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REFERENCE SECTION  
Smt. Harca Mehta Library  
BARODA



45  
Annual  
Report  
1993-94

AN OVERVIEW



The Maharaja Sayajirao University of Baroda

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# Visitor, Officers of the Universtiy & Heads of Institutions

Visitor  
Chancellor  
Vice-Chancellor

Pro-Vice-Chancellor

Registrar  
Librarian

DEANS  
Faculty of Arts  
Faculty of Science  
Faculty of Education & Psychology  
Faculty of Commerce

Faculty of Medicine

Faculty of Technology & Engineering  
Faculty of Law  
Faculty of Fine Arts

Faculty of Home Science

Faculty of Social Work  
Faculty of Performing Arts  
Faculty of Management Studies

Faculty of Journalism & Communication

## PRINCIPALS OF COLLEGES

Baroda Sanskrit Mahavidyalaya  
Polytechnic  
M.K. Amin Arts & Science College &  
College of Commerce, Padra

## HEADS OF RECOGNISED INSTITUTIONS

Director, Oriental Institute  
Director, Centre for Continuing/Adult  
Education and Community Services  
Director, The Baroda Museum and  
Picture Gallery

Dr. Sarup Singh, Governor of Gujarat  
Dr. (Mrs.) Mrunalinidevi Puar  
Prof. V.C. Shah (Upto 3-9-93)  
Dr. Suresh Dalal (From 13-9-93)

Prof. S.D. Sabnis (Upto 17-3-94)  
Prof. (Smt.) Veena R. Mistry (From  
28-3-94)  
Shri D.P. Chhaya  
Shri K.J. Majmudar (In Charge)

Prof. (Mrs.) M.N. Shah  
Prof. L.J. Parekh  
Prof. N.S. Pathak  
Prof. M.D. Mohite (Upto 10-6-93)  
Prof. B.S. Patel (Offg. From 11-6-93  
and Dean from 23-2-94)  
Prof. (Dr.) U. J. Modi (Offg. Upto  
23-7-93)  
Dr. M.N. Hazara (From 24-7-93)  
Prof. Dipakkumar De  
Prof. J. C. Rathod  
Prof. V.S. Patel (upto 18-6-1993)  
Shri P. D. Dhumal (Offg. from  
19-6-93)  
Prof. (Mrs.) Arvinda Chandra (Upto  
14-6-93)  
Dr. Nalini Ogale (From 15-6-93 to  
10-2-94)  
Prof. (Smt.) Veena R. Mistry (From  
11-2-94 to 27-3-94)  
Prof. Anupama shah (Offg. from  
28-3-94)  
Prof. (Mrs.) Varsha Anjaria  
Shri H.J. Parikh (O.S.D.)  
Prof. M.M. Dadi (Offg. Upto 21-12-  
93 and Dean from 22-12-93)  
Dr. Chinu Modi (Co-ordinator Upto  
15-12-93)  
Dr. Nikhil Desai (Co-ordinator from  
16-12-93)

Shri U.H. Shukla  
Shri C.D. Panchal  
Dr. D.S. Shukla (Offg. upto 3-12-93  
and Principal from 4-12-93)

Dr. R.T. Vyas  
Prof. (Ms.) Malathi Chakravarty  
(Upto 21-1-94)  
Shri P.V. Dholakia (I/C Director  
Upto 17-8-93)  
Shri S.K. Bhowmik (From 18-8-93)

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# Institutions of the University

## **FACULTIES**

- Faculty of Arts
- Faculty of Science
- Faculty of Education & Psychology
- Faculty of Commerce
- Faculty of Medicine
- Faculty of Technology & Engineering
- Faculty of Law
- Faculty of Fine Arts
- Faculty of Home Science
- Faculty of Social Work
- Faculty of Performing Arts
- Faculty of Management Studies
- Faculty of Journalism & Communication

## **CONSTITUENT AND RECOGNIZED INSTITUTIONS**

- Polytechnic
- M.K. Amin Arts & Science College & College of Commerce, Padra
- Baroda Sanskrit Mahavidyalaya
- Smt. Surajben Gordhanbhai Patel Commerce & Arts College for Girls
- Oriental Institute
- Centre for Continuing/Adult Education and Community Services
- Museum & Picture Gallery

## **CENTRES AND FACILITIES**

- Hansa Mehta Library & Other Libraries
  - M. S. University Union
  - Halls of Residence
  - University Press
  - Population Research Centre
  - Water Resources Management Institute
  - National Social Science Information Centre
  - Women Studies Research Centre
  - Canadian Studies Research Centre
  - All Indian & Central Services Training Centre
  - Computer Centre
  - Health Centre
  - National Service Scheme
  - National Cadet Corps
  - Physical Education Department
  - University Employment and Information Bureau
  - Prof. Chandravadan Mehta Auditorium
  - University Guest House
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*"The purpose of all education is to fit men to play their parts on the stage of the world with efficiency; and indeed if they have no parts to play, the efficiency with which their education has endowed them is likely to become atrophied. On the Indian stage our young men will be called upon to play parts of a far greater importance than were permitted to their fathers; more and more, as that day which has now dawned grows towards maturity, their parts will be those of leadership, not merely those of insignificance and inferiority. As they realise this, naturally enough a wave of excitement passes through their hearts. But in days of change, of social and political enfranchisement, we especially need in our universities to study to build up in our young men a character which will enable them to cultivate restraint in word and deed. For there can be no rights, no privileges, no genuine freedom, without corresponding duties, obligations and self-restraint."*

*Maharaja Sayajirao Gaekwad*

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# Preface

On behalf of the Syndicate, it is indeed my pleasure and privilege to present the 45th Annual Report of the Maharaja Sayajirao University of Baroda to the Senate. The year 1993-94 has been a year of changes, change in the leadership of the University towards mid 1993 and the election of the newly constituted Syndicate in March 1994.

This year's report reflects the achievements in various fields of Applied and Natural Sciences, Engineering, Social Sciences as well as Fine and Performing Arts. Research activities and endeavours have continued to grow in various departments of the University. As in past, grants have been received from various national and international agencies; the trend of industry-university collaboration continues to grow stronger which indeed augurs well for the University. The constraints related to paucity of funds, congestion and the ever-increasing population of the campus continue to affect the infra-structure and development of the University. Yet, inspite of these constraints, the developmental, academic and administrative activities have been carried out smoothly.

An Annual Report is not merely a statement of facts and figures or enumeration of events that occurred during the year under review; but it is an occasion to reflect upon both our achievements and shortcomings. The winds of change that have emerged in the world and the country today, directly or indirectly, continue to affect the environs and ethos of the University. As we approach 1998, which will be the Golden Jubilee Year of the Maharaja Sayajirao University of Baroda, we need to critically evaluate our functioning and make relevant and realistic future plans, focussing on academic, administrative and social commitments of the University. Towards this end, the academic and administrative wings of the University will have to function in a concerted and co-ordinated manner with a high degree of commitment. With such a commitment, I am sure that the future of the M.S. University will be as bright and illustrious as has been its past.

  
Prof. Veena R. Mistry  
Pro-Vice-Chancellor

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The Annual Convocation 1994: Mr. Pranab Mukherjee as the Chief Guest

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# Highlights of the Year

A UNIVERSITY, said Cardinal John Newman, is a seat of wisdom, a light of the world, a minister of the faith, an Alma Mater of the rising generation. *The Ideal of a University* records his expectations of a good university : "to set forth the right standard, and to train according to it, and to help forward all students towards it according to their various capabilities, this I conceive to be the business of a University." This business was performed by the Maharaja Sayajirao University of Baroda during the year 1993-94 in a manner befitting its glorious tradition of the last four decades. In numerical terms, the University community for the year was formed by 30724 university students and 2147 non-university students, 1253 teaching faculty and 1793 non-teaching staff. However, this statistics in cold print cannot offer a full idea of the composite structure of the community and its intellectual and social commitments unless it is immediately added that being one of the prime institutions of higher learning in the country it attracted students from more than twenty-five countries from all continents of the world. While the set goals of teaching and learning were pursued and the set practices of examination and conferment of degrees were followed, the University community responded to the situation of natural disaster caused by the earthquake in Maharashtra as promptly as it did to the rapidly changing social and economic concerns in the country. Among these, the issues related to women's emancipation seem to have attracted maximum attention during the last year, the testimony of which is the number of seminars, exhibitions and debates woven round feminist themes that were successfully organised on the campus. Economic changes, environmental degradation, technological shifts were among the other concerns that were reflected in research programmes, syllabi structuring and intellectual activity during the year.

It was not only the contemporary context, however, that occupied the attention of the University community. Seminars were organised to assess contemporary history, recent past as well as ancient cultural heritage. As instances of these could be mentioned the History Department seminar on Sayajirao Gaikwad, the Gujarati Department seminar on B.K. Thakore and the Oriental Institute Seminar on the *Ramayana*. The Oriental Institute completed a century of its existence during which it has earned global reputation as a premier institution of Indological studies. On the literary horizon, publications of scholarly works and literary periodicals continued as enthusiastically as before. And, if the sad demise of the great poet and translator A.K. Ramanujan brought the reminder of his association with this University as a faculty member in the sixties, the Sahitya Akademi Award given to Prof. G.N. Devi's literary work brought the reassurance that the present is not without its promise. The English Department organised a seminar on Teaching of English Literature in Western India which was inaugurated by the Visitor, Dr. Sarup Singh.

However, the real growth and progress was seen more in the admirable work done in the Faculties of Science, Home Science and Technology. As the

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relevant chapters in this report indicate, the sheer volume of research projects undertaken and executed in these Faculties and the scholarly publications resulting from them in national and international scientific journals matches the enormous capacity of these Faculties to draw support and funding from national and international sponsors of research at advanced level. They have proved, once again, that all the hinderences created in pursuit of modern science and technology by occasional incidence of student indiscipline, the time lag between obsolescence of facilities and the compulsion for rapid sophistication of equipment and procedure do not deter potential from realising fulfilment.

It is certainly a matter of great pride for any university to have almost a dozen Departments of Special Assistance and another half a dozen of DRS and COSIST programmes. Similarly, the chapter on research in the University will indicate that there is practically no major sponsoring agency in the country which has not provided support to one or the other research scheme in the University. These two indicators together prove that excellence in research and teaching is neither sporadic nor accidental but that it spreads evenly across all Faculties and Departments of the University. Research and academic growth depend on infrastructure support and expansion in facilities. The University continued its work in the direction of building new institutions. Dr. Urmilaben Patel, M.P. inaugurated the New Building for Smt. Surajben Gordhanbhai Commerce and Arts College for Girls. As if academic excellence were infectious, it has not remained without affecting the student population. The number of prestigious awards and scholarships they have won, as practically every chapter covering the Faculties will show, that the future holds for us no terror but a bounty that the University must plan to harvest and reap properly in the interest of nation building.

It is not, however, that the year brought all progress and no problems. The problems have been visiting the institutions with a bothersome frequency and claiming a blood-relationship that cannot be wished away. There is first the severe stringency of funds. Relevant appendices will show that the gap between what the University needs for preservation of its over-stressed infra-structure and further development needed to keep abreast of expanding frontiers of knowledge *and* what the University gets by way of maintenance, development and research support funding is widening without the necessary pause. The State Government's policy of periodic restrictions on making appointments, the U.G.C.'s inability to commit to efficient and adequate disbursements, the procedural delays and staggered liason have met us along the way last year like bad cliches. The saving grace for the over-burdened administrative machinery has been the new self-confidence instilled in the lower rungs through orientation and in-service training programmes.

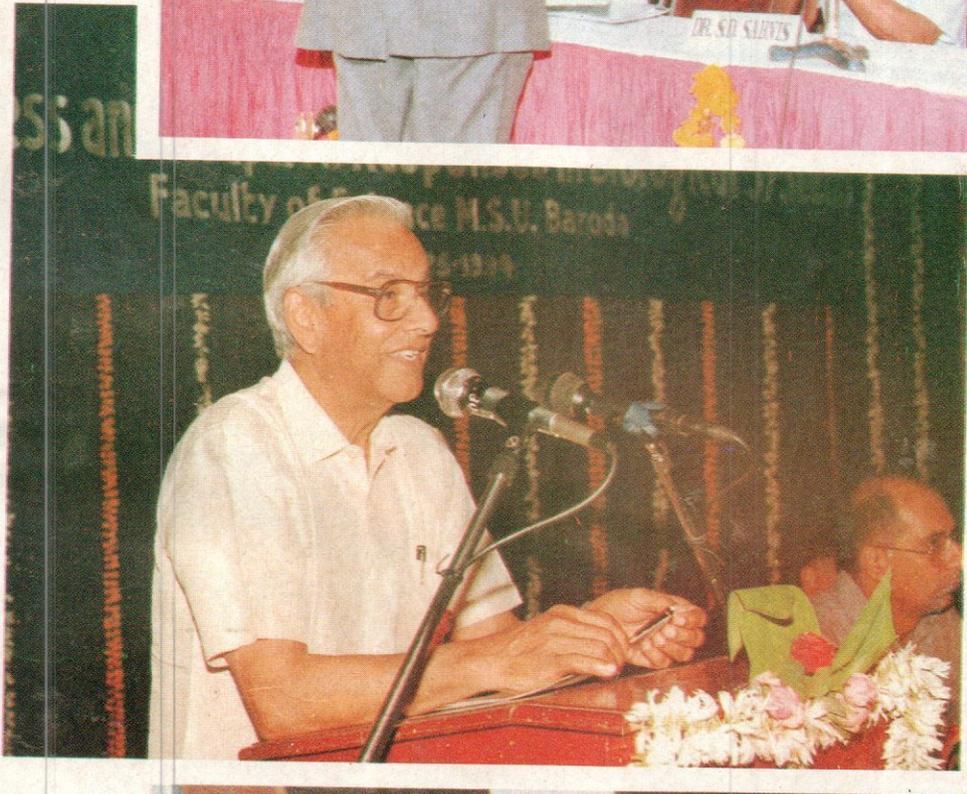
Within the general framework of resources crunch, the University has been able to conduct its major programmes of wider public interest as shown in the long

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list of important events included in the Overview of this Report. Several Departments took up collaborative work with industries in order to make research purposive and of mutual benefit. We were fortunate in getting the very best of speakers for many of the instituted Chairs and lecture series just as it was our good fortune to have Mr. Pranab Mukherjee to deliver the Convocation Address for the annual convocation. Shrimad Vallabhacharya Chair lectures were delivered by Shri Chandragopalji Acharya. The first Professor Lakadawala Memorial Lecture was delivered by Prof. V.M. Dandekar, and the first Dr. B.R. Ambedkar Lecture was delivered by Prof. H.C. Dholakia. Apart from awarding all other degrees, to award 57 Doctorates speaks of no mean crop for the year. Yet, it was not just all work and no fun. The campus was active in terms of dramatic productions, concerts and fashion-shows. the Satur Theatre of Performing Arts, Shakespeare Society in Arts Faculty, student Exhibitions in Fine Arts, the student activities in the Management Faculty, the lab- newspaper, *Itivritt*, of Communication and Journalism and the N.C.C. and the N.S.S. made the M.S. University campus lively during the year. That these cultural activities and other scholarly programmes keep functioning so smoothly in a year which saw changes in the offices of Vice-chancellor and Pro-vice-Chancellor is the ultimate indication of the maturity of our institution and the richness of its heritage.

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Some eminent speakers in Seminars: Dr. Manmohan Singh in Faculty of Management, Prof. P.N. Srivastava in Department of Biochemistry and Dr. M.P. Nayar in Department of Botany

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# Important Events

- **April 8, 1993,\***  
Seminar on "**Teaching of English Language and Literature**" Department of English, Faculty of Arts & British Council, Bombay. Dr. Sarup Singh, Governor of Gujarat, inaugurated the Seminar.
  - **April 12, 1993**  
Goswami Shri Indirabetijee inaugurated the **Shastri Saurabh Exhibition**, Baroda Sanskrit Mahavidyalaya.
  - **April 13, 1993\***  
Workshop on "**Women's Health**", Women Household Information Centre and Women Studies Research Centre, Faculty of Home Science.
  - **April 14, 1993\***  
**Twenty-Third Gujarat Economics Conference**, Department of Economics, Faculty of Arts.
  - **April 17, 1993\***  
Workshop on "**Communalism and Women**", Women Studies Research Centre, Faculty of Home Science.
  - **May 4, 1993**  
**Portrait of Late Prof. C.C. Mehta** was unveiled at the C.C. Mehta Auditorium by Prof. V.C. Shah, Vice-Chancellor, M.S. University.
  - **May 18, 1993**  
Goswami Shri Vrajeshkumar Maharajshri inaugurated **Shrimad Vallabhacharya Chair**, Baroda Sanskrit Mahavidyalaya.
  - **July 6, 1993\***  
Workshop on "**Industrial Mathematics**", Department of Mathematics, Faculty of Science.
  - **July 29, 1993\***  
Seminar on "**The Vishnu Purana and The Markandaya Purana**", Oriental Institute.
  - **August 27, 1993\***  
Seminar on "**An Exploration in the Nature of Education as an Area of Study**", CASE, Faculty of Education & Psychology.
  - **August 28, 1993\***  
Workshop on "**Women in Fisheries**", Women Household Information Centre, Faculty of Home Science.
  - **September 22, 1993**  
Dr. Urmilaben Patel, M.P., inaugurated the new building of **Smt. Surajben Gordhanbhai Patel Commerce and Arts College for Girls**.
  - **September 27, 1993\***  
Seminar on "**Rifting of Western Margin of India**", Department of Geology, Faculty of Science & The Geological Society of India.
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- **October 6, 1993\***  
Commencement of **Shrimad Vallabhacharya Chair Lecture Series** by Shri Chandragopalji Mahodaya, Baroda Sanskrit Mahavidyalaya.
  - **October 20, 1993\***  
**Exhibition** of Paintings, Prints, Drawings and Sculptures by India's leading artists, Faculty of Fine Arts.
  - **December 4, 1993\***  
**Ford Foundation Lectures** on 'Regional Conflicts and Global Order' were delivered by Professor Edward A. Kolodziej of the University of Illinois at Urbana Champaign, Department of Political Sciences, Faculty of Arts.
  - **December 27, 1993\***  
Second Workshop on **Canadian Studies**, Canadian Studies Centre., Faculty of Arts.
  - **December 27, 1993\***  
Workshop on "**Creative Writing : A Creative Approach**", Department of English, Faculty of Arts & U.S.E.F.I., Bombay.
  - **January 3, 1994\***  
Seminar on "**Post-colonial Literatures**", Department of English, Faculty of Arts & Indian Association for Commonwealth Literature and Languages Study.
  - **January 21, 1994**  
**The Forty-Second Annual Convocation** of the University at which Shri Pranab Mukherjee, Union Cabinet Minister, delivered the Convocation Address.
  - **January 22, 1994**  
Professor H.C. Dholakia delivered the Inaugural Lecture the **Dr. B.R. Ambedkar Chair Lectures**. Justice V.H. Bhairavia, Gujarat High Court, was the Chief Guest, Faculty of Law.
  - **January 25, 1994\***  
Seminar on "**Valmiki Ramayana : Higher Criticism**", Oriental Institute.
  - **February 11, 1994**  
Seminar on "**Empowerment of Women for Educational Leadership**", Department of Educational Administration, Faculty of Education & Psychology.
  - **February 25, 1994**  
Seminar on "**Religion and Women**", Department of Education Extension, Faculty of Home Science.
  - **February 26, 1994\***  
Seminar on "**Changing Role of Women in Economic Development : Indo-Canadian Perspectives**", Department of Business Economics, Faculty of Commerce & Canadian Studies Centre.
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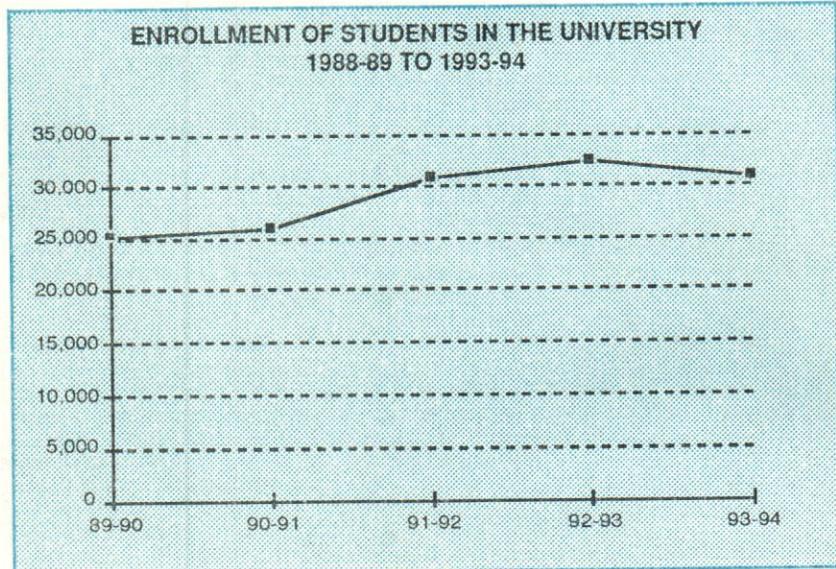
- **February 26, 1994\***  
Photographic Exhibition , Department of Museology, Faculty of Fine Arts & World Wildlife Fund.
- **February 28, 1994\***  
Seminar on "Teacher Education : A Futuristic Perspective", CASE, Faculty of Education & Psychology.
- **March 8, 1994**  
Dr. M.P. Nayar delivered the 1992-93 Prof. A.R. Chavan Memorial Lecture, Department of Botany, Faculty of Science.
- **March 11, 1994\***  
Seminar on "Sayajirao III : The Man and His Times", Department of History, Faculty of Arts.
- **March 18, 1994\***  
Seminar on "Different Schools, Sects, Branches of Sanskrit Shastras", Department of Sanskrit, Pali & Prakrit, Faculty of Arts.
- **March 19, 1994\***  
Seminar on "Prof. B.K. Thakore : His Personality, Poetry and Criticism", Department of Gujarati, Faculty of Arts.
- **March 23, 1994\***  
Symposium on "Stress and Adaptive Responses in Biological Systems", Department of Biochemistry, Faculty of Science & Department of Atomic Energy, Government of India.
- **March 25, 1994\***  
Seminar on "Indian Economy in the Decade of the Eighties", Department of Economics, Faculty of Arts.
- **March 25, 1994\***  
Seminar on "Chemistry of Liquid Crystals and its Applications". Department of Applied Chemistry, Faculty of Technology and Engineering.
- **March 28, 1994\***  
Workshop on "Women and STD/HIV/AIDS", Women Studies Research Centre and Women Household Information Centre, Faculty of Home Science.
- **March 29, 1994**  
Seminar on "Recent Trends in Packaging of Pharmaceutical Industries", Department of Pharmacy, Faculty of Technology & Engineering.
- **March 29, 1994\***  
Seminar on "Families in Transition : Issues and Challenges", Department of Home Management, Faculty of Home Science.
- **March 30, 1994\***  
Seminar on "Dance Criticism", Department of Dance, Faculty of Performing Arts.

(\*Date of Commencement of the event)

# Students in the University

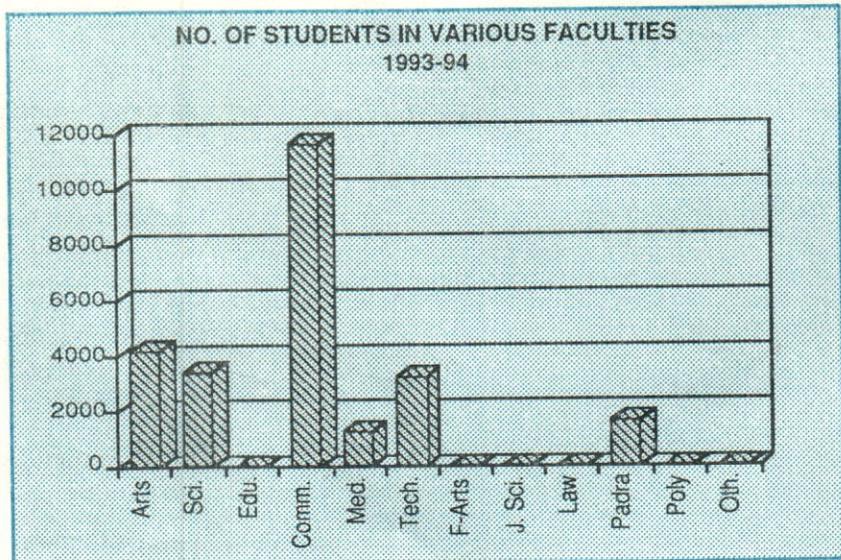
## Student Enrolment Across Last Five Years

The year 1993-94 marked a decline in the student enrolment in the University. The total number of students enrolled in all Faculties including the Faculty of Medicine was 30,724 as against the corresponding figure of 32,498 for the previous year. Due to the reduction of 5.5% in the enrolment, the student population has returned close to its level in 1991-92 with enrolment of 30,904.

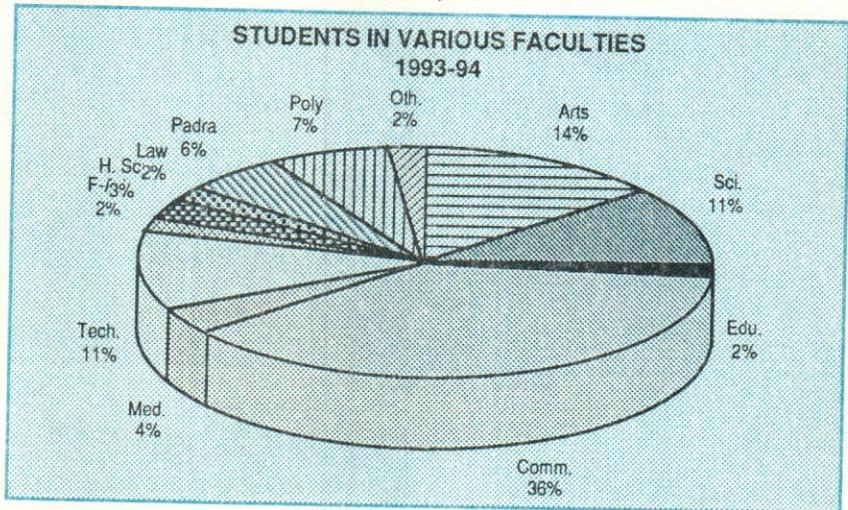


## Students Enrolled in Various Faculties

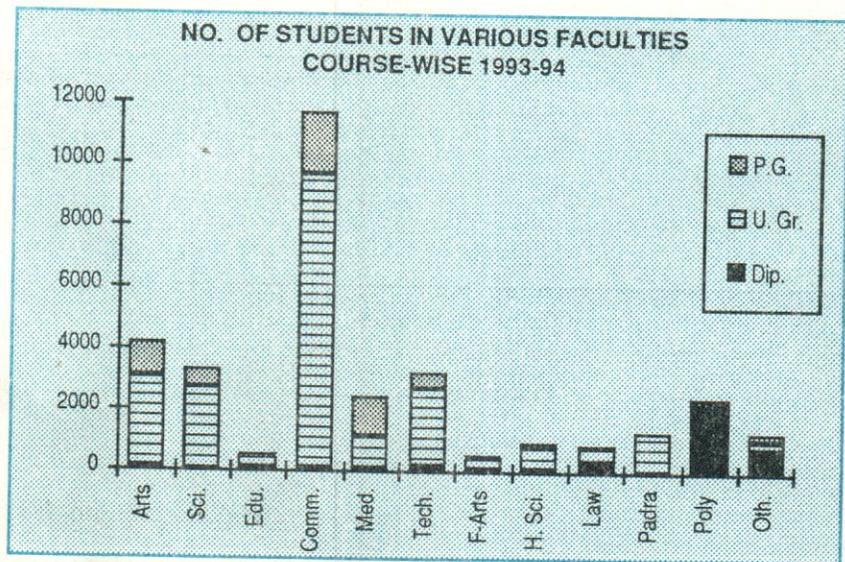
Faculty of Commerce had the highest student population with the figure of enrolment at 11,621 followed by the Faculty of Arts at 4,213. The Faculty of Technology and Engineering enrolled 3291 students, while the Faculty of Science enrolled 3409 inverting the previous year's sequence. Other Faculties and Institutions with substantial enrolment were Polytechnic 2140, M.K. Amin Arts and Science College, Padra 1655. The Faculty of Medicine 1225 and the Faculty of Home Science 906. The Faculty of Law enrolled 761 students while the Faculty of Education enrolled 524 and the Faculty of Fine Arts 520 students. Other Faculties and Institutions enrolled a much smaller number of students.



The Faculty of Commerce enrolled 38% of the entire student population of the University. The Faculty of Arts, Faculty of Science and Faculty of Technology and Engineering enrolled 14%, 11% and 11% students, respectively. All other Faculties and Institutions put together enrolled the remaining 26% students.

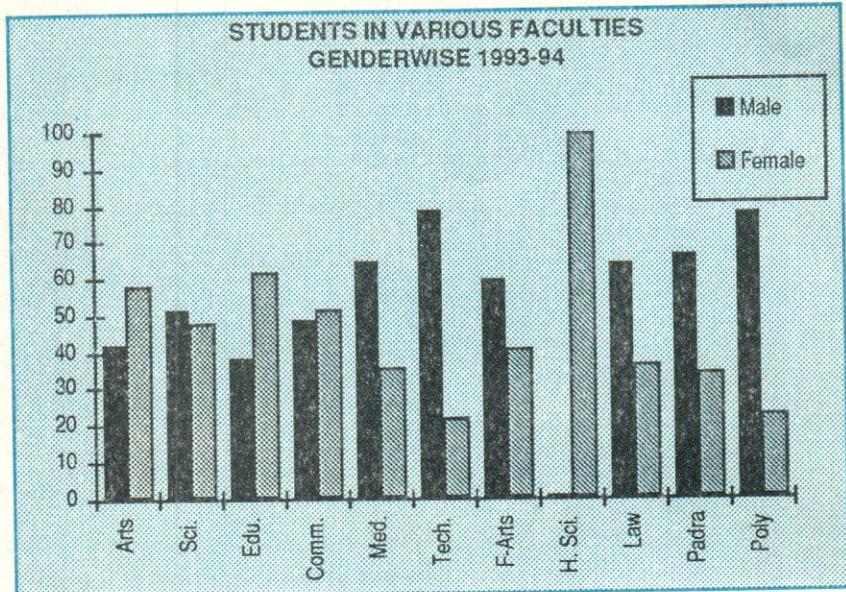


During the year 1993-94, a total of 5079 students studied post-graduate degree courses, 21722 studied under-graduate courses and 3943 students pursued various diplomas. The Polytechnic had the maximum number of diploma students i.e. 2140. The Faculty of Commerce had the maximum number of undergraduate students, i.e. 9652. The minimum number of students were in the Faculty of Journalism and communication, i.e. 15.



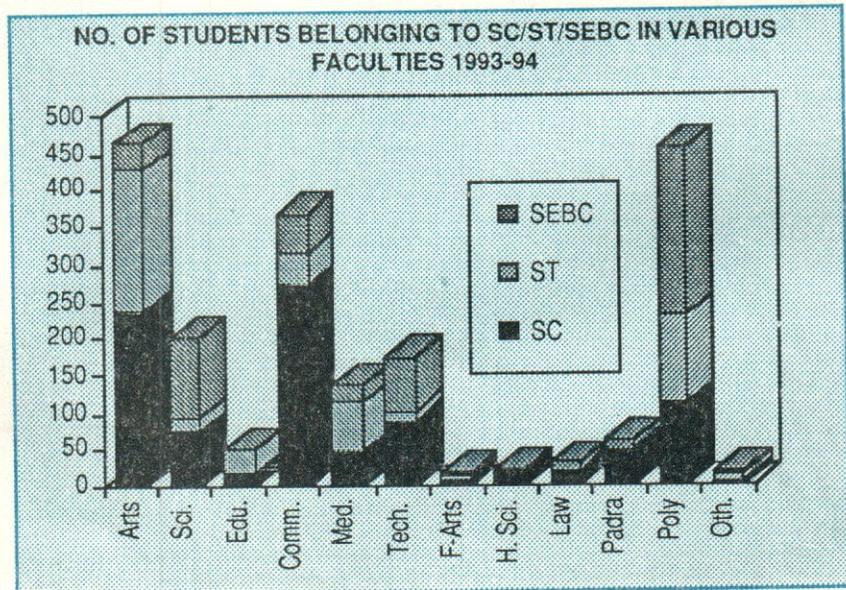
### Women Students in the University

Out of a total of 30724 students, 13896 were women and 16828 were men. In the Faculty of Commerce women (6004) outnumbered men (5617) by 387. That was the situation in the Faculty of Arts too which had 2433 women students and 1780 men students. The Faculty of Home Science had 99.6% women students, only 6 out of its total student population of 906 being men. In the Faculty of Education and Psychology the women-men ration was 8 : 5 and that in the Faculty of Performing Arts 4 : 3. In all other Faculties the enrolment of men students was higher than that of women students, even if marginally so in some cases.



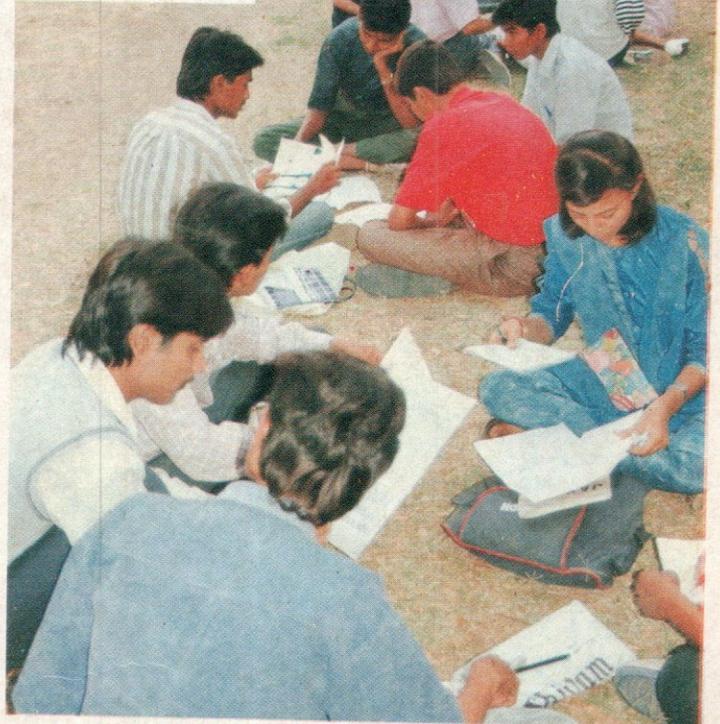
#### Student Enrolment in Reserved Categories

Student enrolment in reserved categories stood at a total of 2033. Out of which 1409 were men and 624 women. The total number of Scheduled Caste students was 948, of Scheduled and Denotified Tribes students was 519 and of Socially and Educationally Backward Communities 566.



#### Overseas Students in the University

There were 153 students belonging to nationalities other than Indian. Overseas students who enrolled in the M.S. University during the year 1993-94 were drawn mostly from African countries. The few students drawn from U.K. and U.S.A. studied in the Faculty of Fine Arts and the Faculty of Technology and Engineering.



Social involvement: Participants in N.S.S. activity and performing artists

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# Accolades & Honours Received by Students

The following students received academic and related honours and awards in different fields

In pursuit of academic excellence 94 students, 43 girls & 51 boys, of the University received Gold Medals, Prizes & Mahavastra in disciplines across the University.

- **Babu Rao**  
IInd in Indian Drawing Biennale, Chandigarh,
- **Veera Raghavan**  
Intake Takeoff Grant
- **Sunil Darji**  
State Award, Gujarat
- **Jayati Mukherjee**  
Nehru Research Small Scale Grant
- **Haimanti Dasgupta & Kalpana Prakash**  
The Alumni of Baroda University USA Scholarship
- **Amarnath M.S.**  
The Alumni of Baroda University USA Scholarship
- **Dibyendu H. Deb**  
The Alumni of Baroda University USA Scholarship
- **Kashyap J. Parikh**  
The Alumni of Baroda University USA Scholarship
- **Mrinal M. Kulkani**  
The Alumni of Baroda University USA Scholarship

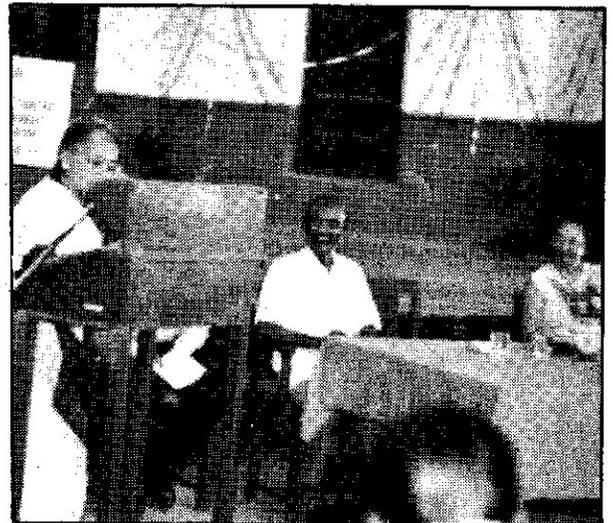
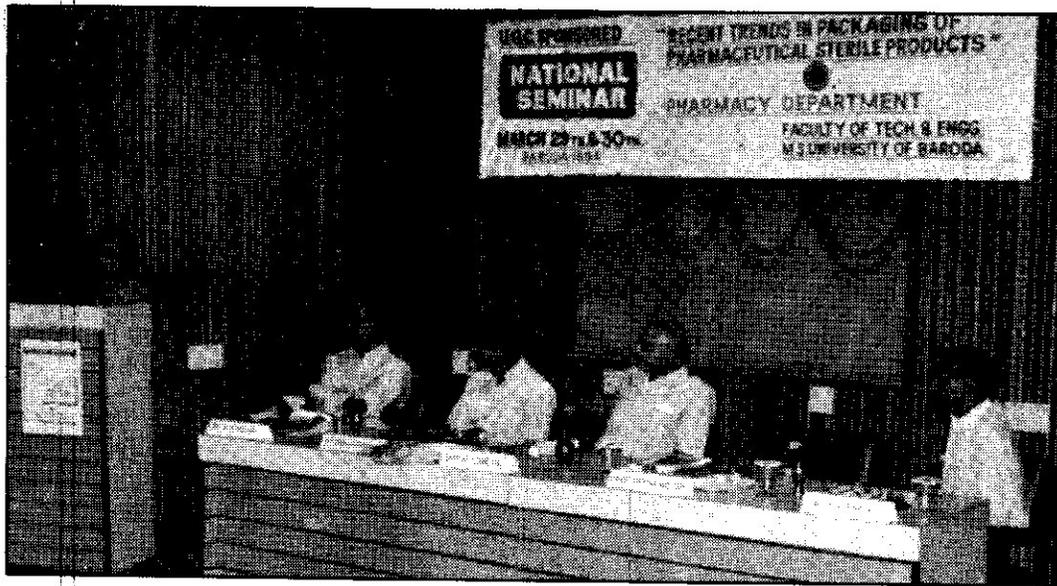
As a part of the National Cadet Corps the following students have received accolades

- **Harshpal Singh Jadeja**  
Chief Minister Scholarship
- **Arvinderjit Dadhwal**  
Chief Minister Scholarship
- **Rajeshkumar Sharma**  
Chief Minister Scholarship
- **Bipin Paswan**  
Chief Minister Scholarship
- **Janice Belsher**  
Indo-Canada youth Exchange Programme
- **Ashima Jain**  
Indo-Canada youth Exchange Programme
- **Sangeeta Rozaria**  
Indo-Canada youth Exchange Programme
- **Manasi Shah**  
Indo-U. K. youth Exchange Programme

In the realm of Sports and Athletics the following students have received honours

- **Jitendra Morwani**  
Ist in Shot put, Gujarat State Championship  
IInd in Discus throw, Gujarat State Championship
  - **Chirangi Desai**  
Ist in Discus throw, Gujarat State Championship
  - **Nirupama Singh**  
IInd in Discus throw, Gujarat State Championship
-

- 
- **Pravina Chauhan**  
1st in 800 mtrs. Running, Gujarat State Championship  
11nd in High Jump, Gujarat State Championship
  - **Williams Connor**  
Best All Round Cricketer - Ranji Centenary Award
  - **Nimish A Mankadia**  
Played Vizzy Trophy - West Zone
  - **Himanshu R. Jadhav**  
Played Vizzy Trophy - West Zone
  - **Ashish R. Tondon**  
Played Vizzy Trophy - West Zone  
Gold Medal for Aero-Modelling at All India Vayu Sena Camp
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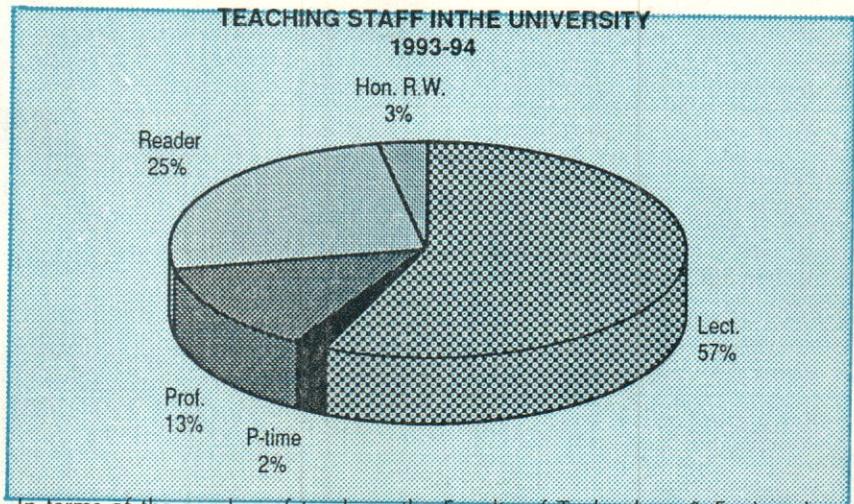


Moments In Seminars, serene and light

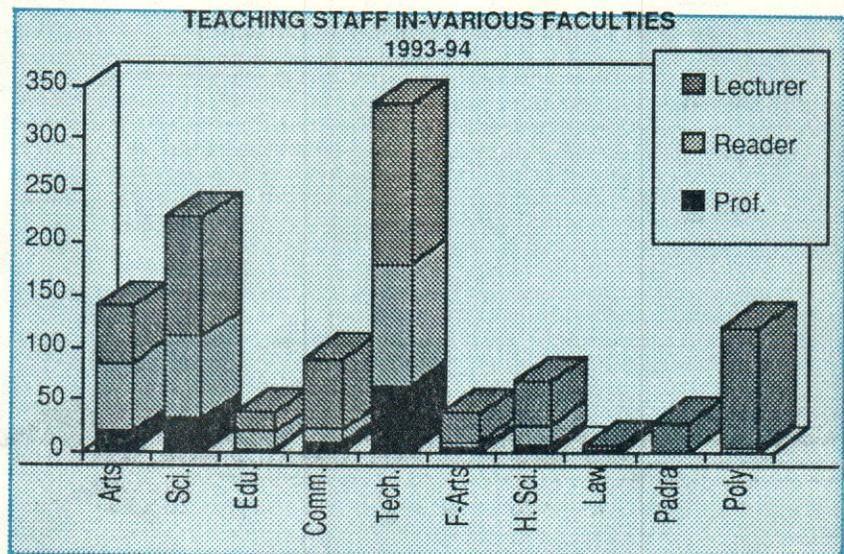
# Staff in the University

## Teaching Staff in the University

The total number of permanent teaching staff in the University during the year 1993-94 was 1235. The cadre-wise distribution of the staff was as follows : Professors 158 (13% ) Readers 331 (26%) Lecturers 697 (56%) Honorary & Research Staff 36 (3%) Part-time 31 (2%). (These figures do not include temporary lecturers and teaching assistants.



In terms of the number of teachers, the Faculty of Technology & Engineering was at the top of the scale of employment of staff. It had a total of 360 teachers on its faculty, 65 Professors, 117 Readers, 152 Lecturers and 26 honorary and research staff. The Faculty of Journalism & Communication had only one Lecturer on its staff. Between these two came, in the descending order, the Faculties of Science, Arts, Polytechnic, Commerce, Home-Science, Performing Arts, Fine Arts, Education & Psychology, Padra College, Law and the Sanskrit Mahavidyalaya.

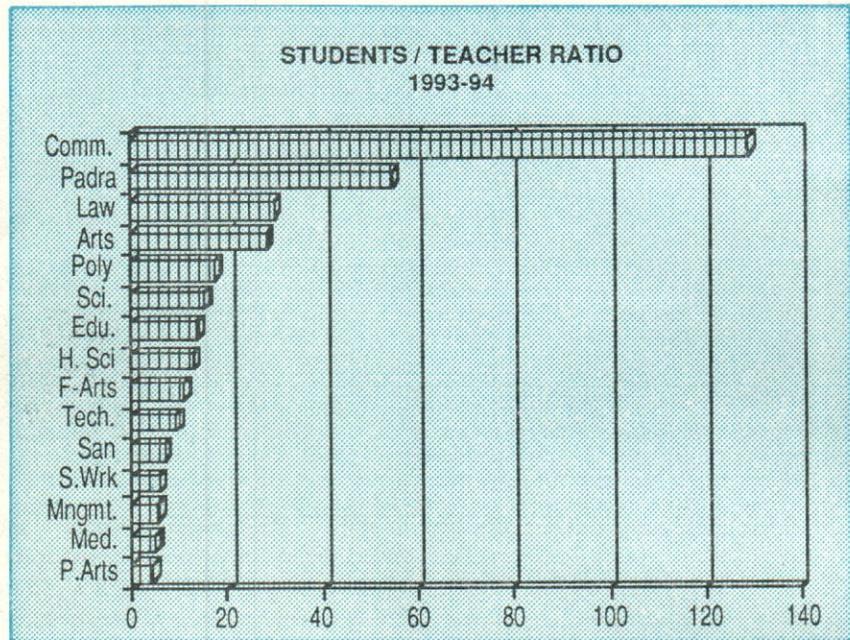


### Teacher Student Ratio :

The teacher student ratio during the year was 1 : 25. There is no significant variation in the ratio in comparison with the previous year. The Faculty of Arts

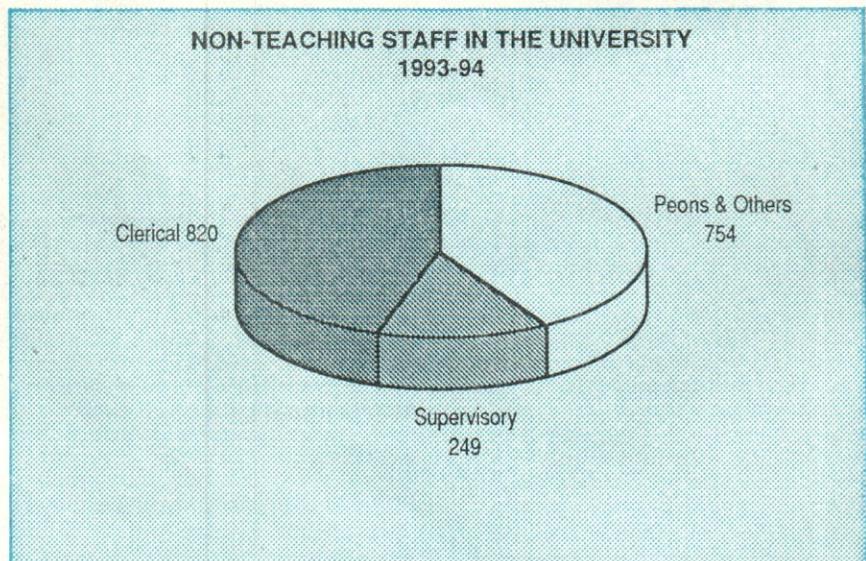
(28.28)\*, Faculty of Law (30.04)\*, the Padra college (55.17)\* and the Faculty of Commerce (129.12)\* exceeded the general ratio in the University. All other Faculties and Institution had a ratio which was favourably inclined towards the figure of teachers.

(Note :\* The figure represents students per teacher)



### Non-Teaching Staff in the University

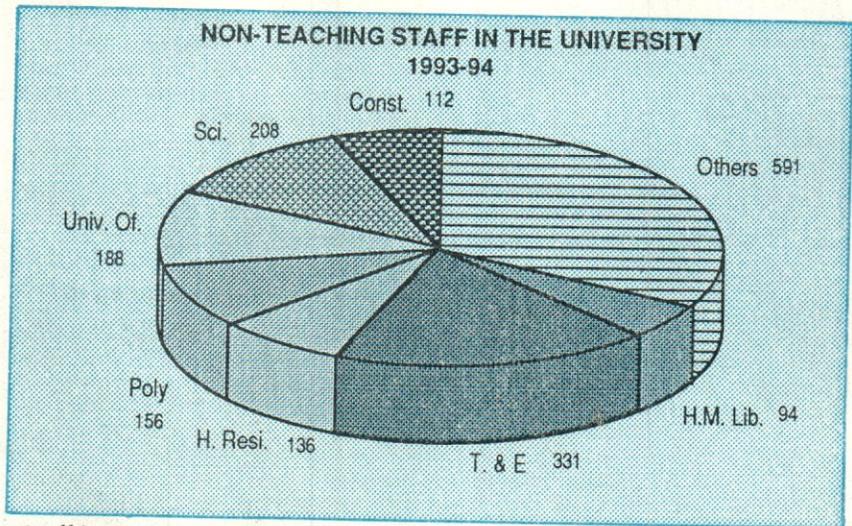
The non-teaching staff in the University had 1816 employees during the year. This figure includes 249 staff members in supervisory categories comprising Head clerks and all other designations of corresponding cadre and above upto the post of Registrar. In the clerical category there were 813 employees. In this category all designations of clerks, storekeepers, draftsmen and other corresponding cadres are included. The total number of employees in the category of peons and other Class - IV staff was 754.



The distribution of non-teaching staff in percentage was as follows :

- Supervisory Posts : 13.6%
- Clerical Posts : 44.9%
- Peons and others : 41.5%

The Faculty of Technology & Engineering employed the highest number of non-teaching staff : 54 in supervisory cadres, 184 in clerical cadres and 95 in class IV cadres. The Faculty of Science had a total of 208 non-teaching staff : 7 in supervisory cadres, 118 in clerical cadres and 83 in class IV cadres. At the University office there were 188 members of staff : 44 in supervisory cadres, 99 in clerical cadres and 45 in class IV cadres.



#### Staff in Reserved Categories

A total of 565 members of the University staff, both teaching and non-teaching, were from disadvantaged sections of the society. The statistics of these are as follows: Scheduled Castes—281, Scheduled and Denotified Tribes—80, Socially and Educationally Backward Communities—200 and physically Handicapped- 4

#### University Bids Fatrewell

During the year 1993-94, 18 members of the teaching faculty and 23 members of the non-teaching staff retired from the University service.

#### Demise

During the year, the following four members of the University staff expired :

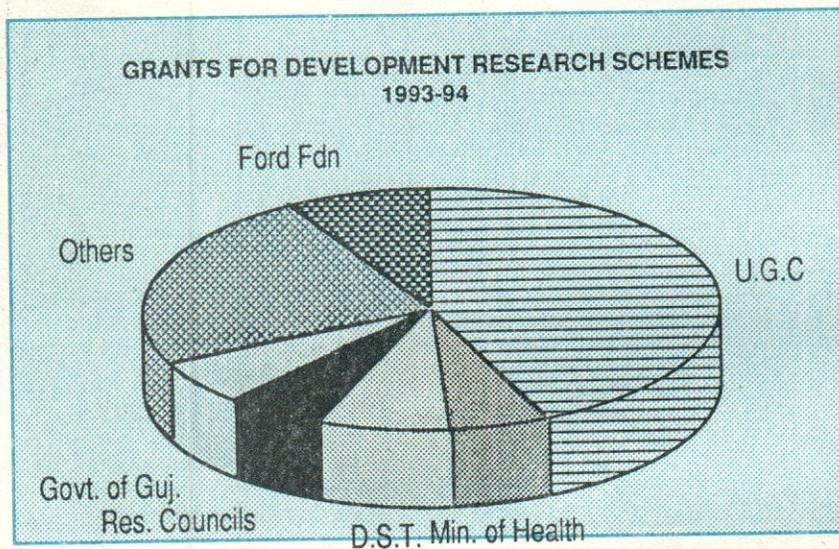
No.	Name	Designation	Institution
1.	Jadhav S.B.	Moulding Helper	Tech. & Engg.
2.	Panavkar K.T.	Lab. Attendent	Science
3.	Pathan G.S.	Nagma & Lehra Player	Performing Arts
4.	Rawal J.R.	Lab. Attendent	Science

# Research and Academic Activities in the University

Members of the teaching staff have continued to pursue academic activities during the year 1993-94. They have carried out research in their respective fields and published the results in appropriate forums. The research activity during the year was spread evenly in the fields of pure research, applied research and inter-disciplinary research.

## Academic Activities

Various Boards of Studies and Faculty Boards devoted themselves to up-dating the syllabi and increasing optional courses. Members of the teaching staff continued to guide Ph.D. and M.Phil. degree research. A large number of teachers participated in international and national conferences and seminars. A number of Departments organised scholarly meetings on the campus of the M.S. University. To facilitate pursuit of academic enhancement, sabbatical leave was granted to four teachers and study leave was granted to two teachers. Leave and funding support were made available to nine teachers for participation in international conferences; and twenty-seven teachers were given facilities to enable them to attend national level conferences and seminars.



## Research Activities

Funding for carrying out research was received from national and international funding bodies. The U.G.C. contributed Rs. 1,15,16,357 for enhancing the intra-structure facilities. The Government of Gujarat made grants of Rs. 10,24,000 for research support. Other agencies that gave funding support for research were the C.S.I.R., I.C.A.R., I.C.S.S.R, W.C.R.T. I.C.M.R. D.S.T. D.N.C. E.S. and D.I.D.R.C. The Ford Foundation Sponsored research by giving grants of Rs. 25,51,153. The allocation of research funding by various bodies in terms of percentage is indicated in the graph above.

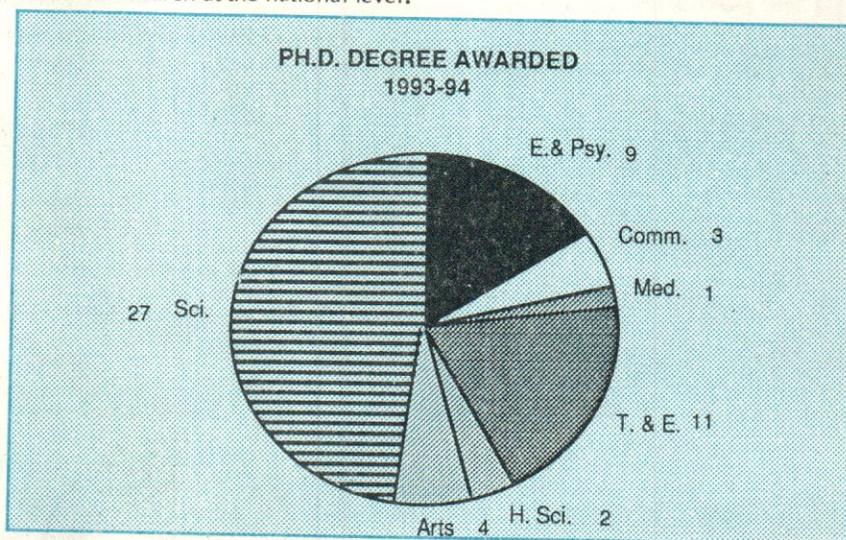
During the year a total of 57 doctorates were awarded and 161 candidates were registered for doctoral programme in various Faculties. 4 Ph.D. degrees were awarded in the Faculty of Arts and 32 Ph.D. candidates were registered. 27 Ph.D. degrees were awarded in the Faculty of Science and 57 Ph.D. candidates were registered. The Faculty of Commerce had 3 Ph.D.s and 7 registrations. The Faculty of Medicine had one Ph.D. In the Faculty of Technology & Engineering 11 scholars obtained Ph.D. degrees and 8 new candidates registered for Ph.D. In the Faculty of Home Science, 2 scholars obtained Ph.D. degrees and 3 candidates registered for Ph.D. The Faculty of Medicine had one scholar awarded Ph.D. degree during the year.

A total of 13 candidates for the Master of Philosophy (M.Phil) completed their dissertations which were accepted by the University for the award of the M.Phil. degree. Of these 7 were from the Faculty of Arts, 5 from the Faculty of Home Science and 1 from the Faculty of Education and Psychology.

The total number of candidates registered for doctoral degrees stood at 760 during the year 1993-94 as against the corresponding number of 656 during 1992-93.

There is a comparable rise in the number of scholars pursuing the M.Phil. programme. the total number of candidates registered for M.Phil. was 29 in 1993-94.

A Survey of the research Projects, publications and Ph.D. topics reveals that research in the University was evenly distributed in the areas of basic research, applied research and inter-disciplinary research. This picture reflects the current trends in research at the national level.



### Publications

There has been some increase in publications by the teachers of the University. It is heartening to note that teaching staff have published nearly 59 books and monographs and 384 papers in national and international journals.

Different departments, and institutions of the University publish journals every year. During the 1993-94 year the Journals published were: *The M.S. University Journals; Social Science and Technology Number*, *The Journal of Animal Morphology and Physiology*, *PAVO* and *Baroda Reporter*. The Oriental Institute completed its Centenary this year and continued its research as well as publications and reprinting activities. Two Quarterly Journals Namely; *Swadhyay* in Gujarati and *Journal of Oriental Institute* in English were published during the year.

# University Accounts at a Glance

1-4-1993  
to  
31-3-1994

RECEIPTS	
Rs.	Ps.
20,86,06,693.70	
1,62,61,354.15	
<u>22,48,68,047.35</u>	

2,85,50,790.56	
31,09,065.00	
<u>3,16,59,855.56</u>	
5,54,396.29	
<u>3,22,14,251.85</u>	

49,97,877.23	
1,71,07,840.27	
<u>2,21,05,717.50</u>	
--	
<u>2,21,05,717.50</u>	
4,24,03,709.49	
--	
<u>4,24,03,709.49</u>	
<u>32,15,91,726.69</u>	

A I. Revenue Account  
B Deficit in R. a/cs.

II. Grants Accounts  
Recurring  
Non-Recurring

C  
D Excess Disbursements in G. a/cs

III. Other Funds

Endowment Funds  
Silver Jubilee Funds

E  
Bal. in S.B. a/cs. & New  
Investment

F IV. Employees Provident Fund a/c.  
Balance to State Govt. Treas.ury  
& others

Grand Total (I, II, III & IV)

DISBURSEMENTS	
Rs.	Ps.
22,48,68,047.85	
-	
<u>22,48,68,047.85</u>	

2,86,38,580.36	
35,75,671.49	
<u>3,22,14,251.85</u>	

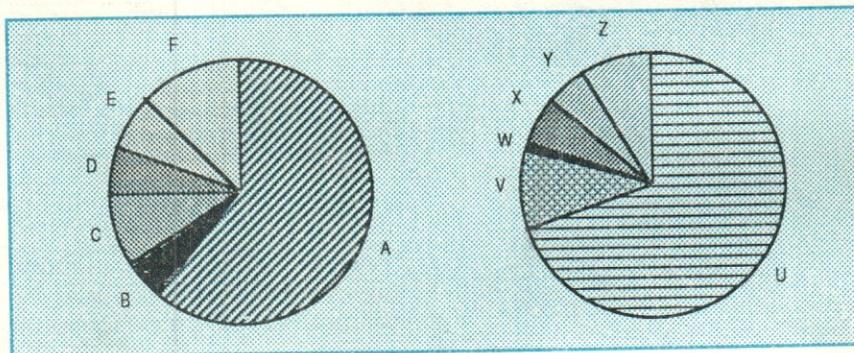
-	
<u>3,22,14,251.85</u>	

15,08,581.29	
7,18,131.82	
<u>22,26,713.11</u>	

1,98,79,004.39	
2,21,05,717.50	
<u>4,20,84,721.89</u>	

1,52,06,266.00	
2,71,97,443.49	
<u>4,24,03,709.49</u>	

<u>32,15,91,726.69</u>	
------------------------	--



A = 64.87%;  
B = 05.06%  
C = 09.84%  
D = 0.17%  
E = 06.87%  
F = 13.19%

U = 69.92%;  
V = 10.02%  
W = 0.69%  
X = 06.18%  
Y = 04.73%  
Z = 08.46%



**Creativity : Student artists and the laboratory nursery in Chetan Balwadi**

# New Endowment Funds

- Rs. 25,000/- Mohanlal Mehta 'Solan' *Gold Medal*  
Faculty of Journalism & Communication  
SR. No. 51 Dt. 11-6-93
- Rs. 25,000/- Anahant Trust Memorial *Gold Medal* , in B.E.  
Mechanical, Faculty of Tech. & Engg.  
SR. No. 50 Dt. 11-6-93
- Rs. 25,000/- Shri M.K. Amin Memorial *Gold Medal* Padra  
College, SR. No. 30 Dt. 17-7-93
- Rs. 31,000/- Shri Kulinchandra Sarabhai Majmudar  
*Gold Medal, & Cash Prize*, Faculty of Law  
SR. No. 56 Dt. 28-8-93
- Rs. 31,000/- Brig Ashok C. Vora *Gold Medal & Prize Fund for  
Best* for Armi wing N.C.C. in the University.  
SR. No. 31 Dt. 28-8-93
- Rs. 53,240/- Prof. M.B. Buch Lecture Sries in the Department  
of Educational Administration Faculty of  
Edu. & Psy.  
SR. No. 3 Dt. 27-1-94
- Rs. 25,000/- Shri Vivek Sinde Memorial *Gold Medal* Faculty  
of Performing Arts.  
SR. No. 4 Dt. 27-1-94
- Rs. 25,000/- Chetandas Jethemand Karamchandani *Gold  
Medal* , Faculty of Tech. & Engg.  
SR. No. 29 Dt. 21-2-94
- Rs. 25,000/- Prof. K.T.M. Hegde *Gold Medal* Faculty of Arts.  
SR. No. 3 Dt. 21-2-94
- Rs. 6,000/- Chetandas Jethanand Karamchandani Cash Prize  
for DME. in Polytechnic  
SR. No. 6 Dt. 31-2-94
- Rs. 6,000/- Prof. S.B. Pandya Price for B.E. IVth Chemical  
Engg. Project  
SR. No. 7 Dt. 31-3-94



The Maharaja Sayajirao University of Baroda  
45th Annual Report 1993-94

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DETAILS

## MEMBERS OF THE ANNUAL REPORT COMMITTEE

Dr. Suresh Dalal, Vice-Chancellor - Chairman

Prof. (Smt.) Veena R. Mistry, Pro-Vice-Chancellor

Shri D.P. Chhaya, Registrar

Prof. G.N. Devi, Faculty of Arts - Convener

Prof. M. Sreehari, Faculty of Science

Prof. V.S. Patel, Faculty of Fine Arts

Prof. P.M. Ambadkar, Faculty of Science

Prof. (Smt.) Sneha Joshi, Faculty of Edu. & Psy.

Prof. (Smt.) R.V. Vanikar, Faculty of Arts

Prof. Anil Bhatt, Faculty of Commerce

Prof. J.C. Rathod, Faculty of Law

Prof. (Smt.) Anupama Shah, Faculty of Home Science

Prof. (Smt.) Varsha Anjaria, Faculty of Social Work

Shri N.M. Bhatt, Faculty of Tech. & Engg.

Dr. Nikhil Desai, Faculty of Science

Dr. Farook Salat, Faculty of Arts

Shri S. Sunderrajan, Faculty of Management Studies

Shri N.N. Ghanekar, Faculty of Performing Arts

Dr. (Smt.) Pratima Desai, Development Officer - Secretary

विद्या नाम नरस्य रूपमधिकं प्रच्छन्नगुप्तं धनं विद्या भोगकरी यशःसुखकरी विद्या गुरूणां गुरुः ॥  
विद्या बन्धुजनो विदेशगमने विद्या परं दैवतं विद्या राजसु पूजिता न तु धनं विद्याविहीनः पशुः ॥

Learning is the highest mark of man's beauty, a concealed treasure which brings enjoyment, honour and happiness, an object of reverence even by the most revered, a true friend while journeying in strange lands, the highest deity. Learning is honoured by kings, but not wealth; one without learning is like a beast.

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# ANNUAL REPORT 1993-94



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

# Visitor, Officers of the University and Heads of Institutions

1.4.1993 to 31.3.1994

Visitor	Dr. Sarup Singh, Governor of Gujarat
Chancellor	Dr. (Mrs.) Mrunalinidevi Puar
Vice-Chancellor	Prof. V.C. Shah (Upto 3-9-93)
	Dr. Suresh Dalal (From 13-9-93)
Pro-Vice-Chancellor	Prof. S.D. Sabnis (Upto 17-3-94)
	Prof. (Smt.) Veena R. Mistry (From 28-3-94)
Registrar	Shri D.P. Chhaya
Librarian	Shri K.J. Majmudar (In Charge)
<b>DEANS</b>	
Faculty of Arts	Prof. (Mrs.) M.N. Shah
Faculty of Science	Prof. L.J. Parekh
Faculty of Education & Psychology	Prof. N.S. Pathak
Faculty of Commerce	Prof. M.D. Mohite (Upto 10-6-93)
	Prof. B.S. Patel (Offg. From 11-6-93 and Dean from 23-2-94)
Faculty of Medicine	Prof. (Dr.) U.J. Modi (Offg. Upto 23-7-93)
	Dr. M.N. Hazara (From 24-7-93)
Faculty of Technology & Engineering	Prof. Dipakkumar De
Faculty of Law	Prof. J. C. Rathod
Faculty of Fine Arts	Prof. V.S. Patel (upto 18-6-1993)
	Shri P.D. Dhumal (Offg. from 19-6-93)
Faculty of Home Science	Prof. (Mrs.) Arvinda Chandra (Upto 14-6-93)
	Dr. Nalini Ogale (From 15-6-93 to 10-2-94)
	Prof. (Smt.) Veena R. Mistry (From 11-2-94 to 27-3-94)
	Prof. Anupama shah (Offg. from 28-3-94)
Faculty of Social Work	Prof. (Mrs.) Varsha Anjaria
Faculty of Performing Arts	Shri H.J. Parikh (O.S.D.)
Faculty of Management Studies	Prof. M.M. Dadi (Offg. Upto 21-12-93 and Dean from 22-12-93)
Faculty of Journalism & Communication	Dr. Chinu Modi ( Co-ordinator Upto 15-12-93)
	Dr. Nikhil Desai ( Co-ordinator from 16-12-93)
<b>PRINCIPALS OF COLLEGES</b>	
Baroda Sanskrit Mahavidyalaya	Shri U.H. Shukla
Polytechnic	Shri C.D. Panchal
M.K. Amin Arts & Science College & College of Commerce, Padra	Dr. D.S. Shukla ( Offg. Upto 3-12-93 and Principal from 4-12-93)
<b>HEADS OF RECOGNISED INSTITUTIONS</b>	
Director, Oriental Institute	Dr. R.T. Vyas
Director, Centre for Continuing/Adult Education and Community Services	Prof. (Ms.) Malathi Chakravarty (Upto 21-1-94)
Director, The Baroda Museum and Picture Gallery	Shri P.V. Dholakia (I/C Director Upto 17-8-93) Shri S.K. Bhowmik (From 18-8-93)

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*“ The purpose of all education is to fit men to play their parts on the stage of the world with efficiency; and indeed if they have no parts to play, the efficiency with which their education has endowed them is likely to become atrophied. On the Indian stage our young men will be called upon to play parts of a far greater importance than were permitted to their fathers; more and more, as that day which has now dawned grows towards maturity, their parts will be those of leadership, not merely those of insignificance and inferiority. As they realise this, naturally enough a wave of excitement passes through their hearts. But in days of change, of social and political enfranchisement, we especially need in our universities to study to build up in our young men a character which will enable them to cultivate restraint in word and deed. For there can be no rights, no privileges, no genuine freedom, without corresponding duties, obligations and self-restraint. ”*

**Maharaja Sayajirao Gaikwad**

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## P R E F A C E

**ON** behalf of the Syndicate, it is indeed my pleasure and privilege to present the 45th Annual Report of the Maharaja Sayajirao University of Baroda to the Senate. The year 1993-94 has been a year of changes, change in the leadership of the University towards mid 1993 and the election of the newly constituted Syndicate in March 1994.

This year's report reflects the achievements in various fields of Applied and Natural Sciences, Engineering, Social Sciences as well as Fine and Performing Arts. Research activities and endeavours have continued to grow in various departments of the University. As in past, grants have been received from various national and international agencies; the trend of industry-university collaboration continues to grow stronger which indeed augurs well for the University. The constraints related to paucity of funds, congestion and the ever-increasing population of the campus continue to affect the infra-structure and development of the University. Yet, inspite of these constraints, the developmental, academic and administrative activities have been carried out smoothly.

An Annual Report is not merely a statement of facts and figures or enumeration of events that occurred during the year under review; but it is an occasion to reflect upon both our achievements and short-comings. The winds of change that have emerged in the world and the country today, directly or indirectly, continue to affect the environs and ethos of the University. As we approach 1998, which will be the Golden Jubilee Year of the Maharaja Sayajirao University of Baroda, we need to critically evaluate our functioning and make relevant and realistic future plans, focussing on academic, administrative and social commitments of the University. Towards this end, the academic and administrative wings of the University will have to function in a concerted and co-ordinate manner with a high degree of commitment. With such a commitment, I am sure that the future of the M.S. University will be as bright and illustrious as has been its past.

  
Prof. Veena R. Mistry  
Pro-Vice-Chancellor

---

# The Syndicate and The Senate

## SYNDICATE

During the year 1993-94, following was the composition of the Syndicate :

### Ex-Officio Members

1. Vice-Chancellor  
Prof. V.C. Shah (Upto 3.9.93)  
Prof. Suresh Dalal (From 13.9.93)
2. Pro-Vice-Chancellor  
Prof. S. D. Sabnis (Upto 17.3.94)  
Prof. (Mrs.) Veena Mistry (From 28.3.94)
3. Commissioner of Higher Education
4. Director of Technical Education
5. Commissioner of Health, Medical Services and Medical Education

### Two Deans Elected by the Senate

6. Prof. L.J. Parekh
7. Prof. Dipakkumar De (Upto 3.3.94)  
Prof. M.M. Dadi (From 4.3.94)

### One Professor Nominated by the Vice-Chancellor

8. Dr. N. M. Vashi (Upto 3-3-94)

### One Principal Elected by the Senate

9. Shri C. D. Panchal

**Six persons elected by the Senate from amongst its members who are neither teachers nor employees nor students of the University**

10. Shri Nilesh J. Shukla
11. Shri Cassim M. Unia
12. Shri H. S. Bochare
13. Shri J. B. Rajput (Upto 3-3-94)
14. Shri N. D. Chokshi (Upto 3-3-94)

15. Shri M. C. Pathak (Upto 3-3-94)  
From 4-3-94  
Dr. Prakash M. Shah  
Shri Mahesh M. Amin  
Dr. Narendra Parmar

### One Head of Department elected by all Heads of Departments

16. Prof. (Smt.) Veena R. Mistry (Upto 3-3-94)  
Dr. G.N. Shukla (From 4-3-94)

### Five Teachers of the University elected by the Senate

17. Prof. D. S. Pathak
18. Shri J. R. Shah
19. Dr. I. D. Bhatt
20. Dr. (Miss) Jayashree P. Mehta
21. Dr. R. J. Shah

### Four persons nominated by the State Government

22. Shri R. H. Patel
23. Shri Suren Chokshi (Upto 3-3-94)
24. Prof. S. K. Shah (Upto 3-3-94)
25. Shri D. K. Patel (Upto 3-3-94)  
From 22-3-94  
Smt. Aruna Chokshi  
Prof. K.C. Mehta  
Shri Manubhai M. Patel

During the year 18 meetings of the Syndicate (11 Ordinary+ 7 Special) were held in which 475 items were considered and resolved.

## SENATE

During the year 1993-94, following was the composition of the Senate :

### Ex-Officio Members

1. Chancellor :  
Dr. (Smt.) Mrunalinidevi Puar
2. Vice-Chancellor :  
Prof. V. C. Shah (Upto 3-9-93)  
Prof. Suresh Dalal (From 13-9-93)
3. The last Ex-Vice-Chancellor of the University residing in the State :  
Prof. M. N. Desai (Upto 3-9-93)  
Prof. V.C. Shah (From 4-9-93)
4. Pro-Vice-Chancellor :  
Prof. S. D. Sabnis (Upto 17-3-94)  
Prof. (Smt.) Veena Mistry (From 28-3-94)
5. Registrar : Shri D. P. Chhaya
6. Librarian : Vacant
7. Commissioner of Higher Education : Shri A. K. Joti
8. Director of Technical Education : Prof. N. R. Dave
9. Commissioner of Health, Medical Services and Medical Education : Dr. T. C. Rangadurai (Upto 22-9-93)  
Smt. Sudha Ancharia (From 23-9-93)
10. Chairman of the Gujarat Secondary Education Board : Shri A. I. Vahora
11. Director of Employment and Training : Shri R. K. Tripathy (Upto 10-1-94)

### Deans of the Faculties

12. Arts : Prof. (Mrs.) M. N. Shah
13. Science : Prof. L. J. Parekh
14. Education & Psychology : Prof. N. S. Pathak
15. Commerce : Prof. M.D. Mohite (Upto 10-6-93)  
Prof. B.S. Patel (From 23-2-94)
16. Medicine : Dr. M.N. Hazra (From 24-7-93)
17. Technology & Engineering : Prof. Dipakkumar De
18. Law : Dr. J. C. Rathod

19. Fine Arts : Prof. V. S. Patel (Upto 18-6-93)
20. Home Science : Prof. (Mrs.) Arvinda Chandra (Upto 14-6-93)

Dr. Nalini Ogale (From 15-6-93 to 10-2-94)

Prof. (Mrs.) Veena Mistry (From 11-2-94 to 27-3-94)

21. Social work : Dr. (Mrs.) Varsha Anjaria
22. Performing Arts : Vacant
23. Management Studies : Prof. M.M. Dadi (From 22-12-93)

### Principals of Constituent Colleges

24. Polytechnic : Shri C. D. Panchal
25. M. K. Amin Arts & Science College and College of Commerce, Padra : Prof. D.S. Shukla (From 4-12-93)
26. Sanskrit Mahavidyalaya : Shri U. H. Shukla

### Heads of Recognised Institutions

27. Director, Centre for Continuing/Adult Education and Community Services : Prof. (Miss) Malathi Chakravorty (Upto 21-1-94)
28. Director, Oriental Institute : Dr. R. T. Vyas
29. Director, Baroda Museum and Picture Gallery Shri S.K. Bhawmik (From 18-8-93)

### Member of the Syndicate falling under clause (vii) of Sub-Section (2) of the Section 23.

30. Dr. N. M. Vashi (Upto 3-3-94)

### Member of the Syndicate falling under Clause (x) of Sub-Section (2) of Section 23.

31. Prof. (Smt.) Veena R. Mistry (Upto 3-3-94)  
Dr. G.N. Shukla (From 4-3-94)

### All the Trustees of Sir Sayajirao Diamond Jubilee and Memorial Trust.

32. Her Highness Maharani Shantadevi Gaekwad of Baroda
33. Shri Morarji R. Desai
34. Shri I. C. Patel

35. Smt. Madhuben K. Shah  
36. Shri R. P. Gaekwad

**The Mayor of the Baroda Municipal Corporation**

37. Shri Dalsukhbhai C. Prajapati (Upto 31-10-93)

**The President, Vice-President and General Secretary of the M. S. University Union**

38. President : Dr. Nikhil D. Desai  
39. Vice-President: Vacant  
40. General Secretary : Vacant

**Ordinary Members**

**Five Professors**

41. Prof. N. M. Pandya, Arts  
42. Prof. D. S. Pathak, Commerce  
43. Dr. G. N. Shukla, Medicine  
44. Prof. H.V. Bhavanani, Technology and Engineering  
45. Prof. (Smt.) S. M. Joshi, Education & Psychology

**One Member each elected Faculty wise**

46. Arts : Dr. R. J. Shah  
47. Science : Dr. S. R. Pandya  
48. Education & Psychology : Dr. I. D. Bhatt  
49. Commerce : Shri M. R. Vyas  
50. Medicine : Dr. (Miss) Jayashree P. Mehta  
51. Technology & Engineering : Shri N. M. Bhatt  
52. Law : Vacant  
53. Fine Arts : Shri M. S. Deshpande  
54. Home Science : Dr. (Mrs.) Kalpana R. Parlikar  
55. Social Work : Smt. Thrity G. Vaswani  
56. Performing Arts : Shri A. P. Chavla  
57. Management Studies : Shri S.V. Sundarajan, (From 7-4-93)

**One Member elected from each of the Constituent Colleges and Recognised Institutions**

58. Polytechnic : Shri J. R. Shah  
59. Sanskrit Mahavidyalaya : Dr. H. M. Pandey  
60. M. K. Amin Arts and Science College & College of Commerce, Padra.: Shri A. I. Meman  
61. Oriental Institute : Vacant

**One Member each elected Faculty-wise by Registered Graduates**

62. Arts : Shri P. A. Jani  
63. Science : Shri N. M. Pardeshi  
64. Education and Psychology : Smt. Smita B. Joshi (From 30-1-94)  
65. Commerce : Shri R. J. Darji (Upto 24-12-93)  
66. Medicine : Dr. J. M. Dave  
67. Technology and Engineering : Shri J. B. Rajput  
68. Law : Shri H. B. Zaveri  
69. Fine Arts : Shri G. B. Nimbalkar  
70. Home Science : Mrs. Veena Jayakumar  
71. Social Work : Dr. N. A. Parmar  
72. Performing Arts : Shri H. S. Bochare,  
73. Management Studies : Shri V. N. Vanikar

**One Representative elected by Federation of Gujarat Mills and Industries, Vadodara**

74. Shri A. H. Patel

**One Representative elected by the Heads of Secondary Schools in the University Area**

75. Smt. Arnawaz J. Havewala

**One Representative elected by the Secondary Teachers in the University Area**

76. Shri R. T. Shah

**Two Representative elected by the Members of the Gujarat Legislative Assembly**

77. Shri Nalin Bhatt  
78. Shri Yogesh Patel

**One Representative elected by the Registered Trade Union in the University Area**

79. Shri Ashwin A. Shah

**One Member elected by the Bar Council of the State of Gujarat**

80. Shri Jitendrakumar M. Patel

**Two Members elected by Donors**

81. Shri Nilesh J. Shukla  
82. Shri M. C. Pathak

**Fifteen persons nominated by the State Government**

83. Shri Maheshbhai M. Amin
84. Shri Cassim M. Unia
85. Shri Jagdishbhai M. Patel
86. Shri Subodh S. Patel
87. Shri Ashwinbhai C. Shah
88. Shri Devanshu A. Vaishnav
89. Shri Narendra Tiwari
90. Prof. D. R. Gadekar
91. Shri Naranbhai J. Rathawa
92. Prof. Pravin N. Sheth
93. Shri N. D. Chokshi
94. Dr. Prakash M. Shah
95. Prof. Smt. B. H. Elavia
96. Prof. Anilkumar Bhatt
97. Shri Ashok Juneja

**One Representative of the Union of the Non-Teaching Staff of the University nominated by the Vice-Chancellor**

98. Shri P. S. Bhoite

Three Meetings of the Senate were held during the year 1993-94.

1. **The Annual Meeting was held on 26-12-1993, which was attended by 63 Members.**

Before taking up the items of the Statement of Business, the members of the Senate placed on record the services rendered by Shri Hitendrabhai Desai, Ex-Chief Minister of Gujarat State and offered their sincere and heart-felt condolences to the bereaved family.

The Senate also placed on record heart-felt condolences to the people affected by the Earthquake in Maharashtra State.

Five Members were assigned the Faculties.

The Annual Report and the Annual Accounts for the year 1992-93 were accepted. During the session of question answer, questions and supplementary questions were replied by the Chairman. The Pamphlet No. 11 of the Ordinances passed by the Syndicate was approved.

Institution of Posts, Gold Medals and Prizes was approved.

2. **Meeting was held on 19-3-1994, which was attended by 59 Members**

Before taking up the items of the Statement of Business, Members of the Senate placed on record the services rendered by the following and offered their sincere and heart-felt condolences to the bereaved families of the deceased distinguished persons

1. Shri Chimanbhai Patel, Chief Minister of Gujarat
2. Dr. Malati Chakravorty
3. Shri Chimanlal Jethalal Shah

Thereafter the meeting was adjourned for half an hour. The reconvened meeting was attended by 57 Members.

Four Members were assigned the Faculties.

The Financial Statement comprising the Revised Estimate for the year 1993-94 and the Budget Estimates for the year 1994-95 were accepted. During the session of question answer, questions were replied by the Chairman. The Pamphlet No. 12 of the Ordinances passed by the Syndicate was approved.

Institution of Posts and Gold Medal was approved.

3. **The Special meeting was held on 21-3-94 which was attended by 49 Members.**

The motion for the amendment of Section 10 (2) and (3), Section 12 and Schedule IV of the M.S. University Act, for the appointment of the Vice-Chancellor and the Pro-Vice-Chancellor, was withdrawn after detailed discussion.

## Other Authorities of the University

### I. COUNCIL OF POST-GRADUATE STUDIES AND RESEARCH

The Council of Post-graduate Studies and Research met on 9th August, 1993 and 14th February, 1994. Major items considered and recommended by the Council and subsequently approved by the Syndicate :

- I. Staff Members of the Physical Research Laboratory, Ahmedabad were recognised as University Post-Graduate Teachers for guiding Ph.D. students in the subject shown below under the Faculty of Science.

Name of the Teacher	Subject	Faculty
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1. Dr. Achuthan Jayaraman Scientist-D Physical Research Laboratory, Ahmedabad
2. Dr. Rangaswamy Ramesh Scientist-D Physical Research Laboratory, Ahmedabad

- II. Amended O.Ph.D. 9 (v) and O.Ph.D. 3(i).

- III. Water and Land Management Institute, Vadod (Anand) is recognised as a research centre for purpose of conducting Ph.D. work in the subject of Irrigation Water Management.

- IV. The Council also considered and recommended for approval items of panels of referees to examine Ph.D./M.Phil. thesis/dissertation in different subjects, recognition of Teachers as Post-Graduate Teachers for guiding students for Ph.D./M.Phil., Post-Graduate Degrees, extension of period for submitting thesis/dissertation under O.Ph.D. 4 (iii) & O.M. Phil. 6 (vii), registration for Ph.D. under O.Ph.D. 1 (viii), cancellation of registration for Ph.D. under O.Ph.D. 3 (vi), granting eligibility for Ph.D./M.Phil. and other academic items.

### II. FACULTIES

There are 13 Faculties in the University, out of which meetings were held for 12 Faculties during the year as shown below :

Sr. No.	Name of the Faculty	Date of Meeting
1.	Arts	29-4-94*
2.	Science	4-4-94*
3.	Education & Psychology	27-4-94*
4.	Commerce	7-7-94*
5.	Medicine	5-7-94*
6.	Technology & Engineering	5-6-94*
7.	Law	30-4-94*
8.	Fine Arts	7-5-94*
9.	Home Science	13-5-94*
10.	Social Work	28-4-94*
11.	Performing Arts	15-6-94
12.	Management Studies	28-3-94*

\*Note : Due to unavoidable circumstances, the meetings for the year 1993-94 were held after March, 1994.

### III. BOARDS OF STUDIES

66 Boards of Studies in different subjects met during the year as shown below :

Sr. No.	Name of the Boards	Date of Meeting
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#### FACULTY OF ARTS

1. Sanskrit, Pali & Prakrit Languages & Literature 10-1-94
2. Persian, Urdu & Other Asian Languages & Literature 6-1-94
3. Hindi Language & Literature 31-12-94
4. Gujarati Language & Literature 5-1-94
5. Marathi Language & Literature 28-12-93
6. English Language & Literature 29-12-93

7. Modern European Language & Literature	7-1-94
8. Sociology	4-1-94
9. History	30-12-93
10. Archaeology, Ancient History & Culture	4-1-94
11. Philosophy	27-12-93
12. Linguistics	30-12-93
13. Library Science	4-1-94
14. Political Science	28-12-93
15. Economics	31-12-93
FACULTY OF SCIENCE	
16. Bio-chemistry	9-12-93
17. Botany	8-12-93
18. Chemistry	7-12-93
19. Geography	9-12-93
20. Geology	8-12-93
21. Mathematics	6-12-93
22. Microbiology	2-12-93
23. Physics & Meteorology	6-12-93
24. Statistics & Acturial Science	7-12-93
25. Zoology	4-12-93
FACULTY OF EDUCATION & PSYCHOLOGY	
26. Education & Educational Administration	15-12-93
27. Psychology	24-12-93
FACULTY OF COMMERCE	
28. Banking & Business Finance	21-12-93
29. Accounts	20-12-93
30. Business Economics	20-12-93
31. Commerce including Business Administration	21-12-93
32. Co-operation	22-12-93
FACULTY OF MEDICINE	
33. Anatomy, Physiology & Bio-Chemistry	6-12-93
34. Surgery & Allied Branches	3-12-93
35. Obstetrics, Gynaecology & Paediatrics	2-12-93
36. Pathology, Microbiology, Pharmacology & Forensic Medicine	2-12-93
37. Medicine & Allied Branches	3-12-93
38. Physiotherapy	2-12-93

FACULTY OF TECHNOLOGY & ENGINEERING	
39. Applied Mechanics	19-1-94
40. Architecture	24-1-94
41. Chemical Engineering	17-1-94
42. Applied Chemistry	18-1-94
43. Applied Mathematics	18-1-94
44. Applied Physics	18-1-94
45. Civil Engineering	19-1-94
46. Mechanical Engineering	20-1-94
47. Metallurgical Engineering	24-1-94
48. Textile Technology	17-1-94
49. Textile Chemistry	24-1-94
50. Electrical Engineering & Electronics	21-1-94
51. Pharmacy	20-1-94
52. Computer Science	25-1-94
53. Water Resources Engineering & Management	25-1-94
FACULTY OF LAW	
54. Law	19-2-93
FACULTY OF FINE ARTS	
55. Painting, Sculpture, Applied Arts, Art History & Graphic Arts	10-2-94
56. Museology	19-2-94
FACULTY OF HOME SCIENCE	
57. Human Development & Family Studies	10-1-94
58. Foods & Nutrition	11-1-94
59. Home Science Education & Extension	11-1-94
60. Clothing & Textile	12-1-94
61. Home Management	25-1-94
FACULTY OF SOCIAL WORK	
62. Social Work	28-2-94
FACULTY OF PERFORMING ARTS	
63. Music (Vocal & instrumental)	10-2-94
64. Dance	27-1-94
65. Drama	27-1-94
FACULTY OF MANAGEMENT STUDIES	
66. Management Studies	23-12-93

## FACULTY OF ARTS MEETING HELD ON 29-4-1994.

1. The syllabi of F.Y.B.A., S.Y.B.A., T.Y.B.A., M.A. Part I and M.A. Part II in the subject of Persian, Arabic and Urdu were revised and approved.
2. The reference books in the Syllabus of F.Y.B.A. Optional Hindi and M.A. Part II in Paper No. 8 were approved.
3. The Syllabi for F.Y.B.A. Compulsory and Optional Gujarati were revised and approved from the year 1994 to 1997.
4. The Post-Graduate Diploma Course in English Language Teaching for graduates was introduced and approved conditionally.
5. The Syllabi for S.Y.B.A. (Major) and T.Y.B.A. in the subject of English were revised and approved.
6. Admission Criteria for F.Y.B.A. Optional English were approved.
7. Additional books in the subject of French for F.Y.B.A. (Optional), Certificate course, Diploma and S.Y.B.A. Minor Paper-II were introduced and approved.
8. The Title and contents of M.Phil. Course in History were revised and approved.
9. The Core and Optional Papers at M.A. in the Medieval and Modern streams were finalised and approved.
10. M.Phil. Course in the subject of Philosophy was introduced and approved from the academic year 1994-95.
11. The Syllabi of F.Y.B.A. Optional, S.Y.B.A., T.Y.B.A., M.A. Part-I and M.A. Part-II in the subject of Linguistics were revised and approved.
12. The Syllabus for the Paper on "Computer application to Libraries and Information Centres" was revised and approved.
13. The Syllabi for F.Y.B.A., S.Y.B.A. (Major), T.Y.B.A. Paper 5 and 6 and M.A. Part-II in Political Science were revised and approved from the academic year 1994-95.
14. The Syllabus for M.A. Course in Economics was revised and approved from the academic year 1994-95.
15. The Syllabus for M.A. Part-I in Agricultural Geography was revised and approved from the academic year 1994-95.

16. The grouping of Optional Papers offered at M.A. Part-II level as Paper II and III was approved.

Note : Recommendations are approved by the Syndicate.

## FACULTY OF SCIENCE MEETING HELD ON 4-4-94.

1. Post B.Sc. Diploma in Laboratory Techniques was approved with a condition that there will be no financial implication on the part of the University.
- \*2. The Syllabus for M.A. Part-I/M.Sc. (Prev.) as Paper-III in the subject of Agricultural Geography was revised and approved.
- \*3. The proposal for the modernisation of the Syllabi for under-graduate courses in the subject of Geology was approved.
- \*4. The Syllabi of M.Sc. (Prev.)/M.Sc. (Final) in all theory papers in the subject of Microbiology were revised and approved.
- \*5. The Syllabi of M.Sc. (Prev.) for paper I, II & III in the subject of Statistics were modified and approved.
- \*6. The Syllabi of Paper-II (Statistical Computing), Paper-III (Statistical Processes & their applications) and Paper-V (Advanced Design of Exp.) in the subject of Statistics of M.Sc. (Final) were modified & Approved.
- \*7. The subject "Statistical Process Control & Quality Control" was approved as an additional/optional paper at M.Sc. (Final). Syllabus & the Scheme of examination was prepared & approved for the same.
- \*8. 100% overall options in the question papers from P.G. Examinations was removed & the Faculty is of the opinion that 60% options would be desirable in an ideal pattern of question paper. More over Department would be at liberty to opt either the pattern of answering five out of eight question with one question compulsory or unitwise pattern.
- \*9. The number of optional papers was made limited upto maximum 4 optional papers at M.Sc. level in each Department only when atleast 4 students are available to accept a subject in same Particular year. Liberty is given to Departments to relax the Criteria of number of students & optional papers if required in exceptional cases.
- \*10. The scheme of 30% internal evaluation for practical at S.Y.B.Sc. principal & T.Y.B.Sc. level and the same 30% marks from S.Y.B.Sc. principal to be counted as a part of 30%. T.Y.B.sc. level was accepted and introduced.

\*11. In the matter of constituting separate Board of Studies in subject of Biotechnology under Faculty of Science, it was decided that the existing Board of Studies in Microbiology which constitutes the representation of teacher of Microbiology/Biotechnology will take care of academic function of Bio-technology till other arrangement is made.

\* These resolutions be made effective from the academic year 1994-95.

Note : Recommendations are approved by the syndicate.

#### FACULTY OF EDUCATION & PSYCHOLOGY MEETING HELD ON 27-4-94.

1. The standard of passing for professional Diploma in Educational Management was amended from at least B Grade to at least C+ grade on 11 point scale in each of the courses offered as well as in the aggregate.
2. Syllabus of the P.G. Diploma Course in Clinical and Community Psychology was revised and approved to be implemented from the year 1994-95.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF COMMERCE MEETING HELD ON 7-7-94.

1. New optional papers of Business Economics at M.Com Part-I and M.Com. Part-II were approved for the academic year 1994-95.
2. The students who have not offered 'Quantitative Economics' Paper No. 3 at M. Com. Part-I be eligible to offer Economics & Business Forecasting paper at M.Com Part-II was approved for the academic year 1994-95.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF MEDICINE MEETING HELD ON 13-5-94.

1. Separation of P.G. Degree in M.D. (Pathology) and M.D. (Microbiology) was approved and made effective from the year 1994-95.
2. Change in the Nomenclature of P.G. Diploma in Tuberculosis (T.D.D.) to "DTCD" was approved and made effective from the year 1994-95.
3. Revision in syllabus and increase in duration of the course of "Bachelor of Physiotherapy" were accepted in principle.
4. The report of the committee to start a degree course in Occupational Therapy was approved and made effective from the year 1995-96.

Note : Recommendations are approved by the syndicate.

#### FACULTY OF TECHNOLOGY AND ENGINEERING MEETING HELD ON 5-5-94.

1. Approved the policy and criteria for admission to diploma in textile Technology for 10th and 12th passed students, and made effective from the year 1994-95.
2. Nomenclature namely "Bachelor of Computer Science and Engineering" was approved for the 4 year degree course in Computer Science and revised the syllabus and Scheme of Teaching and Examination and made effective from the year 1994 onwards.
3. Revised complete curriculum for the MCA course was approved and made effective from the year 1994-95 and onwards.
4. It is decided and approved that for a student of M.E. course at Faculty of Technology and Engineering, a maximum time limit to appear for the final year examination will be 4 years from the date of his admission after which, his eligibility to appear in the examination will be automatically cancelled.
5. Approved the nomenclature of the Degree course in B.E. namely-"B.E. (Civil) Irrigation Water Management" awarded by the Department of Water Resources Engineering and Management.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF LAW MEETING HELD ON 30-4-94.

1. The provision of lapse of terms after six years for LL.B. Course was approved by the Syndicate at its meeting held on 20th July 1992 vide its resolution No. 30.

The above provision is made applicable now to all other courses of the Faculty of Law and it is to be implemented from the academic year 1994-95.

2. OL. 18 in the matter of case diary for LL.B. (Special) Students was ammended & approved by providing four trials in option to four session cases and four Civil matters in option to four Civil appeals.
3. The admission criteria of the D.L.P. and D.T.P. courses of the Faculty were ammended & approved by keeping 40% at the qualifying Examination on the line of admission requirement for LL.B. Course.

4. The Scheme of Examination with Bare Acts for the paper Nos. II, III, IV & VII of the LL.B. (Special) course were introduced and approved from the academic year 1994-95, initially for a period of two years on trial basis.
5. While considering the letter received from Dr. G.G. Dandpat, Jt. Secretary, University Grants Commission, regarding Implementation of various Examination reforms, the faculty accepted & approved some of the reforms in principle, such as (i) Demarcation of syllabus into units. (ii) Options to be given to students by alternate question in each unit of the syllabus (iii) Entrance test for admission to Post-Graduate courses was accepted, (iv) Examiners should be free to repeat question set in previous examinations, etc.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF FINE ARTS MEETING HELD ON 7-5-94.

1. A proposal to introduce Annual Internal Departmental Jury Comprising of the teachers and Heads of the Departments concerned, to assess the Performance of M.A. (Fine) & Post Diploma Students was approved and made effective from the academic year 1994-95.
2. The subject "Curating an exhibition and writing a catalogue" was approved and included as an optional subject to "Critical Writing" as part of the Syllabus to post graduate students of Art Criticism.
3. Some of the Existing courses in Applied Arts were revised & approved and made effective from the academic year 1994-95.
4. The policy for admission to Post-Graduate/Post Diploma Courses in the Faculty of Fine Arts was approved as under :

The students who have already obtained M.A. (Fine) or M.F.A. Degree or Post-Diploma of any art institution (including Faculty of Fine Arts, Baroda) in the practical specialization subjects under the disciplines of Paintings, Sculpture, Applied Arts and Graphic Arts, be not admitted again in the Post-Graduate Degree/Post-Diploma Courses in the same discipline with view to give opportunity to fresh students for admission.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF HOME SCIENCE MEETING HELD ON 13-5-94.

1. Change in the name of Department was made and approved from "Home Science Education and Extension" to "Home Science Extension and Communication".
2. Course modification of the following subjects was approved and made effective from the year 1994-95.
  - (a) Consumer and Fashion Aspects in CT (CT 348F)
  - (b) Tailoring as Business (CT 348)
3. Comprehensive examination at M.Sc. (Home) level from the Home Management Department was abolished from the year 1994-1995.
4. Introduction of a Foundation Course on Gender Studies at U.G. level was accepted in principle and a Committee was formed at Faculty level to work-out the detail.

#### FACULTY OF SOCIAL WORK MEETING HELD ON 28-4-94

The Curricula of all the courses of Social Work were approved and continued for the M.S.W. batch 1994-96 and the I.R.P.M. batch 1994-95.

Note : Recommendations are approved by the Syndicate.

#### FACULTY OF PERFORMING ARTS MEETING HELD ON 15-6-94.

1. Rules for granting admissions to the repeaters of the Diploma Courses in Music, Dance and Dramatics were approved.
2. Rules for higher admission to the Diploma Course in Music & Dance were revised and approved.
3. Rules for ATKT examinations of BPA Students were approved.

Note : Resolutions are yet not taken to the Syndicate.

#### FACULTY OF MANAGEMENT STUDIES MEETING HELD ON 28TH MARCH, 94.

The syllabus of M.B.A. Course was revised and approved and made effective from the academic year 1994-95.

Note : Recommendation is approved by the Syndicate.

## Other Boards and Committees

### I. STANDING COMMITTEE ON EQUIVALENCE OF EXAMINATION

The Standing Committee on equivalence of Examinations which met on 9th August, 1993 took the following decisions which were approved by the Syndicate :

1. The report of the action taken by the Vice-Chancellor under O.177 in deciding the eligibility of students for admissions to the various courses of this university for the academic year 1993-94 was approved.
2. M. Litt. Degree course of Delhi University was recognised as equivalent to M.Phil. Degree course of this University.
3. Bachelor of Library Science Degree awarded by the Indira Gandhi National Open University was recognised as equivalent to Bachelor of Library and Information Science examination of this University.
4. Shiksha Shastri and Shiksha Acharya examinations conducted by Rashtriya Sanskrit Vidyapeeth, Tirupati (A.P.) were recognised as equivalent to B.Ed. and M.Ed. examinations, respectively, of this university.

### II. PUBLICATION BOARD

One meeting was held during the year and the following recommendations were made and which were approved by the Sybdicate :

1. To appoint Advisory Board for the M.S. University Journal;
2. To publish three books of Shri S.B. Saxena, Faculty of Social Work, through Friends Publication (India);
3. The suggestion of Gujarat Sahitya Academy regarding changing of the name of editor in the reprint publication of *Valmiki Ramayan and Sukti Muktavali*;
4. Approval of draft Agreement Form;
5. To undertake Prof. B.K. Thakore Publication series,

### III. COMMITTEE OF DEANS OF FACULTIES AND HEADS OF INSTITUTIONS

Three meetings were held during the year and the following recommendations were made and which were approved by the Syndicate :

1. Fixing the terms and vacations of the Faculties and Institutions for the academic year 1993-94;
2. Fixing the dates of the University Examinations to be conducted during the Second half of the year 1993;
3. To increase the teaching time at par with other Engineering Colleges in the State by way of overlapping non-teaching period as proposed by the Dean, Faculty of Tech. & Engg. was accepted in principle;
4. To raise Funds/Materials in aid of the earthquake victims of Maharashtra State as a part of the national efforts to rehabilitate them;
5. To review the situation arising out of anti-reservation agitation;

### IV. PRESS SUPERVISORY COMMITTEE

Three meetings were held during the year and at these meetings the general reports of the Press regarding the working of the Press, Stationary Unit and Publication Sales Unit, and purchase of papers, duplicating materials, stationary, purchase of An-386/486 IBM compatable computer were discussed and accepted by the Syndicate.

**V. ADVISORY COMMITTEE FOR UNIVERSITY HEALTH CENTRE**

One meeting was held during the year and recommendations were accepted by the Syndicate :

1. Advertisement for the Post of Lady Medical Officer (Part-time) and revision of remuneration, were approved.
2. Passport size Photographs for the purpose of Physical fitness Examination at the time of first appointment in the University Services was introduced.
3. Medical Service Charge of Rs. 20/- per student at the time of first admission was introduced for the development of the Medical Services and infrastructure of the Health Centre.
4. Rules regarding Medical Service Charges and Payment of remuneration to consultants, counsellors and other staff etc. were substituted by new rules.

**VI. ADVISORY COMMITTEE FOR THE HALLS OF RESIDENCE**

One meeting of the committee was held during the year and following recommendations were made and were accepted by the Syndicate :

1. Policy for Admission in the Halls of Residence;
2. Policy for organising cultural activities;
3. The utilization of maintenance and facility fund for procurement of amenities like water cooler, generator etc.;
4. Hostel facility of D.N. Hall be converted into Guest House.

**VII. BOARD OF EXTRA MURAL STUDIES**

One meeting of the Board was held during the year and the recommendation regarding the distribution of an amount of Rs. 12,000/- to the Faculties and Institutions for Extra Mural activities was discussed and was accepted by the Syndicate.

**VIII. ADVISORY COMMITTEE OF M.S. UNIVERSITY EMPLOYMENT INFORMATION AND GUIDANCE BUREAU**

One meeting of the committee was held during the year and the recommendations to hold the Seminar on better placement of employment, purchase of wooden cupboards for display of literature, the report on the activity of the University Employment Bureau and other matters were discussed and were approved by the Syndicate.

## Highlights of the year

A UNIVERSITY, said Cardinal John Newman, is a seat of wisdom, a light of the world, a minister of the faith, an Alma Mater of the rising generation. *The Ideal of a University* records his expectations of a good university. "to set forth the right standard, and to train according to it, and to help forward all students towards it according to their various capabilities, this I conceive to be the business of a University." This business was performed by the Maharaja Sayajirao University of Baroda during the year 1993-94 in a manner befitting its glorious tradition of the last four decades. In numerical terms, the University community for the year was formed by 30724 university students and 2147 non-university students, 1253 teaching faculty and 1793 non-teaching staff. However, this statistics in cold print cannot offer a full idea of the composite structure of the community and its intellectual and social commitments unless it is immediately added that being one of the prime institutions of higher learning in the country it attracted students from more than twenty-five countries from all continents of the world. While the set goals of teaching and learning were pursued and the set practices of examination and conferment of degrees were followed, the University community responded to the situation of natural disaster caused by the earthquake in Maharashtra as promptly as it did to the rapidly changing social and economic concerns in the country. Among these, the issues related to women's emancipation seem to have attracted maximum attention during the last year, the testimony of which is the number of seminars, exhibitions and debates woven round feminist themes that were successfully organised on the campus. Economic changes, environmental degradation, technological shifts were among the other concerns that were reflected in research programmes, syllabi structuring and intellectual activity during the year.

It was not only the contemporary context, however, that occupied the attention of the University community. Seminars were organised to assess contemporary history, recent past as well as ancient cultural heritage. As instances of these could be mentioned the History Department seminar on Sayajirao Gaikwad, the Gujarati Department seminar on B.K. Thakore and the Oriental Institute Seminar on the *Ramayana*. The Oriental Institute completed a century of its existence during which it has earned global reputation as a premier institution of Indological studies. On the literary horizon, publications of scholarly works and literary

periodicals continued as enthusiastically as before. And, if the sad demise of the great poet and translator A.K. Ramanujan brought the reminder of his association with this University as a faculty member in the sixties, the Sahitya Akademi Award given to Prof. G.N. Devi's literary work brought the reassurance that the present is not without its promises. The English Department organised a seminar on Teaching of English Literature in Western India which was inaugurated by the Visitor, Dr. Sarup Singh.

However, the real growth and progress was seen more in the admirable work done in the Faculties of Science, Home Science and Technology. As the relevant chapters in this report indicate, the sheer volume of research projects undertaken and executed in these Faculties and the scholarly publications resulting from them in national and international scientific journals matches the enormous capacity of these Faculties to draw support and funding from national and international sponsors of research at advanced level. They have proved, once again, that all the hinderences created in pursuit of modern science and technology by occasional incidence of student indiscipline, the time lag between obsolescence of facilities and the compulsion for rapid sophistication of equipment and procedure do not deter potential from realising fulfilment.

It is certainly a matter of great pride for any university to have almost a dozen Departments of Special Assistance and another half a dozen of DRS and COSIST programmes. Similarly, the chapter on research in the University will indicate that there is practically no major sponsoring agency in the country which has not provided support to one or the other research scheme in the University. These two indicators together prove that excellence in research and teaching is neither sporadic nor accidental but that it spreads evenly across all Faculties and Departments of the University. Research and academic growth depend on infrastructure support and expansion in facilities. The University continued its work in the direction of building new institutions. Dr. Urmilaben Patel, M.P. inaugurated the New Building for Smt. Surajben Gordhanbhai Commerce and Arts College for Girls. As if academic excellence were infectious, it has not remained without affecting the student population. The number of prestigious awards and scholarships they have won, as practically every chapter covering the Faculties will show, that the future holds for us no terror but a bounty that the University

must plan to harvest and reap properly in the interest of nation building.

It is not, however, that the year brought all progress and no problems. The problems have been visiting the institutions with a bothersome frequency and claiming a blood-relationship that cannot be wished away. There is first the severe stringency of funds. Relevant appendices will show that the gap between what the University needs for preservation of its over-stressed infra-structure and further development needed to keep abreast of expanding frontiers of knowledge and what the University gets by way of maintenance, development and research support funding is widening without the necessary pause. The State Government's policy of periodic restrictions on making appointments, the U.C.C.'s inability to commit to efficient and adequate disbursements, the procedural delays and staggered liason have met us along the way last year like bad cliches. The saving grace for the over-burdened administrative machinery has been the new self-confidence instilled in the lower rungs through orientation and in-service training programmes.

Within the general framework of resources crunch, the University has been able to conduct its major programmes of wider public interest as shown in the long list of important events included in the Overview of

this Report. Several Departments took up collaborative work with industries in order to make research purposive and of mutual benefit. We were fortunate in getting the very best of speakers for many of the instituted chairs and lecture series just as it was our good fortune to have Mr. Pranab Mukherjee to deliver the Convocation Address for the annual convocation. Shrimad Vallabhacharya Chair lectures were delivered by Shri Chandragopalji Acharya. The first Professor Lakadawala Memorial Lecture was delivered by Prof. V.M. Dandekar, and the first Dr. B.R. Ambedkar Lecture was delivered by Prof. H.C. Dholakia. Apart from awarding all other degrees, to award 57 Doctorates speaks of no mean crop for the year. Yet, it was not just all work and no fun. The campus was active in terms of dramatic productions, concerts and fashion-shows. the Satur Theatre of Performing Arts, Shakespeare Society in Arts Faculty, student Exhibitions in Fine Arts, the student activities in the Management Faculty, the lab-newspaper, *Itivritt*, of Communication and Journalism and the N.C.C. and the N.S.S. made the M.S. University campus lively during the year. That these cultural activities and the other scholarly programmes keep functioning so smoothly in a year which saw changes in the offices of Vice-chancellor and Pro-vice-Chancellor is the ultimate indication of the maturity of our institution and the richness of its heritage.

## Research Work in the University

- IA. During the year 1993-94, 108 new students were enrolled for the Ph.D. Degree. The Faculty-wise distribution of doctoral students for 1993-94 and the total number of doctoral student enrolled is presented in the following table :

Sr.No.	Name of the Faculty	Enrolment in 1993-94	Total No. of Students enrolled
1.	Faculty of Arts	32	189
2.	Faculty of Science	40	242
3.	Faculty of Edu. & Psy.	11	34
4.	Faculty of Commerce	8	49
5.	Faculty of Medicine	-	29
6.	Faculty of Tech. & Engg.	6	100
7.	Faculty of Law	-	8
8.	Faculty of Fine Arts	2	49
9.	Faculty of Home Science	1	22
10.	Faculty of Social Work	-	12
11.	Faculty of Performing Arts	4	19
12.	Faculty of Management Studies	4	7
<b>Total</b>		<b>108</b>	<b>760</b>

- IB In the M.Phil. Degree Programme 29 new students were registered during the year 1993-94. The Faculty-wise distribution of M.Phil. Students for 1993-94 and the total number M.Phil. Students enrolled is presented in tabular form.

Sr.No.	Name of the Faculty	Enrolment in 1993-94	Total No. of Students enrolled
1.	Faculty of Arts	17	56
2.	Faculty of Science	5	16
3.	Faculty of Education & Psychology	1	16
4.	Faculty of Home Science	6	6
<b>Total</b>		<b>29</b>	<b>94</b>

## II. RESEARCH SCHEMES FINANCED BY THE UNIVERSITY

From the year 1993-94, the duration of Research Schemes Financed by the University is two years. Therefore the schemes under this category are same as those reported in the Annual Report 1992-93. The details of which are as under :

For the year 1993-1995 University funded Schemes were awarded to 25 teachers

	<u>Total Amount</u>
Faculty of Arts – 2 teachers awarded –	Rs. 0,60,000/-
Faculty of Science – 11 teachers awarded –	Rs. 2,98,000/-
Faculty of Education & Psychology – 1 teacher awarded –	Rs. 0,15,000/-
Faculty of Medicine – 2 teachers awarded –	Rs. 0,25,200/-
Faculty of Technology & Engineering – 5 teachers awarded –	Rs. 0,82,000/-
Faculty of Home Science – 1 teacher awarded –	Rs. 0,30,000/-
Faculty of Social Work – 2 teachers awarded –	Rs. 0,30,000/-
Faculty of Management Studies – 1 teacher awarded –	Rs. 0,15,000/-
<b>Total</b>	<b><u>Rs. 5,55,200/-</u></b>

## III. RESEARCH SCHEMES FINANCED BY OUTSIDE AGENCIES

Sr. No.	Name of Teacher	Title of Research Scheme	Name of the Funding Agency	Remarks regarding the progress of the scheme
<b>FACULTY OF ARTS</b>				
<b>Department of Archaeology &amp; Ancient History</b>				
1.	Parekh V.S.	Studies of the Harappan civilization. Field Work conducted. –Excavations at Santhali –Excavations at Datrana both in Banaskantha Dist. North Gujarat-Exploration.	Ford Foundation	In progress
2.	Sonawane V.H.	Rock Paintings of Western India with special reference to Gujarat.	Ford Foundations	In progress
3.	Ajithprasad P.	"Palaeoenvironmental and Prehistoric investigations of the Sukhi Valley".	Ford foundation	In progress
4.	Krishnan K.	Metallographic and ceramic Studies (Harappan Period). Analysis of Ceramics of the Indus Valley Period	Ford Foundation Ford Foundation	In progress In progress
<b>Department of English</b>				
1.	Kan P.C.	"New directions in the American Literary Historiography".	UGC and the Council of International Education, Washington D.C.	In progress

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|----|--------------|---|---|-------------|
| 2. | Joneja O.P.  | Indian Immigration to Canada.   | Shastri Indo-Canadian Institute, New Delhi. | In progress |
| 3. | Keshari R.N. | Preparation of Training Materials for Students appearing for UGC-IF F Test. | UGC Grants for Minor Research Projects.     | In progress |

**Department of Gujarati**

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|--|------------|--|-----------------------------|-----------|
|  | Desai L.M. | Elements of Folk-Drama-Their Relevance to Six Modern and plays – A Comparative Stud. | UGC Minor Research Project. | Completed |
|--|------------|--|-----------------------------|-----------|

**Department of History**

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|--|-------------|--|-------------------|-------------|
|  | Pandor G.A. | Muslim Communities in Gujarat : An In depth Historical Sociological Study. | U.G.C. New Delhi. | In progress |
|--|-------------|--|-------------------|-------------|

**Department of Political Science**

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|----|----------------|--|-------|---------------------------------|
| 1. | Mohite D.M.    | COPDAD : Quantitative Analysis of Indo-U.S. Relations                      | –     | Completed in 1993               |
| 2. | Pantham T.     | Contemporary Political Thought.  | UGC   | Work in progress                |
|    |                | Models and Strategies of Change : Survey of Research in Political Science. | ICSSR | Final Report submitted to ICSSR |
| 3. | Nandedkar V.G. | The Role of Voluntary Association in Local Development.                    | ICSSR | In progress                     |

**FACULTY OF SCIENCE****Department of Bio-Chemistry**

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|----|----------------|---|---|-------------|
| 1. | Parekh L.J.    | Special Asst. Programme III phase   | U.G.C.  | In progress |
| 2. | Parekh L.J.    | COSIST Programme  | U.G.C.  | In progress |
| 3. | Nareshkumar G. | Mechanism of NIFO Element excision of Hetero Custous cyanobacteria anabeana Sp. Strain PCC 7120   | Board of Research in Nuclear Science Dept. of Atomic Energy Bombay. | In progress |
| 4. | Katyare S.S.   | Diabetes and Membrane Function Alteration . Studies on Acetylcholine sterase Activity with Special Referenceto Brain and Heart in Alloxan-Diabetic Rats and Human Erythrocyte Plasma Membrane | GUJCOST, Govt. of Gujarat   | In progress |

**Department of Botany**

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|----|--------------------------------|--|-------------------------------------|-------------|
| 1. | Bedi S.J.                      | Impact of Industrial Air Pollution Trees growing in and around Baroda Industrial Area. | Dept. of Environment Govt. of India | In progress |
| 2. | Prathapasenan G. & Jasrai Y.T. | Development of Technology for the propagation of ornamental and medicinal plants.      | G.S.F.C. Science Foundation, Baroda | In progress |

3.	Jasrai Y.T.	Production of Synthetic seeds by Encapsulating Somatic Embryoids of Ajwain.	G.S.F.C. Baroda	In progress
4.	Rao K.S. & Arya A.	Histological, Histochemical and Pathological Studies on Mango malformation.	I.C.A.R.	In progress
5.	Garge S.K.	Monitoring the handuse of Baorda city using satellite data.	U.G.C. (Minor Res. Project)	Completed
6.	Pandya N. R.	Improvement of yield (qualitative and quantitative) of tobacco ( <i>Nicotiana tabacum</i> Linn.) growing in Polluted area.	U.G.C.	In progress
7.	Krishnaya. N.S.R. (Co-Investigator)	Assessment of the Impact of Industrial air pollution on tree spp. growing in and around Baroda industrial area.	Dept. of Environment, Ministry of Environ- ment & Forests. Govt. of India, New Delhi.	In progress
8.	Pandya N.R.	Improvement of yield of Tobacco Growing in Polluted Areas	UGC Minor Research Project	Completed
<b>Department of Chemistry</b>				
1.	Shah A.C.	Derivation and Racemization of L-2AB Diels Alder reaction of oxazole esters	Lupin Laboratories Ltd., Ankleshwar	In progress
2.	Bhattacharya P.K.	Intramolecular interligand interaction in ternary complexes involving biochemically important ligands	CSIR	In progress
3.	Rakshit A.K.	Physicochemical investigation of microemulsion system	Institute of Reservoir studies, ONGC, Ahmedabad.	Completed
		Mixed surfactant system	IPCL, Baroda	In progress
		Study of kinetics of chemical reactions in Microemulsion system	UGC, New Delhi	In progress
4.	Devi S. G.	The preparation and characterization of novel emulsion polymers and copolymers from microemulsion having relevance in surface coatings.	Asian Paints	In progress
		Immobilization of Biocatalysts on Polymeric Supports	D.S.T.	Completed
5.	Rama H.S.	Metal complex catalysis of hydrolysis of aminoacid esters and polymphosphates	CSIR	Completed
6.	Ram R.N.	Studies on polymer supported metal complex catalysis	UGC	In progress
7.	Kansara S.S.	Chemical modification of jute	CSIR	In progress
8.	Chakraborty D.	Formation constants of Binolear Binary and Ternary Complexes, Their Synthesis and Structure	UGC Minor Research Schemes	Completed
9.	Murthy C.N.	Blends of Difunctional Epoxy Polymer with Castor Oil Polyester for use as Insulating Varnish.	UGC Minor Research Scheme	Completed

10. Basrur U.A.	Studies on corrosion inhibitors for Mild Steel during allied pickling	UGC Minor Research Scheme	Completed
<b>Department of Geography</b>			
Rangaswamy V. & Vyas J.P.	Environment, Development and Planning A Study of tribal region of Central Gujarat	ICSSR, Delhi	In progress
<b>Department of Geology</b>			
1. Tiwari K.C., Merh S.S. & Chamyal L.S.	Sequence Stratigraphy & Palaeoclimatic aspects of the Quaternary deposits of arid basins of Western India	D.S.T.	In progress
2. Sharma N.N.	Geochemical correlations and petrogenesis of the acid, intermediate and alkaline rocks occurring in the Deccan Basalt province along Narmada Tapti Rift-valleys in Western India.	U.G.C. Minor Research Scheme	In progress
3. Maurya D.	"Nature of the Neogene Quaternary Boundary in Gujarat	U.G.C. Minor	Completed
<b>Department of Mathematics</b>			
Patel P.P.	On Convergence and summability of double orthogonal series	U.G.C. Minor Research Scheme	
<b>Department of Microbiology &amp; Biotechnology</b>			
Rao K.K.	Technology Development and demonstration of biofertilizers Rhizobium	Department of Biotechnology, Govt. of India	In progress
<b>Department of Microbiology</b>			
1. Archana G.	Closing of Drabidopsis Thajana Carbamoul Phosphate Synthetase Gene(s) by complementation-Mutuals.	U.G.C. Minor Research Scheme	Completed
	All India oordinated research project Biological Nitrogen Fixation	Indian Council of Agricultural Research, Govt. of India	In progress
	Microbial conversion of Agricultural residues to liquid fuel and other useful chemicals	Guj. Energy Development Agency, Govt. of India.	Completed
	Genetic & biochemical characterization of carbamoyl phosphate synthetase of Streptamyces & its evolutionary signficance	Dept. of Science & Technology, Govt. of India	In progress
	Cloning of Arabicopsis thaliana carbamoyl phosphate gene(s) by complementation of E. coli mutants	UGC Minor Research Scheme	In progress
	UGC, DSA Programme in Microbiology	UGC	In progress
2. Desai A.J.	Oil Spill Degradation	Dept. of Biotechnology Govt. of India	In progress
	Biodegradation of petrochemical pollutants	IPCL, Baroda	In progress
	Microbial conversion of Agricultural residues to liquid fuel and other useful chemicals.	Guj. Energy Dev Agency Govt. of Gujarat	In progress

3.	Chattoo, B.B.	Bioprocess Development and Genetic Manipulation in Microbial systems' under Indo-Swiss Collaboration in Biotechnology	DBT, Govt. of India and Swiss Govt.	In progress
		Genetic Engineering of Rice	The Rockefeller Foundation, USA	In progress
		Genomic Analysis in crop plants	The Maharashtra Hybrid Seeds Co. Ltd. Bombay.	In progress
		Genome analysis of Hevea Brasiliensis	The Rubber Research Institute of India, Kottayam, Kerala.	In progress
		Marker Assisted selection for production traits in cattle and buffaloes	National Dairy Development Board, Anand.	In progress
		Gene Expression in Aspergillus	Biocon India Pvt. Ltd. Bangalore	Completed
<b>Department of Physics</b>				
1.	Somayajulu D.R.S.	In beam off beam studies of HI	IUC-CC Calcutta	In progress
2.	Singh N.L.	Study of Entran channel effects in Preequilibrium Reactions	UGC	In progress
3.	Kanchan D.K.	Properties in High Tc. Superconductors for their Industrial Applications.	UGC	In progress
4.	Patel M.B.	Concentration and temperature programmed Gel Media Growth of Some Technologically Important Piezoelectric Crystals.	U.G.C. Minor Research Project	Completed
5.	Joshi D.R.	Growth and Characterisation of Crystalline Materials.	U.G.C. Minor Research Project.	Completed
6.	Mehta P.K.	Preparation and Investigation of Superconducting properties.	U.G.C. Minor Research Project.	Completed
<b>Department of Statistics</b>				
1.	Sreehari, M.	On the Stability of partial sums of pairwise independent variables.	U.G.C.	In progress
2.	Das N. P.	National Family Health survey (NFHS).	USAID Through Govt. of India.	Completed
		Determinants of Infant Mortality in India (Gujarat and Maharashtra)	International Development Research Centre, (IDRC), Canada	In progress
3.	Gandotra M.M., Das N.P.	Determinants of Infant Mortality in Gujarat and Maharashtra: A prospective study.	IDRC Canada	In progress
<b>Department of Zoology</b>				
1.	Pilo B.	Project Bird Hazard phase II. strobe light field experiments	ARDB, Ministry of Defence	In progress
		EIA Studies fisheries in the command area of Narmada project.	NPG GOG	In progress

2.	Ramecandran A.V.	Functional manipulation of adrenal and pineal in the reproductive potential of poultry.	CSIR	In progress
		Pineal adrenal Axis in Reproductive Functioning and Metabolic Physiology of Birds.	UGC	In progress
3.	Nene R.V.	Histophysiological studies on Avian skeletal muscle	UGC Minor Res. project	In Progress
4.	Padate G.S.	Comparative Study on Reproductive Biology of Birds.	U.G.C. Minor Research Scheme	Completed

#### FACULTY OF EDUCATION & PSYCHOLOGY

1.	Kothari R.G.	Writing Instructional Objectives (Project)	Research Training Centre, Ahmedabad.	In Progress
2.	Pradhan N.	Minor Research Project : Title : Developing Computer Assisted Instruction in Science Teaching for Secondary School Students.	UGC through M. S. University of Baroda.	In Progress
3.	Talesra H.	Social Background of Tribal Girl Secondary Students of Gujarat.	University Grants Commission, New Delhi.	Completed

#### Department of Psychology

	Daftuar C.N.	A Study of HRD Needs of an Indian organization.	IBP - Academy of HRD, Ahmedabad.	Completed
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#### FACULTY OF MEDICINE

##### Department of Anatomy

	Master D.C.	Study of Malormations & Donn Syndrome in India	Bhabha Atomic Research Centre, Trombay, Bombay.	In Progress
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##### Department of Pharmacology

1.	Hemavathi K.G. Bhatt J.D., Tripathi C.D., Bhattacharya P.	Evaluation of B-Blocking activity of Esmolol in cats & guinea-pigs.	Research Society, Med. College, Baroda	Completed
2.	Kantharia N.D. Bhatt J.D. Hemavathi K.G.	Effect of chronic treatment with Abana on serum lipid profile of rabbit	Research Society	In progress

##### Department of Medicine

	Pathak. K. J.	Cefaferazone for the treatment of lower respiratory tract, urinary tract and miscellaneous infections	Ium Pharmaceuticals	Completed
		A clinical trial with proflaxacin in Enteric fever	Hockhardt Ltd.	Completed

**Department of Pediatrics**

Shendurikar N.	Multicentric Trial of H. influenzae vaccine in 12-24 months age children	Pasleur - Merieux Institute, Bombay	Completed
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**Department of Obst. & Gynec.**

Hazra M.N.	Improved Utilization of spacing method through strategy of training and counselling, Nadiad ICMR Bharuch PHC.	Indian Council of Medical Research Govt. of India	In progress
	International study of improve the existing MCH & FW services at PHC level Waghodia Taluka, Baroda district.	Indian Council of Medical Research Govt. of India	In progress
	Intervention study to improve the quality and coverage of existing MCH & F.W. Services at PHC level - phase II, Bhaili, & Por.	Indian Council of Medical Research Govt. of India	In progress
	Phase III, Clinical trial with Norplant-I (6 capsules) Through cafeteria approach	Indian Council of Medical Research Govt. of India	In progress
	Clinical trial with Quinacrine Pellets for Non-Surgical female sterilization - a dose finding study	Indian Council of Medical Research Govt. of India	In progress
	Hospital based Surveillance for Maternal health	Indian Council of Medical Research Govt. of India	In progress
	Improving the quality of F.P. services in the National F.W. programme at the PHC level through the network of ICMR HRRC - Medical College, Dept. of O & G M. C. Baroda (District project)	Indian Council of Medical Research Govt. of India	In progress

**FACULTY OF TECHNOLOGY & ENGINEERING****Department of Applied Mechanical**

Shroff A.V. & Shah D. L.	Development of Remote Sensing Laboratory	HRD - New Delhi	Completed
	Modernization geotechnical Engineering Laboratory	HRD - New Delhi	Completed

**Department of Civil Engineering**

1.	Bhatt R.D., Parmar N.B. & Pathak R.H.	Pavement Method Characterisation	MHRD Govt. of India	In progress
2.	Bhavnanai H.V. Shah A.R. & Bhatt K.S.	Solid Waste Management	Net Work Scheme of MHRD Govt. of India	In progress

**Department of Applied Physics**

Murthy K.V.R.	Study of light output at various Temperatures	U.G.C. Minor Research Project	Completed
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**Department of Architecture**

Vaidya C.	Planning support for Informal sector	Institute of Town activities in Baroda. Planners (INDIA). New Delhi	Near Complition
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**Department of Chemical Engineering**

Puranik S.A. & Dabke S.P.	Process Development for conversion of Amide to nitrile.	Lupin Labs. Ltd. Ankleshwar	In progress
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**Department of Metallurgical Engineering**

1. Gadgeel V.L., Pai K.B.	Studies on Hydrogen Embrittlement of 8090 & 2091 Al-Li alloys & managing steels as air craft materis	ARDB	In progress
	Studies on 1400 series of Al-li Alloys & L-168 alloys in galvanic coupling with CFC & Ti bolts for air craft applications	ADA	In progress
2. Gadgeel V.L.	Material Characterisation	U.G.C.	In Progress

**Department of Pharmacy**

Murthy R.S.R.	Synthesis and evaluation of Hydrogel Polymers and their uses in the formulations of controlled released products	Alembic Chemical Baroda. CSIR	In progress
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**Department of Applied Chemistry**

Vora R.A.	Treatment of effluent from Trimethyl Phosphite/Plant	United Phosphorous Ltd. Ankleshwar.	In Progress.
	Synthesis of Potential Polymers	ONGC. (SJP)	In Progress.

**Department of Applied Mathematics**

Ramachan S.	Finite Element Analysis of Wave trap used in communication on High Tension Power lines.	Asea Brown Boveri R & D Dept.	Ongoing & to be completed soon.
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**FACULTY OF HOME SCIENCE****Department of Home Science Education and Extension**

Parlikar K.R.	Women in Fisheries	WHODSIC (Ford Foundation)	Completed
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**Department of Foods & Nutrition**

1. Subadra S.	Epidemiology of anemia	World Health organization	In progress
2. Subadra S. & Dhabhai D.	Promotion of production and consumption of b-Carotene rich foods.	Nutrition foundation of India.	In progress
3. Mani U. V.	Fractionation of Acidic hydroxy proline containing peptide from diabetics urine	Indian council of Medical Research, New Delhi.	Completed

	Effect of Cereal pulse mix supplementation on blood glucose & serum lipid profile in diabetics.	Russel Scientific Institute Bombay	In progress
	(i) Studies on the Acidic hydroxy proline containing proteins in Diabetes Mellitus	Indian Council of Medical Research, Govt. of India, New Delhi	In progress
	(ii) Studies on the effect of cereal pulse mix in NIDDM patients	Russel Scientific Institute, Bombay	In progress
4.	Deokinandan D. Promotion of Production & Consumptions of Carotene Rich-Foods.	Nutrition Foundation of India, New Delhi	In progress

#### Department of Home Management

1.	George R. R. Technical Backup Unit National Programme on Improved Chulha	Panchayat and Rural Housing Development Deptt. Govt. of Gujarat	In Progress
2.	Srinivasan K. Womens' Productive Roles and Child Survival. A multi Centric Reaearch Project (Note the title has been since modified to Child Health and Development : by the Research Network).	Ford Foundation of	In progress

#### Department of Human Development and Family Studies

1.	Mistry V.R. Standardization of Assessment Checklist for Pre-school Children	National Council for Educational Research and Training (NCERT) New Delhi.	In progress
	Developing and Implementing an Infant stimulation programme for mothers through Anganwadi workers.	Indian Council for Social Science Research (ICCSR) New Delhi	In progress
2.	Saraswathi T.S. IDRC-HDFS Research Network	International Development Research Centre (Canada)	Completed
	University Grants Commission Department Scheme of Special Assistance (UGC-DSA)	University Grants Commission	In progress
3.	Mohite P.D. Play pattern of Children from 6-12 years.	ICSSR, New Delhi	Near Completion
	Curriculum development and assessment of disabled children.	ERIC, NCERT, New Delhi	Near Completion
	Department project : Early Child Development Learning Resource Centre	NCERT-UNICEF New Delhi	In progress
4.	Parikh J. Time Management of Rural Women	WHODSIC, Ford Foundation	Completed
5.	Dave P.B. Girl child and the Family	Dept. of Women and Child Development Ministry of Human Resource Development New Delhi	In progress

**FACULTY OF SOCIAL WORK****Department of Social Work**

Saxena S.B.	Evaluation of Services and Rehabilitation Programme under Juvenile Justice Act-1986 for the State of Gujarat & Maharashtra.	Ministry of Welfare Govt. of India	Completed
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**FACULTY OF PERFORMING ARTS**

Shah P.	Microanalysis of Sanchari (transitory) and sthayi bhava (emotional) states of Bharatanatyam using Liaban's Movement Analysis	USIS Indo Sub Commission of Education and Culture, Fullbright and UGC	In progress
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**POLYTECHNIC**

Panchal C.D.	Industry Institute Interaction Scheme (III Scheme)	Ministry of HRD Dept. of Education Govt. of India New Delhi	In progress
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**BARODA SANSKRIT MAHAVIDYALAYA**

Purohit K.J.	A critical study of Laghuparashari	Baroda Astrological Group	In progress
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## Distinguished Lecturers at the University

The following lectures were delivered under the auspices of the University Grants Commission Schemes such as Exchange of Teachers, National lectures, Visiting Professors, Extra Mural Studies and under other Schemes of the University.

### A. LECTURES DELIVERED UNDER UNIVERSITY GRANTS COMMISSION SCHEME OF EXCHANGE OF TEACHERS :

Sr. No.	Name of the lecturer	Date	Subject
<b>FACULTY OF ARTS</b>			
<b>Department of Hindi</b>			
1.	R.S. Ramchandran Nayar Dept. of Hindi University of Kerala, Trivendram	24,25 & 26th Sept. 1993.	Four Lectures on (i) Kabirki Bhasha (ii) Nayee Hindi Kavita (iii) Nirala (iv) History of Hindi Literature.
2.	Stasik Danuta University of Poland	17 to 24th Feb. 1994.	Stayed in the Department to study Ramkatha in Hindi Literature
<b>FACULTY OF SCIENCE</b>			
<b>Department of Geography</b>			
	Yola Verhasselt Free University Brussels	7.2.94 8.2.94	Environment & Health Health & Development
<b>Department of Microbiology</b>			
1.	Yashwant Vaishnav Dept. of Medicine Univ. of California USA	10.8.93	Life Cycle of Human Immunodeficiency
2.	P.M. Bhargava Ex-Director, CCMB, Hyderabad	15.9.93	The Future of Biology and Biotechnology
3.	B.N. Ganguly Hoechst Pharmaceuticals Ltd. Bombay	20.8.93	Screening for Secondary Metabolites
4.	Vishwanth Iyer Harvard Medical School, Boston	11.10.93	Mechanism of Regulations of Transcription of the HTS 3 gene of <i>Saccharomyces Cerevisiae</i>

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|----|---|----------|---|
| 5. | S. Shantaram<br>Chief Micro Organism Branch,<br>USDA, USA | 10.1.94  | Environmental and Biological<br>Impact of Transgenic Plants |
| 6. | Tarun B Patel<br>Univ. of Technology<br>Memphis           | 12.2. 94 | Signaling Mechanisms in<br>Epidermal Frowth Factor Action   |

**FACULTY OF HOME SCIENCE****Department of Clothing & Textiles**

- |                                 |        |                  |
|---------------------------------|--------|------------------|
| Chopra Kusum<br>NIFT, New Delhi | 9.3.94 | Fashion in India |
|---------------------------------|--------|------------------|

**Department of Education & Extension**

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|---|----------|---|
| Sansanwal D.N.<br>Devi Ahilya University Indore | 1-4.3.94 | Use of Statistics for<br>Social Science |
|---|----------|---|

**Department of Home Management**

- |  |          |   |
|--|----------|---|
| 1. Bansal K.K.<br>Computer Consultant,<br>Baroda | 1-3.3.94 | Computer application for<br>Social Science Research                           |
| 2. Dholakia K.M.<br>GEDA, Baroda                 | 7.3.94   | Energy as an output for Economic<br>well being of families "Option for Future |

**Department of Foods & Nutrition**

- |  |         |  |
|--|---------|--|
| 1. Dr. Hirode Madhvi<br>Consultant Surgeon,<br>Baroda        | 9.3.94  | Preventive Eye Care Vitero-Refinal         |
| 2. Dr. Tah Ravindra<br>Associate Prof. of Surgery,<br>Baroda | 11.3.94 | Nutritional Management of<br>Burn Injuries |
| 3. Khanna Renu<br>SAHAJ/SARTHI, Baroda                       | 12.3.94 | Women's Health                             |

**Department of Human Development and Family studies**

- |  |             |   |
|--|-------------|---|
| 1. Oommen T.K.<br>Centre for study of Social System<br>Jawaharlal Nehru University<br>New Delhi. | 18-19.10.93 | 1. Women's Movement<br>and Women's Studies :<br>An Analysis of Interrelations     |
|  |             | 2. Modes of Earning Livelihood and<br>Process of Decision Making in the<br>Family |

2.	Bhatti R.S. NIMHANS Bangalore	22.10.93	Conceptual Approaches to Marital Therapy and its Relevance in the Indian Context.
3.	Gokarn Niranjana Tata Institute of Social Sciences, Bombay	10.1.94	Indicators of Family Stress and Modes of Assessment
4.	Misra Radha SNDT university Pune	11.1.94	Family and Media
5.	Desai Murali Tata Institute of Social Sciences, Bombay	18.1.94	Research on Family with Problems in India: Trends and Policy Implications.
6.	Prasad Bindu Counsellor, New Delhi.	7-9.3.94	1. Family System Therapy 2. Family Counselling : National and International Perspective 3. Parents Involvement in Training & Children with special needs
7.	Sinha Durganand Psychologist and former IICSSR Fellow, Allahabad	18-19.3.94	1. Cross-cultural Psychology in India 2. Indiginization in Psychology
8.	Bakshi P.M. Law Commission of India	27.3.94	Analysis of Indian Legislation and Policies concerning Family Issues

**FACULTY OF PERFORMING ARTS**

1.	Arunkumar Sen Bombay	4.1.94	Comparative Study of various Talas in Hindustani Music
2.	Talwakar Suresh Bombay	25.8.93	Lecture and Demonstration on Tabla and its various compositions
3.	Haldankar S. S. Bombay	18.3.94	Special Charactristic of Agra Gharana Comparative Study of Agra Jaipur Gharana
4.	Arun Kasha Kaur Bombay	19.3.94	Special Characterstic of Gwalior Gharana
5.	Ashok Ranade Bombay	18.2.94 21.2.94 & 22.2.94	Lectures and Workshop on Voice Culture in Vocal Music, Tagore Memorial Chair

**FACULTY OF MANAGEMENT STUDIES**

1.	S.C. Bhatia Zonal Manager ICICI	7.8.93	Merchant Banking
2.	Vanraj Jhala Executive Director BPC	14.8.93	Self Awareness and Winning Dynamics
3.	S.K. Saham	20.8.93	Functioning of Stock Market in

	Professor, Delhi University		India
4.	P. Balabhaskaran Project Manger GIIC Ltd.	21.8.93	Managing Infant Organisation

#### FACULTY OF JOURNALISM AND COMMUNICATION

1.	Divyesh Trivedi	23.8.93	Print Media
2.	Harish Kakvani	24.8.93	Audio Media
3.	V.N. Raina	19.8.93 & 20.8.93	Film & Television
4.	Viquar Saiyed	16.8.93 & 17.8.93	Photography

#### POLYTECHNIC

1.	Bandyopadhyaya Dy. Quality Control Manager Gujarat Refinery IOC, Baroda	16.10.93	Quality Control of Petroleum Products its Significance
2.	R.D.Patel Manager (Training ) Deepak Nitrite Ltd. Baroda.	18.3.94	Introduction to Microprocessor for Process Control
3.	S.M. Moghe Manager (HRD) GSFC, Baroda	18.3.94	Introduction to Microprocessor for Process Control
4.	C.A. Potnis Baroda	30.3.94	Community Attitudes to Engineering Education

#### BARODA SANSKRIT MAHAVIDYALAYA

1.	J.K. Bhatt Maharshi Vedic Academic University, Ahmedabad	7.3.94 9.3.94 11.3.94 22.3.94 23.3.94 25.3.94 28.3.94	श्रुतेन यत्नेन वाजुपासिता वक्रोक्तितः काव्यश्रीवितम् आनन्द परमो रसः दायभागः राजधर्म
2.	Shri Narahari Shastri Thatte Ex-Principal, Sanskrit Mahavidyalaya, Gwalior	18.3.94 19.3.94 21.3.94 22.3.94 24.3.94 25.3.94 28.3.94	शतपथ श्रादमणम् भारतीय दर्शन वैशिष्ट्यं जगात् तन्प्रभावश्च पाणिनीयव्याकरण वैशिष्ट्यम् वणोन्पति-स्थान-प्रयत्ननिर्माणम्- शक्तार्ति कर्माण वाक्य निरूपणम् कारक विचारः धात्वर्थ विचारः स्पो ट निरूपणम् ब्रह्मतत्त्व विचारः न्यायदर्शानि प्रमाण निरूपणम्

**B LECTURES DELIVERED UNDER THE EXTRA MURAL SCHEME OF THE UNIVERSITY :****FACULTY OF ARTS****Department of Economics**

- |    |                               |         |  |
|----|-------------------------------|---------|--|
| 1. | A.M. Nalla-Governer<br>Madras | 27.8.93 | Contingent Valuation<br>of Non-Market Goods. |
| 2. | B.V. Mehta                    | 23.2.94 | New Economic Policy<br>D.K. Shukla Memorial  |

**Department of Hindi**

- |    |  |         |  |
|----|--|---------|--|
| 1. | Bholabhai Patel<br>Dept. of Hindi,<br>Gujarat University,<br>Ahmedabad | 28.9.93 | Agueya aur Hindi<br>Sahityamen Naye Prasthan |
| 2. | Rohit Mehta<br>President,<br>Theosophical Society,<br>Varanasi         | 12.1.94 | Kabir ki <i>Prasangika</i>                   |

**Department of Sanskrit, Pali & Prakrit**

- |  |                    |         |                        |
|--|--------------------|---------|------------------------|
|  | Satya Vrat Shastri | 24.1.94 | Rama-Story in Thailand |
|--|--------------------|---------|------------------------|

**Department of Marathi**

- |  |  |         |                |
|--|--|---------|----------------|
|  | S.P. Bhagvat,<br>Editor, <i>Satyakatha</i> | 19.2.94 | Poet Mardhekar |
|--|--|---------|----------------|

**Department of German**

- |  |   |         |   |
|--|---|---------|---|
|  | Egbert Richta-Ushanas<br>Researcher Fellow Bremen,<br>Germany | 25.2.94 | Die Indus-Schrift<br>in Beziehungum Rig.-Veda |
|--|---|---------|---|

**FACULTY OF SCIENCE****Department of Bio-Chemistry**

- |  |  |         |  |
|--|--|---------|--|
|  | Yashvant Vaishnav<br>Asstt. Res. Professor<br>Dept. of Medicine<br>Univ. of Celifornia | 10.8.93 | Role of Cellular factor(s) in<br>Post-transcriptional Regulation<br>of HIV Gene-expression |
|--|--|---------|--|

**Department of Chemistry**

- |  |                     |         |  |
|--|---------------------|---------|--|
|  | M.C. Wani<br>U.S.A. | 17.3.94 | Recent Progress in the Chemistry<br>of Plant Derived Antifumeragents |
|--|---------------------|---------|--|

**Department of Geography**

- |  |               |        |   |
|--|---------------|--------|---|
|  | Sanjeev Joshi | 9.3.94 | 'Landscapes of Desire' Cities and Symbols |
|--|---------------|--------|---|

**Department of Statistics**

N.R. Sarer 11.3.83  
 executive in-charge  
 S.O.C. Baroda

Two Lectures  
 Taguchi Methods of  
 Quality Engineering.

**FACULTY OF EDUCATION AND PSYCHOLOGY**

- |    |             |         |   |
|----|-------------|---------|---|
| 1. | D.P. Chhaya | 21.3.94 | Education   |
| 2. | Bharadwaj   | 24.3.94 | Education   |
| 3. | D.K. Desai  | 2.2.94  | Material Management in Educational Administration |

**FACULTY OF HOME SCIENCE****Department of Clothing and Textiles**

Contractor Nikitin 5.2.94 Computers and Their Application

**Department of Education and Extension**

Kumar K. 27.9.93 Making of Newspaper and Challenges for Print Media in Modern Times

**Department of Home Management**

- |    |              |        |  |
|----|--------------|--------|--|
| 1. | Sharma Ashok | 4.3.94 | Management and Organization of Housekeeping Department and its Job Prospects |
| 2. | Purohit      | 5.3.94 | Enterpreneurship Development and Family Well-being                           |

**FACULTY OF SOCIAL WORK**

- |    |                  |         |   |
|----|------------------|---------|---|
| 1. | Kalindi Majmudar | 30.3.94 | Issues Involvd in Counselling in Different Settings |
| 2. | C.A. Potnis      | 30.3.94 | Community Attitudes to Engineering Education.       |

**BARODA SANSKRIT MAHAVIDYALAYA**

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|----|-----------------------|--------------------|---|
| 1. | Satyavratshastri      | 24.1.94            | मदिपा काव्य यात्रा  |
| 2. | Egbart Rictor Ushnash | 25.2.94<br>26.2.94 | Deciphering of The Mohenjo Daro Script in the basis of the <i>Rigveda</i> |
| 3. | Gautam Patel          | 22.3.94            | कालिदासस्य काव्य कला  |

**C LECTURES DELIVERED UNDER OTHER SCHEMES****FACULTY OF ARTS****Department of Hindi**

- |    |   |          |  |
|----|---|----------|--|
| 1. | Nirupama Pota<br>Dept. of Hindi,<br>Garda College,<br>Navsari     | 8.8.93   | Modern Hindi Poetry with<br>special reference to Jayshankar Prasad |
| 2. | Vilasrav Vaishava   | 25.8.93  | Translation of <i>Ramcharit Manas</i>                              |
| 3. | Vrajvallabha Misra<br>Reader in Hindi,<br>Agra University, Agra.  | 2.9.93   | Modern Hindi Drama   |
| 4. | Govinda Misra,<br>Chief Income Tax Commissioner<br>Gujarat State. | 4.2.1993 | Modern Hindi Novel   |

**Department of Marathi**

- |    |                     |         |                               |
|----|---------------------|---------|-------------------------------|
| 1. | Vasant Abaji Dahake | 5.1.94  | Kavitecha Rasaswad            |
| 2. | Kalindi Deshpande   | 6.1.94  | Women Liberation and Politics |
| 3. | Ram Pujari          | 10.1.94 | Vinda Karandikarachi Kavita   |

**Department of Archaeology**

- |    |  |         |  |
|----|--|---------|--|
| 1. | Vidula Jaiswal<br>Banaras Hindu University               | 2.11.93 | Discovery of Ancient<br>Quarries around Chunar |
| 2. | Lotika Varadrajan<br>Delhi                               | 9.4.94  | Sea-faring Traditions of India                 |
| 3. | Andre Tehernia<br>France                                 | 4.3.94  | Roman Amphorae found<br>in Gujarat             |
| 4. | Ravindra Kumar<br>Banaras Hindu University               | 10.8.93 | Archaeology of Middle Gomati Basin             |
| 5. | Asita Patel<br>Research Scholar of<br>Harvard University | 4.3.94  | Archaeology of North-Gujarat                   |

**FACULTY OF SCIENCE****Department of Chemistry**

- |    |                |            |   |
|----|----------------|------------|---|
| 1. | P. Natarajan   | 20-21.8.93 | Oxidation Reactions of Synthetic and<br>Biomolecules containing Transition Metals |
| 2. | Sumit Bhadduri | 25.10.93   | Metal Complex Catalysed Reactions.  |

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|----|---------------|-------------|--|
| 3. | Ganesh Pandey | 26-27.10.93 | <ol style="list-style-type: none"> <li>1. Alpha Amino Radicals in Organic Synthesis</li> <li>2. New Strategy for Non-stabilised Azomethin yield generation of Biologically Active Alkaloids</li> </ol> |
|----|---------------|-------------|--|

**Department of Statistics**

- |                     |             |   |
|---------------------|-------------|---|
| Deokumar Srivastava | 11-13.10.93 | Robust Test Procedures for Mult, Variat<br>Da'a<br>Dr. A.G. Phatak Fund Lecture |
|---------------------|-------------|---|

**Department of Zoology**

- |             |                      |   |
|-------------|----------------------|---|
| Dilip Desai | 23.10.93<br>30.10.93 | <ol style="list-style-type: none"> <li>1. Peptic Ulcer</li> <li>2. Hepatitis</li> </ol> |
|-------------|----------------------|---|

**FACULTY OF EDUCATION PSYCHOLOGY**

- |    |                |                      |  |
|----|----------------|----------------------|--|
| 1. | A.K. Sen       | 31.3.94 to<br>3.2.94 | Research Design Application of Stastical<br>Analysis Social and Education Research |
| 2. | Jitendra Mohan | 3.2.94 to 4.2.94     | Executive Personality  |
| 3. | M.V.Mathur     | 10.2.94 & 12.2.94    | Challenges to Higher Education in India  |
| 4. | Jaya Indresan  | 10.2.94              | Empowerment of Women for Leaderhip   |

**FACULTY OF HOME SCIENCE****Department of Clothing and Textiles**

- |    |               |          |   |
|----|---------------|----------|---|
| 1. | Patel M.R.    | 24.3.94, | Trends of Garments Technology in India            |
| 2. | Murthy H.V.S. | 19.2.94  | ISO-9000 A Total Concept of Quality<br>Management |

**Department of Education & Extension**

- |    |  |         |   |
|----|--|---------|---|
| 1. | Dandavate Pramila<br>Ex. M.P. New Delhi.         | 25.2.94 | Women and Religilon Hindu Perspective       |
| 2. | Engineer Asghar Ali                              | 25.2.94 | Women and Religion<br>Islamic View point    |
| 3. | Valles C.G.<br>St. Xavices College, Ahmedabad    | 25.2.94 | Women and Religion<br>Christian Perspective |
| 4. | Pathak Ila<br>Gujarat Universtiy, Ahmedabad      | 25.2.94 | Women and Religion<br>Hindu Perspective     |
| 5. | Vasuben<br>Formerly with Akashwani,<br>Ahmedabad | 25.2.94 | Women and Religion<br>Hindu Perspective     |

6.	Shaikh Mehrunissa Ahmedabad	25.2.94	Women and Religion Islamic view point
7.	Bandukwala J.S. M.S. University, Baroda	25.2.94	Women and Religion Islamic view point
8.	D'Souza Leonora SNDT University, Bombay	25.2.94	Women and Religion Christian Perspective
9.	Macwan Joseph Writer, Anand	25.2.94	Women and Religion Christian Perspective
10.	Singh Swaranjeet Industrialist, Baroda	25.2.94	Women and Religion Sikh Perspective
11.	Patel Kamal Mt. Carmel Nursary	25.2.94	Women and Religion Zorastrian View point
12.	Bedi Kiran I.G. Prisons, New Delhi	25.2.94	Women and Religion Hindu view point

#### Department of Human Development of Family Studies

Subramanyam Jaya	21-23.3.94	Music and Movement for Children
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#### WSRC/WHODSIC

1.	Oomen T.K. Jawaharlal Nehru University, New Delhi	18.10.93	Women's Movement and Women's Studies : An Analysis of Interrelations
2.	Bakshi P.M.	22.3.93	Analysis of Indian Policies and Legislation Concerning Family Issues

#### FACULTY OF LAW

Dholakia H.C	14.2.94 to 2.3.94	Constitutional Studies
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#### FACULTY OF JOURNALISM AND COMMUNICATION

1.	Ashok Mewada Educational Media Research Centre, Ahmedabad	23.3.94	The Art of Science Documentary
2.	Ushakant Mehta	17.9.93 to 22.10.93 (5visits)	Cinema
3.	D.A. Rachh	2.2.94	News paper Marketing Circulation
4.	Jitendra Desai	11.2.94	Printing Publishing

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|----|--------------|---------------------------------|--------------------|
| 5. | Sanjay Desai | 6.1.94 to 20.1.94<br>(4 visits) | Advertising        |
| 6. | Chinu Modi   | 7.1.94 to 19.2.94<br>(8 Visits) | Advertising        |
| 7. | Ajit Pathak  | 22.1.94 &<br>26.1.94            | DD/AIR News        |
| 8. | Yusuf Khan   | 10.1.94 &<br>18.1.94            | Working Journalist |

**BARODA SANSKRIT MAHAVIDYALAYA**

Chandra Gopalji Mahodaya

6.10.93 to  
15.10.93शुद्धा ध्वर्षत मते श्रीमद्भागवता गीतानुं  
प्रामाण्य

## Faculty of Arts

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Titles of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Gujarati</b>			
	Desai L. M & Shah M. C. (Ed.)	ભવાઈ તત્વચર્ચા (A collection of Essays on Gujarati Folk-drama Bhavai)	Akshara, Baroda-18, August, 1993.
<b>Department of Hindi</b>			
1.	Pathak R. D.	'संतप्रिया' 2nd Edition for students	Jayabharati Publication, Allahabad, September, 1993.
2.	Pathak R. D. et. al.	हिन्दी पाठ्यपुस्तक (X Std.)	गुजरात राज्य शाला पाठ्य पुस्तक मंडल गांधीनगर, १९९३
2.	Desai P.K.	हिन्दी साहित्यका संक्षिप्त सुगम इतिहास  आधुनिक महिला लेखिकाओं के नगरीय परिवेश के उपन्यास	कृष्णा प्रकाशन, जयपुर, अप्रैल, १९९३.  चिंतन प्रकाशन, कानपुर, मार्च, १९९४.
<b>Department of English</b>			
1.	Vanikar R. & Palia K.	<i>Networking : Strategies for Communication in English</i>	Oxford University Press, 94.
2.	Salat M.F.	<i>The Canadian Novel : A Search for Identity</i>	Delhi : B.R. Publishing Corporation, 1993.
3.	Devi G.N.	<i>In Another Tongue : Essays of Indian English Literature</i>	Peter Lang Frankfurt, August, 1993
<b>Department of Persian, Urdu &amp; Arabic</b>			
	Anwar Zaheer	Urdu Text Book for Standard X	Gujarat State School Text Books Board, Gandhinagar, June, 1993.
<b>Department of History</b>			
	Pandor G.A.	1. <i>The Tablish Jamat : An Islamic Revivalist/Reformist Movement Case Study of Gujarat.</i> 2. History of Muslim Education in Surat	Department of History, M. S. University of Baroda, Baroda March 1993. Department of History, M.S. University of Baroda, Baroda March 1993.
<b>Department of Political Science</b>			
1.	Mohite D.	<i>Indo-U.S. Relations : A Case of Cooperation and Conflict</i>	South Asia Publisher, New Delhi, 1994.
2.	Shukul H.C.	<i>India's Foreign Policy : The Strategy of Non- alignment</i>	Chanakya Publications, Delhi, January 1994.

## II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of Person(s)	Title	Name of Journal wherein published and date of publication
<b>Department of Hindi</b>			
1.	Pathak R.D.	'मृत्युके साथ संवाद' अनुवाद (तीन प्रकरण) श्री अरविंदनुं संस्कृत साहित्यभां प्रदान : ओड संक्षिप्त ३परेभा	श्री अरविंद कर्मधार, १९९३(१, २) श्री अरविंद स्वदेशागमन' शताब्दी सोवीनेर डेबुआरी १८८४
2.	Desai P.K.	दवोनी घाटी : प्रकृति के बहिरंग वर्णन एवं लेखकीय व्यक्तित्व की ज्ञांकिया	भारतीय साहित्य, अगस्त १९९३
<b>Department of English</b>			
1.	Kar P.C.	Indian Writing in English Today.  Review of Shirley Samuels' (ed), <i>The Culture of Sentiment : Race, Gender and Sentimentality in 19th Century America</i>  Review of Robert Lecker's (ed) <i>Canadian Canons</i> .	<i>Malayalam Literary Survey Kerala Sahitya Akademi</i> . Vol. 16 No. 2 (1993)  <i>Melas</i> (University of Massachusetts) 19 : 2 (1993)  <i>Indian Journal of Canadian Studies</i> , 1993.
2.	Devi G.N.	Crisis ? No Crisis ? - Indian English Criticism  India and Ireland : Literary Relations  Fiction - The Last Decade  The Crisis of a Language	<i>Confederate Gestures : Search for Method in Indian Literature Studies</i> , edited by Charu Sheel Singh, Associated Publishing House, Delhi, 1993.  <i>The Internationalism of Irish Literature</i> , edited by J. MacMinn and others, Collin-Smythe, London, 1993.  <i>Indian English Fiction 1980-90 : An Assessment</i> edited by Nilufer E. Bharucha, B.R. Publishing Corporation, Delhi, 1994.  Guest Editorial The Book Review, Delhi, for special number on Gujarati Literature, May 1993
3.	Salat M.F.	Postmodernism is a Two-letter word : Robert Kroetsch  A Delicious Fare Margaret Atwood's <i>The Edible Woman</i>  Reassessing Margaret Atwood's <i>Surfacing</i>  Dreams of Gold on a Bed of Rocks	<i>Critical Practice</i> 1. 1. (Winter 1994)  <i>Perspectives on Canadian Fiction</i> Ed. Sudhakar Pandey Prestige Books, New Delhi : 1994,  <i>Vikram Journal of English Studies</i> (1993) : 50-57  <i>Journal of the M. S. University of Baroda</i> (Humanities) 41-42 (92-93)

4. Parikh B.A. Bright, White and Dark Blue a Poem *The Quest* Vol. 7 : 12 Octo, 93  
ટોની મોરીસન : બ્લેક અમેરિકન સાહિત્યના ઉદ્દગાતા એતદ્ વર્ષ ૧૪, અંક ૩-૪ ૧૯૯૩.
- Department of Gujarati**
1. Trivedi H.M. કાવ્ય સર્જનથી અવબોધ સુધી *Adhit*, March '94.  
આવકાર એક અનોખી કલ્પનાલીલાને *Shabdaserushti* January '94 and *Suiryo ja Suryo* November '93.
2. Desai L.M. રમણલાલ વ. દેસાઈના નારી પાત્રો : સામાજિક નવલકથાઓમાં તાદર્શ્ય જુલાઈ, ૧૯૯૩  
હોહોલિકા : ભવાઈનું આધુનિક સંસ્કરણ શબ્દ સૃષ્ટિ ગુજરાત સાહિત્ય અકાદમી ગાંધીનગર, ઓગસ્ટ ૧૯૯૩  
નાટ્ય સમારોહ : ૧૯૯૨ પ્રત્યક્ષ એપ્રિલ - જૂન, ૧૯૯૩  
સુન્દરમ્ની કવિતામાં અધ્યાત્મ દર્શન સુન્દરમ્ એટલે સુન્દરમ્, માંગલ્ય પ્રકાશન પોંડિચેરી ૧૯૯૩.
3. Panchal S.J. સાહિત્યની પલટતી વિભાવતા વિ - એપ્રિલ ૧૯૯૩  
સાહિત્યનો ઈતિહાસ અને તેની બદલતી વિભાવના પરબ, સપ્ટેમ્બર, ૧૯૯૩
4. Soni R.K. આપણું પદવી કેન્દ્રી સંશોધન : થોડીક અપેક્ષાઓ, આઝી મર્યાદાઓ *Forbes Sahityasabha "Traimasik"* Part I April-June '93 : Part II July-Sept. 1993.
5. Baxi A.M. અસ્મિતાની શોધ *Journal of the M. S. University of Baroda*, Vol. XLII (1992-93)  
સૌંદર્ય પ્રવાસના પ્રહર્ષનું શબ્દાંકન પ્રત્યક્ષ, જુલાઈ-સપ્ટેમ્બર, ૧૯૯૩
- Department of Sanskrit, Pali & Prakrit**
1. Nanavati R.I. સ્વાતંત્ર્યોત્તર લલિત સંસ્કૃત વાઙ્મય: ગુજરાત કા પ્રદાન દેવવાણી સુવાસ, મઈ ૧૯૯૩  
અથર્વવેદ પ. ૨૭ : એક વિશિષ્ટ આપ્રી સૂક્ત સમામ્નાય ૧૯૯૩
2. Deshpande U.S. Review of સંત બહિણાબાઈની ગાથા વ સમિક્ષા *Journal of the Oriental Institute*, M. S. University of Baroda, Vol. XL, March-June '91 Issued in April, '93.  
Shri Vitthaleshaji An Interpreter of Brahmasutra of Badrayan *Pradeep*, Indological Research Institute, Dwarka - March '94.
3. Pandya B.P. Dasama - Skendha ma Naradaji nu Kartrutva" વ્રજરાજ, વડોદરા મે ૧૯૯૩  
દસમા સ્કંધમાં નારદજીનું કતૃત્વ
4. Joshi L.M. ભાત્રવતમાં ભવિષ્ય કથન : એક સમીક્ષણ વ્રજરાજ એપ્રિલ, ૧૯૯૩.
5. Panda R.G. Anandabodha's Criticism of Nyaya view of Moksa *Samipya*, Journal of B.J. institute of Learning and Research Vol. III, Ahmedabad, May 93.  
Mandana on Avidyanivrtti *Journal of Oriental Institute*, Vol. 40, Nos. 3.4.1991 (issued in May, 1993)

On the Fifth Definition of Mithyatva as presented by Madhusudana Sarasvati

*Journal of Oriental Institute*, Vol. XLI, Nos. 1-2, (issued in October, 1993)

The concept of Jivanmukti and the prabhakara school of purva-M mansa

*Shodha samaveta*, Quarterly Journal of Sri Kaveri Research Institute, Ujjain, Vol. 2, No. 1-2, June 1993.

Refutation of Jaina View of Moksa Criticised

Jain journal, Vol., XXVII No. 4, Calcutta, April, 1993.

#### Department of Persian, Urdu & Arabic

1. Siddiqi S.B. Naziri Nishapuri
2. Zaher Anwar Nazm Entitled Manzil Ka Bulawa

*Burhan*, Delhi June & July 1993

*Gulbun*, Ahmedabad, Vol. 6, No. 5 Sept. Octob. 1993

Gazal

*Gulbin*, Ahmedabad, Vol. 6, No. 6 Nov.-Dec. 1993.

#### Department of Marathi

- Karogal S.U. છેલ્લા ઘયકાની મરાઠી કવિતા

*Journal of Maharaja Sayajirao University of Baroda*, Vol. XLI-XLII (1992-93) No. 1

#### Department of Linguistics

1. Suthar B.K. અનુઆધુનિકતાવાદ, પૂર્વપક્ષ  
સૌંદર્યશાસ્ત્ર અને જ્ઞાનભીમાસા : એક નોંધ
2. Bhattacharya T. Head Internal Relative Clause Climbing in Korean  
Classifiers and the Bangla DP Iowa 1994  
Review of *On Language Development and et. al.Planning*

પરબ ઑગસ્ટ ૧૯૯૩

ત્રેમાસિક જાન્યુ. - માર્ચ ૧૯૯૩

*Indian Journal of Linguistics* : Vol. 18, 1991 (issued in 1994)

Proceedings of SALA XV. Uni. of

*A Pluralistic Paradises* by V. N. Singh

#### Department of Archaeology & Ancient History

1. Parekh V.S. et. al. Non-destructive Analysis of Thirteen antiquities by Energy Despersive X-ray Fluoresence Method and their brief description with emphasis on Konographic and epigraphic aspects.  
A Historical and Cultural Perspective
2. Sonawane V.H. "Stupas : A Rare Depiction in Rock Paintings of Gujarat, India".

*Analytical methods Bio-geological methods, Dating methods, Prospection* (ed) proceedings International conference, Roskilde, Denmark.

Souvenir, National Symposium on Polymers '94, Feb. '94. Research Centre, IPCL, Baroda.

*Puratattva*, Journal of the Indian Archaeological Society, New Delhi. No. 23, 1992-93. issued December '93.

#### Department of Philosophy

- Vyas Nitin J. The Quest of Equality and Order, Gandhian Way

*Freedom, Dharma and Rights* Edited by reighton Peden and Yeager Hudson, The Edwin Mel-len Press, Queenston, Ontario, Canada, 1993.

**Department of Sociology**

1. Choondawat P.S. Changing Stratification Among the Rajput Ex-Jagirdars of Rajasthan. *Journal of the Maharaja Sayajirao University of Baroda*, Vol. XLI-XLII (1992-93) No. 2 (Social Science Number)
2. Xavier M. S. Towards a Sociology of Revolutionary Telugu Literature in Relation to Naxalite Movement in Andhra Pradesh. *Journal of the Maharaja Sayajirao University of Baroda*, Vol. XLI-XLII (1992-93) No. 2 (Social Science Number)
3. N. Rajaram *Review of Community Action for Social Justice Grass Roots Organizations in India* by Shashi Ranjan Pandey. *Sociological Bulletin* Vol. 40, No. 142 March-Sept 1991

**Department of Economics**

1. Pandya N.M. Structural Adjustment : Issues and Experiences. Gujarat Economic Association, April 93.
2. Rede L.A. Gujarat State Finances. 23rd Gujarat Economic Conference, Baroda, 1993.
3. Nanavati A.U. et. al. *Labour Productivity in Indian Railways*. *Indian Economic Journal* Vol. No. 41 Nos. Oct.-Dec. 1993.  
  
Investment in Infrastructure & Economic Growth in India. Conference Volume of technical papers of 3rd National Conference on Transportation Systems Studies, Analysis and Policy, Dec. 1993.  
  
*Sectoral Incremental Capital Output Ratio & of Indian Economy.* *Yojana*, Vol. 38, No. 4 March 15, 1994.
4. Kantawala B.S. External Debt of Developing Countries. *Finance India* Vol. II No. 4 Dec. 1993.  
  
A Diagrammatic Representation of Trade under Decreasing Cost Conditions. *Journal of the M. S. University of Baroda* (Social Science) Vol. XXXI-XXXII No. 2 1992-93 issued Dec. 1993.  
  
Review The Merchant-Warrior Pacified : The Vol. (The Dutch East India Company) and its changing political economy in India by G.D. Winnis & M.P.M. Vinl) Oxford University Press. *Journal of the Oriental Institute* Vol. 41 Nos. 1-2 issued Oct. 1993.

**Department of Library & Information Science**

- Rajaram S. Extracts  
Abstracts  
Book Review
- Valic Newsletter*, April-May, 93  
*Valic Newsletter*, April-May, 93  
*Valic Newsletter*, April-Aug., 93

**Department of Political Science**

- Mohite D. India : The Fourth Great Power ?  
  
Post-Cold War World Order : Some Emerging Trends, P.M. Kamath (cd.)
- Swords and Ploughshares*, University of Illinois, Urbana-Champaign, 1993  
*American Studies in India : Essays in History, Politics and Foreign Affairs*, Prestige Publication, New Delhi, 1994

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES, ETC. :

Sr. No.	Name(s) of Person(s)	Theme, Organizer's Name, Place, Date of Seminar/Conferences etc.	Title of Paper
<b>Department of Gujarati</b>			
1.	Desai L.M.	'Vicharmelo' Organised by International Youth Council, Goraj 9th & 10th April, 1993.	(a) Jalaka (b) Raino Darpanray
		'Vicharmelo' Organised by International Youth Council, Goraj. 25th to 27th Dec. 93.	(a) Hayavadan (b) Pilun Gulab ane Hun
2.	Panchal S.J.	Comparative Poetics Gujarati Sahitya Parishad, Ahmedabad, 16.2.94.	Sanskrit Rasavichar Ane Adhunik Sahitya
		Sardar Patel University Vallab Vidyanagar 26.3.94	Gujarati Katha Sahitya
<b>Department of Hindi</b>			
1.	Pathak R.D.	Seminar Organised by Hindi Sahitya Academy Gujarat. 19-20 March 94 Faculty of Arts M. S. University.	तुलनात्मक साहित्यका वास्तविक स्वरूप
		U.G.C. Seminar : at Gujarat Vidyapith, Ahamedabad 30.3.1994.	हिन्दी शोधका वर्तमान स्वरूप एवं कुछ कसमस्याएँ
		Seminar on मध्यकालीन हिन्दी काव्य organised by Hindi Sahitya Academy Gujarat.	मध्यकालीन हिन्दी काव्यका छन्द विधान
2.	Desai P.K.	अनुवाद - प्रक्रिया : हिन्दी प्राध्यापक परिषद, शामलाजी जि. साबरकांठा संगोष्ठी Seminar : 5.3.94 & 6.3.94	अनुवाद प्रक्रिया के संदर्भमे अनुवादिक युक्तियां, दोष और सीमाएँ
		शोध - संगोष्ठी : हिन्दी साहित्य अकादमी : वडौदा : 19.3.94 & 20.3.94	शोध में भाषिक - संरचना के विविध आभास
		समकालीन हिन्दी कविता संगोष्ठी : हिन्दी साहित्य अकादमी : सूरत 29.3.94 & 30.3.94	समकालीन कविता के तीन नये हस्ताक्षर
<b>Department of English</b>			
1.	Vanikar R.V.	British Council Seminar on Teaching English, New Delhi, April 1993.	A Tailor's Dummy ; A study of Culture Constant of ESL Teaching Materials
		Malaysia English Language Teachers Association Conference, Malasia May 1993.	Towards a Context for L2 Testing : A Contrastive Approach
		ESSE Conference, Bordeaux France, September, 1993.	Transfer and Translation : The Role of L1 in L2
		S.P. University, Vallabh Vidya Nagar, Oct. 28 1993.	New Englishes
		S.P. University, Vallabh Vidya Nagar, Jan. 10. 1993.	The Art of Short Story

- |                |   |   |
|----------------|---|---|
|                | Goa University, Feb. 1994.  | Teaching English Language & Literature in Global context                  |
|                | Goa University Feb. 1994  | Teaching language in Lit : A Discourse Approach.                          |
|                | Goa University Feb. 1994  | Teaching English Language & in the Indian Context.                        |
|                | Goa University Feb. 1994.   | Transfer and Translation : Towards A Methodology for Teaching Literature. |
| 2. Kar P.C.    | Seminar on "American 1920's : Life & Literature" Dept. of English, University of Poona, Organised by University of Poona & V.S. Educational Foundation in India and America Studies Research Centre at Hyderabad (3-5 Feb., 1994) | New Criticism in America  |
|                | Seminar on Literature of Protest Organized by English Department, Marathavada University (23-24 March, 94)  | Theory of Protest Literature  |
| 3. Devi G.N.   | 'Seminar on Comparative Indian Literature.' Department of Hindi, Sardar Patel University, Vallabh Vidyanagar. 1993, 5 April,  | Comparative Literature, Towards a National Perspective.                   |
|                | 'Regional Seminar on the Teaching of English Literature and Language', Department of English, M.S. University, & British Council, Baroda. 1993, 8-10 April,   | Para-literature   |
|                | 'Seminar on Four Indian Novelists', Dhvanyaloka, Mysore. 1993, 6-8 November,  | The Satanic Verses  |
|                | 'Seminar on Post-colonial Literature', Indian Association for Commonwealth Literature and Languages Study & Department of English, M.S. University, Baroda. 1994, 3-6 January,  | Organiser for the Seminar   |
|                | 'Seminar on Aesthetics : Indian and Western', St. Xavier's College, Ahmedabad. 1994, 5 February,  | Aesthetics : The Western Perspective                                      |
|                | Seminar on 'The Great Indian Debate of the 20th Century', Sahitya Akademi, Delhi. 1994, 18-20 February,   | Panel discussion on Language and Nation                                   |
|                | 'Seminar on Comparative Poetics' Department of Gujarati, Gujarat university, Ahmedabad. 1994, 14-15 March,  | After Amnesia Tradition and Change in Indian Literary Criticism           |
|                | Seminar on Contemporary Gujarati Literature, Sardar Patel University, Vallabh Vidyanagar. 1994, 26 March,   | Contemporary Gujarati Literature  |
| 4. Parikh B.A. | Seminar on "The Changing Scenario : A Perspective on India and Canada", Dept. of English, Saurashtra Uni. Rajkot, Jan. 28, 29, 30, 1990.  | The Female Voice and the Changing Landscape of Canadian Literature        |

5. Salat M.F. Seminar on Postmodernism and Feminism. SNDT Women's University, Bombay 24-26 May '93. Postmodernism and Canadian Literature
- Seminar on The Changing Scenario, perspectives on India and Canada, Saurashtra University Rajkot, 28-30 January, 1994. New Literature of India and Canada
- National Seminar on Canadian Studies Gurukul Kangdi University, Haridwar, 13-15 March, 94. The Other led Voices : of India and Canada
- II Workshp on Canadian Studies, M.S. University of Baroda, 27.12.93 - 21.1.1994. Native India Writing
6. Pandya S.P. Seminar on 'The Changing Sanario : A perspective on India and Canada, Dept. of English Saurashtra University, Rajkot, Jan. 28,29,30-1994. Trishanku : A Study of Uma Parameshwaran's work
7. Sylvester S.P. Innovations in the Teaching of English. English Language Teachers Association of India : Gujarat Chapter Department of English, M.S.U. Baroda 11 Sept. 1993. Computers to help Students Write Compositions in English
8. Bhatt S.A. Eighth Oxford Conference on Literature Teaching overseas. Organized by the British Council London From 27th March to 2nd April 1993 At Corpus Christi College Oxford University Oxford. Staging Learning Mapping L2 Learning through Drama
- TELI Seminar on Literature Teaching Osmania University, Hyderabad Organized by the British Council, Bombay, Jan. 24th to 27th 1994. Joyce : A linguistic mode of Entry into the Text

#### Department of Sanskrit, Pali & Prakrit

1. Nanavati R.I. Seminar on distnictive features of Different Schools/Sects/Branches of Sanskrit Shastras" Deptt. of Sanskrit, Pali & Prakrit, Faculty of Arts, M.S.U. Baroda, 18-19-20 March, 1994. Distinctive features of the Riti School of Sanskrit Poetics
- Seminar on "Narratives in Sanskrit Literature" Deptt. of sanskrit & Prakrit, Poona University, Poona. 28-29-30 March, 1994. Punishment of an Unchaste Woman : Three Tales
2. Deshpande U.S. Kama As a Human Goal in Ancient India'-Institute for Oriental Study, Thane 24-4-1993. Kama As a Human Goal Depicted in the Bhagawadgita
- All India Oriental Conference Pune, 28th to 30th May, 1993. Ganesh-toshini-A Little Known Manuscript Poem
- Seminar on Vishnu Puran and Markendeya Purana Oriental Institute Baroda 29th to 31st July '93. Some Ontological views found in the Vishnupurana

- Stories in Sanskrit Literature Department of Sanskrit Gujarat University Ahmedabad 9.2.94. Modern short Stories in Sanskrit
- Seminar on distinctive Features of Different Sanskrit Shastras, Deptt. of Sanskrit Pali & Prakrit, M.S. University of Baroda 18th to 20th March '94. Vallabh Vedanta
3. Pandya B.P. Seminar on Distinctive Features of Different Schools/Sects/Branches of Sanskrit Shastras. Upa-Puranas
- Organised by the Sanskrit, Pali & Prakrit Department Faculty of Arts, M.S. University of Baroda on 18, 19, 20 March, '94.
4. Joshi L.M. Astrology Conference Santram Astrological Society, Nadiad. 13th March, '94. Remedial Astrology
- National Seminar on Distinctive Features of different sects/Schools/Branches of Sanskrit shastras, Deptt. of Sanskrit M.S. University Dt. 18-20 March, '94. Yoga-system : Its Salient Features
5. Pandya R.G. All India Oriental Conference 36th Session Bhandrakar Oriental Research Institute, Pune 28th-30th May, 1993. The Nyaya-Vaisesika view of Jivanmukti : An Analysis.
- Seminar on Vishnu Purana and Markandeya Purana Oriental Institute M.S. University, baroda 29th-31st July, 1993. Doctrine of Karma and Punarjanma in the Vishnupurana and the Markandeya Purana.
- National Seminar on Distinctive Features of Different Schools/Sects/Branches of Sanskrit Shastras Deptt. of Sanskrit , Pali & Prakrit. M.S. University of Baroda. Nayaya System of Logic : a Methodological Perspective.

#### Department of Persian, Arabic & Urdu

- Wajeehuddin Deptt. of Persian, Delhi University Delhi 17-11-93 (Seminar) A Short Survey of Zalal Asur's Poetry.
- All India Persian Teachers Association Delhi. 28-30 dec. '93 (Conference) Saib's Contribution to Persian literature.

#### Department of Linguistics

1. Suthar B.K. Seminar on Comparative Literature : Gujarati Sahitya Parihad, Ahmedabad : 17.2.1994. રશિયન સ્વરૂપવાદ અને વક્રોક્તિવિચાર
- Seminar on 'Creativity' Department of Gujarati, Bombay University, 5-6 Sept. 1993. જ્ઞાનપ્રક્રિયા વિજ્ઞાન અને સર્જકતા
2. Bhattacharya T. & Dasgupta P. Seminar on Word Order in Indian Languages : Osmania University, Hyderabad, Feb. 93. Classifiers, Word Order and Definiteness
3. Bhattacharya T. & Dasgupta P. Seminar on Applied Linguistics, Bhartiya University, Coimbatore : 1993. Machine Translating Dps across Bangla and Hindi.
- South Asia Linguistics Association XV, Subordination in Indian Languages, Iowa Uni. Iowa City : 1994. Classifiers and the Bangla DP

**Department of Archaeology & Ancient History**

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|----|----------------|--|--|
| 1. | Sonawane V.H.  | Seminar on 'The Harappans in Gujarat'<br>Department of Archaeology, Deccan College,<br>Pune. 21 to 23 July, 1993.  | Harappan Settlements of North<br>Gujarat.  |
|    |                | Global Conference on 'Rock Art' Indira Gandhi,<br>National Centre for the Arts, New Delhi,<br>29.11.93. to 7.12.1993.  | Role of Rock Art in Indian<br>Prehistory.  |
|    |                | First RASI Congress on rock Art. Rock Art Society<br>India, Dayalbagh College Agra, 9 to 12 December   | Rock arts of Gujarat A Regional<br>Study.  |
| 2. | Patel K.H.     | Music & Musicology of India organized by Sangit<br>Nriya Natak Academy of Gujarat, Gujarat<br>Vidyapith Ahmedabad 26th-27th Feb., '94.   | Ethnomusic (Folk-music) and the<br>Indian Classical Music. The<br>impact on each other   |
| 3. | Ajithprasad P. | Indian Society for Prehistoric and Quaternary<br>Studies (ISPQS) XXI Annual Conference of the<br>ISPQS.<br><br>Rohilkhand University Barielly, 4 to 6th Dec., 93.<br><br>Deccan College, Pune. | Acheulian culture of the Sukhi<br>Valley : A Preliminary Report.<br><br>Otoliths and the Mesolithic<br>Culture of north Gujarat.<br><br>Harappa Culture and North<br>Gujarat : A Regional Model. |
| 4. | Krishnan K.    | Seminar on the Harappans in Gujarat. Depart-<br>ment of Archaeology, Deccan College, Pune.<br>21 to 23 July, 1993.   | Fabric characterization of Indus<br>Valley Pottery from Gujarat.   |

**Department of History**

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|----|---------------|--|--|
| 1. | Hasan Mahmoud | Indo-French Int. Seminar on Medieval Indian<br>Culture : Indo Persian Context<br>Centre for Historical Studies School of Social<br>Sciences, JNU, N. Delhi, 14-16 Feb. 1994. | Persian Lexicographical<br>Tradition in medieval India.  |
| 2. | Shah R.J.     | Seminar on "Sayajirao III : The Man and his<br>Times" held on 11-12th March, 1994 in the<br>Dept. of History   | The Judicial Administration<br>during Sayajirao III.   |
| 3. | Bajpai G.     | U.G.C. Seminar on Village Records and Archives<br>Gujarat Vidyapith, Ahmedabad, 24-26 Jan. 1994.   | Village records and Historical<br>Reconstructions Case Study of<br>Pethad in the 19th Century. |

**Department of Philosophy**

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| 1. | Vyas N.J.      | Seminar on Distinctive Features of Sastras at<br>Deptt. of Sanskrit, M.S. Uni. Baroda. 17th-19th<br>March, '94                        | The Idea of Anishwar in<br>Samkhya Shastra |
| 2. | Nighoskar Y.G. | "Heterodox Schools of Indian Philosophy" Depart-<br>ment of Sanskrit, Arts, M.S. Uni. Baroda-Arts<br>Faculty 18th to 20th March 1994. | Vignanavada of Buddhism                    |

**Department of Sociology**

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|----|------------|--|---|
| 1. | Patel P.J. | Methodology Seminar-Deptt. of Sociology- M.S.<br>University, Baroda August 14, 1993. | Determinants of Class Conscious-<br>ness : an Empirical Study |
|----|------------|--|---|

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|------------------------------------|---|--|
| 2. Rajaram N.                      | Methodology Seminar-Dept. of Sociology-M.S. University, Baroda, May 5, 1993.  | Design and Operation of Political Process in Cotton Co-operatives of Central Gujarat |
|                                    | Seminar on "National Integration" Rajiv Gandhi National Institute of Youth Development-New Delhi 6 & 7 Sept. 1993.  | National Integration : Present Challenges  |
|                                    | "Backward Classes" XX All India Sociological Conference Mangalore, Dec. 29-31, 1993.  | "The Patidar Factor in Co-operatives of Gujarat                                      |
| 3. Choondwat P.S.                  | Methodology Seminar, Dept. of Sociology, M.S.U. Baroda, September 11, 1993.   | Changing Patterns of Leisure and Recreation among the Ex-Jagirdars of Rajasthan      |
|                                    | W.L.R.A. World Congress on Leisure, Tourism and Environment : Issues for Human Development jaipur, December 6, 1993.  | Changing Patterns of Leisure and Recreation Among the Ex-Jagirdars of Rajasthan      |
| 4. Shah R.P.                       | Methodology Seminar, Dept. of Sociology, M.S.University, Baroda, January 28, 1994.  | "Caste Association"  |
| <b>Department of Economics</b>     |   |  |
| 1. Kothari V.N.                    | Seminar on Indian Economy in the Decade of Eighties, Department of Economics, M. S. University of Baroda, 25-26 March, 1994.  | Nature of Growth of Indian Economy during the Decade of Eighties                     |
| 2. Pandya N.M.                     | Seminar on Indian Economy in the Decade of Eighties, Department of Economics, M. S. University of Baroda, 25-26 March, 1994.  | India's Balance of Payments in the 1980's  |
| 3. Rede L.A.                       | 23rd Gujarat Economic Conference. Faculty of Arts, The M. S. University, Baroda, 14th-15th April, 1993  | Gujarat State Finances.  |
|                                    | Seminar on Changing Role of Women in Economic Development : Indo-Canadian Perspective. Dept. of Business Economics, Faculty of Commerce and UGC Centre or Canadian Studies, Faculty of Arts, The M. S. University of Baroda, 26th-27th February, 1994 | Accounting for Women's Work.   |
| 4. Nanavati A.U.                   | 35th Annual Conference of Indian Society of Economicists, Gandhi Labour Institute, Ahmedabad, 21-23 January 1994.   | Development Strategy & Scientific & Technical manpower Planning Issues in India.     |
| 5. Nanavati A.U. with Joshi S.     | Changing Role of Women in Economic Development : Indo Canadian Perspective. Dept. of Business Economics Centre for Canadian Studies M. S. U & Indian Association for Canadian Studies, Baroda 26th-27th Feb., 1994.                                   | Agenda Based Earning Differentials and Inequality in Canada                          |
| 6. Nanavati A.U. (with Patel B.C.) | Seminar on Indian Economy during the Decade of Eighties, Dept. of Economics, M. S. U. Baroda 25 & 26th March, 1994.   | Causality between Investment in Tertiary Sector and National Income                  |

7. Bishnoi T.R. Indian Economy During the Decade of Eighties A UGC Seminar by Department of Economics, M. S. University of Baroda, Baroda. 25th and 26th March 1994. Recent Decline in Saving Ratio in Indian Economy : Some Hypotheses. Fine Tuning of Monetary Policy Creates Economic Fluctuations : Some Empirical Evidence from Indian Economy Since 1970.

#### Department of German

- Chauhan M.S. Reception to Zunge Zeigen of Guenter Grass Department of German, University of Bombay, Bombay, 4.10.1993 Zunge Zeigen Wozu

#### Department of Political Science

1. Mohite D. Conference of Indian Association of American Studies Goa, 1993 Post-Cold War : U.S. Policy in South Asia  
Conference of Indian Association of American Studies Lucknow, March 1994 United States and India : The New Equations.
2. Pantham T. Seminar on "Gandhi and the Present Global Crisis, organized by Indian Institute of Advanced Study, Shimla, and cosponsored by Nehru Memorial Museum and Library, New Delhi, at New Delhi, 22-25 March, 1994. Postcoloniality in Moral-Political Thought  
Canadian Studies Workshop organised by Centre for Canadian Studies, M. S. University of Baroda, Dec. 1993. Political Philosophy of Charles Taylor
3. Shukul H.C. Refresher Course in Political Science (UGC sponsored - Western Region), Vikram University, Ujjain, 23-28 June 1993  
1. Indian Foreign Policy and its relevance in the post-cold war era.  
2. New Political Equations in Indian Politics  
3. India and the New World Order
4. Patnik S. UGC National Seminar on Geopolitical Parameters of South-Eastern Indian Ocean, Centre for the Study of Geopolitics, Punjab University, Chandigarh, March 18-20, 1993

#### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person	University/Institution and Date	Title of lecture
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#### Department of Gujarati

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|----|--------------------|--|--|
| 1. | Trivedi Harshad M. | Narmad Sahitya Sabha Surat   | બલવંતરાય ઠાકોરની કવિતા                           |
| 2. | Desai L. M.        | Granthgoshthi 15.5.93<br>International Youth Council Guraj 16.12.93. | કવિ વિવેચક હસિત બૂચ<br>ગુજરાતી રંગભૂમિની સમસ્યાઓ |

3. Panchal S.J. M.T.B. Arts-Science College, Surat 28.12.93. સાહીત્યમાં કલ્પન અને પ્રતિક  
Nav Gujarat Arts College, Ahmedabad, 3.1.94 નવલિકા અને માનવ સંવેદના  
Jayendrapuri Arts Science College, Bharuch, બ.ક. ઠાકોરની વિવેચના  
4.1.94.  
Nootan Mahila College, Bombay, 4.2.94 ખેટો-એરીસ્ટોટલની  
કાવ્ય-વિચારણા  
Lokbharati Sandesra Bhawangar, 5.3.94. કાવ્યમાં રૂપક, કલ્પના, પ્રતિક મિથ  
4. Soni R.K. Arts College of Gujarat University Savali રાઈનો પર્વત : કેટલાક પ્રશ્નો  
January '94.

#### Department of Hindi

1. Pathak R.D. Sri Aurobindo Society, Baroda, September 93. Bhavani Bharati a Sanskrit Poem  
by Sri Aurobindo.  
Sri Aurobindo Society, Baroda, October '93. Sri Aurobindo as a poet of  
Nature.  
Sri Aurobindo Society, Baroda, November '93. Sri Aurobindo as a poet of  
Nature  
Sri Aurobindo Society, Baroda, November '93. Sri Aurobindo as a poet of  
Nature  
Sri Aurobindo Sadhana Kendra vallabh  
Vidyanagar, 29th March, '94. Sri Aurobindo A Poet of Nature  
2. Desai P.K. All India Radio : Baroda - Ahmedabad, 13.9.93. हिन्दी काव्यपाठ

#### Department of English

1. Kar P.C. Utkal University, Bhubneshwar, English Dept. English Studies in India.  
April 30, 1993.  
Academic Staff College, Marathwada University, Delivered Six Lectures on "Post-  
Aurangabad, 9-12 August '93. Structuralist Criticism.  
Forum on Contemporary Theory Baroda, New Historicism  
August 21, '1993.  
Department of English, Utkal University, New Historicism  
Bhubneswar, Sept. 3, 1993.  
Department of English Ravensshaw College, Post-modernist Fiction  
Cuttack, Orissa.  
Academic Staff College Marathwada University Delivered Six Lectures on  
Sept 27 October 1993. American Literature : History &  
Context  
Department of English, S.P. University, Vallabh Delivered Six Lectures on  
Vidyanagar, 19-21 October, 1993 Contemporary Critical Theory.  
Academic Staff College, University of Musore, Delivered Five lectures on New  
26-29 October, 1993. Literature in English.  
Canadian Studies Centre, M. S. University, Modernism  
January 1, 1994

- Seminar on New Literature Dept. of English, M. S. University January 4, 1994.
- Academic Staff College, Rajasthan University, Jaipur 11-13, January, 1994.
- Academic Staff College Goa University, 14-19 February, 1994.
- Academic Staff College, Saurashtra University 18-19, March '94.
2. Salat M.F. Academic Staff College, Goa, 8-9 November, '93
- Academic Staff College, Goa, 8-9 November, '93
- Department of English Bhavnagar University 25-27, November, 1993.
3. Pandya S.P. Centre for Canadian Studies M. S. University of Baroda. II Workshop in Can-Studies. Dec. 28-Jan 22 '94.
- Kansagara College for Women, Rajkot, Jan. 29, '94.
- Literature and Philosophy
- Delivered Five on Modern Critical Theory.
- Delivered Seven Lectures on Criticism and Theory.
- Delivered four lectures on contemporary criticism.
- Rudy Wiebe's *The Temptations of Big Bear*.
- Hugh MacLennan's *Two Solitudes*.
- 5 Lectures on John Dryden's *Absalom and Achitophel*.
- South Asian Writers in Canada.
- Immigrant Writing
- Department of Sanskrit, Pali & Prakrit**
1. Nanavati R.I. P.G. Deptt. of Sanskrit, S.P. University, Vallabh Vidyanagar. 21 Feb. - 8 March '94.
- Six lectures on Ramayana : Story Interpolations, Political Elements, Literary Form Style, Dialogues.
- Two Lectures on *Nighantu-Nirukta* : Their Relation, Form, Purposes, Linguistics, Principles.
- Five Lectures on *Kavyaprakasha*.
2. Deshpande U.S. Shri Vallabh Sewa Samaj, Baroda. 11.4.93.
- Nandikeshwar Trust Gujarat, 13.6.93, Baroda.
- Sanskrit Sewa Mandal Baroda 22.8.93.
- Collectorate Baroda 7.9.93.
- Alembic School, Baroda 14.9.93.
- Shri vallabh Sewa Samaj, 19.9.93
- Granth Goshthi Board, 4.12.93.
- Primary Education Baroda, Baroda 16.12.93
- વજ્રભ સંપ્રદાય દ્વારા કુટુંબ અને રાષ્ટ્રની સેવા
- National Integration and Harmony Through Sanskrit Texts on Indian Philosophy.
- Beauty of Sanskrit
- ગુજરાતી ભાષા ભંડોળ
- Swami vivekananda
- Different Facts of the Personality of God Shri Krishna.
- Abhanga-Gatha of Tukaram
- Methodology of Teaching Sanskrit at Primary level.

- Senior Citizens' Association Baroda Dec. '93 and Jan. '94. Bhagwada Geeta for well being of the Family and Society
- Sanskar Mandal, Baroda 6.3.94. Samartha Ramdas.
- Swadhyaya of Shri Rangavdhoot Parivar in Baroda On All 2nd and 4th Saturdays. Literature of H.H. Shri Vasudevananda Saraswati Swami Maharaj.
3. Pandya B.P. Academic Staff College, Saurashtra University, Rajkot. Purana Svarupa, Laksana and Parampara.
- Department of Sanskrit, Saurashtra University, Rajkot 11th & 12th February, 1994. श्रीमद्भागवतनुं पुराण तरीके मुल्यांकन
- Antararshtriya - Pustimargiy Vaishnav Parishad Baroda. Every Thursday from 6.2.94 Vallabhacharya Suddhadvaita Vedanta
- Kalyanrayaji Temple, Bajwada, Baroda. Every Saturday from 1.5.93 On Sodass Granthas of Vallabha charya
- Senior Citizens Association Baroda Contribution of Vallabha sect to family and country.
4. Joshi L.M. Yoga-Niketan Sir Sayajirao Diamond Jubilee Trust, Baroda. 3rd December, 94 to 10th March, 94. 20 Lectures on Patanjali Yoga sutras.
- Department of Marathi**
1. Vaidya G.L. All India Radio, Baroda. Madhav Julian a Romantic Poet.
2. Kamat M.G. All India Radio, Baroda. 13.2.1994. संत साहित्याचा मराठी वाङ्मयावरील परिणाम
- Department of Archaeology and Ancient History**
- Sonawane V.H. Centre of Prehistoric studies and Museum at the cave site-pech Merle, Cabrerets, France. 8.6.1993. Pre and Protohistoric Archaeology of Gujarat.
- Department of History**
1. Mahmud Hasan S. Nehru Yuvak Kendra, New Delhi, 14.9.93 Communalism and Mod. Indian Historiography.
2. Iftekhar Ahmad Shreyas School, Baroda. Communalism.
3. Shah R.J. Vallabh Vidyanagar Sardar Patel University, 29-29 September, 1993. Modern European History
4. Bajpai G. S.P. University, Dept. of History, Vallabh Vidyanagar 15 to 29 March, 1994. Lectures on Historiography and Peasant Movement
5. Pandor G.A. Dept. of History Sardar Patel University 15 & 16th Feb. 1994. History of Modern Europe.
- Department of Philosophy**
1. Vyas N.J. Sir Sayajirao Diamond Jubilee Yoga Niketan Four lectures on Samkhya
2. Nighoskar Y.G. Faculty of Fine Arts 5.2.1994. Systems of Indian Logic

**Department of Sociology**

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|---------------|--|---|
| 1. Patel P.J. | Academic Staff College Lucknow University,<br>U.P. 15-18 Sept., 1993.              | Six talks on Indian Society :<br>continuity & Change.   |
|               | Dept. of Sociology North East Hill University,<br>Shillong, Meghalaya, 19.11.1993. | Indian Sociology  |
|               | Department of Sociology, Dibrugarh, University,<br>Assam, Nov. 22-24, 1993.        | Three talks on (i) Industrial<br>Relations in India, (ii) Indian<br>Society Tradition and Modernity<br>(iii) Caste and Casteism in<br>Contemporary India. |
|               | Academic Staff College Lucknow University, U.P.<br>February 2 to 4, 1994.          | Six talks on Changing Instituti-<br>onal structure of Indian Society.   |
|               | Baroda Study Group, Baroda 8.2.94.   | The problem of Ethnicity.   |
|               | Centre for Advance Study in Education M.S.U.,                                      | University Governance   |
| 2. N. Rajaram | Rotary Club of Jawaharnagar West Baroda,<br>29.7.1993                              | Gave talk on Cotton Co-opera-<br>tives in Gujarat : A Sociological<br>Perspective.  |

**Department of Economics**

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| 1. Shah Maya        | Department of Economics Saurashtra University<br>Rajkot, 22 & 23 Sept. 93.   | Monopolistic Competition<br>Theory of Oligopoly.   |
|                     | Foundation level programme for newly promoted<br>JMGS organised by Staff Training Centre State<br>Bank of India, Baroda, 23.10.93. | Planning in India & The Chaning<br>Economic Scenerio   |
|                     | WHODSIC, Home Science Faculty, M. S.<br>University, Baroda, 29 Aug., 1993.   | Methodology for Analysing<br>Discrimination against Women<br>in Fisheries in India.                                |
|                     | II Workshop of Canadian Studies, Centre for<br>Canadian Studies, M. S. University Baroda,<br>20.1.93.                              | Issues Regarding Immigrants in<br>Canadian Labour Market.  |
|                     | Railway Staff College, Baroda<br>6.10.93 & 3.12.93.  | Delivered two Lectures   |
| 2. Oza D.K.         | Railway Staff College, Baroda, Sept. '93.  | Growth, development & Plan-<br>ning in the Indian Economy.   |
| 3. Nanavati Arti U. | Railway Staff College<br>1. 21st Sept., '93.<br>2. 12th Oct. '93.<br>3. 23rd to 26 Dec.  | Basic Economic Concepts<br>Elasticity concepts in Transport<br>Infrastructure Centre Study<br>Financial Relations. |
|                     | Centre for Canadian Studies M.S.U. Baroda.<br>Workshops of Canadian Studies (28 Dec. to<br>22nd Jan.) 18 Jan. '94.                 | Economic Characteristics of<br>Canada & their relevance to<br>Indian Economy.                                      |

**Department of Political Science**

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|--------------|--|---------------------|
| 1. Mohite D. | Schloss Leopoldskron, Salzburg, Austria 1994 | America of Our Time |
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2. Pantham T. McGill University, 25 October 1993  
Department of Art History, Faculty of Fine Arts,  
M. S. University of Baroda, 12 February 1994  
Dept. of Political Science, University of  
Hyderabad, 16 March 1994
3. Shukul H.C. Railway Staff College, Baroda 28.12.93 to  
2.1.94
4. Patnaik S. Refresher Course in Political Science (UGC  
sponsored - Western Region), Vikram University  
Ujjain, June 1993
- Workshop on Canadian Studies, organized by  
Indian Association of Canadian Studies,  
M. S. University of Baroda, January 1, 1994
- Gandhi and Modernity  
Philosophical Hermeneutics  
The Moral-Political Thought of  
Mahatma Gandhi
1. Indian and the International  
System  
2. Indian Foreign Policy : Then  
and Now
1. International Relations, the  
Master Discipline : A  
Dialogue with Aristotle  
2. Theoretical Perspectives in  
International Relations
- Aspects of Canadian Federal  
System

#### V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS, ETC.

Sr. No.	Name of the Person	Programme, Place and Date(s)	Capacity in which participated
<b>Department of Gujarati</b>			
1	Trivedi H.M.	Workshop on Bharatiya Sahitya Mimansa at Tithal on 11th and 12th December 1993. Seminar on Prof. B.K. Thakori His Personality, Poetry and Criticism, M. S. University of Baroda 19-20 March 1994.	President of Gujarati Adhyapak Sangh Organizer, Chairperson and Participant
2.	Dave S.M.	Seminar on Prof. B.K. Thakori His Personality, Poetry and Criticism, M. S. University of Baroda 19-20 March 1994.	Director
3.	Desai L.M.	Workshop organized by Gujarat Sangit Natak Akadami, Faculty of Performing Arts, Vadodara, Municipal Corporation & Trivedi Vichar Goshthi Faculty of Performing Arts, Baroda 25th to 27th March 1994. Seminar on Prof. B.K. Thakor : His Personality, Poetry and Criticism M.S. University, Baroda 19-20 March, 94.	Resource Person
4.	Parmar J.L.	Seminar on Prof. B.K. Thakor : His Personality, Poetry and Criticism M.S. University, Baroda 19-20 March, 94.	Participant
5.	Pandya S.N.	Seminar on Prof. B.K. Thakor : His Personality, Poetry and Criticism M.S. University, Baroda 19-20 March, 94.	Participant

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| 6. | Dalal B.R. | Seminar on 'Creativity' conducted by Gujarati Dept. University of Bombay, 5th 6th Sept. 1993.                 | Participant |
|    |            | Convention of Adhyapak Sangh at Sanosara Saurashtra, 6th March '94.   | Participant |
| 7. | Baxi A.M.  | Seminar on Prof. B.K. Thakor : His Personality, Poetry and Criticism M.S. University, Baroda 19-20 March, 94. | Participant |

#### Department of Hindi

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|----|-------------|---|-----------------------|
| 1. | Pathak R.D. | Seminar on : "Research Methodology" organised by Hindi Sahitya Akadami, Gujarat State at Dept. of Hindi, Faculty of Arts, 19 & 20th March 94. | Host                  |
| 2. | Jha P.N.    | Seminar on research Methodology organised by Hindi Academy Gujarat State 19-20th March '94.   | Conducted one session |

#### Department of English

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|----|----------------|--|--------------|
| 1. | Parikh B.A.    | Seminar on "Teaching of English Literature and Languages" organised by the Dept. of English M. S. University of Baroda, British Council Division, Bombay held at the Dept of English, Faculty of Arts, Vadodara, April 8-10, 1993. | Participant  |
|    |                | Workshop on <i>Creative writing</i> by USEFI and Dept. of English, M.S. University, Dec. 27, 1993 to Jan. 11, 1994.  | Participant  |
|    |                | Symposium on <i>Indian Immigration to Canada</i> at the UGC Centre for Canadian Studies, M. S. University of Baroda, Vadodara, 3.3.1994.   | Participant  |
| 2. | Salat M.F.     | Seminar on Teaching of English Literature and Language, M. S. University of Baroda, 8-10 April, '93.   | Participant  |
| 3. | Pandya S.P.    | Seminar on Teaching of English Literature and Language, British Council - MSU (Baroda) April 8-10, 1993.   | Participant  |
|    |                | Workshop on Teaching Creative Writing MSU, Baroda, Dec. 27 - Jan 11, 1994.   | Participant  |
|    |                | Commonwealth Literature Seminar (MSU Baroda) on New Literatures in English and English Studies Jan 3-6, 1994.  | Participant  |
| 4. | Sylvester S.P. | Workshop on Teaching Creative Writing : A Creative Approach Dept. of English, M. S. University Baroda 27.12.93 to 11.1.94.   | Co-Ordinator |
| 5. | Dakorwala N.K. | Workshop on Teaching Creative Writing : A Creative Approach Department of English, Faculty of Arts, M. S. University of Baroda, From 27.12.93 to 11.1.94   | Participant  |

6. Mehta U.A. Seminar on New Literature in English & English Studies, Retrospect & Prospect - January 3rd to 6th '94 in Dept. of English, Faculty of Arts. M.S.U. Baroda. Participant
- Workshop on Teaching Writing A Creative Approach 27th Dec. 93 to 11th Jan, 1994 in Dept. of English, Faculty of Arts, M.S.U. Baroda. Participant
7. Bhatt S.A. English Language Teachers Association - Gujarat Chapter Seminar - In Sept. 1993 At the M. S. University. Paper Presentation cum Demonstration
- Workshop on Teaching Creative Writing M. S. University Dept. of English Conducted by USIS. Dec. 27, 1993 to Jan 11, 1994. Participant

#### Department of Sanskrit, Pali & Prakrit

1. Nanawati R.I. Seminar on Vishnupurana & Markandeyapura (29-31 July 1993) Organised by Oriental Institute Centenary Celebration Committee. Joint Secretary of the O.I.C.C. Committee
- Seminar on Higher Criticism on Valmiki Ramayana (25-27 Jan '94). Joint Secretary of the O.I.C.C. Committee
- Seminar on Distinctive Features of Different Sects/Schools/Branches of Sanskrit Shastras (18-20 March 1994) Deptt. of Sanskrit, Pali & Prakrit, M. S. University, Baroda. Director
- Seminar on "Relevance of Bhagvadgita Today (29 Jan 1994) St. Xavier's College, Ahmedabad & Sanskrit Seva Samiti, Ahmedabad. Vice-President, Sanskrit Seva Samiti
2. Joshi L.M. Workshop on Astrology 8th August '93, Vanijya Bhavan, Race Course, Baroda. Resource Person

#### Department of Linguistics

- Suthar B.K. National Seminar-cum-Workshop on Lexical Typology, Hyderabad, January 20 to February 3, '94. Participant

#### Department of Archaeology and Ancient History

1. Sonawane V.H. Workshop on 'Bhimbetka' Bhimbetka (M.P.) 27.2.1994. Speaker
2. Ajitprasad P. Seminar on the Harappa Culture in Gujarat, at Deccan College, Pune, 21-23 July, '93. Participant
3. Saji Thomas Workshop on the Applications of Computer Techniques in Archaeology at Deccan College, Post-Graduate and Research Institute, Pune Maharashtra From 1 June to 28 July '93. Participant

**Department of Sociology**

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|----|------------|---|-----------------|
| 1. | Desai B.S. | Seminar on "Changing Role of Women in Economic Development Indo-Canadian Perspective" Organized by Dept. of Business Economic, Faculty of Commerce, M.S.U., Baroda, Feb. 26 & 27, 1994.     | Participant     |
|    |            | Seminar on "Empowerment of Women for Educational Leadership" Organized by the Department of Educational Administration, Faculty of Education & Psychology, M.S.U., Baroda Feb. 11 & 12, 94. | Participant     |
|    |            | Seminar on "Religion & Women" Organized by Department of Education Extension, Faculty of Home Science, M.S.U., Baroda Feb. 25, 1994.  | Participant     |
|    |            | World conference on "Women & Wealth Generation" Organized by Baroda Management Association, January 28-29, 1994.  | Participant     |
| 2. | N. Rajaram | Workshop on "Communalism & Women" organized by Women's studies Research Centre, M.S.U., Baroda April 17, 1994.  | Resource Person |
|    |            | Seminar on "An Exploration in the Nature of Education as an Area of Study" CASE-MSU Baroda August 27-28, 1993   | Resource Person |
|    |            | Inservice Training Programme for Newly Appointed Lecturers of MSU. CASE-MSU, Baroda December 21, 1993.  | Resource Person |
|    |            | Seventh Refresher Course, Academic Staff College Gujarat University, Ahmedabad, 22.3.1994   | Resource Person |
| 3. | Shah R.P.  | Seminar on "Families in transition : Issues and Challenges" organized by the Department of Home Management, Faculty of Home Science, M. S. University Baroda, March 29 to 31, 94.           | Participant     |

**Department of Economics**

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|----|---------------|---|---------------------|
| 1. | Kothari V.N.  | Workshop on ongoing Doctoral Research in Economics in Gujarat, Dr. D.J. Lakdawala, Felicitation Fund Trust, Ahmedabad, January 7, 94. | Expert              |
| 2. | Pandya N.M.   | Dept. of Economics, Bhavnagar University, Bhavnagar for two weeks in October 1993, (12th October to 26th Oct. 93)                     | UGC Visiting Fellow |
| 3. | Nanavati A.U. | Workshop on Course formation in Canadian Studies, University of Delhi 1-3rd April, 1993.  | Participant         |
| 4. | Naik U.M.     | Winter School, Centre For Development Economics, Delhi School of Economics, Delhi - 110 007.  | Participant         |

**Department of German**

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|  | Natarajan M.K. | UGC Refresher Course CIEFL, Hyderabad, 6.9.1993 to 25.9.1993 | Speaker |
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**Department of French**

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|--------------|--|-------------|
| Anugraham A. | Workshop on Creativity Organized by 'Alliance transaise' de Bombay and 'Bureau de Co-operation Linguistique at Educative de Bombay 4th & 5th December, 1993. | Participant |
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**Department of Library and Information Science**

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|----------------|--|-------------|
| Rajaram Shyama | Live Demonstration cum Seminar on Library Management Software, Baroda, 6th August 1993 organised by VALIC. | Participant |
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**Department of Political Science**

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|----|------------|--|---|
| 1. | Mohite D.  | Workshop on Regional Conflict, Centre for International Co-operation and Security Studies, University of Wisconsin, Madison, U.S.A.  | Visiting Fellow                         |
|    |            | Workshop on U.S. Government and Foreign Policy, Department of Civics and Politics, Bombay University   | Participant                             |
| 2. | Pantham T. | Workshop on Status Reports in Political Science sponsored by the UGC Panel on Political Science Punjab University, Chandigarh, December 4-5, 93  | Participated as Member of the UGC Panel |
|    |            | UGC, New Delhi : DSA Review Committee (Political Science) Meetings to review the DSA Programmes of Jadavpur, Calcutta and Delhi University 10 Aug. 93, 3 May 1993, 10 Aug. 1993 and 23 February 1994 | As member of the UGC review committees  |
|    |            | School Board (SOcial Sciences), University of Hyderabad, March 17, 1994  | Attended as Nominated Member            |
| 3. | Patnaik S. | Symposium on Ideas and Foreign Policy in Post-Cold War World, Centre for the Study of Developing Societies, Delhi, March 31, 1994  | Invitee                                 |

**VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :****(A) Teachers (B) Non-Teachers (C) Students**

Sr. No.	Name of the Recipient Teacher/Non-Teachers/Students	Designation of the Award
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**Department of English**

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| Devi G.N. | Central Sahitya Akademi Award for <i>After Amnesia</i> in the category of books in English Language |
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**Department of Archaeology and Ancient History**

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| Sonawane V.H. | Hari Ohm Ashram Prerit Bhaikaka Inter University Smarak Trust Award for the best Research paper published during the year 1992 in the subject of History & Archaeology |
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**Department of History**

Mahmoud H.S. Visiting Professor at Maison Des Sciences Del 'Homme, Paris (France) May-June 1993.

**Department of Sociology**

Patel P.J. Charles Wallace Trust Fellowship by the Centre of Indian Studies, University of Hull, U.K., for the year 1994.

**Department of Political Science**

Pantham T. Visitor's Nominee on Committees (Social Sciences) of J.N.U., New Delhi

Member of UGC Panel on Political Science

Invited to the meeting of the National Consultation Committee on Communal Harmony and National Unity, Dept. of Youth Affairs, Govt. of India, New Delhi, 24 September, 1993.

Received a Faculty Research Award from the Shastri Indo-Canadian Institute for a five-week visit to McGill University October/November 1993

## Faculty of Science

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Chemistry</b>			
	Bhattacharya, P.K.	A Chapter on Copper proteins and their various roles in biological system	Facets of coordination chemistry World Scientific Publishers, Singapore 1993
<b>Department of Statistics</b>			
1.	Sreehari, M. (Editor)	Prof. C.G. Khatri Memorial Volume of Gujarat Statistical Review.	Gujarat Statistical Association, 1993.
2.	Gandotra M.M. Desai G.	Determinants and Consequences of Induced Abortion—A CONCEPT PAPER	Population Research Centre, Baroda.
<b>(B) MIMEOGRAPHED REPORTS</b>			
1.	Dey D. and Dey A.	Strategies of Development to Roack Replacement level fertility; an Exploratory level Analysis.	Population Research Centre, Baroda.
2.	Dey D.	Differentials and Determinants of Age at Marriage of Females in Kerala.	Population Research Centre, Baroda.

### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal wherein published and Date of Publication
<b>Department of Bio-Chemistry</b>			
1.	Begum R., Koshy Reerja & Sengupta A.	Effect of homoeopathic drugs plumbum and opium on experimentally induced lead toxicity in rats.	Indian Journal of Experimental Biology (1994) 32, 192-195
2.	Nareshkumar G.	Paradoxes in the Evolution of Introns and Genes.	Current Science 66 (5) 336-339 (1994).
<b>Department of Botany</b>			
1.	Oza G. M.	Editorial-UNEP-Two Decades of Environmental Dedication. Editorial-Poverty and Environment : Breaking the Vicious Circle.	Environmental Awareness 16(1) : 1-4. Ibid 16(2) : 41. 1993.

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|-----|--|---|
|     | Editorial—Population growth reduces food consumption.      | ibid6 (3) : 81-83. 1993   |
|     | Are Cranes "Dancing on the Brink" ?                        | Environmental Conservation 20 (2) : 172, fig. 1.  |
|     | Editorial—Why Harvest Nature's diversity ?                 | Environmental Awareness 16 (4) : 121-123. 1993.   |
|     | Conservation Action—1994 : National Biodiversity Alliance. | ibid. 16 (4) : Fourth Cover 1993.   |
|     | Global Distinction for INSONA's Environmental Awareness.   | Environmental Conservation. 20 (3) : 272, 1993.   |
|     | Oil-spill endangers Wildlife.                              | ibid. 20 (3) : 276-7. 1993.   |
|     | Last Chance to Save Olive Ridley Sea turtles in India ?    | ibid. 20 (4) : 367. 1993.   |
| 2.  | Oza G.M. & Oza, Premlata                                   | International Conference on Environmental Education in the Commonwealth held at the University of Bradford, Bradford, England, UK, during 18-23 July, 1993.               |
| 3.  | Oza G.M.   | Editorial—P. Diversity for posterity.   |
|     |  | Environmental Awareness 17 (1) : 1-3. 1993.   |
| 4.  | Oza G. M. and Pandya, T.M.                                 | Role of NGOs in Generating Awareness for Biodiversity Conservation.   |
|     |  | ibid. 17 (1) : 36. 1993.  |
| 5.  | Oza G. M. and Pandya, T.M.                                 | Foundation for Sustainable Livelihood and Conservation of Nature.   |
|     |  | ibid. 17 (1) : 37-8. 1994.  |
| 6.  | Pandya M.A. & Rajarathinam K.                              | Efficacy of <i>Azolla pinnata</i> R. Br. as a bio-fertilizer to paddy variety IR-28.  |
|     |  | Prof. S.C. Verma Commemorative Volume (II) Edited by K.K. Dhir, 1993.   |
| 7.  | Shah, T. and Prathapasenan, G.                             | Effect of COC on shoot growth modulation, nitrogenase activity and contents of nitrogen, sugars and starch in mung bean ( <i>Vigna radiata</i> (L) Wilezele var. Guj. -2. |
|     |  | Biochem. Physiol. Pflanzen June, 1993.  |
| 8.  | Geetha, K., Umadevi, I. & Daniel M.                        | Primulales—a reassessment of the taxonomy and phylogeny of the group.   |
|     |  | Fedder Reportorium 104 (1-2) May, 1993.   |
| 9.  | Umadevi, I. and Daniel M.                                  | Chemotaxonomic studies of some Indian members of the Celastraceae..   |
|     |  | Nat. Acad. Sci. Lett. June, 1993.   |
| 10. | Mangalan, S. and Daniel M.                                 | Chemotaxonomic studies on some Indian Polygonaceae.   |
|     |  | Biome 5. April, 1993.   |
| 11. | Jasrai Y.T., Yadav N. & Mehta A.R.                         | Somatic Embryogenesis from leaf induced cell cultures of <i>Plantago ovata</i> Forsk.   |
|     |  | Journal of Herbs, Spices & Medicinal Plants 1 : 11-14 (1993).   |
| 12. | Jasrai Y., Mehta A.R. & Bhatt P.N.                         | Protocol for fabrication of in-expensive vertical slab gel apparatus and gel dryer  |
|     |  | National Academy Science Letters 16 : 201-205 (1993).   |

13. Shah, N.R. Shah, R.P. and Arya A. Biodeterioration of Flute, by *Cochliobolus* and *Penicillium*. *Studies in Museology* 26 : 35-37, 1992-93.
14. Arya, A. & Mathew D.S. Studies on rhizosphere microflora of pigeon pea. *Indian Phytopath.* 46 : 39-42, 1993.
15. Mathew, D.S. & Arya, A. Chemical Control of phomopsis rot of chiku. *Geobios New Reports* 12 (2) : 158-160, 1993.
16. Kelavkar, U., Rao, K.S. & Chhatpar H.S. Sodium Chloride induced morphological and Ultrastructural changes in *Aspergillus repens*. *Indiann Journal of Experimental Biology.* June, 1993.
17. Anbazhagan, M. Dipti C.R., Sandhya K.G. & Bhagwat K.A. Responses of Wheat seedling to acid rain. *Indian Botanical Contactor* Vol. 10-43-46, 1993.

#### Department of Chemistry

1. Talele G.G. & Bhattacharya P.K. Synthesis and characterization of homo and heteronuclear alkoxide. *Ind. J. of Chem.*, 31A, 889-891 (1992).
2. Chakraborty D. & Bhattacharya P.K. Electrochemical studies of ternary complexes of Cu (II) with dipeptide or histidine and an amino acid. *Ind. J. Chem.*, 32A, 424-427 (1993).
3. Patel P. & Bhattacharya P.K. Study of formation and stability of binary and ternary binuclear Cu(II) complexes involving L-dopa. *J. Inorg. Biochem.*, 53(1), 57 (1994)
- Solution and Solid state studies of mixed ligand binuclear complexes containing one binucleating ligand. *Canadian J. Chem.*, 71(8), 1253 (1993).
- Stereochemical factors affecting intramolecular interligand interactions in mixed ligand complexes. *Ind. J. Chem.*, 32A, 506-510 (1993).
- Cu (II) binary and mixed ligand binuclear complexes involving histidine as binucleating ligand. *J. Inorg. Biochem.* 53 (1994).
4. Shah A.C., Rehani R. & Arya V.P. Formation of oxygen bridged tetra-hydro-pyridines in the Hantzsch synthesis. *J. Chem. Res. (s)*, 106 (1994).
5. Raja A., Pendyala V.N.S., Xavier S.F., Shah A.C. & Nair K.B. Studies on antioxidants I : Phenolic antioxidants as stabilisers for polypropylene. *Die Angewandte macromoleculare chemie*, 213 (1993).
6. Kamath B.V., Shivram K., Newalkar B.L. & Shah A.C. Liquid chromatographic analysis and degradation kinetics of fanotidine. *J. Liqu. Chromatogr.*, 16, 1007 (1993).
7. Kamath B.V., Shivram K. & Shah A.C. Selective spectrophotometric determination of diltiazem hydro-chlorides in tablets. *J. Pharm. Biomed. Anal.*, 11, 407 (1993)
8. Varghese T.O., Shah A.C., Kamath B.V., Maity A.K. & Xavier S.F. Studies on PVC-Epoxidised polybutadiene Multiphase blends. *Polymer Science, Recent Advances*, Ed. I.S. Bhardwaj, Allied Publishers, New Delhi, 2, 604 (1994).

9. Asaduzaman A.K.M., Rakshit A.K. & Devi S.G. Solution properties of methyl methacrylate acrylonitrile copolymers J. Appl. Polymer Sci., 47, 1813 (1993).
10. Joseph R., Devi S.G., & Rakshit A.K. Synthesis and characterization of homopolymers and copolymers of various acrylates and acrylonitriles. J. Appl. Polymer Sci. 50, 173 (1993).
11. Ajith S. and Rakshit A.K. Properties of mixed lakane microemulsions J. Surf. Sci. and Tech., 8, 137 (1992).
12. Joseph R., Vangani V. Devi S.G. and Rakshit A.K. Studies of absorption of polyacrylonitrile and polyacrylates at solid/liquid interface. Coll. Polym. Sci., 272, 130 (1994).
13. Joseph R., Devi S.G. and Rakshit A.K. Structural and surface characteristics of acrylate acrylonitrile copolymers Polymer Science, Recent Advances, Ed. I.S. Bharadwaj, Allied Publishers Ltd., New Delhi, 1, 338 (1994).
14. Ajith S., John A.C. and Rakshit A.K. Physicochemical studies of micro-emulsion Pure Appl. Chem., 66, 513 (1994).
15. Roy S. and Devi S.G. Some studies on Microemulsion polymerisation of MMA and BA Polymer Science, Recent Advances, Ed. I.S. Bharadwaj, Allied Publishers Ltd., New Delhi, 1, 152 (1994).
16. Sathe, S., Srinivasrao G.J. and Devi S.G. Synthesis and characterisation of PP-9 butyl acrylate copolymers Polymer International, 32, 233 (1993).
17. Rajput N., Kadam V. & Devi S.G. Spectrophotometric determination of Copper (II) using supron in presence of Brij 35. Ind. J. Chem., 33A, 88 (1994).
18. Rawal H. & Devi S.G. Compatibility of poly(styrene)/poly (vinyl acetate) blends. Polymer Journal, 25, 1215 (1993).
19. Bedekar A.V., Nair K.B. & Soman R. Thermal vinyl cyclopropane rearrangement : An unexpected aromatization. J. Chem. Res.(s), 1, 52, 1994.
20. Bedekar A.V., Soman R. & Nair K.B. and Kamath B.V. Synthesis of 1, 1-diacetylene-2-(2'-2'-dichlorovinyl) cyclopropane via phase-transfer catalysed intramolecular alkylation. J. Chem. Res(s), 5, 196 (1993).
21. Kamath B.V., Shivram K. & S. Vangani Flow Injection Analysis of formotidine with spectrophotometric detection Anal. Lett., 26, 2183 (1993)
22. Kamath B.V., Shivram K. & Vangani S. Spectrophotometric determination of keterolac Tromethanine by charge transfer and Ion pair complexation Anal. Lett., 27, 103 (1994)
23. Kamath B.V., Shivram K., Oza G.P. & Vangani S. Use of Charge transfer complexation in the spectrophotometric determination of didotena sodium. Anal. Lett., 26, 665 (1993)
24. Kamath B.V. & Shivram K. Spectrophotometric determination of Diclotenac sodium via oxidation reactions Anal. Latte., 26, 903 (1993).
25. Chudgar N.K. & Shah A. Synthesis and study of resogenic compounds Liquid Crystal, 4, 1163 (1993)
26. Newalkar B., Rama H.S., Bhat Y.S. & Halgeri A.B. Kinetics of ethylacetate hydrolysi on mordenite Ind. J. of Chemistry, 32A, 881 (1993)

27. Rama H.S. & Rawat B. Effect of doping on electrical behaviour of Polyaromatic amines  
Polymer Sciences Recent Advances Vol. 1, Allied publishers Ed. IS Bharadwaj, P. 497.
28. Ahmed M.N., John J. & Ram R.N. Kinetics of removal of basic violet 1 from aqueous solution using silica as adsorbent  
J. Environ. Sci., Health A., 28 (7), 1993.
29. Shah J.N. & Ram R.N. Hydrogenation of cyclohexane using polymer supported ruthenium (III) complexes as catalysis  
J. Mol. Catalysis, 83, 67 (1993)
30. Kansara S.S., Patel N.K. & Patel C.K. Synthesis and characterisation of poly (2-methoxycyanurate) of Bisphenol F  
Polymer, 34(6), 1303, (1993)
31. Kansara S.D. & Patel N.K. Mechanical and Thermal properties of poly (2-methoxycyanurate) of Bisphenol F.  
Polymer Sci. Recent Advances Vol. 2 Ed. IS Bharadwaj, 878, (1994).
32. Kulkarni Neelima D. & Upadhyay M.J. A Binuclear manganese complex of a pyridoxal derivative and its use as an oxidation catalyst.  
Transition metal chemistry, 19 (1), 4 (1994).
33. Abid Sugra & Deota P.T. An approved method for preparation of 1,6-di-carboxy-2-hex-3-one  
Org. Prep. Proc. Int., 25, 5579 (1993)
34. Mehta G. & Shah S.R. Further validation of the structure of bockelheidis novel C<sub>18</sub>H<sub>14</sub> hydrocarbon.  
Ind. J. Chem., 32B, 774 (1993).
35. Mehta G., Shah S.R. & Ravikumar K. Towards the design of tricyclopenta (det, jkl, pgn) triphenylene (Sumanene): A Bowl-shaped Hydrocarbon featuring a structural motif present in C<sub>60</sub> Buckminster Fullerene  
J. Chem. Soc., Chem. Commun, 1006 (1993)
36. Sastry G.N., Jemtnis E.D., Mehta G. & Shah S.R. Synthetic strategies Towards C<sub>60</sub> Molecular mechanics and MNDO study on Sumanene and Related Structures.  
J. Chem. Soc., Perkin Trans. 2, 1867 (1993).

#### Department of Geography

1. Rangaswamy, V. & Parizanganes A.H. Environment and Development : A Case study of Tribal Environment of Chota Udaipur Taluka, Baroda District (Guj.)  
Environmental Pollution Perception and Awareness, Ed. B.P. Chaurasia, Chugh Publication Allahabad, India 93.
2. Rangaswamy V. 'Write up on Towns' contributed to Encyclopedia, Gujarat Vishwakosh published 1993  
Gujarat Vishwakosh Trust, H.L. College of Commerce Hostel Compound, Navarangpura, Ahmedabad-380 009.
3. Dash N.R. & Kanchan Rolee Industrialisation and Dynamics of Tribal Development in Madhya Pradesh  
Environment and Management Vol. II Edited RAI et al.
4. Desai Anjana & Rawal Ami U. Growth and decline of small towns in Gujarat—a tale of two towns in Mehsana District  
Urbanisation—Trends; Perspectives and Challenges By Rawat Publications, Jaipur. 93.

#### Department of Geology

1. Patel P.P. Terrain Evaluation for irrigation commands.  
Proc. workshop on Engg. Geomorphology Indian Society of Engineering Geology January, 94.

- Studies on rainwater harvesting in a village group of overexploited ground water area near Vadodara, Gujarat.
- Proc. Workshop on 'Water Management Indian ground-water challenge Viksat/Pacific Inct.. Ahmedabad Dec., 93.
2. Sant D. A. & Karanth V. R. Drainage evolution of the lower Narmada Valley, Western India. Geomorphology (Elevier Science Pub. Amsterdam) Vol. 8, 1993, pp. 221-244.
  3. Karanth Viswanatha R. First International Conference on Geoscience Education & Training, 20-24 April 1993 at Southampton, England. Jour. Geol. Soc. Ind. Vol. 42 (4) p. 421 1993.
  4. Merh S.S. & Chamyal L.S. Quaternary Sediments in Gujarat Current Science, June, 1993.
  5. Chamyal L.S., Sharma, Merh S.S. & Hassan K. Significance of Bank material at Tilakawada in Lower Narmada Valley. Current Science, February, 1994.
  6. Chamyal L.S. & Kaur M. Structural set-up in the northern part of Kumaon Himalaya. Proc. Indian Academy Science (Earth. Planetary Science), March, 1994.

#### Department of Mathematics

1. Patadia J.R. & Vyas R.G. Fourier series with gaps and functions of generalized variation J. of Math. Anal & Appl. 182, (1994) 113-126.
2. Das T.K. A note on maps preserving regular closed sets. Indian J. of Maths 35 (1993).

#### Department of Microbiology & Biotechnology

1. Patel R.N. & Rao K.K. Ultrastructural changes during wood decay by *Antrodiaella* sp RK I World J. Microbiology and Bio-technology (USA) 9, 332-337, 1993.
2. Ingle S.S., Rao K.K. & Chhatpar H.S. In vitro assay for testing the toxicity of *Bacillus thuringiensis israelensis* delta endotoxin using blood agarose plates. J. Appl. Bacteriology (U.K.) 74, 645-648, 1993.
3. Mehta R.D., Shah R.N., Patel S.J., Patel K.A., Rao K.K. & Mehta M.H. *Trichoderma herzianum*, A potential biocontrol agent in the management of soil born plant pathogens Indian J. Mycology and plant pathology, 23, 108, 1993.
4. Shah Samir, Sanyal Indraneel, Rao K.K. & Desai Anjana Isolation of large plasmid from *A. lipoferum* M. : A correlation between presence of plasmid and siderophore production. Advances in plant Biotech Biochem 89-91, 1993.
5. Wankhede S., Rakesh K., Rao K.K., Venubabu P. & Apte S.K. Differential response of cowpea *Rhizobium* (groundnut isolate) to salinity and osmotic stress Proc. of DAE symposium on "Stress and adaptive response in Biological System, Baroda p. 368-373, 1994.
6. Ingle S.S., Shite S., Shah M., Patel B., Rao K.K. & Chhatpar H.S. Effect of salinity and osmotic stress on growth and crystal protein production in *B. thuringiensis*. Proc. of DAE symposium on "Stress and adaptive response in Biological system, Baroda. P. 106-109, 1994.
7. Gandhi J.P., Rao K.K. & Dave P.J. Characterization of extracellular thermo-stable xylanase from *Chaetomium globosum* J. of Chemical Technology and Biotechnology (U.K.) 59, 1994.

8. Kelavkar U.P. and Chhatpar H.S. Polyol concentrations in *Asp. repens* grown under salt stress *World J. Microbiol. Biotechnol.* 5 : 579, 1993.
9. Kelavkar U.P., Rao K.K. & Chhatpar H.S. Sodium chloride stress induced morphological and ultrastructural changes in *Asp. repens*. *Ind. J. Expt. Biol.* 31 : 511, 1993.
10. Kelavkar U.P. and Chhatpar H.S. Relations of enzymes in *Asp. repens* grown under sodium chloride stress *Curr. Microbiol.* 27 : 157, 1993.
11. Bhatt M. & Chhatpar H.S. Studies on chitinase from halotolerant *Asp. repens* *Proc. of DAE Symp. on Stress and adaptive Responses in Biological Systems Baroda.* P. 31-35, 1994.
12. Likhite Varsha, Kelavkar U. & Chhatpar H.S. Studies on salt stress in *Phaseolus aureus* and its associated bacterium *Pseudomonas fluorescens*. *Proc. of DAE Symp. on Stress and adaptive Responses in Biological Systems Baroda* P. 145-150, 1994.
13. Shevde L. & Chhatpar H.S. B-glucosidase from *Asp. repens* *Proc. of DAE Symp. on Stress and adaptive responses in biological systems Baroda,* P. 290-295, 1994.
14. Venu Babu P., Ramani S., Praveen Kumar, Apte S.K. & Chhatpar H.S. Molecular analysis of salinity stress regulated gene expression. *Proc. of DAE Symp. on Stress and adaptive responses in biological systems Baroda,* P. 347-352, 1994.
15. Hanson K.G., Desai J.D. & Desai A.J. A rapid and simple screening technique for potential crude oil degrading microorganism. *Biotechnology Techniques* 7 : 745-748, 1993.
16. Jadhav Rupendra & Anjana Desai Role of siderophore in iron uptake in cowpea *Rhizobium* GN1 (peanut isolate) : Possible involvement of iron repressible outer membrane protein. *FEMS Microbiol. Letts.* 115 : 185-190, 1994.
17. Jadhav R.S. & Desai A.J. Isolation of outer membrane proteins by Triton-X-100 treatment and detection of iron repressible outer membrane proteins from cowpea *Rhizobium*. *Proc. of International Conference of Biotechnology in Agriculture and Forestry* P. 117, 1993.
18. Patel D. & Desai A.J. Microbial degradation of some petrochemical pollutant *Proc. of DAE Symp. on 'Stress and adaptive responses in biological systems' Baroda* (1994) pp. 206, 211.
19. Manjarekar J. Allosteric regulation in search of a role. *Current Science,* 65 : 443-447 (1993).
20. Shah D.N. & Chattoo B.B. Starch hydrolysate, an optimal and economical source of carbon for production of citric acid by *Yarrowia lipolytica* *STARKE* 45 : 104-109, 1993
21. Raval M.R. & Chattoo B.B. Role of media constituents and Proline on regeneration and somatic embryogenesis in *Oryza Sativa* CV indica. *Indian Journal of Experimental Biology* : 31 : 600-603, 1993.

22. Bernardo, M.A. & Naqvi N.I. A rapid method for DNA fingerprinting of the rice blast fungus *Pyricularia grisea*. IRRN : 18 (1) 48-49, 1993.
- Department of Physics**
1. Darji A.B., Patel T.M., Sureshkumar M.B., Shah N.R. and Shah P.M. Estimation of rotational temperature of the source emitting the spectrum of PbO molecule. Pramana-Journal of Physics Vol. 42, No. 1, Jan, PP. 33-40, 1994.
2. Pandya G.R. Growth and Etching of In Bi : Te Single Crystals  
Growth of Te doped InBi single Cryst. by syringe pulling method.  
Electric properties of thin films Se-SnSe<sub>2</sub> eutectic alloy crystals.  
Impurity hardening of InBi Single crystals  
Cryst. Res. and Tech. (1993) No. 2.  
Cryst. Res. and Tech. (1993) No. 6.  
Cryst. Res. and Tech. (1993) No. 3.  
Cryst. Res. and Tech. (1994) No. 1.
3. Desai C.F. & Pandya G.R. Growth of Te doped InBi single crystals by syringe pulling method  
Cryst. Res. Tech. 28 KS7., 1993.
4. Desai C.F. & Siddiqui S. Electrical Properties of thin films of SnSe-SnSe<sub>2</sub> eutectic alloy.  
Cryst. Res. Tech. 28 KS9, 1993.
5. Singh N.L., Agarwal S. & Rao J.R. Excitation function for  $\alpha$ -induced Reactions in light Mass Nuclei  
Canadian J. Physics, 71, 115, 1993.
6. Singh N.L., Mukherjee S. & Rao J.R. Mathematical Analysis of Isobaric Decay Chain in Alpha Particle induced Reactions.  
Pramana-J. Phys. 41, 311, 1993.
7. Nehate A.K., Joshi T.R., Sadhana Rajput, Haresh S. Luminescence and Thermoluminescence study of polyethylene polymer LDPE, LLDPE, HDPE.  
J. of Photochemistry, A. Chem. 74, P. 279, 1993.
8. Patel M.B. & Pandya J.R. "Microhardness of Natural faces of Germany-Gel-grown Ammonium hydrogen-d-tartrate single crystals".  
J. of crys. Res. and Tech., Germany 1994 (Vol. 9)
- Department of Statistics**
1. Sreehari M. On the speed of convergence to a class of Max-stable laws.  
Statistics and Probability. A Raghu Raj Bahadur Festschrift. (1993)
2. Patel J.A. & Patel H.C. On Balanced Sampling design.  
Sankhya, 1994.
3. Kirkire Prashant On the uniform rates of convergence in the central limit Theorem for functions of the average of I.i.d. random variables.  
The Egyptian Statistical Journal, 1993 (December).
- Department of Zoology**
1. Killedar S.J. & Ambadkar P.M. Influence of b-adrenergic agonist and antagonist on certain metabolic processes of submandibular glands of male rats.  
J. Anim. Morphol. Physiol.; Vol. 40, No. 1 & 2; pp. 145-152; 1993.
2. Ambadkar P.M., Killedar S.J. & Raval A.P. Influence of oestrous cyclicity on some aspects of carbohydrate metabolism of the submandibular salivary gland of the albino rat.  
Ind. J. Exp. Bio.; Vol. 32 pp. 89-91.

3. Patil S., Pilo B. & Menon G. Epidermal water permeation in vertebrates : An in vitro study using tritiated water Indian J. Exp. Bio. 31 : 219-223 : 1993.
4. Anoop Kumar B., Sharma A., Paul V.F., Menon J.G. & Pilo B. Effects of ricin on regeneration blastema of lizard, *Hemidactylus flaviviridis*, Ruppel. Ind. J. Exp. Bio. 31 : 632-635 : 1993.
5. Pilo B. & Mehta P.C. Neural and endocrine regulation of glucoseogenesis in the kidney of blue rock pigeon, *Columba livia* A Review. Proc. Zool. Soc. Calcutta 46 : 1-6 : 1993.  
Effect of corticosterone administration on the metabolic activities of kidney of blue rock pigeon (*Columba livia*). Pavo, 31 : 103-108 : 1993.
6. Pilo B., Oommen S., Anoop Kumar B. & Vinod K.R. Studies on birds population in Ahmedabad Air Port : Control measures and management strategies to reduce bird hazards in aerodromes. Pavo : 31 : 83-91 : 1993.
7. Desai Isha V., Suresh B. & Pilo B. Birds of Shoolpaneshwar wildlife sanctuary. Pavo, 31 : 55-72 : 1993.
8. Nene R.V. & Syeda K.N. Glutamate dehydrogenase and glutamine synthetase in glucogen body and appendage-linked and non-linked regions of spinal cord from blue rock pigeon *Columba livia* gmelin. J. Anim. Morphol. Physiol. Vol. 40 pp. 175-180 : 1993.
9. Asnani M.V. & Ramachandran A.V. Roles of adrenal and gonadal steroids and season in urophygial gland function in male pigeons, *Columba livia*. Gen. & Comp. End., 92 : 213-224 : 1993.
10. Ambadkar P.M. & Padate G.S. Seasonal variations in ascorbic acid and cholesterol contents of liver, blood and testes of two species of myna *Acridotheres gingonianus* and *Sturans pagodarum*. Pavo, 31 : 93-102 : 1993.
11. Vachharajani K.D. & Sahu A.P. Excess choline avastatrility : Transient effects on spermatogenesis in the rat. Reprod. Toxic., 7: 477-481 : 1993
12. Naik Y.M. Record of a frog *Kaloula pulchara* (Gray) At Mal-Samot, Bharuch District, Gujarat State. J.Bom. Nat. Hist. Soc., Vol. 90 (2) (2) 1993.  
An unusual case of prolonged metamorphosis in Frog, *Rana cyanophlyotis* (Schneider). J. Anim. Morph. Physiol., Vol 40, No. 1 & 2 1993.  
CELL Gujarathi Vishvakosh.  
Histochemical demonstration of alkaline phosphatase in fammalian diaphragm. The J. Anim. Morph. Physiol., Vol. 12, No. 1, 1965.

### III PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name, Place, Dates of Seminar/Conference etc	Title of Paper
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#### Department of Bio-Chemistry

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|----|--------------------------|--|---|
| 1. | Gupta Sarita & Pandya A. | Recent trends in life science (International) Organiser Dr. S.L.N. Reddy Zoology Dept. Osmania University, Hyderabad Date : 19-22 Nov. 1993. | Lead status in rural, Urban and suburban, Baroda. |
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2. Begum Rasheedunnisa & Joseph Biju International Symposium on recent trends in life science held at Hyderabad November, 19-22, 1993 Hepatoprotective activity of homeopathic drug phosphorus 30 on carbon tetrachloride induced hepatic damage in rats.
- Department of Botany**
1. Oza G.M. International Conference on Environmental Education in the commonwealth, held at the University of Bradford, UK, during 18-23 July '93. Environmental Education in Asia.
2. Pandya M.A. 3rd Conference of Association of Plant Physiologist, Annual SAARC Convention of PGRSI-Plant Physiology and Biotechnology in relation to improving plant productivity. Gujarat University Ahmedabad, Botany Department, 9-11 April, 1993. Mass propagation of ferns through Tissue culture. Ab. 6, 20 page 91.
3. Pandya M.A. & Shrivastava P. National Symposium on Development in plant molecular Biology, and genetic engineering 29-31 Dec. '93. Agriculture University, Coimbatore. In vitro propagation of Madhuca indica Roxb. Ab. PTC 22.
- Annual Conference of IAPTC, at B.H.U. Varanasi 17-19, March 94. In vitro high frequency regeneration of plants in Albizzia lebbek L. Ab. 27
4. Jasrai Y.T. & Christian J.R. 3rd Conference of Association of Plant Physiologists of SAARC countries and Annual Convention of Plant Growth Regulator Society of India at Gujarat University, Ahmedabad. during 9-11 April, 1993. Polyamines and growth reactivation of dormant epiphyllous buds of Kalanchoe.
5. Jasrai Y.T. & Kilaru A. National Seminar on Newer Challenges in Agriculture, Horticulture and Industry : The Role of Physiologist and Biochemist, at University of Agricultural Sciences, Bangalore, 11-13 Jan. 94. Calcium and growth-reactivation of dormant epiphyllous buds of Kalanchoe mortagei.
6. Arya Arun XV International Botanical Congress Yakohama, Japan. Aug.-Sept. 1993. Role of ascorbic acid in inducing resistance to chiku and guava fruit against Phomopsis Spp.
7. Arya Arun & Mathew D.S. XV International Botanical Congress Yakohama, Japan. Aug-Sept. 1993. A new leaf blight of Polyalthia longifolia by Alternaria alternate and its control.
8. Sugumaran R., Sandhya G. & Bedi S.J. National Seminar in priorities and challenges for Air pollution Abatement 1993, Vadodara. Satellite data in vegetation mapping of Baroda city covering mainly polluted areas.
9. Sandhya G. & Bhagwat K.A. The 3rd Conference of APPSC and PGRSI, Ahmedabad, 1993. Phytosociological studies of weeds growing in saline lands of Khambhat taluka delineated using satellite data.
- XV International Botanical Cong. Japan, 1993. Potentials of satellite data in mapping of salinity and its impact on agroeco-system of Khambhat taluka.

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| 10. | Sugumaran R.,<br>Sandhya G. &<br>Rao K.S. | International Seminar on MFP in forestry<br>Dehradun 1993.<br>using satellite data in Matar taluka. | Significance of Minor forest<br>produce in social forestry delineated   |
| 11. | Sugumaran R. &<br>Sandhya G.              | XV International Botanical Cong. Japan,<br>1993.<br><br>GIS 94, Vancour, Canada                     | Vegetational mapping using<br>satellite data in Baroda City.<br><br>Society forestry management using<br>RS GIS approach. |
| 12. | Parekh L.J.                               | Saurashtra University, Rajkot   | Bio-Technology.   |
| 13. | Jani M.D.                                 | K.G. Patel Children Hospital, Karelibaug,<br>Baroda, From : July, 1993 to April, 1994.              | Bio-Chemistry Lectures to Diploma<br>in Medical Laboratory Technology<br>(D.M.L.T.) students                              |

#### Department of Chemistry

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|----|-------------------|---|---|
| 1. | Rakshit A.K.      | International symposium on surface and<br>colloid Science and its relevance to soil<br>pollution and 6th National conference on<br>surfactants, emulsions and biocolloids Madras,<br>March 9-12, 1994.<br><br>Polymer-94, IPCL, Baroda Feb. 8-10, 1994. | Microemuls ions in presence of<br>surfactants and cosurfactants.<br><br>Structural and surface characteristics<br>of acrylate acrylonitrile copolym-<br>ers.  |
| 2. | Devi Surekha      | Polymer '94, IPCL, Baroda, Feb. 8-10, 1994.   | Some studies on microemulsion<br>polymerisation.  |
| 3. | Chudasama Uma V.  | Symposium on "Modern Trends in<br>Inorganic Chemistry" IISC, Bangalore,<br>11th-13th August, 1993.<br><br>National Symposium on catalysis, IICT,<br>Hyderabad, 2nd-4th April, 1993  | Reactivity of $\text{Cu}(\text{NH}_3)_4^{2+}$ sorbed<br>on an Inorgano Organic ion<br>exchanger zirconium phenyl <sup>1</sup> phos-<br>phonate.<br><br>Synthesis characterization and<br>catalytic activity of a new phase of<br>zirconium phosphate. |
| 4. | Chudgar N.K.      | National Seminar on Chemistry of liquid<br>crystal and application, Dept. of Applied<br>Chemistry, M.S. University, Baroda<br>25-26 March, 1994.  | Synthesis of new Mesogen with<br>diazine central linkage.<br>Mesogenic behaviour of 2 methyl 6<br>(4' alkoxy benzoloxy) benzopyran<br>4(H) one Fluorescent mesogens with<br>ester linkage.  |
| 5. | Rama H.S.         | National Symposium polymer '94 on "Polymer<br>Science Recent Advances" IPCL, Baroda, 8-10,<br>1994.   | Effect of Doping on Electrical<br>behaviour of polyaromatic amines  |
| 6. | Ram R.N.          | Polymer, '94, IPCL, Baroda, Feb. 8-10, 1994.  | Hydrogenation of cyclohexane<br>using Ru(III) complex supported on<br>XAD-8 polymer.  |
| 7. | Prajapati A.P.    | Seminar on Chemistry of liquid crystals and<br>application, Dept. of Applied chemistry,<br>M.S. University, Baroda, 25-26 March, 1994.  | -   |
| 8. | Kansara Sujata S. | Polymer '94, IPCL, Baroda, 8th-10th Feb. 1994.  | -   |

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| 9.  | Tandel R.C.       | National Seminar of Liquid crystals, Mysore, 18th-20th Oct. '93.<br><br>National Seminar on Chemistry of Liquid Crystal and Application, Applied Chemistry Dept., M.S. University, Baroda, 25-26 March, '94. | Cholesteryl 4-n-alkoxy-benzoyl-4-amino benzoates<br><br>Mesogenic Homologous series with reverse amide linkage |
| 10. | Shah Shailesh R.  | Fourth National Organic Symposium Trust (NOST) Conference, IIP, Dehradun, 13th-17th March '94.   | Aromatics to polyaromatics with a new perspective  |
| 11. | Murthy C.N.       | Polymers '94, IPCL, Baroda, 8th-10th Feb. '94.<br><br>National Seminar on Chemistry of Liquid Crystal and Applications, Dept. of Applied Chemistry, M.S.U., Baroda, 25-26 March '94.                         | -<br><br>-   |
| 12. | Bhattacharya P.K. | Saurashtra University, Rajkot 1st and 2nd Aug. 1993.<br>Andhra University, Waltain 1st March '94   | Bioinorganic Chemistry<br><br>Electrochemical and catalytic properties of metal complexes.                     |
| 13. | Shah A.C.         | Saurashtra University, Rajkot 28, 29 March '94   | Photochemistry and Alicyclic Reactions.  |

#### Department of Geography

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| 1. | Rangaswamy V.                          | 15th Indian Geographers Meet. Institute of Indian Geographers. Feb. 20 to 22nd, 1994, Raipur. (M.P.)   | -   |
| 2. | De Jayashree & Sinha H.                | XV Indian Geography Congress, Nov. 4-6, 1993, held at Utkal Univ. Bhubaneswar.   | Childhood Leprosy in Vadodara District—A Study in Medical Geography.        |
| 3. | De Jayashree, Kanchan Rolee & Dash N.R | International Geographical Union INTERNATIONAL CONFERENCE ON HEALTH ENVIRONMENT AND DEVELOPMENT Jan. 27-30, 1994 held at Madurai Kamraj University, Madurai. | Accessibility and Utilisation of child health care services in Rural India. |
| 4. | De Jayashree & Sinha H.                | International Geographical Union INTERNATIONAL CONFERENCE ON HEALTH ENVIRONMENT AND DEVELOPMENT Jan. 27-30, 1994 held at Madurai Kamraj University, Madurai. | Impact on Island Environment Leprosy.                                       |
| 5. | De Jayashree                           | International Geographical Union INTERNATIONAL CONFERENCE ON HEALTH ENVIRONMENT AND DEVELOPMENT Jan. 27-30, 1994 held at Madurai Kamraj University, Madurai. | Urban Environment Sanitation and Health in India.                           |
| 6. | Dash N.R.                              | 15th Annual Conference of the NAGI, Utkal University, Bhubaneswar, Nov. 4-6, 1993.   | Agricultural Land Resource Utilisation in the Mid-Indian Tribal belt.       |
| 7. | Kanchan Rolee                          | International Conference on : "Health, Environment and Development" held at Madurai, Kamraj Univ. Madurai, Tamil Nadu, Jan. 27-31, 94.                       | Child Health in an Island Community.  |

#### Department of Geology

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| 1. | Patel P.P. | Water Management India Groundwater challenge, Ahmedabad. | Water Management. |
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| 2. | Patel P.P. & Mehra Anandi | Drinking Water Problem in Rural Area of Gujarat some through on resource development and management option.  | Viksat/Pacific Inst. Collaborative Groundwater Project Ahmedabad December, 14-16, 1993.   |
| 3. | Karanth V.R.              | GEOED International Conference, Southakam England 20-24 April, 93 on geoscience Education & Training.<br><br>Heating of Gendascooprive at the Institute of Fundamental Studies Kandy, Sri Lanka 10-11 June, 1993.<br><br>Rifting western Indian Hargin Dept. of Geology, M.S.U. & Geol. Soc. India, Bangalore, Sept. 1993. | Gemology in earth Science Curriculum.<br>Optical Megascopy.<br>Presented a Videofilm propertise of geom minerals.<br>Delivered a special Lecture on Indian lepxidary process and gem suhanle-meing.<br><br>Presented a paper on structure and Tefies and Interprices of Saurashtra. |
| 4. | Joshi A.V. & Ganapathi S. | Rifting of Western mayin of India & its bearing on the Geological evolution & Mineralizations at A.G.M. of G.S.I. Bangalore M.S. University of Baroda 27-29 September, 1993.   | Late conference sedimentation history of Narmada rifts basin, western India.  |
| 5. | Desai Nikhil              | Indian Science Congress Association, Jaipur, January, 1994.<br><br>All India Federation of University & College Teachers Organisation. AIFUCTO June, 93. Hyderabad.  | -<br><br>University Finance   |
| 6. | Chamyal L.S.              | DST Group monitoring Workshop Cochin Univ. of Science & Technology Cochin, January 18th-21st 1994.   | Stratigraphic & Paleoclimatic studies of the arid and semi-arid basins of W. India.   |
| 7. | Tiwari K.C.               | Geological Society of India's National Seminar Rifting of Western margin of India and its bearing on the geological evolution and Mineralisation. Department of Geology, M.S.U. 27-29 Sep., 93.  | Groundwater geology of Cambay Rift Basin and Marginal Areas.  |
| 8. | Sharma N.N. & Banerjee R. | Xth Indian Colloquum on Micropalaeontology & Stratigraphy.   | Statistical discriminition of Sedimentary environments of the Middle Siwalik sediments in Dehradun. Valley.   |

#### Department of Microbiology & Biotechnology

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|----|--|---|---|
| 1. | Hamsa P.V. & Chattoo B.B.                | 6th European Congress on Biotechnology in Florence, Firenze, Italy. (13-17 June, 1993)  | Heterologous Gene Expression in Yarrowia lipolytica.  |
| 2. | Naqvi, N.I., Kachroo P.N. & Chattoo B.B. | 6th European Congress on Biotechnology in Florence, Firenze, Italy. (13-17 June, 1993).<br><br>Plant Genome II meetings in San Diego, USA (16-21 January '94), The Rockefeller<br><br>2nd Asia Pacific Conference on Agricultural Biotechnology at Madras from 6-10 March 1994 Organized by National Academy of Agricultural Sciences, Delhi. | Molecular appoches to rice blast disease.<br><br>Mapping of blast resistance gene Expression in yassowia-lipolytical Foundation, USA.<br><br>Molecular investigations of the blast disease in rice. |

3. Chattoo, B.B. International symposium on Biotechnology for sustainable development at The Sustainable Development Policy Institute, Islamabad, Pakistan. (15-20 December, 1993). Use for DNA markers for Crop improvement
4. Rao K.K. Department of Microbiology, Institute of Science Bombay University, Bombay September 1, 1993. Ribosomes : Biochemistry, Models and their functional sites. Immobilization of Microbial living cells and their applications. Prokaryotic and Eukaryotic Ribosomes and their Assembly. Translational feed back regulation model of Ribosomal protein synthesis and assembly of Ribosomes in E. coli. Microbial proteases and their industrial applications.
5. Manjarekar J. Central Food Technological Research Inst. (CFTRI), Mysore June 11, 1993. Metabolic Regulation in Microbial Systems.
6. Chattoo, B.B. University of Wisconsin, Madison, U.S.A. 22-25 January, 1994. Scientific discussion with Dr. Sally Leong.

#### Department of Physics

1. Darji A.B. 48 Symposium on Molecular spectroscopy, Ohio state university, columbus, ohio OH-43210, USA, June 13-17, 1993. Rotational temperature of PbO.
2. Pandya G.R. & Jani T.M. 5th National Seminar on Crystal growth centre Anna Univ. Madras. Impurity hardening of InBi single crystals.
3. Singh N.L. & Gurjar S.B. DAE Nucl. Phys. Symp. 36B, 246, 1993. Excitation functions studies of  $^{169}\text{Tm}(\alpha, n)^{173}\text{Lu}$  reactions from 30-70 MeV energies.
4. Sureshkumar M.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. Emission spectrum of ZnI in 5100-6050 Å region.
5. Sureshkumar M.B. & Darji A.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. Rotational analysis of (0, 5) band of PbCl molecule.
6. Shah P.M. & Sureshkumar M.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. A-System of ZnCl.
7. Shah N.R. & Sureshkumar M.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. New electronic transition in ZnBr.
8. Patel T.M. & Sureshkumar M.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. On the (1,0) band of D system of PbO.
9. Sharma Srikant & Sureshkumar M.B. Saha Centenary International Symposium on "Spectroscopy and Astrophysics" Allahabad University, Allahabad, 4-6 Oct. 1993. Fine structure analysis of 3318 Å band of ZnI molecule.

10. Chaudhari S., Joshi T.R., Nehate A.K. & Prasad L.H.H. National Seminar on Luminescence and its applications. Physics Department, Govt. Science College, Bilaspur, (MP) 23 January 1994. TL Study of NaCl : Ba (T) Dosimetry material exposed to Alpha, Beta and Gamma Irradiation.
11. Nehate A.K., Chudgar N.K., Sharma H. & Joshi T.R. National Seminar on Luminescence and its applications. Physics Department, Govt. Aut. Post. Grad. Science College, Bilaspur, (MP) 23 January, 1994. Fluorescence study of mesogenic compounds.
12. Srinivas M. National Seminar on Luminescence and its applications, Bilaspur, 23rd to 25th January 1994. Thermoluminescence study of KCl : Ba as Beta dosimeter.
13. Kanchan D.K. Solid State Physics Symposium, BARC, Bombay 27-31, December, 1993. Mossbauer spectroscopy and DTA analysis of vanadate glasses.
14. Rathod Deepak G. Second SERC School in Atomic and molecular physics (i-ion/molecule collision.), Univ. of Roorkee, Physics Deptt. Roorkee, March to April, 10, 1993. Calculation of DCS/TCS for c-Ne scattering in the intermediate and highenergy range.
15. Gupta S., Omprakash, Paradia B.D. & Mehta P.K. National Meeting of the materials Research Society (MRS-94), Bhopal Date Feb. 1994 Preparation and characterization of Y (Ba-Sr<sub>x</sub>) Cu<sub>3</sub>O<sub>7</sub>-compounds.

#### Department of Statistics

1. Dey Devamoni & Dey Artasaran Population Policies and Programmes. Indian Association for the study of population (IASP) Annamali University, 16-19, Dec. 1993. Strategies of Development to Replacement level Fertility : An Exploratory level Analysis.
2. Gandotra M.M. International Seminar on "Safe Motherhood in Asia : Challenges Ahead", Organised by Society for International Development. Chandigarh, 1-5 March, 1994. -
3. Gandotra M.M. Comparative Demography of China and India Organised by Indian Association for the Study of population, Nov. 4-6, 1993, New Delhi. Fertility and Mortality Trends in India and China.
4. Das Narayan P. & Shah Urvi Population and Women, Indian Association for the study of Population, VII Annual Annamalai University, 16-19, December, 1993. Population, Women and their Development : A Re-Examination of the Linkages.
5. Das Narayan P. Operations Research on Spacing Methods. Background paper for the consideration of the Committee constituted by Ministry of Health and Family Welfare, New Delhi, September, 1993. Quality of Family Welfare Services in Increasing the Acceptance and Continuation of Spacing Methods : The case of India.
6. Das Narayan P. Demographic Transition Alternatives. Centre for Development Studies, Thiruvananthapuram, held at II HMR, Jaipur, Nov. 26-27, 1993. Emerging Issues of low Performance in F.P. Programme.

#### Department of Zoology

1. Patel C.S., Singh D. & Ramachandran A.V. International workshop on "Pineal and its molecular signals" Dept. of Zoology, Banaras Hindu Univ., Varanas, Oct. 10-12, 1993. Role of pineal, adrenal and thyroid in testicular func. of the pigeon.

2. Patel M.M. & Ramachandran A.V. International workshop on "Pineal and its molecular signals" Dept. of Zoology, Banaras Hindu Univ., Varanas, Oct. 10-12, 1993. Pineal and pineal oridoles on carbohydrate metabolism in birds.
3. Devkar R.V., Swamy M.S. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Local and systemic phosphodiesterase activity in relation to tail regeneration in the scineid Lizard, *Mabuya cavinata* under altered functional status of thyroid.
4. Dandekar D.S., Joseph J. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Effect of induced adrenocortical deficiency and excuss on some shycobytic and oxidatu enzymes in post hatch, whrite leghorn chicks.
5. Kurup A.K., Chacho S.M. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. In loco and systematic electrophoretic protein profile during tail regeneration in normal and hypothyroide lizards, *Hemmidactylus Haviviridis*.
6. Sharma R.K. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Chronological alteractions in Carbohydrate metabolism in intact and pinealectomise rat neonates subjected to transient hypothyroidism in the pre-weanling period.
7. Asnani M.V. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Effects of adrenal corticosteratds in the postnatal development of pectoralis muscle in Rhode island red chicks.
8. Singh D., Patel S.S. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Melatonis replacement to Px Pigeon in the breeding season able to restore thyroid and adrenal functions but no that of testes.
9. Patel M.M., Patel C.S. & Ramachandran A.V. XII National Symposium on Reproductive Biology and comparative Endocrinology School of life and Science, Pondichery Univ. Jan. 21-23, 1994. Functional atteration of testis adrenal and thyroid in intact and Px Pigeon exposed to long photo period during the recradesmtphase.
10. Ambadkar P.M. & Raval A.P. XII National symposium on reproductive biology and comparative endocrinology. Society for Reproductive Biology and comparative Endocrinology Pondicherry. Jan. 21-23, 1994. Influence of Oestrous cyclicity on certain metabolic alteractions in subruandibular gland of rat.
11. Howlader A.J., Ambadkar P.M. & Radhakrishnan N. The III indo-pacific and VI All-India symposium on invertebrate reproductions Venu-A.N.J.A. College, Sivakasi (Nest) 626124, Tamil Nadu : India December 10-12, 1993. Some observations on the possibility of oviposition aderrant pheromonal activity in Tobacco beetle, *Lasioderme serricorne* F colephtera snabidae.
12. Pilo Bonny Department of Zoology, Gujarat University, Ahmedabad. Bats and Plants-Interaction.

13. Ramachandran A.V. Deptt. of Zoology, Gujarat Univ. Ahmedabad, October, 1993. Eukaryotic Chromatin organization.
- Gene regulation in prokaryotes. Pineal and pineal indoles in tail regeneration in lizards.
- XII National Symposium on Reproductive Biology and Comparative Endocrinology, School of Life Sciences, Pondichery Univ. Pondichery, January, 1994. Endocrine Control of seasonal reproduction in male pigeons, Columba Livia.
- Department of Biosciences, South Gujarat University, surat, March, 1994. Neuroendocrine control of reproduction in the pigeons. Signal transduction during egg activation.

#### Department of Geology

1. Patel P.P. Indian society of Engg. Geology (Guj. State Chapter) Technical forum, gujarat Engineering Research Inst. Vadodara Environmental Geology : Gujarat Contest. Engineering Geological aspects of Dam Safety.
2. Karanth R.V. The British Museum Science Division, May, 1993 London. Gem cutting in Cambay, India.
- The victoria & Albert Museum London May, 93. Ancient capidary processes in India Gem Industry in India.
- Dept. of Archaeology, Paradania minersition Kaudy, June, 93. Structure & Metamorphism in Almore Crystal.
- Dept. of Geology, Utkal University Bhubaneshwar Nov. 1993. 3 Lectures on Gemology 1 Lecture on Almore Cryst. Rocks & Minerals.
- Dept. of Geology, M.S.U. Udaipur December, 1993. Tejas School Baroda.

#### Department of Mathematics

1. Patadia J.R. DEO, Bharuch and Bharuch Jilla Ganit Mandal, July, 29, 1993 Cyclic expression & Concept of a function.
2. Dave B.I. Annual Conference of Gujarat Ganit Mandal at Ahmedabad Oct., 1993. Riemann Zeta function
3. Patel Dhanes P. Annual Conference of Gujarat Ganit Mandal at Ahmedabad Oct., 1993. Riemann Zeta function

#### Department of Statistics

1. Sreehari, M. Saurashtra University, Rajkot, 8-9, March, 93. Hahn-Jordan Decomposition.
2. Gandotra, Madan M. N.S. Patel Arts College, Anand 19th February, 1994. Population Policy in India
3. Das, Narayan Prasad Faculty of Home Science, M.S. University of Baroda, Baroda, 21st February, 1994. World Population and consequences of Population Growth at Micro and Macro Level.

#### VI. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name(s) of Person(s)	Programme, Place and Date (s)	Capacity in which participated
<b>Department of Bio-Chemistry</b>			
1.	Parekh L.J.	DAE symposia on "Stress and adaptive responses in Biological systems" organised jointly between Dept. of Bio-chem., M.S. Univ. and BRNS, Dept. of Atomic Energy-Govt. of India.	Co-Convener-National Chairman-Local organizing Committee

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| 2. | Mehta Tara     | - 3 day, DAE Symposium on Stress of Adaptive Responses in biological systems.<br>- held at BARODA, Bio-chemistry Dept., Fac. of Science M.S. University, Baroda.<br>- March, 23-25 '94 | Member of Local organizing Committee. |
| 3. | Gupta Sarita   | Training course in Radioimmunoassay and its clinical application at B.A.R.C., Bombay from 4th Sept. - 30th Sept. 1993.   | Participant                           |
| 4. | Nareshkumar G. | DAE Symposium on "Stress and Adaptive Responses in Biological Systems," March, 23-25, 1994, Dept. of Bio chemistry, M.S. University of Baroda.   | Organizing Committee Member           |

**Department of Botany**

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|------------------|---|-------------|
| Prathapasanen G. | Indi-Dutch Seminar on floriculture, Bombay. 2nd February, 1994. | Participant |
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**Department of Geography**

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|----|---------------|---|-----------------------------|
| 1. | Rangaswamy V. | 'Remote Sensing Application in Geography course sponsored by Department of Space, IIRS, Dehra Dun, May 31 to July 9, 1993.<br><br>Intermediate GIS workshop Madras-Waterloo University Linkage Programme, University of Madras, Aug. 23 to Sept. 2nd, 1993. | Participant                 |
| 2. | Vyas J.P.     | Refresher Course on Oceanography. Conducted by Department of Geology, Jadavpur University, Calcutta. Dec. 93 to Jan. 94.  | Student                     |
| 3. | Rawal A.U.    | Gujarat State School Textbook Board - "10th Std. Textbook Reviewing Workshop" - at Vadodara from 12th to 14th March 1994.<br><br>Inservice course in Methodology of teaching at CASE - M.S. University of Baroda.   | Reviewer<br><br>Participant |

**Department of Geology**

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| 1. | Patel P.P.   | Alternative to centralised water and Energy system Bomay Uni. 24th April, 1993.<br><br>Workshop on Water management India's Groundwater challenge Ahmedabad, December, 14-16, 1993.<br><br>Environmental Awareness campaign Baroch by APIGR A'bad. June, 29-30, 1993.<br><br>Jal Raksha Abhiyan, Pani Parishad Ahmedabad. May 8-9, 1993.<br><br>Integrated training needs for water supply. GSTI, Gandhinagar November, 12, 1993.<br><br>One day workshop on Engineering Geomorphology orgs. by ISEG 7 GERI at Vadodara on January 29, 1994. | Chairman of a session on groundwater & Energy.<br><br>Participant<br><br>Participant<br><br>Chairman of a session<br><br>Participant<br><br>Resource Person |
| 2. | Karanth R.V. | The 3rd orientation course in gemmology under the auspices of Geol. Soc. Ind. at Bhubaneswar, Utkal University, 1-5 March, 1994.   | participant   |

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|----|------------|--|-------------|
| 3. | Joshi A.V. | Refresher course in "Structural Geology & Tectonics" at Jadhavpur University, Calcutta from 7th to 25th March, 1994.                       | Participant |
| 4. | Deota B.S. | four week UGC sponsored Refresher course in Remote Sensing application in Geology & Geomorphology April, 93 at Tiruchirapalli (Tamil Nadu) | Participant |
|    |            | Workshop on "Engineering Geomorphology" January, 94 at Gujarat Engineering Research Institute, Baroda.                                     | Participant |

#### Department of Mathematics

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|----|---------------|--|-----------------|
| 1. | Wakaskar D.C. | Workshop on Industrial Mathematics M.S. Univ. of Baroda, Baroda July 6-9-1993.                             | Resource Person |
| 2. | Das Tarun K.  | Instructional Conference on 'ODE' and Monodromy at School of Mathematics T.I.F.R. Bombay 5 to July 24, 93. | Participant     |

#### Department Microbiology & Biotechnology

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|----|--------------|---|--|
| 1. | Rao K.K.     | DBT, National Action plan Research project on "Technology, development and demonstration of Biofertilizers - Rhizobium -Project management Committee meeting at RRL, Jammu on June 2, 1993. | Management Committee<br>Member Principal Investigator        |
|    |              | UGC Refresher course for Lecturers in Microbiology at Institute of Science, Bombay University, Bombay September 1, 1993.  | Resource Person  |
|    |              | DBT project management and Task force joint Committee meeting on Biofertilizer - Rhizobium" DBT office, New Delhi, January 17, 1994   | Management Committee<br>Member and Principal Investigator    |
|    |              | Workshop on "Fermentation Technology for production of alcohol and Biogas organised by Gujarat Energy Development Agency, Baroda 31st January, 1994.  | Invitee  |
|    |              | DAE Symposium on 'Stress and adaptive response in Biological System', Baroda, March 23-25, 1994   | Participant and Organising<br>Organising Committee<br>Member |
| 2. | G. Archana   | DAE Symposium on 'Stress and adaptive response in Biological Systems, Baroda, March 23-25, 1994   | Member, Local Organising<br>Committee                        |
| 3. | Chattoo B.B. | Third Annual Meeting of the National Rice Biotechnology Network at M.S. Swaminathan Research Foundation, Madras from March 3-5-, 1994.  | Invited speaks   |
|    |              | DAE Symposium on Stress and Adaptive Responses in Biological Systems at M.S. University, Baroda from 23-25 March 1994   | Invited Speaker and Organi-<br>singing Committee Member      |
|    |              | Steering Committee meeting of Dept of Biotechnology, Govt. of India, in the area of Crop Biotechnology at DBT, New Delhi on 26-27, July '93   | Member   |
|    |              | Plant Molecular biology at Bose Institute, Calcutta July 29, 1993.  | Invitee  |
|    |              | Project Advisory Committee meeting in the area of Plant and Microbial Sciences at Dept. of Science and Technology, Govt. of India, New Delhi on 17-9-93.                                    | Member   |

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|--------------|---|-----------------------------------|
|              | Meeting for the development of expression systems for beta-hcG of National Institute of Immunology at DBT New Delhi on 27-9-93. | Invitee                           |
|              | Expert committee meeting of DBT at Central Sericultural Research and Training Institute, Mysore on 13-8-93.                     | Member                            |
| 4. Dave M.   | Indo-Swiss Workshop on Bioprocess Automation held at SPIC Bioprocess Lab., Madras from 7-12, February 1994.                     | Participant                       |
| 5. Bhave S.  | Indo-Swiss Workshop on Bioprocess Automation held at SPIC Bioprocess Lab., Madras from 7-12, February 1994.                     | Participant                       |
| 6. Iyer G.   | Second Asia-Pacific Conference on Agricultural Biotechnology at Madras from 6-10, March 1994.                                   | Participant                       |
| 7. Bagchi T. | DAE Symposium on Stress and Adaptive Responses in Biological Systems, Baroda, March 23-25, 1994                                 | Member Local Organising Committee |

#### Department of Physics

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|---------------------|---|----------------|
| 1. Kulkarni P.P.    | The interchapter meeting of Indian Physics Association held at Physics Dept. Faculty of Science, M.S. Univ. of Baroda in Feb. 1994.                                   | Member         |
| 2. Deshpande P.W    | Orientation course for counsellors. Bhopal IGNOU 24th and 25th  | Counsellor.    |
|                     | Laboratory for physics Practicals was set up for Ignou students at Baroda from 16-30, November, 1993  | Counsellor     |
| 3. Singh N.L.       | Inter University Consortium for DAE facilities, Calcutta Centre Project Review Meeting, March 9-11, 1994.   | Project leader |
| 4. Sureshkumar M.B. | Shah Uentenary International Symposium on "Spectroscopy and Astrophysics" Dept. of Physics University of Allahabad Allahabad from 4-6 Oct. 1993.                      | Participant    |
| 5. Patel Minaxi     | Annual Meet of Indian Physics Association held at Physics Dept. Faculty of Science, Baroda, on 20th Feb. 1994.  | Lecturer       |
| 6. Deepak; G.R.     | Second SERC School in Atomic and Molecular physics (ion-atom/molecule collision) University of Roorkee Deptt. of Physics from Mar. 22 to Apr. 10-1993                 | Participant    |
| 7. Mehta P.K.       | Inter Disciplinary seminar of exploding R and D potentials between university and Industries at Sardar Patel University, Vallabh Vidyanagar-388120. 11-12 April 1994. | Participant    |
|                     | Inservice course on Methodology of Teaching and evaluation, M.S.U. Baroda. (1993-94) 20-12-93 to 31-12-93.  | Participant    |

#### Department of Statistics

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|-----------|---|-------------|
| 1. Dey D. | Summer Seminar on population. East-West Population Institute Honolulu,, Hawaii and Population Institute, Nibon University, 1st June - 7th July, 1993. | Participant |
|-----------|---|-------------|

2. Kirkire P.D. Workshop on Industrial Mathematics, Conducted by Department of Applied Maths. and faculty of Technology and Engg., M.S.U. Baroda  
As a Module Leader  
and  
Department of Mathematics, IIT, Bombay, at Faculty of Technology and Engg., Baroda.
3. Patel D.K. Refresher course in Statistics at Vidyanagar, 4th Oct., to 25th October, 1993. Participant

**Department of Zoology**

1. Pilo Bonny Operational problems Panel Meeting, ARDB. 25th May 1993, Bombay. Principal Investigator  
Workshop on Avian conservation-India Bird life International and SACOW 3rd 6th Aug, 1993, Coimbatore. Participant  
VII Annual Research Seminar, Will, Dehradun 27th-29th Sept., 1993 Dehradun. Participant  
BNHS Annual Research Seminar, 21st Dec., 1993 Bombay. Participant
2. Ramachandran A.V. Workshop on effective teaching of Developmental Biology Dept. of Biosciences, Himachal Pradesh, Univ. Shimla July 1993. Participant  
International Workshop on "Pineal and its molecular signals" Dept. of Zoology, Banaras Hindu Univ. V. Varanasi Dec. 1993. Participant
3. Nene R.V. Symposium on 'Electron microscopy' organized by Dept. of Zoology, Gujarat Univ. Ahmedabad. Participant  
Symposium on 'Molecular Biology' Organized by Dept. of Zoology, Gujarat Univ. Ahmedabad. 1994 Participant
4. Asnani M.V. UGC Sponsored Seminar on Electron Microscopy and "Trends and Techniques in Molecular Biology" held at the Department of Zoology, Univ. School of Sciences, Gujarat University, Ahmedabad-380 009 Participant.
5. Padate Geeta Wildlife Conservation and Management training Program conducted at Wildlife Institute of India, Dehradun in coloboration with National Zoological Park Smithsonian Institute Washington D.C. U.S.A. from 5th March 1994 to 16th April 1994. Participant

**VII. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :**

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Description of the Award
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**Department of Botany**

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|----|------------------|--|
| 1. | Jasrai Yogesh T. | Selected for presentation Under INSA Young Scientist Awards - 1993 (Under 32 Years). (14th April, 1993). |
| 2. | Aruna Killaru    | Selected As Best Presentation in a National Seminar at Bangalore (11-13 Jan. 1994)                       |

**Department of Chemistry**

Rakshit A.K.

Elected to the Board of Associate Editors, Indian Chemical Society, Calcutta.

Elected to the executive committee, Indian Soc. for surface science and Technology Calcutta.

**Department of Geology**

1. Desai Nikhil

Convener, Children Science Forum Indian Science Congress Association, Jaipur-9  
Council Member, Indian Science Congress Association, Calcutta.

National Secretary All India Fed. of University &amp; College Teachers Organisation AIFUCTO Calcutta.

2. Ganapathi S.

Hari-Ohm ashram prerit Bhaikaka inter University award for the best research paper of the year 1992.

3. Joshi A.V.

Hari-Ohm Ashram Prarit Bhaikaka Inter University award for the best research paper of the year 1992. received in February, 1993.

**Department of Microbiology and Biotechnology**

1. Rao K.K.

Nominated to the Editorial Advisory Board of the Journal 'Anals of Biology' published by Agri-Bio-Publishers, India.

2. Chattoo B.B.

Member, Editorial Board 'World Journal of Microbiology &amp; Biotechnology' The official Microbiological Societies and of the UNESCO-MICREN Network.

Member, Editorial board Journal of Biosciences, Published by the Indian Academy of Sciences.

**Department of Statistics**

Sreehari, M.

Elected as Vice-President of Indian Statistical Association.

Invited to be an Associate Editor of the JI. of Indian Society for Probability and Statistics.

**Department of Zoology**

Pilo Bonny

Elected as Fellow of Gujarat Science Academy

## Faculty of Education and Psychology

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Titles of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Education</b>			
1.	Kothari R.G.	<i>Number System</i>	Gurjar Granth Ratna, Ahmedabad, March '94.
		<i>Ganitni Paribhasha</i>	Gurjar Granth Ratna, Ahmedabad, March '94.
		<i>Gaint Darshan</i> (Monthly Journal of Mathematics)	Samasti Trust, Baroda, Monthly.
2.	Talesra H.	<i>Social Background of Secondary School Tribal Girls.</i>	Himanshu Publications,

### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of Person(s)	Title	Name of Journal wherein published and date of publication
<b>Department of Education Administration</b>			
1.	Kothari R.G.	Experiments in Education (Book review)	<i>Ganit Darshan</i> , Baroda. Vol. 235 - 236 Sept. - Oct. '93.
		Mathematical Words in the Syallabus of VIII to X	<i>Ganit Darshan</i> , Baroda, Vol. 237 Nov. '93.
2.	Joshi S.M. & Pradhan N.	M. S. University of Baroda : A Case Study of University Management.	<i>University News</i> , Vol. XXXI No. 46, 15 Nov. 1994, New Delhi.
3.	Kumar S.	How do University Students and Teachers react to the Semester System, Internal Assessment and Grading.	<i>The Journal of the Maharaja Sayajirao University of Baroda</i> , Vol. XLI-XLII (1992-93) No. 2 Social Science Number, November, 1993
4.	Joseph K.S.	Teacher in a Multicultural Society.	<i>New Frontiers In Education</i> , Vol. XXIII, No. 2, April-June 1993.
5.	Joshi S.M. & Thomas V.D.	Problems and Issues of Secondary School Teacher Education in India.	<i>Perspectives in Education</i> , Vol. 10, No. 1 January 1994. Baroda.

6. Talesra H. Quality of Higher Education Among women  
 Tribal Education : New Social Structure and Alternative Strategy.  
 Less Burden of Education : Means Improvement in the Quality.  
 Researches in Women Education : Past, Present and Future.  
 Quality of Distance Education for Tribals in 21st Century.  
 Education and Environment.  
 Education of Women in India.  
 How to improve quality in School Education.
7. Deota N.P. ભક્તિમાર્ગની દ્રષ્ટિએ 'સ્વ'ની ઓળખ  
 અવધૂતી સાધના  
 ગુજરાત દુર્ગદર્શન
- Education in Asia*, Asian Academy of Edu. and Culture, Vol. XIV, No. 1 Jan-Feb-March 94.  
*Tribal Research Bulletin* Tribal Research Training Institute, Vol. XV, No. 2, Sept. 1993, Pune.  
*SHIVIRA*, Directorate of Primary and Secondary Education, Rajasthan, Bikaner. Feb. 1994, No. 8, 34.  
 In the *Commorative Volume for Dr. S.P. Ahluwalia*, New Delhi.  
*Kakatiya journal of Distance Edu.* Kakatiya University, A.P.  
 In *pushkar Smarati Granth* Tarak Guru Jain Granthalaya, Oct. 1993.  
 In *Pushpawati Abhinandan Granth*. Tarak Guru Jain Granthalaya, Aug. 1993.  
*Journal of Education*, Vidya Bhavan, Udaipur.  
 નારૈશ્વરનો નાદ, વડોદરા, એપ્રિલ '૯૩.  
 નારૈશ્વરનો નાદ, વડોદરા, માર્ચ '૯૪.  
 દુર્ગનિશોષાંક, ત્રિદલ પ્રકાશન, મુંબઈ, ઓક્ટોબર ૧૩.

#### Department of Psychology

1. Daftuar C.N. Power distance and other work values among normal employees.  
 Should we apply foreign management theories to Indian System ?  
 Book-Review : (Author. S.K. Chakraborty) Managerial Transformation by values : A Corporate Pilgrimage. (Pub. sage. New Delhi, 1993)
2. Quarishi Z.M. Teacher Attitudes Towards Pupils in Relations to Sex and Age.
- Disability and Impairment*, Vol. 7, No. 1, pp. 7-15, 1993.  
*Industrial Relations : News and views*. Vol. 5, No. 3, pp. 8-12, July-Sept., 1993.  
*Industrial Relations : News and views*. Vol. 6, No. 1, pp. 17-18, Jan-March, 1994.  
 In *Quest of Bhartiya Shikshan*, Nov. 1993, Vol. III, No. 11, p. 328-331.

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCE ETC.

Sr. No.	Name(s) of Person(s)	Theme organizers' Name, Place, Date of Seminar/Conference etc.	Title of Paper
<b>Department of Educational Administration</b>			
1.	Joshi S.M.	"Professionalisation of Teacher Education", 13th International Seminar on Teacher Education, The International Society for Teacher Education and Ministry of Education, Germany at Inservice Teacher Education Centre Compurg castle, Schwabisch Hall, Germany 21.4.1993 to 28.4.1993.	Professionalization of Teaching Profession - Indian Context.
		"Educational Management" Gujarat Vidyapith, Ahmedabad, March '94.	
	Joshi S.M. & Pradhan N.	"Towards Academic Renaissance of the M.S.U. of Baroda," Dept. of Edu. Administration, M.S.U. of Baroda 1.9.1993.	Management of Educational Policy
2.	Dekhtawala P.B.	Empowerment of Women in Educational Leadership, organized by Dept. of Educational Administration, Faculty of Edu. & Psy., 11.2.1994 & 12.2.1994.	Educational Leadership and Empowerment
<b>Department of Education</b>			
1.	Kothari R.G.	State level Seminar on Teaching of Mathematics for Class X. Gujarat Secondary Education Board at G.S. Bhakta High School, Mahuva, Dist. Surat, on 27, 28 May 1993.	Teaching of Statistics some new concepts.
		State level Seminar/Workshop on writing Instructional Objectives. BY Research and Training Centre, Ahmedabad, 1, 2 Nov., '93.	Writing instructional objectives.
2.	Pradhan N.	Empowerment of Women, Dept. of Educational Administration, Faculty of Education and Psychology. The M. S. University of Baroda, Baroda-2, 11.2.1994 to 12.2.1994.	Developing Strategies for Women's Empowerment.
3.	Talesara H.	<i>International Conference on</i> : Empowerment of Women : A Step towards a Just Society : Org. by World Council for curriculum and Instruction, At Kulachi Hansraj Model Institute, Ashok Vihar, Delhi on 10, 11 and 12.12. 1993.	Emerging Role Perception and Empowerment of Women.
		<i>National Conference on</i> : Science in India Excellence and Accountability, Org. by Indian Science Congress at Jaipur (Raj.) on 8.1.1994.	Quality of Higher Education Among Women. (Edu. & Psy.) Educational Status of SC/ST Girls. (Women & Science Section)

- National Seminar on : "Quality of Distance Education Org. by Indian Distance Education Association at School of Distance Learning Warangal (A.P.), 3.11.1993 to 5.11.1993..*
- Quality of Distance Edu. for Tribals in 21st Century.
4. Patadia H.J. International Conference on Recent Trends in Educational and Training Technology held in New Delhi on 28.10.1993 to 30.10.1993. All India Association for Educational Technology. New Delhi.
- A Critical Study of Computer Education Imparted by the School's of Baroda City.
5. Deota N.P. National Seminar on 'Nature of Education', 27.8.1993 to 28.8.1993., CASE, Baroda.
- Nature of Education - an oriental view.
6. Christian J.A. *Is Education Autonomous or composite of various Disciplines.*
- National Seminar on "Nature of Education" CASE, FEP, MSU, Baroda 27.8.1993 to 28.8.1993.
- Film as an Effective mode of Instruction.*
- National Conference on "Visual-Media communication", Hyderabad 20.10.93 to 24.10.93.
7. Joseph K.S. Training Programme for Teacher Educators on Teaching of Reading, Central Institute of Indian Languages, Mysore, Prakash College of Education, Ahmedabad (21.3.1994 to 26.3.1994).
- On Acquiring Proficiency in Reading.  
Critical Reading  
Reading and Dictionary Skills.
8. Thomas V.D. Transactional Analysis and Re-decision therapy Transactional Analysis Society of India, New Delhi. 7.3.1994 to 13.3.1994.
- Applying Transactional Analysis to Teacher Education.
- Department of Psychology**
1. Daftuar C.N. BASICS of HRD, Ahmedabad, March 01, 1993, Organizer - Academy of HRD.
- Human Behaviour in organizations.
2. Parimu Bimla X Annual Conference of Gujarat Psychology Association held at S.B. Garda Arts Navsari, 8.1.1994 to 9.1.1994
- Recent trends in diagnostic nomenclatures of Childhood disorders.
- The Empowerment of Women for educational leadership. Deptt. of Educational Admn. Faculty of Edu. & Psy., M. S. University of Baroda, 11.2.1994 to 12.2.1994.
- Impact of Mothers employment on children.
3. Purandare V.M. Indian Science Congress (81st) Jaipur 3.1.1994 to 8.1.1994
- Age and Judgement of size in Relation to Geometric Shapes.
4. Bhatt I.D. International Symposium on "Multidisciplinary perspectives on cognition." at Banaras Hindu University, Varanasi, December 14-17, 93
- Perception as a function of Mental Set - Exercised by Levels of Language.
- Gujarat Psychology Association - X Annual Conference at S.B. Garda College - Navasari, Jan. 8th & 9th, 1994.
- Recent Trends in Clinical Psychology.

IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Persons	University/Institution and Date	Title of lecture
1.	Shelat N.A.	S.P. University, P.G. Dept. of Education 22.2.94.	Critical Path Analysis System Analysis
2.	Kothari R.G.	Academic Staff College, Rajkot 16.6.1993 and 2.12.1993.  Integrated Education for Disabled BMC Project, Baroda. 8.9.1993.  M.N. Shukla College of Education, Ahmedabad, 2.11.1993  Anand Education College, Anand, 3.3.1994	Curriculum Development  Action Research  Use of Education Technology in Classroom.  Learning without Burden
3.	Talesara H.	Annual Training Camp for Teachers organized by Rajasthan Mahila Parishad, Udaipur, on 11.9.1993	Role of Women Teachers for better development of Women Institutions.
4.	Christian J.A.	Shreyas High School, Baroda on 6-7.7.93  Secondary School Headmasters Association of Sabarkantha district, Himatnagar, 29.1.94.  "Future Education" organized by Refinery Training Centre and District Education Dept. Baroda, on 1.3.1994.	Introduction to the New Text of Std. X S.S.  Communication and Transaction.  Challenges in future Education.
5.	Joseph K.S.	Mother's School, Baroda, 25.6.93  Tejas Vidyalaya, Baroda, 4.9.93  Faculty of Arts, M.S.U., Baroda (JELT BARODA CHAPTER, English Language Teachers' Association) on 14.3.1994.	Word Power and Dictionary Skills  English Language Teaching  Proficiency in Reading
6.	Thomas V.D.	Training Programme for MARG Counselling Centre, M.S.U. Baroda	Basic skills in personal Counselling."
<b>Department of Educational Administration :</b>			
1.	Joshi S.M.	Baroda Management Association, Baroda, August 1993.	Dual System of Education - Towards Vocationalization.
2.	Dekhtawala P.B.	Vikas Jyot Trust, 29.12.1993  'Samanvay' Principals Association, 9.1.1994  Himatnagar Acharya Sangh, 29.1.1994	Impact of Mass Media on Edu.  Time Management  One Minute Manager

## Department of Psychology

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|-----------------|--|--|
| 1. Pathak N.S.  | Bharuch District Madhyamic Sangh,<br>Ambubhai Purani Vidyalaya, Rajpipla.      | Changing role of teachers in<br>modern society.  |
|                 | Bhailalbai Amin Hall, Baroda   | Mental Health.   |
|                 | Gujarat Refinery, Baroda.  | Stress during and after retirement<br>and mental relation.   |
|                 | Alkapuri Jr. Chambers, Baroda.   | Factors impeding human growth<br>and development.  |
|                 | Gujarat Psychology Association, Godhara.                                       | Mental Health.   |
|                 | M.B. Patel College of Education, Vallabh<br>Vidyanagar, Anand.                 | Utilization of Research methods<br>in Educational Management.  |
| 2. Daftuar C.N. | Academy of HRD, Bangalore, 10.3.93<br>13.3.93 and 15.3.93 to 18.3.93           | Sensitivity Training   |
|                 | Gandhi Labour Institute, Ahmedabad<br>21.4.93                                  | Micro-Lab  |
|                 | Gandhi Labour Institute, Ahmedabad<br>23.4.93                                  | Understanding People   |
|                 | Gaya College, Gaya, 16.11.1993   | Basics of HRD  |
|                 | CASE, MSU, Baroda, 23.12.1993  | Communication  |
|                 | Rangers College, Rajpipla, Feb. 7-8<br>and 10-11, 1994                         | Basic of HRD Performance<br>appraisal<br>organization Development,<br>Understanding People<br>Team Building<br>Leadership in Organization<br>Stress Management |
| 3. Parimu Bimla | Vikas Jyot Trust, 18.9.1993  | Nature, extent and cause of<br>Juvenile Delinquency in India.  |
|                 | Family Counselling Centre, 30.12.1993  | Problems of Life and Personality<br>Development.   |
|                 | Vocational Rehabilitation Centre for<br>Handicapped Women, 14.2.94 to 18.2.94. | Psycho-social factors to be<br>tackled by handicapped women.   |
|                 | Baroda Metropolitan Junior Chamber, 19.3.94                                    | Follies in Human behaviour.  |
|                 | Gujarat State Fertilizer Company Ltd.  | Counselling.   |
| 4. Mario X.     | BMA - Residential Prog., Lonavala, 20.3.94                                     | Self Disclosure in improving<br>quality of life.   |
|                 | Gujarat Psychology Association, 8.11.94 &<br>9.11.94.                          | Role of Psychology in career<br>Selection.   |
|                 | Faculty of Mangt. Studies, M.S.U., Baroda<br>Sept. '94.                        | "Relevance of Team working" for<br>MBA students.   |
|                 | Navrachna School, Dec. '94.  | Need for Career Counselling.   |

5. Purandare V.M. Vocational Rehabilitation Centre for Handicapped Women, Govt. of India, Ministry of Labour, National Employment Service, Baroda. How a physically handicapped person can assess his/her own personality without standard techniques or tools ?  
All India Radio, Ahmedabad - Baroda Adjustment Problems.
6. Bhatt I.D. UGC Visiting fellow - Lectures, Bhavnagar University, Bhavanagar, Dec. 2nd 1993. Classification of Mental Disorders as per D.S.M. III (R).  
UG Visiting Fellow - Lectures, Saurashtra University, Rajkot, 11th & 12th Feb. '94. Theories of Personality Dynamics.  
Vocational Rehabilitation Centre for Handicapped Women, 14-18 Feb. '94 Baroda Theories of Personality Developments.

#### V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS, ETC.

Sr. No.	Name of the Persons	Programme, Place and Date(s)	Capacity in which participated
<b>Department of Educational Administration</b>			
1	Joshi S.M., Derek S., Christian J.A., Dekhtawala P.B., Patankar S.D., Talesra H., Pradhan N., Patadia H.J., Acharya V.R., Santwani S., Pradhan S.	National Seminar on Empowerment of Women for Educational Leadership, Dept. of Edu. Administration, Baroda, 11.2.94 and 12.2.94.	Director
2.	Joshi S.M.	'Samanvay' Principal's Association, Baroda and GCERT, Gujarat, Lal Bahadur Vidyalaya, 9.1.1994. Sabarkantha District Acharya Sangha, 29.1.1994. Gave Seminar at Dept. of Educational Management at the Universities in U.K. Manchester, Bristol, Luton, London.	Resource Person Resource Person Speaker
3.	Dekhtawala P.B.	Framing Objectives of Social Studies-for Std. V to X, Gujarat State Text Book research Trg. Institute Ahmedabad, 22.11.1993 to 24.11.1993 and 1.2.1994 to 2.2.1994. Paper presented on Discussion Method Inservice Course for the newly appointed lectures of MSU, CASE, 22.12.1993. Attended Seminar on Educational Management Towards 21st Century, Gujarat Vidyapith, 19.1.1994 to 20.1.1994.	Convener of Social Studies Group Resource Person Participant

## Department of Education

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|----|---|--|----------------------------|
| 1. | Roy S.P.  | Orientation Programme for freshly appointed lecturers of M. S. University, CASE, Baroda, 20.12.93 to 31.12.93. | Director & Resource Person |
| 2. | Shelat N.A.   | Orientation Programme for freshly appointed lecturers of M. S. University, CASE, Baroda, 20.12.93 to 31.12.93. | Convener & Resource Person |
| 3. | Kothari R.G., Lulla T.P., Christian J.A., Talesra H., Patankar S.D., Pradhan N., Panigraphi S.G., Patadia H.J., | Orientation Programme for freshly appointed lecturers of M. S. University, CASE, Baroda, 20.12.93 to 31.12.93. | Resource Person            |

## Department of Psychology

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|----|--------------|--|--|
| 1. | Pathak N.S.  | Gujarat Psychology Association at Navsari, Symposium on terrorism organised, 8.1.1994.   | Chair Person   |
|    |              | UGC sponsored refresher course organised by S.P. University, Vallabh Vidyanagar.   | Resource Person  |
|    |              | Theme Recent trends in Psy. : OB, OD, HRD, 3.2.1994.   | Resource Person  |
|    |              | One day Seminar on "Self Managing Leadership" at Vinijya Bhavan, Race Course, Baroda on 14.2.1994.   | Director   |
|    |              | UGC sponsored "Refresher Course organised by M.B. Patel College, Vallabh Vidyanagar, Theme : Sensitivity Training, Performance Appraisal and PERT., 25.2.1994. | Resource Person  |
|    |              | Lecture "Utilization of Research Methods in Educational Management at M.B. Patel College of Education, Vallabh Vidyanagar, 26.2.1994.                          | Resource Person  |
| 2. | Daftuar C.N. | Personal Growth Laboratory, Bokaro Steel Plant, 2.6.1993 to 10.6.1993.   | As Faculty (in capacity of my being IBP-fellow, at the Academy of HRD) on behalf of the Academy of HRD, Ahmedabad. |
| 3. | Mario X.     | Gujarat Psychology Association on 8.11.1993<br>9.11.1993   | Participant  |
|    |              | Ahmedabad Chapter of HRD network on 12.3.1994. "Liberalisation of Economy and HRD."  | Theme Co-ordinator   |

## Department of Education

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|----|--|--|-----------------|
| 1. | Roy S.P.   | National Seminar on "Teacher Education - A Futuristic Perspective", CASE, Faculty of Education and Psychology, Baroda, 28.2.94 to 1.3.94.  | Director        |
| 2. | Shelat N.A.  | National Seminar on "Teacher Education - A Futuristic Perspective", CASE, Faculty of Education and Psychology, Baroda, 28.2.94 to 1.3.94.  | Convener        |
|    |  | National Seminar on "Nature of Education". 27.8.93 to 28.8.93.   | Participant     |
| 3. | Kothari R.G.   | National Seminar on "Teacher Education - A Futuristic Perspective", CASE, Faculty of Education and Psychology, Baroda, 28.2.94 to 1.3.94.  | Participant     |
|    |  | Workshop for Secondary School Teachers, organised by Community Science Centre, Baroda at G.E.B. School, Baroda on 28.7.1993.   | Resource Person |
|    |  | Workshop for primary school teachers, organised by Dept. of Science and Technology Cell of Govt. of Gujarat At Baroda on 11.9.93.  | Resource Person |
|    |  | State Level Workshop on "Learning without burden" organised by Gujarat Secondary Education Board, Gandhinagar at D.I.E.T. Baroda on 6.2.1994.  | Resource Person |
|    |  | Special orientation programme for primary teachers (S.O.P.T.) for training of Resource Person, organised by NCERT, Ahmedabad, 18.3.94.   | Resource Person |
| 4. | Pradhan N.   | Orientation to the Teachers of Mothers' School, Baroda in Technology of Teaching, Dept. of Educational Administration, Faculty of Education and Psychology, M. S. University of Baroda, 13.9.1993. | Resource Person |
| 5. | Lulla T.P.,<br>Christian J.A.,<br>Talesra H.,<br>Pradhan N.,<br>Panigrahi S.C.,<br>Patadia J.,<br>Deota N.P. | National Seminar on "Teacher Education - A Futuristic Perspective", CASE, Faculty of Education and Psychology, Baroda, 28.2.94 to 1.3.94.  | Director        |
| 6. | Kumar S.   | Extended contact programme for DHE students of Indira Gandhi National Open university from 3rd October to 12.10.1993, organized at Regional Centre, Ahmedabad.                                     | Course Director |

7.	Talesara H.	National workshop on Women and STD/HIV/AIDS Women Studies Research Centre and Women Households information Centre, Baroda, 28.3.1994 to 30.3.1994.	Participant
		State Level Seminar on "Teacher Training in Extension" Faculty of Home Science, Baroda, 15.3.1994.	Participant
8.	Oza D.J.	'Integrated approach in teaching' (workshop) for Municipal Corporation Primary School Teachers, Municipal Primary Education Board, Fatehgunj, Baroda-2, 8.9.1993.	Resource Person
		Workshop on 'Development of Personality' for Women of 20 years to 45 years', Karelibaug Bhagini Samaj, Karelibaug, Baroda, 5.1.1993.	Resource Person
9.	Patadia H.J.	'Women & AID' workshop organised jointly by WSRC, WHODIC, IWSA, NACO & WHO, 28.3.1994 to 30.3.1994., Baroda	Participant
10.	Deota N.P.	Teacher Training Programme (for the Primary Section) organised by the Bharatiya Shikshan Mandal in collaboration with Sanskrit Seva Mandal - for the teachers of Baroda Municipal Corporation, 16.12.1993 to 18.12.1993, Baroda.	Resource Person
11.	Christian J.A.	"Orientation Programme for the Introduction of the New text of X S.S." Organised by Gujarat Secondary Education Board, Gandhinagar at Gandhara High School, Dist. Surat on 30.5.1993 to 31.5.1993.	Participant
		"To Edit the 11th Std. Textbook for History Subject", at Ambaji, organised by Gujarat State Textbook Board, Gandhinagar, 9.10.93 to 11.10.93.	Expert
12.	Thomas V.D.	Transactional Analysis Conference of India, New Delhi, 29.5.1993 to 31.5.1993.	Trainee under contract for advanced training.
13.	Patankar S.D.	Associated with the academic Council of Navrachna Higher Secondary School in the restructuring of the curriculum of standards I & II. This was an activity carried on through the academic year of 1993-94.	Advisory Capacity
<b>Department of Psychology</b>			
	Daftuar C.N.	A Study of HRD Needs of an Indian organization	IBP - Academy of HRD, Ahmedabad.

## VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

(A) Teachers (B) Non-Teachers (C) Students

Sr. Name of the Recipient	Designation of the Award
No. Teacher/Non-Teachers/Students	

## Department of Education

Talesara H.

John Dalvi Award instituted by Leslie Sawhny Programme, Bombay for outstanding social work and excellent work for tribals in Gujarat and Rajasthan, awarded on 18.5.1993.

## University Experimental School

### I. Courses of students

The school follows the syllabus and course prescribed by the department of Education Gujarat Government Secondary and Higher Secondary Board :

II.	Nos. of Pupils	Boys	Girls	Total
1.	Primary I to VII	218	141	359
2.	Secondary VIII to X	113	67	180
3.	Higher Secondary (Science & Common)	179	114	293

### III. Staff

1. (a) 18 Teacher (Primary & Higher Secondary)
- (b) 1 Senior Clerk
- (c) 1 Junior Clerk
- (d) 2 Lab. Cordinaters
- (e) 1 Librarian
- (f) 1 Teacher in Secondary
2. Resigned 1 Teacher

### IV. Activities

The school reopened on 28th June, 1993. Long tradition of arranging activities for all round development of students is taken care of

1. Elections were held in Primary, Secondary & Higher Secondary Sections of the school in August.
2. Independence day 15th August was celebrated with 'completion of Patrioic song & flag hoisting ceremony.
3. 'Swa Shasan Din' was arranged where by the students governed the school for one day.
4. Primary Section of the School enjoyed Navaratri Mahotsava by arranging Garbas.  
The school remained closed during Diwali vacation.
5. One day tour in natural surroundings was arranged for all the classes during December.
6. Republic Day was celebrated with great joy.
7. Healthy body creates healthy mind sports day was celebrated in February by all the sections of the school.

Feathers in our cap. our outstanding students.

1. Nirali Patel won Second Prize in a State Level Drawing Competetion arranged by Permenant Company.
2. Colour Competetion was also arranged by Fevicol Company.
3. poonam Ambade won 2nd Prize in Drawing Competetion arranged by Lion Club.
4. Our students also appeared in Elementary and Intermidiate Drawing Exams.

5. Miss Purvi Shah student of 11th Science won Second Prize at Baroda level in Drawing Competition arranged by Shadow Creators.
6. Deval Shah Std. VII won first prize in wrestling competition in Laxminath Vyam Mandir.
7. Our student Hiren Randadia XI Common has won different Prizes in Athletics.
  - (a) 3rd in Shot put Competition at Gujarat Level
  - (b) 2nd in Amature Athletics.
8. School won Cricket match against Pratap High School. Our students also shined at Balbhavan Cricket Tournament.
9. Gagan Khatri VIII was selected for pre national table tennis Competition at Junagadh. He will take part in calcutta.
10. During Diwali vacation a trekking camp was arranged at Abu. Students of VIII & IX took part in it.
11. Yogasan Shibir was also arranged for Secondary students.
12. Dhara Majmudar won 1st Prize in Fancy Dress Competition held by Rotary Club.
13. In the Centenary year of Chicago Pravanchan by Swami Vivekananda a debate competition was arranged by Swami Vivekanand Kendra. Our student Minal Rathod got 3rd prize at Baroda level.
14. Shivani Rathod won 2nd Prize in debate competition by Jagrut Grahak Mandal. She also won 4th prize in Debate on Blood Donation.
15. Jagat Bakshi won 1st prize and Chirantane Bhatt won 2nd prize in Essay competition by 'Sahiyav Sanstha'.
16. Inter School Science Quiz was arranged by MGM Scool. Our students Keyar Joshi and Shivani Rathod were selected in Merit list.
17. Students also appeared in different examinations like
  - (a) Gujarat Rajya Shishta Vachan Exam.
  - (b) Gujarat Vidyapith Hindi Exam.
18. A book exhibition was held in Library by Gyatri Parivar.
19. International Institution "INSONA" held a clean up Baroda Project. Our students took part in the really for clean environment.
20. Keyur Joshi Std. IX got 90% marks in 36th All India U.N. Inormation test held by United School Organization. He also got 23rd rank in national merit list.

The result of school efforts are the achievements of the students. To encourage students every year Dr. Mahendra Choksi Award is given to two students for their all round performance. Winner this year are :

- (a) Dhara majmudar – Primary Section
- (b) Keyur Joshi – Secondary Section.

#### School Results :

S.S.C. 80%

XIIth Common 74%

XIIIth Science 28.3%

## Faculty of Commerce

### I. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Names of Persons	Title	Name of Journal wherein published and date of publication
1.	Pathak D.S. & Mevega F.M.	Planning for Neutral Money supply in African Economics with special application to Kenya.	The Indian Economic Journal. July - Sept. 1993
2.	Mohite M.D.	A Performance Appraisal of Anonya Co-operative Bank, Baroda.	Sahyog Journal of Udaybhavisinhji Institute of Co-operative Management, Section-30, Gandhinagar January - 1994.
3.	Mohite M.D.	An Evaluation of the working Public Sector, Banks under IRDP in Baroda District, during seventh Five Year Plan (85-90)	Journal of the M. S. University of Baroda Vol. XII-XIII (92-93) No. 2 (Social Science number) Baroda.
4.	Shah J.M.	Last Month Preparation	The Chartered Accountant (Aug. 93)
		Non-Voting Shares	Premium Investments (Oct. 15-21, 93)
	(Co-author)	Warrants - A More Profitable Investment channel	Fortune India (Nov. 1-15, 93)
		Shareholders' Score Board- Weighing Companies Fundamentals	Fortune India (Dec. 16-31, 93)
		SEBI FIAT - The Acid Test of the Stock Market Boom	Financial Wizard (Dec. 20, 93)
		The Bombay Strike Exchange	The Metropolis on Saturday (Jan. 8-9, 94)
		Secured Premium Note An Innovation Or Regression ?	Fortune India (Jan. 16-31, 94)
		Public Issue Note for Public	Fortune India (Feb. 16-28, 94)
		Account form of Balance Sheet English V. American Tradition	The Bombay Chartered Accountant Journal (Feb. 94)
		Proportionate Allotment Matrix	Fortune India (March 1-15, 94)

### II. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person	University/Institution and Date	Title of Lecture	Capacity in which participated
	Shah J.M.	Railway Staff College, Ministry of Railway, Govt. of India. Baroda	Ratio Analysis	Visiting Faculty
		Railway Staff College, Ministry of Railway, Govt. of India, Baroda	Standard Casting & Variance Analysis	Visiting Faculty

Railway Staff College, Ministry  
of Railway, Govt. of India, Baroda  
Railway Staff College, Ministry  
of Railway, Govt. of India, Baroda

Marginal Casting

Visiting Faculty

Inflation Accounting

Visiting Faculty

Railway Staff College, Ministry  
of Railway, Govt. of India, Baroda  
(Oct. - Nov. 1993)

Working Capital  
Management

Visiting Faculty

### III. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC. :

Sr. No.	Name of the Persons	Programme Place & Date	Capacity in which Participated
1.	Shah P. M.	24th Gujarat Economics Conference at Sardar Patel Univ. Vallabh Vidyanagar, 8-9 May, 94.	As a member of Gujarat Economics Association.
2.	Mohite M.D.	Changing role of women in Economic Development : Indo-Canadian Perspectives Organised by Dept. of Bus. Economics, Faculty of Commerce, UGC Centre for Canadian studies MSU, Baroda. Indian Associal for canadian studies, jointly sponsor at Hotel Rama Inn, Baroda. 26-27 Feb. 94.	Chair the Session "Accounting for Women's Work."

## Faculty of Medicine

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Skin &amp; VD.</b>			
	Marfatia Y. S.	Gonorrhoea : Clinical Hand Book on STD and Aids.	Indian Medical Association, Gujarat Branch, Ahmedabad, '94.
<b>Department of Obst. &amp; Gynec.</b>			
	Maitra N.	Anaemia in Pregnancy,	Pregnancy at risk - current concepts published by Fedration of O & G societies of India, Committee of clinical Research & Adolescent problems 1993.
		Maternal manifestations of Malaria in pregnancy - a review.	Vakil & Sons, Bombay.

### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
<b>Department of Obstetrics &amp; Gynaecology</b>			
	Hazra M.N.	High Risk Pregnancy "Anaemia in Pregnancy.	Federation of Obst. & Gynec. India, Nov. 93.
		Cytopathology of uterine cervix using the Bethasada system in 2800 screened individuals.	Jr. O & G India, 43 (3) 403, June '93.
		Burns in Pregnancy : Experience of a decade	Jr. O & G India, 43 (6), 867. Dec. '93.
<b>Department of Physiology</b>			
	Palan B.M.	A comparative study of imramine and self hypnosis training in management of nocturnal enuresis.	American journal of clinical Hypnosis, Oct. 1993.
<b>Department of Pharmacology</b>			
1.	Desai S. V.	Rational of nutritional anaemia	Bull. of Society for Rational Therapy, April 1993.



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|----|--|--|---|
| 2. | Jani M.B.<br>Chandvani S.<br>Hathi G. &<br>Brahmbhatt S. | Annual National Conf. of APPI held at Trivandrum,<br>27-29th December, 1993. | Respiratory efficiency during<br>fasting state.                             |
| 3. | Pathak N.R. &<br>Palan B.M.                              | 2nd National Conference in Yoga Therapy,<br>New Delhi, 3-5th February, 1994. | Stressors and stress reactions in<br>diabetic and hypertensive<br>subjects. |

**Department of Pharmacology**

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|----|---|---|--|
| 1. | Kantharia N.D.<br>Bhatt J.D. &<br>Hemavathi K.G.    | Decennial Conference Gujarat Chapter<br>Ahmedabad, 29.1.94. | Alteration in<br>tractile responses of isolated<br>Rabbit aortic strips to Phenyleph-<br>rine in hyper cholesterolemic<br>and ABANA treated rabbits.           |
| 2. | Vachharajani H.S.<br>Bhatt J.D. &<br>Hemavathi K.G. | Decennial Conference Gujarat Chapter<br>Ahmedabad, 29.1.94. | Effects of chronic treatments with<br>cholesterol and ABANA on<br>relaxation induced by Isopena-<br>line in isolated tracheal chain<br>preparation of Rabbits. |

**Department of Forensic Medicine**

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|------------|---|--|
| Shah V. R. | Forensic Medicine Department Medical College,<br>Amritsar - Feb. '94. | Situs inversus and its<br>medicolegal aspects. |
|------------|---|--|

**Department of Medicine**

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|--------------|--|---|
| Pathak K. J. | 42nd Annual Conference of Neurological Society of<br>India, 'Nurocon' at Madras, 16-19, December, '93. | Study of intermediate syndromes<br>in organophosphorus poisoning. |
|--------------|--|---|

**Department of Skin V.D.**

- |               |  |  |
|---------------|--|--|
| Marfatia Y.S. | VII International Congress of Dermatology organised<br>by Indian Association of Dermatologists<br>Venerologists, Leprologists, New Delhi, '94. | Severe cutaneous reactions due<br>to anti-tuberculous drugs. |
|---------------|--|--|

**Department of Surgery**

- |    |             |   |  |
|----|-------------|---|--|
| 1. | Patel M. R. | X Asia Pacific Federation Congress of International<br>College of Surgeons, Bangalore, Nov. 17-21, '93. | Value of Imprint cytology,<br>Fnac and Frozen section in the<br>diagnosis of breast lumps : A<br>study of 200 cases.<br><br>A prospective study of 500 cases<br>of post injection abscesses. |
| 2. | Thakore V.  | Annual conference of the Association of Surgeons of<br>India.   | Evaluation of the role of C.T.<br>Scan in the diagnosis of head<br>injury : A study of 100 cases.  |

**Department of Radiolog**

- |    |            |  |   |
|----|------------|--|---|
| 1. | Vohra P.A. | 47th National congress of Indian Association of<br>Radiologists, Cochin, Kuata 4th to 8th Feb. 94. | Metaphyseal dysplasia - a<br>differential diagnosis of rickets. |
|----|------------|--|---|

2. Brahmabhatt P.  
Vohra P.A.  
Shah S.D.  
Amin H.J.  
Jhala P.J.  
Thomas K.M.
- 3rd National congress of ultrasonography, Bhopal,  
3-5 December, '93.
- Ultrasonic appearance of palpable mammary carcinoma.
- Department of Anaesthesia**
1. Rawal H.H.
- All India Conference, Indian Society of Anaesthetist,  
Bangalore.
- Continuous spinal anaesthesia  
Balanced epidural anaesthesia
2. Patel H.J.
- All India Conference. Indian Society of Anaesthetist,  
Bangalore.
- Anaesthetic Management of carotid Aneurysm
- Department of Paediatrics**
1. Shah A.R. &  
Gandhi D.J.
- Annual conf. of IAP - Role of ARF in Rx of P.E.M.  
XIII N.N.. conference held at Baroda Dec. '93.
- Role of ARM in management of P.E.M. children : outcome of Neonatal science
2. Shendurikar N.
- 8th Asian congress of Pediatrics
- Quantification of UP/UC ratio.
3. Javdekar B.D.
- Annual Conference of Gujarat IAP Dec. '93. N.N.F. conference
- Role of ARF as lowbulk calorific diet for Rx. of P.E.M. Outcome of L.B.W. babies
- Department of Preventive and Social Medicine**
- Baxi R.K.  
Kotecha P.V.  
Majumdar V.S.  
Shah A.U.  
Verma P.B.  
Godara N.  
Solanki D.  
Misra S.  
Shah D.
- Gujarat Chapter - IAPSM IIInd Conference at Medical  
Surat, 8-9 Jan. '94 & Iodine Deficiency diseases Seminar.
- Comparison of U.I.P. Evaluations
- Department of Obstetrics & Gynecology**
1. Desai P.
- XXXVIII All India O & G Congress Calcutta, Dec. '93.
- Premature ovarian failure  
Burns in Preg. : An experience of decade.  
How distressing was the fetal distress.  
Breech delivery abdominally or vaginally.  
Reducing the requirement of KMG by pretreatment with CC.  
Comiphene citrate : Accompaniments, Accomplishments & rationality.
2. Maitra N.
- All India O & G Congress - Dec. '93.
- Utilisation of Referral
- All Guj. State Conf. Bharuch.  
SOGOG meeting, Bhavnagar, 5-6 March '94.
- Decidual Activation
- IV Midterm Academic Convention of SOGOG,  
Junagadh, 7.2.93.
- Decidual Activation
- All India W. Shop of HIV/AIDS 28, 29, 30 March 94.
- HIV and pregnancy

3. Shah S.H. Isoparb National congress Jan. '94. Meconium staining with foetal outcome.  
Outcome of infants born of LSCS for foetal asphyxia.
- Jamnagar State level conf., 9-10 Oct. '94. Follow up of babies born of LSCS  
Clinical Evaluation of  
Tubo-ovarian masses.
4. Desai A.N. Gujarat State O & G Conf., Jamnagar Oct. '93. Preterm LSCS : A Challenge.  
Germ Cell Tumour : A Review.  
Vaginal delivery after previous LSCS.

#### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr No.	Name of Person(s)	University/Institution and Date	Title of Lecture
<b>Department of Physiology</b>			
	Palan B.M.	National Institute of Mental Health and Neurosciences Bangalore, Nov. 6, 1993.	Clinical Hypnosis
<b>Department of Pharmacology</b>			
	Desai S.	Faculty of social work (MSU) Social defence dept. (Govt. of Guj.) and Indian Asso. for promotion of Adoption, Bombay 16.7.93.	Panel discussion on adoption
		Indian Asso. for Advancement of Medical Education 25.7.93.	Panel discussion on Medical Education : which way ?
		Scientific meeting of Bhailal Amin Charitable Medical Hospital, Baroda 27.7.93.	Beta-lactatoma inhibitors
		Indian Asso. for Advancement of Medical Edu. 18.9.93	Modular teaching on Malaria : Drugs in Malaria.
		Symposium on Arthritis, Indian Asso. Vadodara Branch Dec. 17.10.93.	Drugs therapy of Osteo-arthritis.
<b>Department of Microbiology</b>			
	Saxena S.B.	Federation building Baroda 22.1.94	Current status of AIDs.
		GNFC Auditorium Bharuch, IMA 23.1.94.	Current trends in the Lab. diagnosis of Tuberculosis.
<b>Department of Forensic Medicine</b>			
1.	Deshmukh R.	Conf. of Indian Med. Asso. Guj. Branch April, '93.	Medical Practitioners, Medical Ethics and Consumer Protection Act.
		Orientation programme to Med. Officers - March '94.	Forensic Medicine
2.	Shah V. R.	Indian Medical Ass. Bhavnagar Aug. '93.	Medicolegal consultation in private practice.
		Asso. of Pathologist of Saurashtra - Rajkot Mar. '94.	Forensic aspect of pathological practice

**Department of Medicine**

- Pathak K. J. Society for Rational Therapy 10.10.93.  
Sum Pharmaceuticals Ltd. 5.3.94.  
Rebriefing session of operation Dhumketu : a disaster management exercise at IPCL site by DCPC Baroda 22.9.93.  
Symposium on national problem by Gayatri Parivar, Mahatma Gandhinagar Griha 19.10.93  
Saptrushi C. Dham Trust Baroda 22.8.93 at BMU Hall

Bronchial asthma  
Management of allergy in general practice  
Observation and detailing of Chief Medical experts in the Disaster Management.  
National problem as regards Gen. health.  
Health & Fitness

**Department of Skin & VD.**

- Marfatia Y.S. Society for Rational therapy, Vadodara, 5.12.93 IMA Hall  
Indian Asso. of Dermatologists, Venereologists, Leprologists, Bhavnagar, 12.12.93.  
Indian Medical Association, Vadodara 22.2.94

Psychosexual disorders.  
Recent Advances in Leprosy  
AIDS - How to Safeguard Yourself.

**Department of Ophthalmology**

- Pandya N. Bhavnagar Ophthalmologist Association 16.9.93  
Baroda Paediatrics Society 30.1.94  
Baroda Ophthalmologist Soc. 6.2.94.

Recent Advances in contact lenses  
Pediatric Ophthalmology  
Medical Management of Glaucoma

**Department of Anaesthesia**

- Rawal H.H. S.E.M. Medical College, C.M.E. Intensive care unit, Jodhpur, 13-14 March '94.

Acid base disturbances in intensive care unit.

**Department of Pediatrics**

- Shah A.R. S.G. Rational therapy  
Gandhi D.J.  
Shendurikar N.  
Nayak U.S. Mehsana EOGI Branch revision course - Gujarat IAP Br.  
Javdekar B.B. & Aiyer S.
- Nayak U.J. Indian Medical Association Baroda Br. 23.2.94.  
Gujarat Voluntary Health Association 10.7.94.  
Postgraduate revision program - IAP Guj. Br. Annual Conf.
- Aiyer S. NNF National Convention, CME at Baroda, 17.12.93.

Malaria in childhood : Management of low birth Wt. babies.  
Management of shock

Respiratory tract inf. in children.

Update on Antibiotics

Acute encephalopathies in childhood.

Vascular Access in new born.

## Department of Obstetrics &amp; Gynaecology

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|---------------|---|--|
| 1. Hazra M.N. | <p>International conf. on Preg. at risk, Bombay, Nov. 93.</p> <p>XVIII All Guj. O &amp; G Conf., Jamnagar Oct. '93.</p> <p>Workshop on Safe Motherhood &amp; child survival Feb. '94, Baroda.</p> <p>Xth National Cong. of Perinatology at PGI, Chandigarh 20.1.94.</p> <p>Parivar Seva Sanstha &amp; Ford Foundation under Innovation of F.P. Program, 22-23 Feb. '94 Agra.</p>  | <p>Antepartum haemorrhage &amp; Perinatal outcome.</p> <p>Haemorrhage in Obst.</p> <p>"Improving the Maternal &amp; child health through peripheral" approach &amp; Training to grass-root level.</p> <p>Perinatal outcome in existing safe motherhood program.</p> <p>Service delivery system in induced abortion.</p>  |
| 2. Desai P.D. | <p>Sri Lankan College of Obst. &amp; Gynec. Colombo July '93.</p> <p>Madhyakerala O &amp; G Society, Ernakulum Aug. 93.</p> <p>Surat O &amp; G Society, Surat Aug. '93.</p> <p>State Organisation of Gynecologists and Obstetricians of Gujarat : Annual conf. Oct. 1993.</p> <p>Bharuch O &amp; G Society, Bharuch Oct. '93.</p> <p>Indian Academy of Juvenile &amp; Adolescent Gynecology &amp; Obstetrics : Manipal, Karnataka, Nov. 93.</p> <p>International conf. on Preg. at risk, Bombay November, 93.</p> <p>Academic asso. of Baroda Hosp. Baroda Nov. 93.</p> <p>Bhavnagar O &amp; G Society, Bhavnagar Dec. 93.</p> <p>Federation of O &amp; G Societies of M.T.P. XXXVIII All India O &amp; G Cong. Calcutta, Dec. 93.</p> <p>Indian Academy of Human Reproduction : IInd Annual Conf. Sangli, Jan. '94.</p> <p>National Asso. of Vol. Sterilization of India : North Zone conf. Feb. 94.</p> | <p>Recurrent spontaneous abortions - current concepts.</p> <p>1. Foetal surveillance<br/>2. Immunology of recurrent spont. abortion.</p> <p>R.S.A. Current concepts.</p> <p>Adolescent Contraception</p> <p>Clomiphene Citrate : Revisited.</p> <p>Adolescent Hypermenorrhagia</p> <p>Management of labour previous C.S.</p> <p>Chlamydial infections in O &amp; G practice.</p> <p>C.C. : Revisited</p> <p>M.T.P. : Quovadis Antibiotics in Preg.</p> <p>Panel discussion R.S.A. Meeting the challenge of chlamydia in O &amp; G practice</p> <p>Immunology of R.S.A.</p> |
| 3. Shah S.H.  | <p>Mehsana Workshop on 30-31st Oct. 93.</p> <p>Bhavnagar, 3rd &amp; 4th March, '93.</p> <p>Amereli, 3.3.94.</p> <p>Dhari, Workshop 3 &amp; 4 March, 94.</p> <p>Jamnagar, 9 &amp; 10 Oct. '93.</p> <p>Modular teaching Faculty, 18.9.93.</p>   | <p>Medical Disorders in preg.</p> <p>What is New in First trimester USC</p> <p>Ultrasonography</p> <p>Intranatal care</p> <p>Role of doctors of PHC/CHC district level in safe motherhood.</p> <p>Malaria in preg.</p> <p>Preterm delivery</p>   |
| 4. Desai A.N. | <p>Workshop of Safe motherhood, Baroda Feb. '94.</p>  |  |

V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
<b>Department of Anatomy</b>			
	Master D.C.	Indo Japan International workshop on Molecular Genetics.  Sponsored by Sanjay Gandhi Postgraduate Institute of Medical Services, Lucknow & Japan Co-operation Agencies Japan.	Genetic Counsellor & Geneticist.
<b>Department of Physiology</b>			
1.	Palan B.M.	Workshop "Behavioural Management of Anxiety, "NIMHANS, Bangalore, Nov. 2.6.1993.  Self Hypnosis for stress management workshop for Doctors Medical College, Baroda. Jan-Feb. 1994.	Participant  Organiser & Faculty
2.	Pathak N.R.	Workshop on "Biomedical Technolog in Research in Yoga" 2nd Feb. '94, New Delhi, DIPAS.	Participant
<b>Department of Pharmacology</b>			
1.	Hemavathi K.G.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
2.	Bhatt J.D.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
3.	Desai S.V.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
4.	Tripathi C.B.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
5.	Bhattacharya P.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
6.	Dantharia N.D.	Decennial conf. of Indian Pharmacological Society, Gujarat Chapter at Ahmedabad on 21.1.94.	Delegate
7.	Desai S.V.	Workshop on "Over the counter (OTC) drugs" Baroda dt. 16.5.93 organised by Society for NGCs of Baroda.  Conf. of Haematology update, Mayo Hospital, Baroda 13-14 June '93.	Moderator  Moderator
<b>Department of Microbiology</b>			
1.	Saxena S.B.	Training workshop for Physicians on AIDs (Diagnosis, Management, counselling & Reporting) Medical College, Baroda, 2 to 6.3.94.	Organiser & Secretary
2.	Lakkad V.J.	Tech. Transfer programme in RF/RHD by ICMR at New Delhi 7-9 March, 94.	Delegate
3.	Date V.S.	Training workshop for physicians on AIDS (Diagnosis, Management, Counselling & Reporting), 2-6 March, '94. Medical College, Baroda.  National Gel diffusion technology workshop, Medical college, Nagpur, Jan. 10 -15 '94.	Delegate  Participant

**Department of Skin VD.**

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|----|---------------|--|-------------|
| 1. | Marfatia Y.S. | Reproductive Tract Infections in Females Alkapuri, Baroda, 18-20 Jan. '94.                 | Delegate    |
|    |               | VIIIth International Cong. of Dermatology, New Delhi, Feb. 26 to March 2, 1994             | Delegate    |
|    |               | Workshop for Physicians related with AIS management Medical College, Baroda 3-6 March '94. | Participant |
|    |               | Workshop on STD/AIDS prevention, Vadodara 28-30 March, '94.                                | Delegate    |
| 2. | Mistry M. H.  | VIIIth International Cong. of Dermatology, New Delhi, Feb. 26 to March 2, 1994.            | Delegate    |

**Department of Radiology**

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|------------------------|---|----------|
| Amin H.J. & Patel D.B. | CME on Ultrasound, 12-13 March, '94 Ahmedabad | Delegate |
|------------------------|---|----------|

**Department of Anaesthesia**

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|----|----------------|--|---------------------|
| 1. | Rawal H.H.     | Guj. State Br. Conf. of Indian Society of Anaesthesia Oct. '93 Surat.  | Chaired the session |
|    |                | Workshop on Obst. anaesthesia held by O & G Soc., Baroda, Oct. '93.    | Guest Lecturer      |
| 2. | Upadhyaya R.N. | Guj. State Br. Conf. of Indian Society of Anaesthesia, Surat Oct. '93. | Guest lecturer      |

**Department of Paediatrics**

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|----|---|--|--|
| 1. | Modi U.J.<br>Shah A.R.<br>Gandhi D.J. &<br>Shendurikar N. | Seminar on "Adolescent" held by Faculty of Social Work I.C.S.L. programme under C.S.S., Govt. of India, 28.3.94 to 2.4.94.<br>Programme coordinator for CSSM Workshop held at Baroda Medical College in April, '94.  | Guest speaker<br>On deputation<br>On deputation                              |
| 2. | Aiyer S.  | AIDS training<br>Leadership training programme of Chicago, USA.  | Deputation as delegate.  |
| 3. | Javdekar D.B.   | Control of Rheumatic fever ICMR workshop, New Delhi ICMR Head quarters.  | Deputation as delegate.  |
| 4. | Nayak U.S.  | Integrated clinical skills training programme under CSSM program of the Govt. of India, Delhi, 28th March, 2nd April '94.<br>Conducted workshop of 'ITST' for Medical Officers of Baroda district, 25-30 April, '94 & 2-9 May '94.<br>Under the CSSM programme of Govt. of India attended the International Neonatology Exchange.<br>Programme (National Neonatology Forum of India) 2.8.93 to 1.10.93, Chicago University, Illinois Chicago, USA. | Deputation as a Trainee<br>Resurce person<br>Selected as trainee participant |

**Department of Preventive and Social Medicine**

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|----|--------------|--|---|
| 1. | Kotecha P.V. | Tata Inst. of Social Science, Health Management Flourosis control, Bombay<br>Control of Rheumatic Heart Dz., ICMR, New Delhi | Delegate<br>State Delegate for training |
|----|--------------|--|---|

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|----|-----------|---|--|
| 2. | Baxi R.K. | National Teachers Training Centre, PGI, Chandigarh<br>10 days training                            | State Delegate for training            |
|    |           | Women, HIV & AIDS - International workshop, Centre for Womens studies, M.S. University of Baroda. | Delegate & Participation as an expert. |

**Department of Obstetrics & Gynaecology**

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|----|------------|--|------------------------------------|
| 1. | Hazra M.N. | XVIII All Guj. O & G Conf. Jamnagar, Oct. '93.   | Guest speaker                      |
|    |            | Symposium "Education in Perinatology" Xth National Congress of Perinatology, Chandigarh 22.1.94.                     | Chairperson                        |
|    |            | Workshop on Safe motherhood & child survival Feb. '94. Baroda.   | Organised                          |
|    |            | T.O.T. - Workshop - Standard Methods of Voluntary Surgical Contraception for Male & Female - during the year 1993-94 | Organised & conducted              |
| 2. | Desai P.D. | XXVI Annual Conf. of Sri Lanka College of O & G, July 93, Colombo.   | International Guest speaker        |
|    |            | Annual conf. of Madhya Kerala O & G Society, Ernakulum August, 1993.   | Guest speaker & Chairman           |
|    |            | XVIII All Guj. O & G Conf., Jamnagar Oct., '93.  | Guest speaker                      |
|    |            | International conf. on preg. at risk, November, '93 Bombay.  | Guest speaker                      |
|    |            | XXXVII All India O & G Congress, Calcutta - Dec. '93.  | Awardee, Guest speaker & Panelist. |
|    |            | II National Conf. of IAMR, Sangli, Jan. '94.   | Guest speaker                      |
|    |            | North zone conf. of NAVSFWI, Agra, Feb. '94.   | Guest speaker                      |
|    |            | III Midterm Intersociety Academic Conversion of COGOC, Karamsad, March '94.  | Convenor of Science Committee      |
| 3. | Maitra N.  | Ultrasonography workshop - Wadia Mat. Hospital Bombay May 1993.  | Trainer                            |
|    |            | Gynecological Reproductive Morbidity Workshop, Baroda January '94.   | Participant                        |
|    |            | Workshop on HIV/AIDS, Baroda, March 1994.  | Participant                        |
|    |            | Workshop on Safe motherhood and child survival, Baroda.  | Faculty                            |
| 4. | Shah S.H.  | Indo-US Workshop 16-17 January '94 on Mat. & Health.   | Participant                        |
|    |            | CSSM workshop 12-13 February '94 Baroda Municipal Corporation.   | Participant                        |
|    |            | CSSM National FOGSI NNF workshop TOT, 8-11 Sept. '93.  | Participant                        |
|    |            | USG in Infertility - seminar April, '94 Baroda.  | Participant                        |
|    |            | intranatal Care - CSSM workshop, Dhari 3-4 March '94.  | Participant                        |

## VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Description of the Award
<b>Department of Ophthalmology</b>		
	Sudhalkar A. M.	Fellow Retina Foundation Ahmedabad Fellow Neurophth anterior segment and Retina, Mermann by Centre honston Tx USA  Award of Appreciation as Chairman sight conservation committee Lion Club Baroda Main  Award of appreciation Govt. of Guj. for publication of Gujarat Booklet on organization of Eye camps.
<b>Department of Obstetrics &amp; Gynaecology</b>		
	Desai P.	FOGSI Tamaskar National Award for the most outstanding work in infertility, Calcutta, Dec. 1993.
	Maitra N.	FIGO International Young Scientist Award, 1994.

# Sheth Ujamsinh Pitambardas Ayurvedic Research Unit

## 1. FUNCTION OF THE UNIT

The function of the Sheth U.P.A.R. Unit is to do Research on Ayurvedic Medicine.

## 2. LIBRARY

The Unit has a Library of its own with about 2,500 books on different subjects such as ayurvedic Medicines, Pharmacology, Botany, Chemistry, Pathology etc. However, the total number of the books remained the same for some years as no book have been added.

## 3. MUSEUM

Fifty groups of available medicinal herbs, each group containing of 10 drugs according to Pharmacological classification are arranged and maintained. A section of Ayurvedic Medical Preparation is also provided. Work carried out in the Unit is exhibited separately. There are about 1,000/- ayurvedic specimens, 54 herberium frames, 7 original Ayurvedic Photo Frames, 75 specimen jars of fresh herbs preserved in solution and 16 charts and maps. About 300 specimens have been collected for the hereberium and are classified. A map of India showing the distribution of important medicinal plants is exhibited in the museum.

## 4. RASASHALA

There is a rasashala for preparation of some of the Ayurvedic preparation for the O.P.D. patients and for research. However the rasashala is unused these years.

## 5. GENERAL AYURVEDIC O.P.D.

During the year 1993-94 total 4288 patients were treated in the O.P.D., out which the new cases wee 1271 and the old cases were 3017.

## 6. ACTIVITIES OF THE UNIT

Research in the following thrust areas have been identified for next 5 years:

1. Allergic disorders of all types.
2. Protozoal diseaces (ICMR) Priority subject
3. Arthritis
4. <sup>a</sup>Pediatric diarrhoea.

The three drugs, which are mentioned below are Allergy are under study :

1. Curcuma Conga Haridra
2. Barberisarstata Daruhaharidra
3. Picorhiza kurrea - Kutaki.

### RESEARCH AT O.P.D. LEVEL

1. Vatavyadhi - Grudhrasi - Parijatpatraquatha
2. Vishamjwara - Parijatpatraquatha  
Parijatak - Nyetanthus arbortristis

The above scheme was started during the year 1990-91 and is still continuing.

**7. USE OF THE S.S.G. HOSPITAL**

The Unit has arranged for the use of beds in S.S.G. Hospital through the Honorary Physician attached to S.S.G. Hospitals as well as to the Unit, for the purpose of clinical trials.

**8. STAFF**

Seth U.P.A.R. Unit has following staff :

One Director who is responsible for the administration, one Jt. Director, one Honorary Physician, one Research Officer, one Assistant Research Officer, one Ayurvedic Compounder, one Jr. Clerk, one peon and one sweeper.

## Faculty of Technology and Engineering

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Names of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Applied Mechanics</b>			
1.	Shroff A.V.	<i>Grouting Technology in Dam Construction and Tunnelling</i>	Oxford and IBH Publishing Co. Ltd.
2.	Shah Hiten J. (Co-authored with Prof. S.B. Junnarkar)	<i>Mechanics of Structures Vol. II (14th Edition)</i>	Charotar Publishing House, April, 1993.
3.	Junnarkar S.B.	<i>Applied Mechanics (13th Edition)</i>	Charotar Publishing House, October, 1993.
<b>Department of Mechanical Engineering</b>			
1.	Patel R.C. Shukla H.J. Bhatt G.D. Panchal V.M. Rajput H.G.	<i>Advanced Strength of Materials</i>	C. Jamnadas and Co.
2.	Shikh S.S. Patel R.C. Pandya A.D. Rajput H.G.	<i>Machine Design, Vol. I</i>	C. Jamnadas and Co. May 93.
3.	Shikh S.S. Patel R.C. Pandya A.D. Patel B.M.	<i>Elements of Hydraulics</i>	C. Jamnadas and Co. April 93.
4.	Shikh S.S. Patel R.C. Pandya A.D. Patel B.M.	<i>Elements of Hydraulic Machines</i>	C. Jamnadas and Co., June 93.
<b>Training and Placement</b>			
	Patel R.C. Pandya A.D. Rajput H.G. Shikh S.S.	<i>Machine Design, Vol. I and Vol. II</i>	C. Jamnadas and Co. Bombay Vol. I - June 1993 Vol. II - June 1990

## II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
<b>Department of Applied Mechanics</b>			
1.	Shroff A.V.	Concrete Mix Design using Chemical Admixture for Narmada Dam Power House Tunnel Support.	Proc. of Int. Seminar on SMFE of Iran Vol. 3, Nov. 1993.
		Ground Improvement Techniques State of Art-General Report.	Abstract Volume of International Conf. on SMFE, P.P. 301, Jan., 1994.
		Canal Lining by Geotextile Grouted Mattress.	Proc. Vol. of Workshop on canal Lining by Central Board of Irrigation and Power held at Bikaner, Jan. 1994.
2.	Patodi S.C. & Deshpande J.	Development of Pre, Main and Post Expert System Stages for Structural Design.	Jr. of International Association for Bridges & Structural Engg. Vol. XXIII, No. 3, Sept., 1993.
3.	Patodi S.C. & Sharma R.K.	Development of Processors for the Design of Beams.	American Society of Civil Engg. News, pp 8-11, Oct.-Dec., 1993.
4.	Patodi S.C. & Parikh K.R.	Computer Aided Concrete Mix Design : IS Method.	Jr. of Engg. & Tech., S.P. Uni., Vol. B PP 43-45, Dec. 1993.
		An Expert System Package for Concrete Mix Design.	Jr. of Civil Engg. & Construction Review Vol. 7, No. 2, PP 42-43, Feb. 94.
5.	Giri P.	Performance of Skirted Foundation in Sand Subjected to Vibration.	XIIIth ICSMFE Jan. 1994. New Delhi.
6.	Dhananjay L.	Scour Protection of radials of a Collector well.	Jr. of Indian Water Works Association Jan.-March 94 issue.
7.	Pandya I.I.	Structure - Tie Approach in Deep Beams	Jr. of Engg. & Technology Sardar Patel University, V.V. Nagar, Dec., 1993.
<b>Department of Computer Science</b>			
	Parekh B.S.	Computer Education in School	CSI Publication 1993/94.
<b>Department of Civil Engineering</b>			
1.	Geethananath H.Y. Kantawala H.B. & Ramaniah C.	Effective Utiliation of Available Remote Sensing data for High-way Projects.	M. S. University Research Journal, Baroda.
		Accepted for publication in October, 1994 issue.	
2.	Bhatt N.M.	Anaerobic Biodegradation of a Petrochemical Waste water using biomass Support particles.	Applied Microbiology Biotechnology No. 40, 1993 Srinagar Verlag 1993 Heidelberg.
3.	Bhatt K.S.	Present Status of Solid waste Management Under Indian Conditions.	Civic Affairs July 1993 - Vol. AO.

**Department of Mechanical Engineering**

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|----|-----------------------------|--|--|
| 1. | Nanavati J.I.<br>Fedke A.S. | Determination of Oil Temperature of a Low Speed two Bearing Assembly of Vertical Machines. | The Institution of Engineers (India) Mech. Engg. Journal February, 1994. |
| 2. | Shikh S.S.<br>Solanki D.C.  | Status of Renewable Energy Education in India.   | National Solar Energy (GEDA) Dec., 11 1993.                              |

**Department of Metallurgy Engineering**

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|----|---|---|--|
| 1. | Chourasia N. C.<br>Kalkundri S.B.<br>Gadgeel V.L. | Mechanical Properties of Copper Films.  | Crystal Research Technology, April, 1993, Vol. : 25 p. 539.      |
| 2. | Joshi P. B.<br>Gadgeel V. L.                      | Some Studies in Hydrogen Embrittlement of Dual Phase steels by Ultrasonic Method.                         | Tool and Alloy Steels, Feb., 1994, p. 17.                        |
| 3. | Purohit H., Sant S.<br>Vijay V., Basa Dilip K.    | Development of Vegetable Oil Based Core-oil Binders.  | Transaction of Inst. of Ind. Fourm. 1994, Vol. 4 p. 217.         |
| 4. | Dutta S. K.,<br>Lele Avinash B.                   | Recovery of Metals (Fe, Mn) from Steel making Slag.   | Tool & Alloy Steels, June, 1993, Vol. 27 (6) p. 149.             |
| 5. | Dutta S. K.,<br>Lele Avinash B.                   | Reoxidation of sponge iron and its preventive measures.   | Tool and Alloy Steels, Vol., 27, (II) Nov., 1993, p. 349.        |
| 6. | Dutta S. K., Ghosh A.                             | A New Methods for Measurement of Degree of Reduction in Composite Pellets of Iron Ore With Carbon Matter. | I.S.I.J. International, 1993, Vol. 33 (10) p. 1104.              |
|    |   | Kinetics of Gaseous Reduction of Iron Ore.  | I.S.I.J. International, 1993.                                    |
| 7. | Dutta S. K., Ghosh A.                             | New Charging Material for Cupola.   | Proc. 42nd Annual Conversion, IIF, Ahmedabad, Jan., 1994 p. 123. |
| 8. | Raval S. R.                                       | Recovery of Clunamium from Industrial Waste Using Chelation Techniques.                                   | I.I.M. News Baroda, Dec., 1993 p. 14.                            |

**Department of Architecture**

- |    |           |   |  |
|----|-----------|---|--|
| 1. | Shelat U. | Urban Management An Indian Experiences. | Journal of the Ottawa University, Dept. of Urban Design and Planning, Jan., 94, Canada.  |
| 2. | Vaidya C. | Women, Housing and Cost Recovery.       | Shelter, Special issue on Housing and Women, Published by HUDCO, Oct., 1993.<br><br>All India Housing Development Association Journal, Vol. 2, 93. |

**Department of Textile Chemistry**

- |    |                              |  |  |
|----|------------------------------|--|--|
| 1. | Mairal A. K. &<br>Guha S. B. | "Solvent Assisted Dyeing of Polyester."          | Textile Industry and Trade Journal March-April, 1994.      |
| 2. | Shah S. R. &<br>Guha S. B.   | "Basic Concepts of Dyeing of Cellulosic Fibres." | "Textile Association Bulletin News" Vol. No. XX - Dec. 93. |

**Department of Textile Engineering**

1. Kapadia V.H. "Intermingling of Filament Yarns". "Fibre to Finish". G.C.T.I. Kanpur Vol. XXXI, 1993.
2. Someshwar Bhattacharya & Hireni Mankodi Elucidation of the Influence of Yarn Speed and Guide on Yarn Frictional Properties. "Fibre to Finish" G.C.T.I. Kanpur Vol. XXXI, 1993.
3. Vernekar S.T. & Shah N.N. Study of Some Tensile Properties of the Fabrics. Indian Textile Journal Nov. '93.
4. Vernekar S.T. Shuttleless Weaving Machines. TAB News Dec. 1993.  
Healds : Types and Performance Textile Industry and Trade Journal Jan-Feb. 1993.  
India's Traditional Textiles Textile magazine Dec. '93.
5. Kapadia V.H. Draw Frame Levelling TAB News Dec. '93.

**Department of Applied Mathematics**

1. Kantawala P.S. & Agrawal S.R. On  $(N, P_n)$  Summability of Orthogonal Series. Journal of Indian Academy of Mathematics, Vol. 16 No. 1 (1994).
2. Shah B. & Patel C.M. On the Cesaro Mean of Orthogonal Series. The Journal of M.S. Univ. of Baroda No. 3, Vol. 41 (1994)  
On the Strong  $(R, T_n, 1)$  Summability of Orthogonal Series. Indian Journal of Mathematics Vol. 35 (1993) 1-8.
3. Pathak V.D. Module on Optimization Workshop Proceeding of workshop on Ind. Math., Organised Jointly by M.S.U. and I.I.T. Bombay at Faculty of Tech. & Engg. Baroda in July 94.  
2 Modules on Constrained Optimization Linear & Nonlinear. Workshop Proceeding at Workshop on Engg. Optimization organized by I.I.T., Bombay in March 1994.
4. Pathak V.D. & Vyas Mamta N. Parameter Estimation in Log Data Analysis in Oil Exploration. Proceeding of the II Annual Conference of Indian Soc. of Indian Soc. of Industrial and Applied Mathematics. Feb., 94 at Anna Uni., Madras.
5. Suryadevara Ramamohan S., Puri A.K. & Vakaskar D.C. Finite Element Methods Proceeding of workshop on Industrial Mathematics July 1994 (Distributed to participants and institutions & other institutions and to be published by Willey Estern Ltd.)

**Department of Applied Chemistry**

1. Vora R.A. & Bharambe D.P. Polymeric Flow Improvers Indian Journal of Technology Vol. 31 Sept. 93 pp. 633-635.

2. Vora R.A. & Gupta Renu Unusual Mesogenic Behaviour of Laterally di and tri substituted schiff bases. Bull Chem. Soc. (Japan) 66 (2), 468, 1993.
3. Jejurkar C.R., Zubin Sami A., Dhake K.P. Luminescence Studies and Inter Component Energy Transfer in Some Schiff Base Complexes. Oriental journal of Chemistry Vol. 9, No. 4 (1993) 286-291.

#### Department of Pharmacy

1. Sawant K.K. & Murthy R.S.R. In-vivo Evaluation of Polyisobutyl cyano Acrylate micro particles containing Fluorouracil. Pharmazie, 48 (1993) 10, page No. 783.
- Acrylate micro particles containing Fluorouracil. Indian Journal of Pharm. Sci. 1993, 55 (6), Page No. 221-24.
- Formulation and Evaluation of Poly acrylamide Microcapsules Containing 5 Fluorouracil. Indian Journal Pharm. Sci. 1993 55 (5), Page No. 188-1991.
2. Murthy R.S.R. & Shah Vaishali Formulation and Evaluation of Intranasal drops Containing Rifampicin. Indian Journal of Natural Products, Vol. 8 (2), Dec. 92, Published in July 95.
3. Rao K.S., Kavitha K. & Mishra S.H. Studies on Jack Fruits, Starch as Pharmaceutical adjuvant. National Seminar on Antinuclear and Hepatoprotective agents from Plants.
4. Rao K.S. & Mishra S.H. Plants used in Peptic Ulcer Therapy - Areview. Indian Journal of Pharmacology 1993 25 209-214.
5. Balaraman, R., Hingorani N. & Rathod S.P. Studies on Antihypertensive Effect of Abana in rats. Pharmazie 49, (4) 1994.
6. Rao V.U. & Misra A.N. Enhancement of Intophoretic Permeation of Insulin Acrors Human Cadaver Skin. Drug Development Industrial Pharmacy 20, 1994.
7. Rao V.U. & Misra A.N. Effect of Penetration enhancers on transdermal Absorption of Insulin acrors Human Cadaver Skin. J. Photochem. Photobiol A. Chem. 74 (1993)
8. Nehte, Joshi A.K., Rajput S. & Savita H. Luminescence & Thermoluminseena Study of Polyethylene Polymers. Indian Journal of Pharmacology, 1993, 25 209-214.
9. Balaramana R., Hingorani N. Studies on the Antihypertensive Effect of Abana in Rats. The Estern Pharmacist, May 1993 Page No. 119-120.
10. Sawant K.K. & Murthy R.S.R. Formulation of Controlled Released Egg Albumin Microspheres Containing Nifedipine.

#### Department of Chemical Engineering

1. Subramanyam N. 'Alcohol Scenario in India-93'. 'Biotechnology in 21st Century' Tata McGraw Hill Co., New Delhi 1993.
2. Parikh P.A., Subrahmanyam N., Bhat Y.S. & Halgeri A.B. 'Kinetics of Cumene Synthesis for Ferrisilicate of MFI Structure'. The Canadian Journ. of Chemical Engg. Vol. 71 (5) (1993) 744.
- 'Synthesis of Diiso Propyl Benzene Over Dealuminated Zeolite Beta'. Jour. of Molecular Cetalysis, 88, 1 (1994,) & 5 Elseview of Science Publishers BV, Amsterdam (1993).
- 'Kinetics of Zeolite Catalysed toluene Isopropylation' The Chemical Engg. Journal (1993)

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|----|-------------------------------|---|--|
| 3. | Puranik S.A. &<br>Pandya S.B. | 'Design of Pressure Vessels'.   | Chemical Engg. World Vol. 28<br>No. 9 (1993) 195.      |
| 4. | Divekar M.H.                  | 'Prediction of number of tubers in a shell and<br>Tube Heat Exchanger'. | Indian Chem. Engineer, Vol. 35<br>Nos. 1 & 2 (1993-94) |
| 5. | Divekar H. &<br>Pandya S.B.   | 'Computer Aided Desigr of Heat Exchangers'.                             | Chemical Engg. World, Vol. 27,<br>No. 3 (1993) 167.    |

#### Department of Applied Physics

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|------------|---|--|
| Joshi T.R. | Sodium Chloride in Radiation Dosimetry. | Proceedings of National Semi-<br>nar on Luminescence - Jabalpur<br>1994 January. |
|------------|---|--|

#### Department of General Mechanical

##### Training & Placement

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|----|---|---|--|
| 1. | Choudhary N.P. &<br>Rajput H.G.                                       | Analytical Study of Performance of a Vib-<br>conveyyor.                   | Presented at : National Seminar<br>on Material Handling Technolo-<br>gy for Bulk solids & Powders<br>29th Nov. 93.                                     |
| 2. | Choudhary N.P.,<br>Rajput H.G.,<br>Bhattacharya A. &<br>Banerjee R.N. | P.C. Based Analysis of Arm Distortion of Radial<br>Drilling Machines.     | North (France) conference 1993<br>(A MSE) on Information &<br>Systems methods applied to<br>Engineering Problems.                                      |
|    |   | Software Package for the performance Study of<br>Radial Drilling Machine. | (Full papers accepted but auth-<br>ers could not attend the pro-<br>ceedings due to lack of finan-<br>cial support) (Dec. 1993) (Reprints<br>awaited). |

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Dates of Seminar/Conference etc	Title of Paper
<b>Department of Applied Mechanics</b>			
1.	Shroff A.V.	National Seminar on Pipe Materials Present and Future Sat 11th Dec. 1993.	Geotextile as Flexible Form for Pipe Lining and Restoration of Pipe Pile Strength.
		Engineering Science Session Indian Science Congress January 1994 Jaipur.	Characteristics of Polymer based chemical grouts.
2.	Patodi S.C. & Barai S.K.	Proc. of National Seminar on Aero-Structures. Theme : Fracture Mechanics, Indian Institute of Technology, Kanpur, Dec. 29-30, 1993.	Factors Inlusencing Evaluation of Fracture Mechanics para- meters by Finite Element Method
3.	Patodi S.C. & Patel V.R.	81st Indian Science Congress, Japir, January 3-8 94.	Fortran Graphic Environment for Nonlinear Bending of Circular plates.

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| 4. | Patodi S.C. & Patel J.S. | Paper meeting of Institution of Engineers (India) Civil Engineering Division, Bangalore, February 4-5, 1994.   | Development of Processors for Elastic plastic Analysis of Rigid Jointed 2-D frames.                                      |
| 5. | Patel N.M.               | XIII Inst. Conf. on Soil Mechanics and Foundation Engg. held at New Delhi 5-10 January, 1994. Theme : Ground Improvement Organisers Int. Soc. of Soil Mech. and Foundation Engg. and Indian Geotechnical Soc.<br><br>National Seminar on Pipe Materials Present and Future held at Baroda 11th December, 1993. Organizers : Indian Water Works Association and I.E. Baroda Local Centre. | Reinforcing Soil Subgrades with Geosynthetic Composite Elements.<br><br>Use of Geosynthetics in Transportation of Fluida |
| 6. | Shah D.L.                | Third International conference on case Histories in Geotechnical Engineering held at Rolla University, Missouri, USA, June 1993.<br><br>Workshop on Grouting in Civil Engineering Practices Organised by Inst. of Engineers, Vadodara Local Centre and Indian geotechnical Society, Baroda Chapter August, 1993.   | Lining of Perennial Canals under flowing conditions by Uloamat Grouted Mattress Technique.<br><br>Chemical Grouting      |

#### Department of Civil Engineering

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|----|---------------|--|--|
| 1. | Bhavnani H.V. | Analytical Techniques for Metal Analysis. Organised by Ind. Inst. of Metal, 25.4.1993, Vadodara.<br><br>Institutional Management, Seminar Under ISTE, BVM & Management Institute, Vallabh Vidyanagar 17.03.1994.<br><br>Central School Karelbaug Central Pollution control Board 17th February 1994, Baroda. | Pollution Problems of Urban Areas and Prevention Method. |
| 2. | Bhatt R.D.    | G.S. Institute of Tech. and Science Indore (M.P.)  | Design of Rigid pavements.                               |
| 3. | Bhatt n.M.    | Indian Petrochemicals Corporation Ltd. Dist. Baroda.   | Development without Destruction - 5th June 1993.         |

#### Department of Electrical Engineering

Trivedi A.I.	Personal Communication	P.C. Systems
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#### Department of Mechanical Engineering

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|----|--|---|---|
| 1. | Desai P.B.<br>Kamble L.V.<br>Bindra P. | Recent Trends in Applied Systems Research 1993. Systems Society of India New Delhi National Systems Conference NSC-1993, III Kanpur, 24th to 26th December 1993.  | Some Aspects of Human Factors in Design of Clutch Operation Lever for two Wheelers.   |
| 2. | Nanavati J.I.<br>Fadke A.S.            | Fluid Power Control Research Institute, 20th National Conference on Fluid Mechanics and Fluid Power Palghat, December 15-17, 1993.<br><br>1st National Conferene on Fluid Machinery K.J. Somaiya College of Engineering, Vidya Vihar, Bombay March 11-13, 1994. | Theoretical and Experimental Investigations of bearing Oil Temperature of Hydraulic machines.<br><br>Disensionless Temperature for the Theoretical Prediction of Bearing Oil Temperature of Fluid Machines. |

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| 3. | Nanavati J.I.<br>Lakhera V. | 1st National Conference on Fluid Machinery K.J. Somaiya College of Engineering, Vidya Vihar, Bombay, March 11-13, 1994. | Thermal Stability of Roller Bearing Assembly for Fluid Machines. |
| 4. | Shikh S.S.<br>Solanki D.C.  | GEDA, General Education Auditorium M. S. University of Baroda, December 12-13, 1993.                                    | Status of Renewable Energy Education in India.                   |
| 5. | Shah B.B.<br>Shah R.M.      | National Symposium on Cryogenics Kolhapur, December, 3-4, 1993.   | Experimental Investigation on Crifford Cryo-Refrigerators.       |

**TRAINING & PLACEMENT****GENERAL / MECHANICAL**

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| Choudhary N.P.<br>Rajput H.G. | National Seminar on Material Handling Technology for BNK Solids and Powders Gramyer Research analysis Inst. Baroda/Delhi 29-30 Nov. 93 Express Hotel Baroda. | Analytical Study of Performance of vibrating Conveyer |
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**Department of Architecture**

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|----|----------------|---|---|
| 1. | Shelat U.      | Seminar on "Contemporary Arts and Literature" Organized by Department of English and Faculty of Fine Arts, M. S. University of Baroda. January 3rd, 1994.         | New Horizons in Architecture an ERA of Post Modernism.                                  |
|    |                | Seminar on "Post Modernism" Canadian Study Centre, Bombay, May 23rd, 1993.  | Post Modernity and its Relevance in Architecture  |
| 2. | Vaidya C.      | Seminar on Urban Basic Services Organised by Institute of Social Studies, New Delhi April 8-10, 93 at Baroda.   | Study of Poverty Alleviation Programme in India.  |
|    |                | Workshop on "Settlement planning and management with women's perspective" HSMI-HUDCO, New Delhi August 23-27, 1993.   | Women and Cost recovery in Housing programmes.  |
|    |                | Seminar on "Composit Credit Mechanism for the Urban Poor Hudco, New Delhi, November 16-17, 1993.  | Role of Community savings and Loan association in shelter finance.                      |
|    |                | International Seminar on Urban Basic Service, Environment and Poverty, New Delhi 24-26 March, 1994.   | Role of Non-governmental Organnisation in provision of Basic services - case of Baroda. |
|    |                | National seminar on "Families in Transation - Issues and Challenges" Department of Home Management, Faculty of Home Science, M. S. University, March 29-31, 1994. | Housing in Human Resource Development and quality of life.                              |
| 3. | Subramanian B. | The Future of Settlements, Challenges and Opportunities 21st World Housing Congress Cape Town, South Africa May 10-14, 1993.                                      | Quality of Built Environment a Process.   |
|    |                | National Seminar on Families in Transition Challenges and Issues Deartment Home Management, Faculty of Home Science, M. S. University, Baroda, March 29-31, 1994. | Quality of life and some Urban issues   |

**Department of Metallurgical Engineering**

1. Kirkire U. A.  
Patel S. K.  
Gadgeel D. I.  
Vijay L., Pai B. K. 47th Annual Technical Meeting of I.I.M.  
November, 17-19, 1993. Hyderabad. Studies on Hydrogen Embrittlement and General Corrosion Behaviour of Managing Steel as Craft Materials.
2. Chaurasia N.  
Kalkundri S. B.  
Gadgeel V. L. 47th Annual Technical Meeting of I.I.M.  
November 17-19, 1993. Hyderabad. Hall Effect Studies on Manometric Chromium Copper Alloy Films.
3. Patel P., Shah S.,  
Mathane V. V.,  
Shailesh R., Basa D. K. 47th Annual Technical Meeting of I.I.M.  
November 17-19, 1993. Hyderabad. Metal Matrix Composites by Chattrigopal Costing Techniques.
4. Dutta S.K.,  
Ghosh A. 42nd Ind. Foundry Congress IIF, Ahmedabad, 25th  
January 1994. New Changing material for Cupola.
5. Joshi P. B.,  
Gandgeel V. L.  
Ramakrishnan P. National Powder Metallurgy Conference, PMRI,  
New Delhi, 3-4 March, 1994. Electrical Contacts Grade Silver Zinc Oxide Powders by Spray precipitation technique - procuring and characterization.
6. Purhot H., S. S.,  
Mathane V. V.,  
Dilip K. 42nd Indian Foundry Congress IIF Ahmedabad,  
28th-30th June 1994. Development of Vegetable Oil Base Core Oil Binder.
7. Raval S. R. National Symposium on Organic Regents, their  
Synthesis and Use in Infracrion BARC. Recovery of chromium from Industrial waste using complexing agents.
8. Patel V. J.  
Patel D. I.  
Totrani M.K.  
Pai B. K. National Conference INDIFIN-93 MFAI, Baroda,  
22-24th December 1993. Corrosion Behaviour of Electro less and Electroplated Hi Coating in Chloride Environment.
9. Pai B. K. National Conference INDIFIN-93 MFAI, Baroda,  
22-24th December 1993. General Design Rules and Electroless and Electroplated Hi coating in Chloride Environment.
10. Agrawal S. K. 42nd Annual Convention IIF Ahmedabad, 25-30  
January 1994. Globalization Challenge to Indian Foudries Meeting the demand of Developing Technology.
11. Agrawal S. K. Symp. pipe materials present and future IWWA  
Baroda IE (T) Baroda 11.12.1993. Speciality Alloys for Corrosion Resistant Pipe and Tubing.

**Department of Chemical Engineering**

1. Subrahmanyam N. 9th National Convention of Chemical Engineers,  
Institute of Engineers (India) Visakhapatnam, 5th  
June 1993. Alcohol Scenario in India 1993.
2. Puranik S.A. &  
Bhusari A.T. 9th National Convention of Chemical Engineers,  
Institute of Engineers (India) Vishakhapatnam, 5th  
June 1993. Distillation with Chemical Reactions Mathematical Modelling.
3. Puranik S.A. &  
Sengupta R. 9th National Convention of Chemical Engineers,  
Institute of Engineers (India) Vishapatnam,  
5th June 93. Prediction of mass transfer Coefficient by Mathematical Modelling.

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|-----|--|---|---|
| 4.  | D.K. Adhikari<br>Saini V.S.<br>Sista V.R. & N.<br>Subrahmanyam | National Seminar on Biprocesses in Chemical and Allied Industries. IICHE Calcutta Regional Centre<br>June 26-27, 1993.                          | Bioprocess and Petroleum Industry.                                    |
| 5.  | Puranik S.A. &<br>Pandya S.B.                                  | Seminar on Industrial Pollution, Analysis and Control<br>Gramya Research Analysis Institute (GRAI), Baroda<br>24-25 June, 1993.                 | Novel Techniques and Modifications in Environmental Management.       |
|     |  | Seminar on Industrial Pollution, Analysis and Control<br>Gramya Research Analysis Institute (GRAI), Baroda<br>24-25 June, 1993.                 | "Hazardous Waste Management"  |
| 6.  | Puranik S.A.   | Seminar on Materials Handling Technology GRAI,<br>Baroda, 29-30 November 1993.  | Design of Cyclone Separator   |
| 7.  | Puranik S.A. &<br>Puranik P.S.                                 | Seminar on Materials Handling Technology GRAI,<br>Baroda 29-30 November, 1993.  | Design of Cyclone Separator.  |
| 8.  | Puranik S.A. &<br>Pandya S.B.                                  | Seminar on Materials Handling Technology GRAI,<br>Baroda 29-30 November, 1993.  | Application of Fluidization in Material Handling Technology.          |
| 9.  | Sengupta R.  | Seminar on Process Simulation and Modelling IICHE<br>Baroda Regional Centre, July 1993.   | Modelling and Simulation as Overview.                                 |
| 10. | Puranik S.A. &<br>Kolah S.                                     | Indian Chemical Engineering Congre-93, Bombay,<br>16 to 18 December, 1993.  | Prediction of VLE for quaternary Systems From Basic Binary Systems.   |
| 11. | Puranik S.A. &<br>Pandya S.B.                                  | Seminar on Engineering Materials 1994, GRAI,<br>Baroda, 18-19 Feb. 94,  | Operating Conditions vs Engineering materials in Chemical Industries. |
| 12. | Puranik S.A. &   | Seminar on Recent Trends in Packaging of<br>Pharmaceutical Industries Department of Pharmacy,<br>M. S. University of Baroda, 29-30 March, 1994. |   |

#### Department of Pharmacy

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|----|-------------|--|--|
| 1. | Mishra S.H. | Indian Pharmaceutical Congress, New Delhi.   | Anti Hepatotoxic Activity of Cinchorium Intybus.                                   |
| 2. | Misra A.N.  | UGC sponsored National Seminar on Recent Trends in Packaging of Pharmaceutical Sterile Products Organised by Pharmacy Department, Faculty of Technology and Engineering, M. S. University of Baroda. | Automotion of Packaging process  |
| 3. | Rajput S.J. | National Seminar Liquid Crystalization, Organised by Ind. Liquid Society at Mysore.  | Synthesis and Characterization of p-n Alkyl.                                       |
|    |             | National Seminar on Chemistry and Application of Liquid Crystals Organised by App. Chemistry Dept. M. S. University of Baroda, Baroda.   | Mesomorphic Properties of p-(p'-n-Alkoxy cinnamolyoxy) Benzylidene-p-nitroaniline. |

#### Department of Applied Chemistry

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|----|-----------------------------|--|---------------------------------|
| 1. | Vora R.A.<br>Prajapati A.K. | 1st Conference of Indian Liquid Crystal Society at Mysore 18-20 October, 1993. | Low Melting Smectogenic Esters. |
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| 2.  | Vora R.A. & Tandel R.C.                | 1st Conference of Indian Liquid Crystal Society at Mysore 18-20 October 1993.   | Cholesteryl Derivatives of 4-n-Alkoxy Bensoy 1-4'-Amino Benzoates.   |
| 3.  | Vora R.A. & Pompa B.                   | 1st Conference of Indian Liquid crystal Society at Mysore 18-20 October, 1993.  | Liquid Crystalline Polyesters, Polyesteramides Polyamides and Model Compounds Having trans-1-4-Phenylene-bis (L-Methy) acrylate) Segment.                              |
| 4.  | Vora R.A. & Patel M.                   | 1st Conference of Indian Liquid Crystal Society at Mysore 18-20 October, 1993.  | Smectogenic Properties of B-Chloro ethy 4(4'-n-Alkoxy Benzoyloxy) Benzoates.   |
| 5.  | Vora R.A. & Mahajan R. & Mehta G.      | National Seminar on Chemistry of Liquid Crystals and Applications 25-26 March 1994, Baroda.   | Mesogenic Homologous Series with an azo Central Linkage and a Lateral Substituent.   |
| 6.  | Vora R.A. & Pompa B.                   | National Seminar on Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Mesogenic Homologous Series with Terminals Nitro Ground and Bphenyl Moiety.  |
| 7.  | Vora R.A. & Prajapati A.K.             | National Seminar on Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Synthesis of Liquid Crystalline Homologous Series having Me-Thoxyethyl Linkage.  |
| 8.  | Vora R.A., Patel N.C. & Mehta G.       | National Seminar on Chemisty of Liquid Crystals and Applications 25-26 March, 1994, Baroda.   | Mesogenic Properties of Symmetrically Substituted Triazine Derivatives-II.   |
| 9.  | Vora R.A. & Dixit N.                   | National Seminar of Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Liquid Crystalline Azo Esters with Lateral Substituents.   |
| 10. | Vora R.A. & Patel D.N.                 | National Seminar of Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Synthesis, Characterisation and Calorimetric Study of Mesogenic Homologous series 4(4"-Alkoxy Benzoyloxy)-3-Chloro-4"-Nitro azo benzenes.                              |
| 11. | Vora R.A. & Tandel R.C.                | National Seminar of Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Mesogenic Homologous series with reverse amide Central Linkage.  |
| 12. | Vora R.A. & Patel J.                   | National Seminar of Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Mesogenic Co-Polyesters with Isomeric Dihydroxy Naphthalenes and Dicarboxylic Acids with Flexible Spacers.   |
| 13. | Vora R.A. & Nigam R.                   | National Seminar of Chemistry of Liquid Crystals and Applications 25-26 March, 1994, Baroda.  | Application of Mesogenic Stationary Phases in the separation of components of Industrially Important Mixtures.   |
| 14. | Jejurkar C.R. Azabin Sami & Dhake K.P. | International Conference on Luminescence 1993, University of Connecticut Storrs, U.S.A. 8th to 14th August 1993.  | Fluoreseence Behaviour in Some Complexes of Cu <sup>2+</sup> , Ni <sup>2+</sup> and Zn <sup>2+</sup> ions.   |
| 15. | Dave Jayrang S. & Lohar J.M.           | Ntional Seminar on Chemisty of Liquid Crystals and Application Organised by Applied Chemistry Department, Faculty of Technology and Engineering M. S. University of Baroda, 25th-26th March, '94. | Variation in Mesomorphic Characteristics with an alternation in Molecular Structure Homologous series 4-(4'-n-Alkoxy-Cinnamoyloxy) Benzililine 3"-4"-Dichloroamilines. |

**Department of Applied Mathematics**

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|----|--------------------------|---|---|
| 1. | Shah Bankim & Patel C.M. | 81st Session of Indian Science Congress at Jaipur during 3.1.94 to 8.1.94.  | On the Estimation of Riesz Mean of Orthogonal Series.         |
| 2. | Pathak V.D. & Vyas Mamta | 2nd Annual Conference of Indian Society of Industrial and Applied Mathematics, February 23-25, 1994 Anna University, Madra. | Parameter Estimation in Log Data Analysis in Oil Exploration. |

**Department of Applied Physics**

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|----|-------------------------|---|--|
| 1. | Prasad L.H.H.           | National Seminar on Luminescence and its Applications January 1994 Bilaspur.  | Thermoluminescent Characteristics of Zeolites 13 X.  |
| 2. | Dhake K.P.              | National Seminar on Chemistry of Liquid Crystals M.S.U. Baroda March 1994   | Thermoluminescent Characteristics of Zeolites 13 X.  |
| 3. | Murthy K.V.R.           | National Seminar on Luminescence and its Application January 1994 Bilaspur.<br><br>National Seminar on Luminescence and its Application January 1994, Bilaspur. | Parameters Controlling Luminous Flux in Fluorescent Lamps.<br><br>Thermoluminescent Characteristics of lamp Application Phosphors. |
| 4. | Gandhi Y.H.             | National Seminar on Luminescence and its Application January 1994, Bilaspur.  | Thermoluminescence of Scovelites<br><br>Trap Level Characterization of Synthetic Quartz Specimens using TL glow curves.            |
| 5. | Joshi T.R. & Patil P.D. | National Seminar on Luminescence and its Application January 1994, Bilaspur.  | Fluorescent Output from lamp Application Phosphors.  |

**Department of Textile Engineering**

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|----|--|---|--|
| 1. | Patel P.C.                                   | Seminar given at IIT Delhi, New Delhi in December 1993.<br><br>Participated in the talk on, Short Staple Spinning of coming decade by Prof. W. Klein (UK) at IIT-Delhi in September 1993. | Mechanical Properties of Non-woven Geotextiles.<br><br>Mechanical Properties of Non-woven Geotextiles. |
| 2. | Kapadia V.H.<br>Bangalore V.A.<br>Patel P.C. | Attended all India Textile Conference in April 1993 at Ahmedabad.   | Mechanical Properties of Non-woven Geotextiles.  |
| 3. | Bangalore V.A.<br>Bhawalkar D.M.             | Attended the all India Textile Conference in December 1993 at Coimbatore.   | Mechanical Properties of Non-woven Geotextiles.  |

**Department of Water Resources & Engineering Management**

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|----|-----------|--|--|
| 1. | Modi P.M. | International Conference on Environmentally sound Water Resources Utilization held at Bangkok, Thailand on 8-11 November, 93.<br><br>Internation Conference on Environmentally sound Water Resources Utilization held at Bangkok, Thailand on 8-11 November, 1993.<br><br>58th R and D session of CBIP held at Bangalore in April 1993 | Assessment and Forcasting of Water Demands of Irrigated Agriculture - A Case Study of North Gujarat Region.<br><br>Comparison of Performance of Board Crested Weir (Replogle flume) with Cut Throat Flume.<br><br>Comparative Studies of Evapo-transpiration Equations for Kharif Crop for a Central Gujarat Region. |
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| 2. | Modi P.M.<br>Parthasarthy G.S.<br>Shete D.T.    | Proceedings of Workshop on Sprinkler and Drip Irrigation Systems Sponsored by Central Board of Irrigation and Power Jalgaon in December 1993.   | Farmers Education and Motivation for Adoption of Drip and Sprinkler.  |
| 3. | Modi P.M.                                       | National Workshop on Flow Measurement and Measuring Structure Sponcered by ISPAN.<br><br>National Workshop on Flow Measurement and Measuring Structure Sponcered by ISPAN.<br><br>National Workshop on Flow Measurement and Measuring Structure - Sponcered by ISPAN.   | Development in Discharge Measurement by Flumes- Replogle, WSC, H HS, HL Flumes.<br><br>Design and Calibration of Submerged open Channel Flow Measurement Structures (Parshall Flumes)<br><br>On-farm Flow Measurements Egyptian Experience and Few cases studies. |
| 4. | Parthasarathy G.S.                              | National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN.<br><br>National Workshop on Flow Measurement and Measuring Structure Sponcered by ISPAN.<br><br>National Workshop on Flow Measurement and Measurement Structure Sponsored by ISPAN.   | Irrigation Outlets.<br><br>Abnormal Conditions in Flow Measurement by Flumes.<br><br>Flow Measurement by Cutthroat Flumes.  |
| 5. | Pimplasker S.B.<br>Shete D.T.<br>Modi P.M.      | Proceedings of Workshop on Micro Irrigation Work wide, sponsored by International Commission on Irrigation and Drainage. The Hague The Netherlands in September 1993.   | Study of Economic Viability and Optimization of Drip Irrigation Layout for Wheat Crop.  |
| 6. | Bhatnagar S.K.<br>Shete D.T.<br>Modi P.M.       | Proceedings of Workshop on Micro Irrigation Work wide, sponsored by International Commission on Irrigation and Drainage. The Hague The Netherlands in September 1993.   | Evaluation of Performance of Drip emitters with Special Reference to Wetted Areas of Soil.  |
| 7. | Shete D.T.<br>Parthasarathy G.S. &<br>Modi P.M. | Proceedings of Workshop on Micro Irrigation Work wide, sponsored by International Commission on Irrigation and Drainage. The Hague The Netherlands in September 1993.   | Economics of Sprinkler and Drip Irrigation System.  |
| 8. | Shethe D.T.                                     | National Workshop on Flow Measurement and Measuring structure sponsored by ISPAN assisted water Management support programme held at WREMI, Samiala on 25-27 February 1994.<br><br>National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN Assisted Water Management support Programme Held at WREMI, Samiala on 25-27 February 1994.<br><br>National Workshop on Flow Measurement and Measuring Structure sponsored by ISPAN Assisted water Management support programme held at WREMI, Samiala on 25-27 February 1994. | Methods of Measuring Water.<br><br>Guidelines for Installing Flow<br><br>Measuring devices in Canal systems. Calibration of Flow Measuring Structures A Case Study.   |
| 9. | Patel H.M.<br>Parthasarathy G.S. &<br>Modi P.M. | National Seminar on Pipe Materials Present and Future Organised by Indian Water Works Association and Institution of Engineers (India) on 11th December 93 at Vadodara.   | Factors Affecting Performance of Different Types of Pipes.  |

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|---|---|---|
| 10. Patel H.M.                                | National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN Assisted water Management Support Programme Held at WREMI, Samiala on 25-27 February 1994. | Flow Measurement in Canal Automation  |
|   | National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN Assisted water Management Support Programme Held at WREMI, Samiala on 25-27 February 1994. | Fluming in Flow Measuring Structures.   |
| 11. Shah S.C.                                 | National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN Assisted water Management Support Programme Held at WREMI, Samiala on 25-27 February 1994. | Introduction to Computers   |
|   | National Workshop on Flow Measurement and Measuring Structure Sponsored by ISPAN Assisted water Management Support Programme Held at WREMI, Samiala on 25-27 February 1994. | Computer Aided Design on Replogle Flume.  |
| 12. Choudhary M.K.<br>Shete D.T.<br>Modi P.M. | Proceedings of Workshop on Micro Irrigation World-Wide, Sponsored by International Commission on Irrigation Drainage. The Hague, The Netherlands, in September, 1993.       | A Case Study of Micro and surface Irrigation Systems for Banana and Crops.  |
| 13. Choudhary M.K.<br>Shete D.T.<br>Modi P.M. | Proceedings of Workshop on Micro Irrigation World-Wide, Sponsored by International Commission on Irrigation Drainage. The Hague, The Netherlands, in September, 1993.       | Simplified Design of Micro Irrigation System.   |
| 14. Raut D.B.<br>Shete D.T.                   | Proceedings of Workshop on Sprinkler and Drip Irrigation Systems sponsored by Central Board of Irrigation and Power, Jalgaon.   | A New Look in the Design of Drip Irrigation System with Geometrical Parameters, with Special reference to square Fields and their Impact on Outturns. |

#### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr No.	Name of Person(s)	University/Institution and Date	Title of Lecture
<b>Department of Applied Mechanics</b>			
1.	Shroff A.V.	Text ile Association of India Verdha, 27h Oct, 1993.	Civil Engineering Application of Geosynthetics.
2.	Shroff A.V.	Gujarat Engg. Research Inst. Vadodara, 15th Dec., 1993.	Characteristics and Specifications of Beosynthetics.
3.	Shroff A.V.	Institution of Engineers & Indian Beotechnical Soc., Baroda.	Recent Advances in Brouting Tech.
4.	Patodi S.C.	SVR College of Engg. and Tech. ISTE, Summer Scool on "CAD in Structural Engg." Surat, 17-30 July, 1993.	Finite Element Method

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|----|--------------|--|--|
| 5. | Patodi S. C. | SVR College of Engg. and Tech. ISTE, Summer Scool on "CAD in Structural Engg. Surat, 17-30 July, 1993. | Computer Programming for Finite Element Analysis.        |
| 6. | Shah H. J.   | B & B Polytechnic, V.V. Nagar Centre of Excellene in Civil Engg.                                       | Identifying Needs of Industries from Technician Engineer |
| 7. | Pandya I. I. | Institution of Engineers, V.V. Nagar & ISTE-BVM Chapter at BVM, SPU on 26.8.1993.                      | Consutruction Failures Case studies.                     |

#### Department of Electrical Engineering

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|----|--------------|--------------------------------------|---------------------------------------|
| 1. | K.S. Patel   | C.E.D.T., Ilsc., Bangalore 18.3.1994 | Multimode Sequential light Controller |
| 2. | A.I. Trivedi | IETE (Baroda)                        | P.C. Systems                          |

#### Department of Architecture

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|----|------------------|--|---|
| 1. | Shelat, U.       | Canadian Study Programme SNTD University, Bombay, May 23, 1993   | Post Modernism in Architecture.                             |
| 2. | Vaidya, C.       | School of Planning, CEPT, Ahmedabad, July-Aug., 1993<br>Baroda Citizens Council, Baroda Sept., 29, 1993. | Housing Financee<br>"Barrier Tree Disign for the Disabled". |
| 3. | Subramaniam B.L. | Faculty of Social Work, M.S. University of Baroda. Dec., 11 1993.  | Housing for the Elderly                                     |
| 4. | Navangul A.G.    | D.C. Patel School of Architecture, V.V. Nagar.   | Architectural Acousties                                     |

#### Department of Metallurgy Engineering

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|----|-------------------|--|--|
| 1. | N.S. Sunder Murti | Sardar Patel University, Vallabh Vidhyanagar | Corrosion and its Protation in Metals.                 |
| 2. | Basa D. K.        | Sardar Patel University, Vallabh Vidhyanagar | Dust and Gases in Coundines                            |
| 3. | Raval S.          | I.I.M. Baroda, 21st Jan, 1994                | Use of Metallic materials in Furnace Constructions     |
| 4. | Joshi P. B.       | Institution of Engineers, BARODA.            | Lectures on Material Science for AMIE Student SEC - A. |

#### Department of Chemical Engineering

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|----|--------------|---|---|
| 1. | Sengupta R.  | Industrial Chemistry Deptt.. VP & RPTP College, V.V. on 17th Sept., 1993. | New Separation Techniques                   |
| 2. | Dabke S.P.   | V.P. Science College, V.V. on 21st Jan. 1994.                             | Polymer Composites                          |
| 3. | Puranik S.A. | Laxminarayan Inst. of Tech. Nagpur, 11th March 1994                       | Recent Advances in Chemical Engg. Research. |

**Department of Pharmacy**

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|----|---------------|---|--|
| 1. | Murthy R.S.R. | A.R. College of Pharmacy, S.P. Univ. under ISTE Summer School, May, 93. | Biotechnology in Pharmacy.                       |
| 2. | Mishra S.H.   | A.R. College of Pharmacy, V.V. Nagar, 24-5-1993.                        | Plant Tissue Culture<br>Application in Pharmacy. |

**Department of Applied Chemistry**

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|-----------|--|---|
| Vora R.A. | Faculty in ONGC'S Training Seminar on "Environment Management" 22-24.9.93, R.T.T.M.D., Ahmedabad.  | IMPACT of Industry on Environment.                            |
|           | Saurashtra University, Rajkot. UGC Exchange Programme, 28-29 March, 1994.  | Surfactant and their Analysis                                 |
|           | Saurashtra Univ. Rajkot, UGC, Exchange Prog. 20th Aug., 1994.  | Environmental Chemistry                                       |
|           | National Seminar on Chemistry of Liquid Crystal and their App. 25-26th March, 1994, Organised by App. Chem. Deptt. Faculty of Tech. & Engg. M.S.U., BARODA | Future Challenges to the Chemists in Liquid Crystals.         |
|           | ONGC Training on Environment Management, 21-12.93, BARODA  | Environment Management"<br>Impact of Industry on Environment. |
|           | Indo-Korean Seminar on Liquid Crystals, Bangalore, 29-30 Nov., 93  | Synthesis of Mesogenic Polymers and their Model Compounds.    |
|           | Organised by Centre for Liquid Crystal Research in Collaboration with the J.N. Centre for Advanced Scientific Research.                                    |   |
|           | Seminar on Material Research and Industry, V.V., 22nd Dec., 1993. Organised by Gujarat Chapter of MRSR.  | Value added Products from Waste.                              |

**Department of Applied Mathematics**

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|----|-----------------------------|--|---|
| 1. | Pathak V.D.                 | V.S. Patel College of Arts & Science, Billimora<br>2 Lectures on 4th Oct., 1993. | Instruction to O.R. & its App. in Industries.                         |
| 2. | Pathak V.D.                 | Saurashtra Univ., Rajkot on  | 4 Lectures on Optimization Teech. & Their Applications in Industries. |
| 3. | Pathak V.D.                 | Sardar Patel Univ. Vallabh Vidyanagar.   | 6 Lectures on Applications of Mathematical Concept to Science & Engg. |
| 4. | Suryadevara<br>Ramamohan S. | M.S. Univ. 6-7 July, 1993  | Finite element Analysis of Field Problems.                            |

**Department of Applied Physics**

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|----|------------|---|---|
| 1. | Joshi T.R. | Department of Physics, Govt. Science P.G. College, Bilaspur Jan., 1994. | Sodium Chloride in Radiation Dosimetry. |
|----|------------|---|---|

2. Potbhare V.N. Bhavanagar University Dec., 1994 - Two Weeks  
Indian Physics Association Quantum Mechanics.  
Physics Through Fiction.

**Department of Computer Science**

1. Parekh B.S. CCIT Importance of Computer  
Education
2. Patel H.J. Apple Infortech. Ltd. Data Base Management System.

**Department of Water Resources Engineering Management Institute : (WREMI)**

1. Modi P.M. Indore Local Centre of Indian Water Works  
Association Indore, 26th July, 1993. Recent Advances in Irrigation  
System Design.
2. Modi P.M. L.D. College of Engg. Centre for Water Resources  
Civil Engg. Deptt. Ahmedabad, 22nd April, 1993 Design of Sprinkler  
Irrigation System.
3. Parthasarthy G.S. Indore Local Centre of Indian Water Works  
Association Indore, 26th July, 1993. Agricultural Drainage around  
the word
4. Shete D.T. L.D. College of Engineering Centre for Water  
Civil Engg. Deptt., Ahmedabad, 21st April, 93. Design of Drip Irrigation  
System.

**V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.**

Sr. No.	Name(s) of Person(s)	Programme, Place and Date (s)	Capacity in which participated
<b>Department of Applied Mechanics</b>			
1.	Shroff A. V.	National Workshop on Grouting for Civil Engineering Applications, 27th Aug. 93, Vadodara.	Participant
2.	Bhagia R.M.	One day Workshop on Quality of Concrete at Baroda, 25th March, 1994.  National Workshop on 'Grouting in Civil Engineering Practice Held at Baroda, 27th August 1993. Attended following lecture Services	Participant
		- Material Modelling, Testing and Computer Analysis in Geomechanics by Dr. C.S. Desai	
		- Geotechnical Experiences by Dr. C.D. Thatley	
		- File Foundation "Non-destructive Method of Pile testing" by Dhanvin Mehta.	
		- Geotechnical Aspects of old Monuments" by Babushankar.	
3.	Patodi S. C.	One day Workshop on Quality of Concrete at Baroda, 25th March, 1994.	Participant
4.	Patel N. M.	One day Workshop on Quality of Concrete at Baroda	Participant

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|------------------|--|---------------------------------------|
| 5. Shah R. H.    | <p>One day Workshop on Quality of Concrete at Baroda 25th March, 1994.</p> <p>National Workshop on 'Grouting in Civil Engineering Practice' held at Baroda, 27th August, 1993.</p> <p>National Seminar on Pipe Material-Present and Future Baroda 11th Dec. 1993.</p> <p>Seminar on Industrial Management Vallabh Vidyanagar, 17th March, 1994.</p>  | <p>Participant</p> <p>Participant</p> |
| 6. Shah A. K.    | <p>National Workshop on Grouting for Civil Engineering Applications, 27th Aug. 93, Vadodara</p> <p>One day Workshop on quality of concrete at Baroda, 25th March, 1994.</p> <p>Seminar on Industrial Management Vallabh Vidyanagar, 17th March 1994.</p>   | Participant                           |
| 7. Shah S. S.    | <p>One Day Workshop on Quality of Concrete at Baroda, 25th March 1994.</p>   | Participant                           |
| 8. Giri P.       | <p>One Day Workshop on Quality of Concrete at Baroda 25th March 1994.</p>  | Participant                           |
| 9. Parikh J.P.   | <p>One Day Workshop on Quality of Concrete at Baroda, 25th March, 1994.</p>  | Participant                           |
| 10. Biyani K. R. | <p>One Day Workshop on Quality of Concrete at Baroda, 25th March, 1994</p> <p>National Workshop on Grouting in Civil Engineering Practice' Held at Baroda, 27th August 1993.</p>   | Participant                           |
| 11. Khisti M.J.  | <p>OIP short term course on Theoretical &amp; Practical aspects of offshore structures at IIT Bombay 10-14 May 1993.</p>   | Participant                           |
| 12. Shah D.      | <p>QIP course on Remote Sensing from Space to Classroom at Civil Engg. Deptt. University of Roorkee, Roorkee 27th June - 6th July 1993.</p> <p>Course 'Remote Sensing Overview at Indian Remote Sensing Institute, Dehradun, 25-28 May 1993.</p> <p>One day Workshop on Quality of Concrete at Baroda, 25th March, 1994.</p> <p>National Workshop on Grouting in Civil Engineering Practice held at Baroda, 27th August, 1993.</p> | Participant                           |
| 13. Shah H. J.   | <p>One day Workshop on Quality of Concrete at Baroda, 25th March, 1994.</p> <p>National Workshop on Grouting in Civil Engineering Practice held at Baroda, 27th August, 1993.</p>  | Participant                           |
| 14. Darji P. V   | <p>One day Workshop on quality of concrete at Baroda 25th March, 1994.</p>   | Participant                           |

15.	Gandhi S. K	One day Workshop on Quality of Concrete at Baroda, 25th March, 1994.	Participant
16.	Pandya I. I	One day Workshop on Quality of Concrete at Baroda 25th March, 1994. National Workshop on Grouting in Civil Engineering Practice held at Baroda, 27th August 93. National Seminar on Pipe Material-Present and Future Baroda 11th December 1993. Seminar on Industrial Management Vallabh Vidyanagar 17th March, 1994.	Participant
17.	Shah B. A	One day Workshop on Quality of Concrete at Baroda, 27th August, 1993.	Participant
18.	Joshi N. H	National Workshop on Grouting in Civil Engineering Practice held at Baroda, 27th August, 1993.	Participant
<b>Department of Civil Engineering</b>			
1.	Bhavnani H.V.	Summer School - Env. Management and Pollution Control Organised by Inst. of Sci. & Tech. for Development and Socleen, 7 June, 1993.  Worked for the All India council of Technical Education - Delhi on 8 th March, 1994 & 23rd March, 1994 Priority and Challenges for Air Pollution Abatement 5-3-1993 organic by : Ind. Assoc. for Air Pollution, Control  Seminar on HDRE Papers, Hotel Welcome Group 21-2-1994.  Institute Management Seminar under ISTE, BVM BVM V.V. Nagar 17-3-94	Faculty member  Member on the Expert Panel for various ministry of Human Resources Development Proposals Convener & Participant.  Participant  Member organising Committee & To give Welcome address.
2.	Bhatt R.D.	One Day seminar on Institutional Management on March, 17th 1994 (BVM College of Engg. V.V.) Seminar on Quality Concrete on March, 24th 1994 (Institute of Engi., Baroda)	Participant  Participant
3.	Parmar N.B.	Quality Improvement Programme on "Urban Transportation Systems" at Indian Inst. of Tech. New Delhi from July 5 to 16, 1993. Seminar on "The Falling Road Character" on 7th July, 93 Organised by Institute of Road Traffic Education (IRTE) at New Delhi.	Participant  Participant
4.	Parmar N.B. Pathak R.H.	3rd visit to CRRRI New Delhi on 12th July, 93 for Net-work Scheme of MHRD Govt. of India.	Member

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|-----|---------------------------|--|------------------------------|
| 5.  | Sutaria P.N.              | Pipe Materials - Present and Future - 11th Dec., 1993 - Vadodara   | Org. Comm. Member & Delegate |
| 6.  | Bhatt N.M.                | Grouting in Civil Engg. Practice 27th Aug., 1993 Vadodara.   | Org. Comm. Member            |
|     |                           | Workshop on Integrated Approach to be Adopted in Water Supply and Sanitation Services Gujarat Water Supply and Sewerage Board, Gandhinagar 382015.   | Special Invitee              |
|     |                           | Pipe Materials Present and Future - 11th Dec. 93, BARODA.  | Convenor                     |
|     |                           | Priorities and Challenges for Air Pollution Abatement 5th March, 1994.   | Organising Committee Member  |
|     |                           | Environmental of West Zone central Pollution Control Board - 11th March, 1994.   | Special Invitee              |
|     |                           | Institutional Management - 17th March, 1994, V.V.  | Participant                  |
|     |                           | Quality Concrete - 25th March, 1994 - Vadodara   | Organizing Committee         |
| 7.  | Vyas P.D.                 | Symposium on "Strengthening of Technical Education" conducted by TTF at Faculty of Tech. & Engg. Auditorium.   | Conducted as Secretary TTF   |
|     |                           | Seminar on Quality Concrete on 24th March, (Institute of Engg. Baroda)   | Participant                  |
| 8.  | Pathak R.H.               | Short Termcourse on Urban Transportation System at IIT New Delhi from July, 5th to 16th 93   | Participant                  |
|     |                           | Seminar on "The Falling Road Character" on 7th July, 1993 Organised by Inst. of Road Traffic Education (IRTE) at New Delhi.  | Participant                  |
| 9.  | Parmar N.B. & Pathak R.H. | 3rd Visit to CRRI, New Delhi on 12th July 1993 for Network Scheme of MHRD, Govt. of India.   | Participant                  |
| 10. | Chauhan L. I.             | National Seminar on "Pipe Materials Present and and Future" 11th Dec., 1993 Vasvik Auditorium, Indian Inst. of Engrs. Vadodara organised by IWWA local Centre, Vadodara and Indian Inst. of Engineers Local Centre Vadodara. | Participant                  |

#### Department of Electrical Engineering

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|----|--------------|---|-------------|
| 1. | Patel K.S.   | IEP World Bank Project (IMPACT Project) at Indian Institute of Science, Bangalore during 8th Feb, 1994 to 1st April, 1994 (8 week programme). | Participant |
| 2. | Meha J.H.    | Computer Based Automation at Indore from 1st Jan. to 14th Jan., 1994.   | Participant |
| 3. | Kharady Y.P. | A Short Course organised by CEPX, IIT-Bombay in June, 93 (One Week) "Application of Artificial Intelligence and ANN".                         | Participant |
|    |              | A short Course Organised by CEP,DOC, DIT-Delhi during Jan, 1994 (One week) "Designing with Microcontrollers".                                 | Participant |

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|----|----------------|--|-------------|
| 4. | Chandwani H.B. | "Semiconductor Controlled Drives & Their App. "IIT Kanpur from 1st Dec., to 13th Dec., 93.   | Participant |
| 5. | Shah K. K.     | "Analog Electronics - I" at IIT-Delhi from 17th Jan., 1994 to 11th March, 1994 Under World Bank (IMPACT).  | Participant |
| 6. | Vora H. A.     | "Analog Electronics - I" at IIT-Delhi from 17th Jan., 1994 to 11th March, 1994 Under World Bank (IMPACT).  | Participant |
| 7. | Mishra R.      | "Opto-Electronics" Course Organised by C.E.D.T., I.I. Sc. - Bangalore Under World Bank (IMPACT).   | Participant |
| 8. | Trivedi P.     | "Application of AI & AND" A Short Term Course Organised by CEP, IIT - Bombay in June, 1993 (One Week) "Designing with Microcontrollers" A Short Term Course Organised by CEP, DOE, IIT, Delhi, During Jan., 1994 (one Week). | Participant |

#### Department Mechanical Engineering

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|----|----------------|--|---|
| 1. | Bhatt G.D.     | Institutional Management Seminar, V.V. 14.3.1994                                   | Participant   |
| 2. | Panchal V.M.   | Plastic Pipes Vasvik Hall, Baroda, 6th Dec. 1993                                   | Participant   |
| 3. | Karhadkar G.D. | National Solar Energy Convention, Dec., 11-13, 1993                                | Member of organising Committee & Rapporteur (TECH.) |
| 4. | Karhadkar G.D. | Workshop on Energy Conservation & Environment Baroda, Feb. 21-22, 1994             | Representative of the Department.                   |
| 5. | Kamble L.V.    | Workshop on Industrial Mathematics, Faculty of Tech. & Engg. M.S. Univ. of Baroda. | Participant   |
| 6. | Kamble L.V.    | Seminar on Plastics GSFC, Baroda.  | Participant   |

#### General Mechanical - Training & Placement

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|--|-------------|--|---|
|  | Rajput H.G. | National Seminar: Industry-Institution Interaction Feb. S.J. College of Engg., Mysore, 14th to 18th Feb. 94. | Resource Person for Western/ Gujarat Region.  |
|  |             | National Seminar : Entrepreneurship Education in India EDI-Bharat Ahmedabad-29th May, 1992                   | Participant<br>Contributed in live discussion for bringing out document on the theme for policy making by Govt. |
|  |             | No. of summer schools - As participant (Refresher Courses).  |   |

#### Department of Architecture

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|----|------------------|---|--|
| 1. | Vaidya C.        | Asian Workshop on Sustainable Energy for Human Settlements, 12-16 July, 93 at IIT, MADRAS.  | Participant  |
| 2. | Subranaiam B. L. | Workshop on "Settlement Planning and Management with Women's perspective organised by Human Settlements Management Institute Under the INDO-Programme at New Delhi, 23-28th August, 1993. | Participant sponsored by WHODSIC, M.S. Univ. Baroda. |

3. Mehta P. J. Workshop on Low Cost Housing, Organised by ASAG and Ministry of Science & Tech. Kutch, Dec., 4-5th 1993. Participant

**Department of Metallurgical Engineering**

1. Sundar Murti N.S. Deputed to Visit and Training to Understand Software, Maintenance and Exploit possibilities of Up-grading X-ray Diffractometer. M/s. Rigaku International Corporation, Akishima-Shi, Tokyo, Japan 24th September 2nd October 1993.
2. Sundar Murti N.S. National Conference on Electroplating and Metal Finishing, MFAI Baroda 22-24 Dec., 93. Organising Commiee Member & participant
- Gadgeel V. L. National Conference on Electroplating and Metal Finishing, MFAI Baroda 22-24 Dec., 93. Chairman of Tech. Session participant
- Pai B. K. National Conference on Electroplating and Metal Finishing, MFAI Baroda 22-24 Dec., 93. Organising Committee Member, participant
- Raval S.R. National Conference on Electroplating and Metal Finishing, MFAI Baroda 22-24 Dec., 93. participant
3. Sunder Murti N.S. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda, 30h NMD, 25-4-93. Delegate
- Agrawal S. K. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda, 30h NMD, 25-4-93. Delegate
- Basa D. K. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda, 30h NMD, 25-4-93. Sec. I.I.M. Organiser
- Pai B. K. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda, 30h NMD, 25-4-93. Trea. I.I.M. Organiser
- Raval S. R. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda, 30h NMD, 25-4-93. Delegate
- 3A. Patel M. N. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Lele A. B. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Duta S. K. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Soman S. N. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Parmar K.H. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Chauhan B. J. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Mathane V. V. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
- Joshi P. B. Symp. on 'Analytical Technique in Metal Analysis' I.I.M. Baroda 30th NMD 25-4-93 Delegate
4. Sunder Murti N.S. Technical Meeting on ISD-9000' I.I.M. Baroda 11-9-93 Participant
- Pai B. K. Technical Meeting on ISD-9000' I.I.M. Baroda 11-9-93 Participant
- Lele A. B. Technical Meeting on ISD-9000' I.I.M. Baroda 11-9-93 Participant

5.	Sunder Muri N.S.	National Seminar on 'Material Research & Industries' MRSI, V.V. Nagar, I.I.M. Baroda 22-12-94.	Deligate
	Gadgeel V. L	National Seminar on 'Material Research & Industries' MRSI, V.V. Nagar, I.I.M. Baroda 22-12-94.	Deligate
	Khurana S. C	National Seminar on 'Material Research & Industries' MRSI, V.V. Nagar, I.I.M. Baroda 22-12-94.	Deligate
	Raval S. R	National Seminar on 'Material Research & Industries' MRSI, V.V. Nagar, I.I.M. Baroda 22-12-94.	Deligate
	Mathane V. U.	National Seminar on 'Material Research & Industries' MRSI, V.V. Nagar, I.I.M. Baroda 22-12-94.	Deligate
6.	Sunder Murti N.S.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Agrawal S. K.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Basa D. K.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Pai B. K.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Secretary I.I.M. Organiser
	Lele A. B.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Dutta S. K.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94.	Deligate
	Patel M. N.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Mahane V. U.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
	Joshi P. B.	Symp. on 'Advanced' Furnaces & Materials for Melting I.I.M. Baroda 21-1-94	Deligate
7.	Sundear Murti N.S.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Agrawal S. K.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Lele A. B.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Dutta S. K.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Patei M. N.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate

	Soman S. N.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Parmar K. H.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Member organising
	Chauhan B. J.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
	Mathane V. U.	Symp. Strengthening of Technicl Education, T.T.F, . Baroda 2-2-94	Deligate
8.	Basa D. K.	Q.I.P. Short Term Course on 'Characterization of Materials', I.I.T. Delhix 5-16 July, 1993	
9.	Agrawal S. K.	31st NMD & 47th ATM of 1-1-M., Hyderabad 17-19th Nov. 93	Delegate
		Interaction meet Tech. Trend in Welding Consumables and Equip. DSIR Baroda 15th Dec. 93.	Delegate
10.	Raval S. R.	Intensive Course on 'Biohydromecallurgy' I.I.Sc. 10h Jan. 15th Jan. 1994.	Participant
11.	Khurana S. C.	Seminar 'Organic Reagents Synthesis and their use Intractive Metallurgy BARC Bombay 9-11 Feb. 94.	Participant
12.	Pai B. K.	Symp. New horizon & Current Opportunities in Chemistry of Materials, TIFR 9-11 Feb. 94 Bombay	Participant
<b>Department of Chemical Engineering</b>			
1.	Subrahmanyam N.	ISTE Summer School on "Biotechnology in Pharmacy, AR College of Pharmacy, V.V. Nagar, 17h May, 1993.	As Faculty for the School. Delivered a Lecture on "Bioreactors".
2.	Sengupta R.	ISTE Summer School on "Biotechnology in Pharmacy, AR College of Pharmacy, V.V. Nagar, 17h May, 1993.	As Faculty for the School. Delivered a Lecture on "Bioreactors".
3.	Ethirajulu K.	IICHE, Ankleshwar Regional Centre, Ankleshwar, 24th Sept., 1993, Workshop on "Theory and Equipment for drying".	As Faculty
		IICHE, Ankleshwar Regional Centre, Ankleshwar, 14th Feb., 1994 Workshop on "Industrial Safety and Risk Analysis".	Member, Organising Committee.
<b>Department of Pharmacy</b>			
1.	Murthy R.S.R.	ISTE Summer School on "Biotechnology in Pharmacy" Held at A.R. College Pharmacy, V.V. May, 1993.	As a Guest speaker
		UGC Sponsored Seminar on "Recent Trends in Packaging of Pharmaceutical Sterile Products" Org. by Pharmacy Dept. M.S.U. Baroda, March, 94.	As Co-Ordinator of the Seminar & one of the Resourse Persons
		Seminar on "Radio-Pharmaceuticals" Org. by MR. B.V. Patel Centre.	As a Register Delegate.

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|----|--------------|---|--|
| 2. | Mishra S.H.  | UGC Sponsored National Seminar on "Recent Trends in Packaging of Pharm. Sterile Products" org. by Pharmacy<br><br>ISTE Sponsored Summer School on Bio echnology in Pharmacy at A.R. College of Pharmacy, V.V., 25-5-93.<br><br>Seminar Radio Pharmaceuticals org. by Mr. B.V. Pael, Centre, Dec., 93. | Member-Local Org. Comm. and Participant.<br><br><br><br>Participant. |
| 3. | Balaraman R. | UGC Sponsored National Seminar on Recent Trends in "Packaging of Pharmaceutical Sterile Products." Org. by Pharmacy Deptt., MSU, Baroda   | Joint Secretary.   |
| 4. | Nagar P.A.   | In Summer School in S.P. Univ. V.V. in May '93.   | Resource Person  |
| 5. | Mishra A.N.  | UGC Sponsored National Seminar on "Recent Trends in Packaging of Pharmaceutical Sterile Products" org. by Pharmacy Deptt. MSU, Baroda. 29th 30th March 94.  | Secretary and Participants.  |
| 6. | Rajput S.J.  | Seminar on "RTPSP" org. by Pharmacy Deptt. MSU on 25, 26 March, 1994.   | Delegate & Member of Local Org. Comm.                                |
| 7. | Banerjee G.  | National Seminar on 'RTPSP' & on 29th & 30th March, 94 org. by Pharmacy Deptt. MSU, Baroda.   | Participant & Member of Local Org. Comm.                             |
| 8. | Rahod S.P.   | National Seminar on 'RTPSP' & on 29th & 30th March, 1994 org. by Pharmacy Deptt. MSU, Baroda.   | Participant & Member of Local Org. Comm.                             |
| 9. | Sawant K.K.  | ISTE Sponsored Summer School on Bio-technology in Pharmacy at A.R. College of Pharmacy, V.V. for two weeks from 15-5-1993 to 29-5-93.   | Delegate   |

#### Department of Applied Chemistry

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|----|--|--|---|
| 1. | Jadav N.D.   | National Seminar on Chemistry of Liquid Crystals and App. organised by App. Chem. Deptt Faculty of Tech. & Engg. M.S.U., Baroda, 25-26, March, 94. | Secretary of Member of Org. Comm.   |
| 2. | Bharambe D.P., Shah K.B.<br>Jejurkar C.R. Chauhan B.C.<br>Joshi, Y.K. Mahajan R.<br>Dave J.S. Joshi H.<br>Patel M., Dixit S.N.<br>Ruparel B.S., Banik P.D.,<br>& Amin S. | National Seminar on Chemistry of Liquid Crystals and App. Organised by App. Chem. Deptt. Faculty of Tech. & Eng. M.S.U., Baroda, 25-26, March, 94  | Member of Local Org. Committee.<br>All staff members have Participated in the above seminar held on 25-26 March 1994. |

#### Department of Applied Mathematics

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|----|--------------|---|--|
| 1. | Agrawal S.R. | Workshop on Industrial Mathematics, Department of Applied Mathematics, Faculty of Tech. & Engg., Baroda from July 6 to 9, 1993.<br><br>81st session of Indian Science Congress Association at Rajastgan University, Jaipur from Jan. 3 to 8 1994. | Member of the Organishng Committee<br><br>Helping the Organization of the Department of Maths Programme & Conduction Seminars. |
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|----|--------------|---|---|
| 2. | Pathak V.D.  | Workshop on Industrial Mathematics Organized by M.S. University and I.I.T Bombay at Faculty of Tech. & Engg. during 6 to 9 July 1993. | Worked as Local Secretary Coordinaor for Module on Opimization Echniques & Delivered 4 lectures.                            |
|    |              | Workshop on Engineering Optimization Organised by I.I.T. Bombay During 15 to 19 March '94.  | Coordinator for Module 4 & 5 on constrained optimization (Linear & Nonlinear) & Delivered 6 Lectures.                       |
| 3. | Ramamhhan S. | Winter School on Logic Programming and Related Topics Held at Indian Staistical Institute Calcutta during 3 to 21 January 94.         | Participant   |
|    |              | Workshop on Industrial Mahemaics Held at at Faculty of Teh. & Engg., M.S. Univ. of Baroda During 6 to 9 July 1993.                    | Faculy Member and an organizer.   |
| 4. | Shah B.M.    | Short Term Visitor Programme at I.I.Sc. (Bangalore) in T.I.F.R. Department during 16-6-93 to 30-6-93                                  | A Short Term Visitors I have Discussed my Research Area in T.I.F.R. Dept. & Referred I.I. Sc. Library for my Research Work. |
| 5. | Vyas M.      | Workshop on Industrial Mathematics Held at Dept. of Applied Mathematics, Faculty of Tech. & Engg. Baroda during 6 to 9 July, 1993.    | Participant and Software Presenter (helped in developing and prepa- ring software package)                                  |
|    |              | Workshop on Engineering Optimization held at Department of Mathematics IIT., Bombay from 15 to 17, March 1994.                        | Participant and Software presenter  |

#### Department Applied Physics

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|----|-----------|---|----------------------------------|
| 1. | Shah R.T. | Interchapter Meeting of Indian Physics Association, Faculty of Science, M.S.U. Baroda Feb. 20th 1994. | Member of Organisation Committee |
| 2. | Shah A.J. | Indian Physics Association Inter Chaper Meeting M.S.U. Baroda Feb. 1994.                              | Organizing Member,               |

#### Department of Water Resources Engineering & Management Institute

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|----|--------------------|--|-------------|
| 1. | Modi P.M.          | National Seminar on Pipe Materials-Present and Future Organised by Indian Waer Works Association and Institution of Engineers (India) on 11th December '93. at Vadodara. | Participant |
| 2. | Parthasarathy G.S. | National Seminar on Pipe Maerials-Present and Future Organised by Indian Waer Works Association and Institution of Engineers (India) on 11th December 1993. at Vadodara. | Convenor    |
|    |                    | 26th Annual Convention of Indian Water Works Asociation, Vigyam Bhawan, New Delhi 15th, 16th and 17th February 1994.   | Delegate    |

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|----|------------|--|-------------|
| 3. | Shete D.T. | Proceeding of Workshop on Sprinkler and Drip Irrigation System Sponsored by Cenral Board of Irrigation and Power Jalgaon December 93.                                    | Participant |
| 4. | Patel H.M. | National Seminar on Pipe Materials-Present and Future Organised by Indian Water Works Association and Institution of Engineers (India) on 11th December 1993 at Vadodara | Participant |
| 5. | Shah S.C.  | National Seminar on Pipe Materials-Present and Future Organised by Indian Water Works Association and Institution of Engineers (India) on 11th December 1993 at Vadodara | Participant |

#### Department of Computer Science

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|----|--------------|--|-------------|
| 1. | Parekh B.S.  | IEEE, Workshop Ahmedabad, 1993-94.   | Participant |
| 2. | Patel M.N.   | IEEE, Workshop Ahmedabad, 1993-94  | Participant |
| 3. | Bhavsar P.R. | Symbolic Logic Prog-WB IMPACT Project, IIT, Bombay, 22-11-93 o 31-12-1993          | Participant |
| 4. | Patel M.N.   | Complier Design WB IMPACT Project 20-5-93 to 3-7-93.                               | Participant |
|    |              | Data structure WB IMPACT Project Jadavpur University, Calcutta, 18-12-93 to 2-2-94 | Participant |
| 5. | Shah A.C.    | System Administration Program WB IMPACT Project IIT, Bombay, 21-2-94t o 19-3-94    | Participant |
| 6. | Rawal P.G.   | System Administration Program WB IMPACT Project IIT, Bombay, 21-2-94 to 19-3-94    | Participant |

#### Department of English

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|------------|---|-------------|
| Desai B.J. | Participated in Inauguration of the Gujarat Chapter of THE ELT Journal & Penel Discussion on Towards a Relevant Courriculam in English. April 7, 93                     | Participant |
|            | Dept. of English, Faculty of Arts. Participated in Seminar on Teaching of Eng. Language & Literature - 8-10, April, '93, Dept. of English, Faculty of Arts.             | Participant |
|            | ELTA-Seminar on ELT, Dep. of English, Sept. 11, '93. Asisting in Conducting Essay & Extemporare Competition for Schools, Baroda High School, Alkapuri October 13, 1993. | Participant |
|            | Attended Seminar on Teaching Writing : A Creative Approach Dept. of English, Dec. 27, 93-Jan. 11, 94 Fac. of Arts   | Participant |
|            | Attended Seminar on New Literature in Eng. & Eng. Studies Retrospect & Prospect, Jan 3-6, 1994 Dept. of English, Faculty of Arts.                                       | Participant |
|            | ELTA Meet: Seminar Theme "Innovations in ELT Dept. of English, Faculty of Arts, April 14, 94.   | Participant |

## VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

## (A) Teachers (B) Non-Teachers (C) Students

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Description of the Award
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**Department of Applied Mechanics**

- Shroff A.V. Industrial Mineral and Chemical Research Award by Indian Geotechnical Society, New Delhi.  
International Distinction, Selected for the International Directory of Distinguished Leadership Published by American Biographical Institute VIth Edition - 1994. Buroak Circle, Relaign, North Cardine 27622 USA.
- Patodi S.C. Name Selected in Biographical Directory of Reference Asia: Asia's who's who of Man and Women Achievement Delhi 21st April 1994.
- Shah H. J. Name Selected in Biographical Directory of Reference Asia: Asia's who's who of Man and Women Achievement Delhi 21st April 1994.
- Pandya I. I International Distinction, Selected for the International Direcopy of Distinguished Leadership Published by American Biographical Institute VIth Edition - 1994. Buroak Circle, Relaign, North Cardine 27622 USA.  
Best Research Paper Award for 1992-93 in the Field of Structural Engineering. Paper Titled "Fibre Reinforced Concrete Channels as Surface Reinforcement for Elexural Members Published in RILEM Award of Rs. 500-00 and Certificate is Obtained dated 05/03/1994 by Hari Om Ashram Prerit Trust, SPU, V.V. Nagar.

**Department Metallurgy Engineering**

- Sunder Murti N.S. Recognised as Life Fellow of IIM (Indian Instiute of Metals)  
Gadgeel V.L.  
Agrawal S.K.
- Sunder Murti N.S. Fellow of Insitution of Engineering (I)
- Dutta S. K. Member of Editorial Board in Tool and Alloy Steels Journals.

**Department of Architect**

- Shelat U. H. Reparation of Master Plan for Baroda by Vadodara Urban Development Authority (VUDA) Baroda in December 1994
- Vaidya C. V. Member of Task Force in Planning and Housing Set Up by Surat Urban Development Authority.
- Subramaniam B. L. Invited to the 21st World Housing Congress at Cape Town, Sourth Africa to present a Paper.

**Department of Textile Engineering**

- Bangalore V.A. Received the Honorary Fellowship (FTA) Award of Textile Association (India) in December 1993 at Coimbatore Conference.
- Vora R.A. Invited Fellowship of Gujarat Science Academy  
Invited Expert Member of Board of Chemistry of Liquid Crystals and their Applications 25-26 March, 1994, Financed by UGC.  
Organized UGC National Seminar on Chemistry of Liquid Crystals and their Applications 25-26 March, 1994, Financed by UGC.  
Department Joinly Organised with Alumni Association of Applied Chemistry One day Workshop on Advances in Chromatographic Technics (HPIC, GIC, HPTLC) October 1993

**Department of Pharmacy**

- Rao A. B. Indian Drug Manufacturers Association, G.P. Nair Gold Medal Award in February 1994
- Joshi A. K. UGC Senior Research Fellow Award in February 1994
- Bhaweja J.M. UGC Senior Research Fellow Award in February 1994.

**VII. DISTINGUISHED VISITORS :**

Sr.No.	Name	Designation	Date(s) of Visit	Purpose
<b>Department of Applied Mechanics</b>				
1.	Silver M.	UNDP expert New Delhi	13-10-1993	Deliver a Lecture
2.	Desai C.S.	Regents Prof. College of Engg. & Mines. Uni. of Arizona. USA.	28-12-1993	Deliver a Lecture
3.	Vasikar S.N.	Sr. Project Manager, Officer of Technology Application Federal Highway Admn. US Dep. of Transport. USA.	21-01-1994	Deliver a Lecture
4.	Lammale D.	Chevron USA	14-10-93	Came to Deliver a Lecture
5.	Rao P.K.	Chief quality Control Manager, Gujarat Refinery Baroda.	22-10-93	- do -
6.	Patwardhan S.R.	IIT, Bombay	30-10-93	- do -
7.	Sharma J.K.	DGM, IPCL Baroda	12-2-94	- do -
8.	Agrawal S.L.	GM GSFC, Baroda	30-3-94	- do -

**VIII. VISITING LECTURERS :****Lectures Delivered under U.G.C. and other Scheme :**

The following Lectures were Arranged by the Department in Colloberation with Indian Instiute of Chemical Engineers, Baroda Regional Centre.

1. Lamalle David, M/s Chevron USA on 'Hydrocracking" (14-10-93)
2. Rao P.K., Gujarat Refinery, Baroda on 'Total Quality, Management (22-10-93)
3. Prof. Patwardhan S.R., IIT, Bombay on 'Modern trends in Petroleum Refining' (30-10-93)
4. Sharma J.K., IPCL, Baroda on 'Technology & Change' (12-2-94)
5. Agrawal S.L., GSFC, Baroda on 'Challenges of seting up of large scale chemical projects' (28-3-94)

The following Lecture was Arranged in Associaion with the Indian Plastic Institute :

6. 'Plastics industry in India' by Jayvant Kamat, IPCL (19-2-94)

**Training and Placement Activities (1993-1994) :**

For practical exposure to the pre-final and final year student and also help them finding suitable jobs in the industries, the training and pacemen activities are organised for the students. The details are as under.

- A Training :** For the purpose of imparting training industrial visits of one day duration and short-term raining programmes of ten to fifteen days period were arranged through out the year in various industries in and around Baroda as well as at distant places convenient to the students. In all 827 students underwait practical training in various industries such as Jyoti Limited, G.S.F.C., O.N.G.C., I.P.C.L., Petrofils Co-operative, G.A.C.L., Gujarat Refinery Sayaji Iron, Voltemp transformers, Padmatex, Alembic Chemicals, Surabhai Chemicals, Apex Electricals, Deepak Nitrite, Diamines and Chemicals, Digitronics, Patwa Kinariwala, Star Electronics, Advance Electronics, G.P, Electronics, Patwa Kinariwala Electronics, G.P. Electronics, Patwa Kinariwala Elecronics, Gokak Vadodara Spinning Mill, Priyalaxmi Mill, Telco (Jamsedpur), Navin Flourine (Surat), Elecon Engineering (V.V. Nagar), Cynamide (Atul Valsad), Gurder Silk Mills (Surat), New Sherrock Mills (Nadiad), Tata Telecom (Gandhinagar), and other industries.like Jyoti limited, A.B.B., G.C.E.L., G.S.F.C., O.R.G., Aryleem

Electronics etc. helped the final year students in doing their project work also. In general; the cooperation of the industries was very good in providing their help and support to the students for training activities. All the students who approached the training section for practical training were provided the facilities in the industries.

Also during the year, lectures by prominent personalities were arranged for the benefit of the students in order to develop their overall outlook and improve their performance to make them more acceptable by the industry after their graduation.

- B. Placement :** In general placement activities very beneficial and generate confidence and interest towards the studies when job opportunities were realised by them.

In all 52 campus interviews were arranged over and above small and medium scale industries from Baroda and nearby places many nationally and internationally known industries like Reliance Industries, Larsen and Toubro, Telco, Hindustan Motors, Essar Group Blue Star, Volts, Raymond, Arvind Group, Atul Group, Mafatlal Industries, A.B.B., Appollo Tyres, Ingarsol Rand, G.S.F.C., Jyoti Limited, Sun Pharma, Batliboy and Co., Jot., Torant Group, etc. visited our institution and recruited our students.

The bio-data of final year students interested in placement were provided to 124 industries out of which many conducted campus interviews at our Institution. While some of them invited the students at their premises for interviews. Moreover, the addresslist of students interested in placement is prepared branch-wise by placement section and is sent to the prospective employer on request.

The student were also provided necessary guidance for preparing for group discussion, written test and personnel interviews.

#### IX. COMMUNITY EXTENSION WORK.

##### Department of Applied Mechanics

A one day National workshop on Grouting for Civil Engineering practices was organized by Applied Mechanics Department, IGS-Baroda Chapter and IE - Vadodara local centre jointly on 27th August 1993. About 60 delegates participated in the workshop. Eminent lecturers Mr. .G. Joglekar, Shri D.J. Ketkar, Shri B.J. Parmar, Prof. (Dr.) A.V. Shroff & Dr. D.L. Shah from private firms, Govt. organisation and Academic institutions have delivered lectures giving through and detail understanding of subject.

Sr.No.	Name of Lecturer(s)	Date	Title
1.	Silver M.	13th October 1993	A discussion on Soil Dynamics
		28th October 1993	Recent Advances in Dynamic Testing of Piles.
2.	Thattey C.D.	24th December 1993	
3.	Desai C.S.	28th December 1993	Material, Modelling, Testing and Computer Analysis of problems in Geomechanics.
4.	Vanikar S.N.	21st January 1994	Concrete of Future
5.	Desai N.B.	5th March 1994	Water Resources Aspects of Geotechnical Engineering.
6.	Shankar B.	18th March 1994	Geotechnical Engineering Aspects of Old Monuments of India.
7.	Joglekar S.G.	27th August 1994	Grouting in Civil Engineering Practice.
8.	Ketkar D.J.	27th August 1994	Consolidation and Curtain Grouting.
9.	Parmar B.J.	27th August 1994	Consolidation Cum Contact Grouting for Sardar Sarovar Dam

**PROF. T.K. GAJJAR LIBRARY**

**I. Books**

This Library received the following grants for the Books and Periodicals and have been utilized.

Sr.No.	Name of the Grant	Amount Sanctioned
(1)	Faculty Permanent Grant for	
	(a) Books and Periodicals.	Rs. 6,00,000=00
	(b) Binding.	Rs. 0,25,000=00
(2)	Introduction of P.G. Course in Pharmacy.	
	(a) Books and Periodicals.	Rs. 0,15,000=00
	(b) Binding.	Rs. 0,01,500=00

The following outstanding books were purchased from the Recurring grants and the Instalment received from U.G.C.

- (1) Barron's profiles of American colleges, descriptions of college, 16th ed. 1993
- (2) Manorama Year Book, 1993.
- (3) Advances in Rubber Technology, papers presented at the 1st National Conference and Exhibition of the Indian Rubber Institute, Madras.
- (4) Newer Trends in Essential Oils and flavours, selected papers presented at the International symposium....
- (5) Comprehensive Glossary of Technical Terms, Science, 1990. 2 V. (. 89843-44)
- (6) Industrialisation and Human Resources Development (Trends in India Economy-2), Thakur Devendra, Ed. 1993 (. 89870)
- (7) British Pharmacopoeia-1993 2 v. (T. 89903-04)

**II. Periodicals**

This library has subscribed 117 periodicals worth Rs. 4,99,658-97.

**III. Collections of Books and Journals**

Sr.No.	Books	Bound Periodicals	Total Cost Rs.	
(1)	Number of Books at the beginning of the year	74187	14876	Rs. 1,13,30,987=03 P.
(2)	Number added during the year.	297	-	Rs. 0,00,94,956=42 P.
(3)	Number withdrawn during the year.	-	-	-
(4)	Number remaining at the end of the year.	74484	14876	Rs.1,14,25,943=45 P.

**IV. Circulation of Books.**

- (1) Timings : The Library and Reading Room were kept open from 8-00 A.M. to 10-00 P.M. on all days including Sundays and Holidays.
- (2) Registration : The number of readers registered in the various categories are as follows.
 

1. Graduate & Post Graduates.	1050
2. Undergraduates.	1464
3. Research scholars., Ph.D., Temp. Lect., Visiting lectures and staff members.	116
4. Deposit members.	14

## (3) Statistics for the use of the Library :

(a) Daily average number of readers visiting the library.	2550
(b) Average number of books issued per day for home reading.	180
(c) Average number of books issued per day from curricular section.	155
(d) Average No. of books issued per reader during the year.	55

## V. Reference Section

The Library maintains a separate Reference Section. The various Encyclopaedias, Theses, Dissertations, Project reports, I.S., B.S., examination papers, syllabus etc. are referred daily by the readers. The bibliographical services are also provided on request.

## (1) Theses and Dissertations :

The total number of theses and Dissertations are 1013. A separate catalogue is maintained and separate register for the daily users is kept alongwith their suggestion column.

During the period 1185 readers referred the theses and dissertations.

## (2) Display :

The new arrivals were displayed.

**VI. Orientation Programme :** In the beginning of academic session the orientation programme for the fresh students was conducted. Instructions regarding various practices and procedure of the library were provided to the fresh students for the proper use of library resources.

**VII. Reprographic Unit. :** In the month of March' 1994 new zerox machine viz Modi Zerox 1025 soon has been purchased 4 at the cost of Rs. 1,20,916=88 from "Other students eminities, U.G.C. 8th Plan Grant." It fulfils the requirements of the students. Now a days zeroxing facility is a must in the library services.

The reprographic unit has received Rs. 5897=50 to wards zeroxing services.

Visitors Approximately more than 315 scholars from the various academic as well as industrial institutions came to refer material in the library.

Shri C.C. Parmar, Technical Assistant (Library) was deputed to attend the Training Programme on Library Management and N.T.T.F. Electronic Resource Centre, Bangalore under the IMPACT Programme, from 17th Novermber, 1993 to 6th December, 1993.

## Faculty of Law

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name (s) of Person(S)	Title of Book/Monograph Mineographed Report	Name of publisher and date of publication
	Naik D.B.	<i>Specific Offences</i> (Original book in Gujarati on Indian Penal Code from SS. 121 to 510); prepared for LL.M. curriculum in Criminal Law group.	University Book Publication , Board Gujarat State, 1993.

### II. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES, ETC.

Sr. No.	Name(s) of Person(s)	Theme, Organizer's Name, Place, Date of Seminar/Conferences etc.	Title of Paper
	Rathod J.C.	International Conference on "Shaping the future by Law, Children Environment & Human Health". The Indian Law Institute & Others, New Delhi. At New Delhi. From 21-3-94 to 25-3-94.	"Towards Environmental Policy"

### III. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person(s)	University/Institution and Date	Title of Lecture
	Naik D.B.	University School of Law Gujarat University, Ahmedabad on 21st and 22nd February '94.	Concept of Secularism under the Indian Constitution Fundamental Right to Freedom of Religion
		Shri Shantilal Shah Law College, Mehsana on 29th March, 1994	Amending process under the Indian Constitution

### IV. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name(s) of Person(s)	Programme, Place and Date (s)	Capacity in which participated
1.	Rathod J.C.	All Gujarat Law Teachers Conference at Shantilal shah Law College, Mehsana on 5th & 6th February, '94	As a participant, Chaired a session
2.	Naik D.B.	All Gujarat Law Teachers Conference at Shantilal Law College, Mehsana on 5-6 February, 1994	Resource Person

### V. DISTINGUISHED VISITORS

Sr.No.	Name	Designation	Date(s) of Visit	Purpose
	Hon'ble Justice Shri V.H. Bhairavia	Judge High Court of Gujarat	22-1-94	Inauguration of Dr. Ambedkar Chair (Constitutional Studies and Research)

VI. COMMUNITY EXTENSION WORK.

1. Three teams (6 students) of this Faculty have participated in All Gujarat Open Moot Court Competition for Law students organised by All India Reporter held at Ahmedabad on 7th and 8th January, 1994.
2. Two students of this Faculty have participated in All India Rai Bahadur Badri Dass Debate and All India Chaman Lal Nijhawan Moot Court Competition organised by Department of Law, Kurukshetra University held at Kurukshetra on 19th and 20th March 1994.

Shri Hakim Mohmed Tahir M. a student of LL.B. (Special) class has secured Second Prize at All India Rai Bahadur Badri Dass Debate Competition.

3. Moot Court competition was organised in the Faculty on 6th Nov. 1993 wherein students of different classes have participated.
4. A Moot Domestic Enquiry was organised in the Faculty on 2nd February 1994 with a view to give practical and live experience of a domestic Enquiry to the students studying Labour Laws in D.L.P. and Second LL.B. Optional Paper.

## Faculty of Fine Arts

### I. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
<b>Department of Art History</b>			
1.	Parimoo R.	On Re-identification of the Andhra Buddhist Reliefs.	<i>M.S. University Journal Humanities Number.</i> (Published in 1993)
		Notes Towards formation of Medieval style in Malwa Region of Western Madhya Pradesh. A Presentation of Hinglagarh Sculptures.	<i>Art : The.</i> (Smt. Kapila Vatsyayan Felicitation Volume) Delhi 1994.
2.	Panikkar S.K.	Printmaking in Western India	<i>Lalit Kala Contemporary</i> 39, March '94.
3.	Shah N.R., Shah R.P. & Arya. A.	Biodeterioration of flute, a musical instrument, by Chochliobolus & Penicillium.	<i>Studies in Museology</i> Vol. XXVI, 1993.
<b>Department of Museology</b>			
	Jain S.	Problem solving : An approach in Museum Education. Museums in Multi-cultural Britain.	National Museum Bulletin, Nos. 7 & 8, 1993.

### II. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES, ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Dates of Seminar/Conference etc	Title of Paper
<b>Department of Art History</b>			
1.	Kannal D.H.	Indian Association for Common-wealth Literature. Workshop in creative, inviting organised by the Dept. of English. Sanskrit Prathisthan Delhi.	Art, Perception & theory. Spoke on the 'Creative process' with ref. to my sculpture and plays.
2.	Parimoo R.	Seminar on Puranas Oriental Institute Baroda, July, 1993.	Birth of Prithu-Interpretation of a Rajasthani Painting from Vishnu Purana.
		'Parampara Aur Ham' Research Seminar, Govt. of Madhya Pradesh MLBG College, Bhopal Dec., 1993.	Keynote Address.
		International Seminar 'Local Global International Trends in Contemporary Arts. National Centre for Performing Arts, Bombay January, 1994.	Somnath Hore and His times.
		International Seminar on Ramayana, Oriental Institute, Baroda, January, 1994.	The Painter's Ramayana, Sahibdin's Paintings of Lanka Kand.
		International Seminar on Globzlication of Contemporary Arts & Regional Identity, Lalitkala Akademi, Delhi, Feb. 1994.	Relevance of Aesthetics in the contemporary Arts; Deconstructing Indian Aesthetics.

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|----|---------------|--|--|
| 3. | Panikkar S.K. | 'Local/Global International Trends in Contemporary Arts of Asia'. NCPA, Bombay. Jan. 4 to 8th 1994.  | 'The Political Meanings and the Linguistic options in Modern Indian Art.'                                    |
| 4. | Navangul V.G. | All India Orient Sanskrit Conf. 36th Session held on 27, 28 & 29th July 1993 in Pune.<br><br>Gujarat State Uni. & College Sanskrit teacher's Association—A Seminar held on Puranashastra on 16, 17, 18th April 1993, at Tithal (Balsad). | Sittanavasal Paintings. Some acquisitions.<br><br>Impressions on Architectural activities from Linga Purana. |

### III. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
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#### Department of Graphic Arts

Dhumal R. P.	Lithographic Workshop West Zone Cultural Centre Udaipur June, 1993.	As an Expert
	Painting Workshop—Organized by sanghi Ind. Hyderabad – 1993, Dec.	As an Artist.
	Participated in Frechen Triannals Germany Oct. 1993.	
	Ex. of Prints-Madrid—Spain June 1993.	
	Alliance Francaise Ex. Delhi.	Participant.
	Art for mobile coche Delhi.	
	Women Artists Hyderabad.	
	Exhibition Group Show in Bombay Dec.-'93.	As an artist.
	Attended a National Workshop of Print-making organised by J.K.K. Jaipur.	
	Directed the UGC National Seminar Workshop on Contemporary Printmaking.	

#### Department of Painting

1.	Rathwakoli N.A.	Participated in State Lalit Kala Exhibition.
2.	Rabadia J.L.	Group Show : Jahangir Art Galery Bombay. Group Show : Gujarat State Lalit Kala Academy Gallery Ahmedabad.
3.	Vasudevan A.	One Man Show Gallery Sakshi—Bombay. Drawings, Groupshow—Gallery Espace, N. Delhi. Still Life. Groupshow—Gallery Sakshi—Bombay. Shradha Samarpan—Jahangir Gallery—Bombay.

### IV. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
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#### Department of Applied Arts

P.Y. Mandey	Programme : By Faculty of Management Studies. M.S.U. Baroda, National Seminar on Advertising & Marketing AD-2000. Dt. March 5th & 6th 1994.	As a Delegate.
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**Department of Art History**

D.H. Kannal

Play (KUSHANKU) was selected for the theatre festival organized by Sangit Natak Akademi, (Delhi) as the only entry from Gujarat. Performed at Panji (Goa) 1993.

**Department of Museology**

Shri Sunjay Jain

Served on the Advisory Committee of the Health Museum, Baroda. Served on the Baroda Museum Centenary Advisory Committee. Exhibition Winged Beauties 2.10.93 to 4.10.93. Exhibition 'Nature Photography' 26.2.94 to 28.2.94.

**Department of Sculpture**

1. Panchal R.R.

Organized workshop of Metal Sculpture at the Sculpture dept.. Under W.Z.C.C. Sept. 1993

As a Chief Co-Ordinator.

2. Kaneria R.R.

Exhibition in II. International Photo Festival of Child & Young Adult. Tehran, Iran Aug. 1993.

As an artist.

3. Bhatt J.

Participated in a Group Show of Indian Studio Pottery at Bombay Cymroza Art Gallery Dec. 1993.

As a Curator of the show and as one of the seven participant in the show.

**V. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :**

(A) Teachers (B) Non-Teachers (C) Students

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Description of the Award
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**Department of Graphic Art**

Babu Rao

IInd in Indian Drawing Biennale' Chandigarh.

Satish Chanda

State Scholarship-Karnataka.

Amresh Bijjal

State Scholarship-Karnataka.

Raghavan

State Scholarship-Karnataka.

Veera Raghavan

Intake Takeoff Grant.

Sunil Darji

State Award. Gujarat

Debojit Sarma

State Scholarship-Assam.

Rajesh Ambalkar

National Scholarship-India.

Anupam Chakraborty

National Scholarship.

Muniraj Chakradhar

U.C.C. Fellowship as J.R.F.

Jayati Mukherjee

Nehru Research Small Scale Grant.

Dasgupta Haimanti

The Alumni of Baroda University, USA Scholarship

Kalpana Prakash

**Department of Painting**

M.S. Amarnath

The Alumni of Baroda University, USA Scholarship

**Department of Sculpture**

Dey Dibyendu H.

The Alumni of Baroda University, USA Scholarship

**Department of Applied Arts**

Parikh Kashyap J.

The Alumni of Baroda University, USA Scholarship

**Department of Art History**

Kulkarni Mrinal M.

The Alumni of Baroda University, USA Scholarship

## VI. DISTINGUISHED VISITORS :

Sr.No.	Name	Designation	Date(s) of Visit	Purpose
<b>Department of Painting</b>				
	Christuper Cook	As an Artist	17.1.94	A Surrealist Inheritance
	Peter Day	Visiting Artist Australia	24.1.94	Lectures. (Environmental & Community Art
	Timothy Hyman	Artist U.K.	10 & 11 Jan. '94	Lecturers & Slide Show Contemporary Art.
<b>Department of Applied Arts</b>				
	Sudarshan Dheer	Graphic designer Bombay	7.1.94	Graphic Design & Slide Show.
<b>Department of Graphic Arts</b>				
	Akbar Padamses	Artist Bombay	11.3.94 to 15.3.94	Slide Show & Lecture Graphic Arts . Deptt
<b>Department of Art History</b>				
	Deshpande Arvind	Scholar & Prof. Dept. of Art History Uni. of Pune.	4.3.94	Process of Modernization in India.
<b>Department of Museology</b>				
	Bedekar V.H.	Prof. Dept. of Museology	24.2.94 to 26.2.94 & 28.2.94 to 5.3.94.	New Museology Museum Architecture.
	Gupte P.G.	Ex. Planning Office, National Museum of Natural history N. Delhi.	Sept. '93	Ten Lecturers in Exhibition Administration & Loss Prevention.

## VII. COMMUNITY EXTENSION WORK.

Held an exhibition of Paintings Sculptures Prints & Drawing to raise the funds for Earthquake Victims.

VENUE : Exhibition Hall, Faculty of fine Arts, M.S. University of Baroda, Baroda.

DATE : 28th Oct. to 31st Oct. '93.

We have Credited Rs. 3,36,049-25 to the Registrar, M.S. University of Baroda, Baroda.

Graphic Deptt. : Woodcut Workshop held by CAROL SUMMERS – American Printmaker, Dec.-Jan. 1993-94.

## Faculty of Home Science

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Foods &amp; Nutrition</b>			
1.	Seshadri S. & others	Capturing Complexity - An Interdisciplinary look at women, households and development.	Sage Publication, New Delhi, 1994
2.	Seshadri S. Vazir S. Hussaini M.A.& Aree Jintana Yhounng	Research Methodologies for Behaviour Modification in the context of national nutrition programmes and the action cum research network of South East Asia.	South East Asia Regional Research Network and Department of Foods and Nutrition, 1994.
3.	Seshadri S.	An Epidemiological analysis of anemia in South East Asia and strategies for its control.	Department of Foods and .Nutrition, 1994.
4.	Kanani S.	Women's Views Matter-An Overview of Qualitative Research Methods in Women's Health and Some Experiences from India.	WHODSIC,M.S. University, 1993.
<b>Department of Home Management</b>			
	Srinivasan K. & Gandotra V.	Child Labour : Multi Dimensional Problems	Ajanta Publications, New Delhi 1993.
<b>Department of Human Development and Family Studies</b>			
1.	Saraswathi T.S., Verma A.& Others	Capturing complexity : Women, Households and Development	Sage Publications, New Delhi, 1994
2.	Saraswathi T.S. and Kaur B.	Human Development & Family Studies Agenda for Research & Policy.	Sage Publications, New Delhi 1993
<b>(B) MONOGRAPHS</b>			
<b>Department of Human Development and Family Studies</b>			
1.	Dave P.B.	Report on Girl Child and the Family : An action research project conducted in the urban, rural and tribal areas of Gujarat.	Department of Women and Child Development, Ministry of Human Resource Development New Delhi, July, 1993.
2.	Mohite P. D.	Human Development, ECCE and Family Studies : Compendium of Researches Vol. IV	UGC-DSA Department of Human Development and Family Studies, M. S. University, Baroda October, 1993.

3. Sriram R. Family in India : An Annotated Bibliography (1940-1993) (mimeo) Department of Human Development and Family Studies, M. S. University, Baroda, December 1993.

#### Womens Studies Research Centre & WHODSIC

1. Kanani S. & Consul P. Women's views matter : An overview of qualitative research methodologies for women's health and some experiences from India. WHODSIC, 1993
2. Gulati L. Case Study as a research method WHODSIC, 1993
3. Francies C., Mehta B. (a) Directory of Institutions/NGOS working with women WHODSIC, 1993  
(b) Directory of fellowships available for higher education in women's studies.

#### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
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#### Department of Clothing & Textiles

1. Balakrishnaiah B. & Gupta R. Effects of Pre-treatment and heat treatment on the Physical properties of jute multi-fibre fabrics. Colorage Vol. 7, PP. 25-29, July 1993
2. Balakrishnaiah B. & Nalini P. The effect of light on strength characteristics of Chemically modified and dyed resin finished Seri-silk. Colorage Vol. 7, PP. 33-36, July 1993.
3. Balakrishnaiah B. & Gupta R. Effect of Chemical treatment on jute and jute multiple fabrics Indian Textile Journal, PP. 42-49, July, 1993.
4. Phadke S. M. Handicaps of Himachal Carpet Industry Carpet-e-World Vol. XV, PP. 147-148, 1993.

#### Department of Home Science Education and Extension

1. Shah A. J. and Mandal S. Effectiveness of three instructional strategies for Higher Education Journal of Educational Technology Vol. 5, No. 4, PP. 293-301, 1993.
2. Shah A. J. and Purohit B. New Dimensions to measure the status of a person Journal of community Guidance and Research Vol. 10, No. 2, PP. 107-126, 1993.
3. Shah A. J. and Rathore S. Women labourers in unorganised sector of Jodhpur, Rajasthan Journal of Rural Development Vol. 12, (4) PP. 441-450, July, 1993.
4. Shah A. J. and Yadav A. Can street play help to change the Status of women ? Vikasini Vol. 8, No. 3, PP. 9, July-Sept. 1993.
5. Joshi U. and Mehta H. Opinions of the married couples regarding the suggested incentives and rules for population control Journal of the Maharaja Sayajirao University of Baroda. Vol. XLI-XLII No. 2 PP. 153-163 (Social Science Number), 1992-93.

6. Joshi U. and Pahad A. Effectiveness of video in Educating women of Low Socio-economic status Media and Technology for Human Resource Development Journal of Educational Technology Vol. 5, No. 3 PP. 237-242, April 1993.
7. Joshi U. and Yadav S. Role played by the employed women in decision making and extent of their participation in various activities related to family life. The Educational Review Vol. XCIX, No. 11 PP. 185-190, Nov.1993.
8. Pandya R. Professional problems of Home Science School teachers of Gujarat during 1987-88. Journal of the Maharaja Sayajirao University of Baroda Vol. XXXXI-XXXII, No. 2 PP. 149 - 152 (Social Science Number) 1992-93.

#### Department of Foods and Nutrition

1. Anand A. and Seshadri S. Role of citric acid on iron availability in a model system Food Sc. Technol, Vol. 30, PP. 371-173, 1993.
2. Seshadri S. Assessment of Nutrition and Health Situations, a Household level perspective In Capturing Complexity Borooh et al (ed) Sage Publications, New Delhi, PP. 231-248, 1994.
3. Seshadri S. Methodological concepts and Issues In Capturing Complexity, Borooh et al (ed) Sage Publication, New Delhi, PP. 261-262, 1994.
4. Mani U. V. Prabha B. M. Damle S. S. & Mani I. Glycemic Index of some commonly consumed foods in Western India Asia Pac. J. Clin Nutr. Vol. 2 PP. 111-114, Sept. 1993.
5. Kanani S. Application of Rapid Assessment Procedures in the context of Women's Morbidity : Experience of a non government organization in India In : Rapid Assessment Procedures- Qualitative Methodologies for Planning and Evaluation of Health Related Programms, Scrimshaw N. and Gleason G (ed). International Nutritional Foundation for Developing countries, USA, PP. 123-136, 1993.

#### Department of Home Management

1. Ogale N. A. Child labour in Rural Areas of Baroda District. In : Child Labour : Multi-Dimensional Problem Srinivasan Kamala and Gandotra Veena (ed) Ajanta Books International, Delhi PP. 154-164, 1993.
2. George R. R. Evaluation of Improved Chulha in Kutch District. ANTIKA, Vol. 4, July, PP. 26-37, 1993.
3. Dass A. V. A Study of Female Child in Baroda City In : Child Labour-Multi Dimensional Problems (Ed.) Srinivasan Kamala and Gandotra Veena Ajanta Publications, New Delhi, PP. 113-120 1993.
4. Shukul M. R. Women Managing one of the dual-Households A need to understand their managerial and personal problems. "VIKASINI" Published by A.I.A.C.H.E. Centre of Women's Development, New Delhi Vol. 9, No. 1, Jan/Mar. PP. 6-7, 1994.



- Trends in Researches in Home Science, UGC sponsored Regional Seminar, PG Department of Home Science, S.P. University Vallabh Vidyanagar, 19-20 March, 1994.
- Seminar on Women and Empowerment, Department of Educational Administration, M.S. University Baroda 11-12, February, 1994.
3. Joshi U. 81st Session of Indian Science Congress, Jaipur, 3-8 January 1994.
- Regional Seminar on Recent Research trends in Home Science, P.G. Department of Home Science, Sardar Patel University 19-20 March, 1994.
- National Seminar on Families in Transition-Issues and challenges, Home Management Department of Faculty of Home Science, 29-31 March 1994.
4. Patil A. S. A State Level UGC Seminar on Training in Extension at Department of Home Science Education and Extension, faculty of Home Science, M.S. University, Baroda, 15-20 March, 1994
5. Pandya R. A State Level UGC Seminar on Training in Extension at Department of Home Science Education and Extension, Faculty of Home Science, M. S. University, Baroda, 15-20, March, 1994.
6. Mehta N. U. 81st Session of Indian Science Congress-Science Excellence and Accountability Jaipur 3-8, January, 1994.
- U.G.C. Sponsored Regional Seminar on Recent Research Trends in Home Science, P.G. Department of Home Science Sardar Patel University 19-20 March, 1994.
7. Maniar A. T. National Seminar on Families in Transition issues and challenges, Department of Home Management, Faculty of Home Science 29-31, March, 1994.
8. Rathore S. Seminar on Changing role of women in Economic development Indo-Canadian perspective. All India Association for Canadian Studies and Centre for Canadian Studies M. S. University Baroda, 26-27 February, 1994.
- Modern Concepts and Trends in Researches in the Area of Home Science, Extension Education.
- Empowering women through ,Extension Education.
- Role of women Scientists in Voluntary Organisations in promoting Scientific awareness.
- Trends in Mass Communication Research.
- Aging women from low Socioeconomic Status.
- Programme Planning in Extension.
- Use of graphics and A.V. aids in Extension Programme.
- Enhancers, Constraints and Training Needs of women Administrators.
- A Critical Analysis of Researches in Home Science Education and Extension.
- A Study on recreational interest and recreational participation of Home makers according to their socioeconomic status.
- Women Labourers in the unorganised sector of Rajasthan

#### Department of Foods and Nutrition

1. Seshadri S. Women's Health : A Regional workshop, WHODSIC, WID and WSRC, 13-15, April 1993.
- International Symposium on Nutrition Programmes in South East Asia, Platinum Jubilee of NIN , Hyderabad 25-27, November, 1993.
- Quantitative Indicators for Women's Health : an overview.
- Iron Supplementation to control pregnancy anemia : Evaluation of the current programme in an urban community.

- Anemia Control : South East Asia Regional Research Network of the World Health Organization, Hyderabad, 29 November to 1 December, 1993.
- National symposium on Dietary Interventions to control Micronutrient malnutrition, National Institute of Nutrition and World Health organisation, 15 February, 1994.
2. Mani U. V.  
Manivannan Thuksi,  
Prakash B. &  
Iyer U.
3. Mani U. V.
4. Kanani S.
5. Dhabhai D.
- Platinum Jubilee Meeting of Nutrition Society of India Hyderabad November, 1993.
- Annual meeting of Gujarat Branch of Association of Preventive and Social medicine Surat medical College, January 1994.
- International symposium on Participatory Research for Health promotion, organized by Liverpool school of Tropical Medicine Liverpool; 17-21 September, 1993.
- National Workshop on Innovations in Health Systems : Focussing on Women's Reproductive Health organized by Indian Institute of Management, Ahmedabad, 26-29 October, 1993.
- National Seminar on women's Health, organized by Child-in-Need Institute, Calutta, 23-24 April '93.
- National Seminar on Liquid Crystal, Mysore University, Mysore 18-20, October 1993.
- National Seminar on Chemistry of Liquid Crystals and applications, Department of applied chemistry, M.S. University, Baroda, 25-26 March, 1994.
- Research Methodologies for behaviour modification in the context of National Nutrition Programmes.
- Dietary Modification to control anemia : A perspective on methodologies.
- Glycemic Index of South Indian meals.
- Metabolic derangements in hypothyroidism.
- Role of University in Participatory Action Research : An example from Baroda, India.
- Insights from Action Research on Anaemia prophylax programme in Urban Slums.
- Early Action for women's Health : A Focus on Adolescent Girls.
- Studies on New Mesogens : Methyl p-(p'-n-Aikoxy-cinnamoyloxy) cinnamates.
- Studies on Binary Mixtures

#### Department of Home Management

1. Ogale N. A.
2. George R.,  
Ogale N. &  
Iyer U.
- Regional Level Seminar on Recent Trends in Home Science Research P.G. Department of Home Science Sardar Patel University Vallabh Vidyanagar 19-20 March 1994. Sponsored by U.G.C.
- U.G.C. Sponsored National Seminar on Families in Transition : Issues & Challenges Home Management Department, Faculty of Home Science, M.S. University of Baroda, Baroda 29-31 March, 1994.
- Role of Renewable Energy Policy National Solar Energy Convention Baroda, 14-16 December, 1993.
- A Profile of Research in Family Resources/Home Management; 1960-1994.
- An Agenda for Research on Families in Changing world order.
- Role of Technical Backup unit in National Programme on Improved Chulha
- Nutritive Value, Quality and Acceptability of Solar Cooked food using Box type Solar Cooker.



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| 3. | George R.            | Role of Renewable Energy Policy National Solar Energy convention, Baroda, 14-16, December 93.                         | Design and Performance characteristics of Mamta Chulha.  |
|    |                      | International Seminar on clays For Stoves yayasandian desa, Yogyakarta, Indonesia, 19-23, April, 1993.                | Transfer of Renewable Energy Programme A Model to Repliate.  |
|    |                      | Seventh Biennial Conference of Asian Regional Association for Home Economics, KualaImpur, Malaysia, 20-23 July, 1993. | National Programme on Improved chulha in India.  |
| 4. | George R. & Yadla V. | Role of Renewable Energy Policy National Solar Energy convention, Baroda, 14-16 December '93.                         | Successful community based Action Programme Related to family and Environment.                                   |
|    |                      | International Seminar on clays for stoves, yayasandian desa, yogyakarta, Indonesia. 19-23 April, 1993.                | A comparative study of Traditional Rural Chulha and Prefab-lined Mamta Chulha through kitchen performance Tests. |
| 5. | Yadla V.             | Families in Transition : Issues and challenges, by Department Home Management, Baroda, 29-31 March, 1994.             | Adoption of Improved Cookstove by Beneficieries in Sindhrot village, Baroda, Gujarat State, India.               |
|    |                      |   | Utilization of Institutional credit by women in selected urban and Rural Areas of Baroda Taluka.                 |

**Department of Human Development and Family Studies**

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|----|------------------------------------|---|--|
| 1. | Mistry V. R. & Misra N.            | Symposium on Paediatric Ophthalmology An overview, Baroda Ophthalmic Society, Baroda, 13 June, 1993.                                | Assessment of the Faculties of a normal and handicapped child with special emphasis on testing of vision.                  |
| 2. | Saraswathi T.S.                    | Family, school and literacy : The preschool period Netherlands National Commission for UNESCO, The Hague 6-8 Sept. 1993.            | Interaction between develop mental processees and eco-cultural context.  |
|    |                                    | Consultative meeting for the International year of the Family 1994, Tata Institute of Social Sciences, Bombay 13-14 December, 1993. | Empowering Families.   |
|    |                                    | Aspects of Childhood, Max Mveller Bhavan, Hyderabad, 26-27, Feb. 1994.  | Learning without burden : Summary report of committee on curriculum load appointed by Human Resource Development Ministry. |
| 3. | Parekh K. & Mohite P. D.           | Indo-Scvidish workshops on child's right of play, SNDT University Pune, 1-4, June 1993.   | Learning materials in the area of Maths curriculum Patterns of Play.   |
| 4. | Pathak Y.                          | Indian Science Congress Association 81st Session Jaipur, 5 Jan. '93.  | Nutrition Research from Lab to home.   |
| 5. | Pathak Y., Shah A. and Bhargava S. | XX Biennial Conference of the Home Science Association, Coimbatore, 21-23 December, 1993.   | The role of grand parents in child rearing.  |
| 6. | Mallya I.                          | Celebration of WHO day and Annual day of the K.G.P. Children's hospital, Baroda Medical Association, Baroda, 4, April, 1993.        | Extending services for children with special needs.  |

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| 7. | Sriram R.              | Family and Environment The 7th Biennial Conference of the Asian Regional Association of Home Science, (ARAHE) Kaulalumpur, Malasia 19-24, July 1993. | Child care needs of rural women and households.                |
| 8. | Misra N. & Bhargava S. | Workshop on Down's Syndrome, Academic society of KGP children's hospital, Medical Care Trust Baroda, 4 April 1993.                                   | Experience of bringing the Down's Syndrome in the main Stream. |
| 9. | Bhargava S. V.         | Teacher's Training Programme on Integrated Education, Baroda Citizen's Council, Baroda, 17, December, 1993.  | Identification of children with special needs.                 |

#### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr No.	Name of Person(s)	University/Institution and Date	Title of Lecture
<b>Department of Home Science Education and Extension</b>			
1.	Parlikar K.R.	Dept. of Education Faculty of Education and Psychology Orientation Programme for newly recruited University Teachers of M. S. University 10 Jan. 1994.	Self Evaluation by University Teachers Nature and Types.
		Academic staff College of Gujarat University Ahmedabad 22 Feb. 94.	Concepts and Trends in Extension Education
2.	Joshi U.	Barod Citizens Council Training Programme in group communication media for field functionaries Sept. 1993.	Importance of group communication media for field functionaries.
		Gujarat University Academic staff college orientation programme for Home Science teachers 1 March 94.	Philosophy, objectives and structure of home science and curriculum trends in Home Science.
		Orientation programme for principals/Senior administrators of women's college. SNTD University, Bombay 5-16 Oct., 1994.	Empowerment programmes of the Department of Home Science Education and Extension, Faculty of Home Science, Baroda.
3.	Das A. A.	Training programme under "Project Integrated Education for disabled for Primary Teachers" organised by Municipal School Board, Baroda 8 September, 1993.	Aims of Education in New Policy of Education. Identifying various disabilities through class room observations among learners and guidance.
4.	Patil A.	Sabhagruha of District Panchayat Baroda 7 - April 1993.	Literacy Programme in Rural area.
5.	Pandya R.	Lion club of Ajwa Baroda 22nd June, 93.	Importance of Legal education for women.
		Sabhagruha Channi Town Hall Baroda 25th August, 93.	Use of Teaching Aids for Non-Formal Education.
		Teachers Training Programme organised by Baroda Citizen Council, Federation Building, Baroda 14 September, '93.	Aims of Education

6. Pandya A. U.C.C. State Level Seminar on "Training in Extension"  
Department of Home Science Education and Extension  
Faculty of Home Science 19 March '94.

Role of Puppets in Extension

#### Department of Foods and Nutrition

1. Chakraborty B.K. SNDT Women's University Bombay 9 October '93.  
Foods and Nutrition Dept. SNDT University Bombay  
3-4 February, 1994.
2. Bakshi M. ABB (Baroda office) Sept. '1993.  
Bakshi M. ABB (Baroda office) Oct., '1993.
3. Kanani S. Retired officers forum Baroda Nov., '93.
4. Anand A. Navarachna School Baroda, March '94.
5. Sheth M. Mothers & Children at Maretha village Baroda, April '93.
6. Agrawal V. Mahila Shivir for pregnant women Baroda March '94.

Adulteration of milk and milk products.

Daiying in India major trends and technologies.

Dietary Guidelines for Executives

Dietary Guidelines for Executives

Diet & Nutrition after 60 years of age.

Nutritional Aspects of food, Food Fads and fallacies.

Children feeding practices using low viscosity gruels.

Improving Nutritional status through Improved food practices.

#### Department of Home Management

- George R.R. Department of Home Science Extension Education,  
Faculty of Home Science, M. S. University of Baroda,  
15 March, 1994.

Renewable Energy forms and Technologies Need for Extension Education.

#### Department of Human Development and Family Studies.

1. Mistry V.R. College of Home Science, Punjab university,  
Chandigarh, 24-25 March '94.
2. Saraswathi T.S. Tufts University, Medford MASS, U.S.A.  
13 July, 1993  
15 July, 1993  
20 July, 1993  
22 July, 1993  
27 July, 1993
3. Pathak Y. Baroda Citizens Council, Baroda 7 Sept., '93.  
Methodist Technical Institute, Baroda, 8 Sept., '93.  
IPCL School, Baroda 11 Sept., 1993.  
Jivan Sadhna School Baroda 19 March, 1994.  
Methodist Technical Institute, Baroda, 21 March, 94.

Early Childhood Care and Education : Perspective.

Infancy Research : Prevalent trends.

Significance of human development in cultural contexts.

Eco-cultural theory of human development.

Socialization : A cross cultural perspective with focus on India

Adulthood and identity.

Ageing across cultures.

Child to Child Approach

Importance of parents & community education and their involvement in School program.

Significance of teacher's day.

Parenting skills.

Child to Child

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| 4. Dave P. B.      | Vikas Jyot Trust Baroda, 18 May, 1993.  | Stages of Adolescent Development   |
|                    | Methodist Technical Institute, Baroda 16 Feb., '94.   | Family Life Education  |
|                    |   | Status of women  |
| 5. Parikh J. K.    | Nagar Prathmic Samiti, Baroda<br>30 Aug. 1993   | integration of disabled children   |
|                    | 1 Sept., 1993   | Concept of integration and why integration of disabled children is necessary                                 |
|                    | 2 Sept., 1993   | Concept of integration and how integration of disabled children in municipal corporation school can be done. |
|                    | 6 Sept., 1993   | Integration of normal children with disabled children and teachers role.                                     |
|                    | Methodist Technical Institute, Baroda, 29 Sept., 93   | Communication and strategies of dealing with slum and rural community.                                       |
| 6. Misra N.        | Baroda Citizen Council 15 Sept., 1993.  | To identify children with special needs.   |
|                    | Methodist Technical Institute, 27 Sept., 1993.  | Need & importance of infant testing.   |
| 7. Konantambigi R. | Killol Day Care Centre 24-26 April, 1993<br>(Lecture series)                                | Importance and nature of caregiver-child interaction.  |
| 8. Mankodi H. J.   | Learning Resource Centre, Department of H.D.F.S.<br>M. S. University, Baroda 9 Sept., 1993. | Communication strategies for Supervisors.  |
|                    | Kashibai Children's Hospital Baroda<br>20-30 Nov., 1993 (Lecture series)                    | Growth and Development of children - principles and guidelines for adults.                                   |
| 9. Kaur B.         | Purdue University. West Lafayette, IN, U.S.A.,<br>3rd March, 1994.                          | Child Development research in India : Trend & current issues   |
|                    |   | Some Innovative programme in ECCE in India.  |

#### V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS, ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
<b>Department of Clothing &amp; Textiles</b>			
	Patel S. I. & Phadke S.M.	Workshop on 'Soft Toys' Rural Development Centre, Panelav - Halol, 13-18 Sept., 1993.	Advisors
<b>Department of Home Science Education and Extension</b>			
1.	Shah A. J. Joshi U.G., Purohit B. S., Pahad A. H., Mehta N. U. & Maniar A. T.	Training workshop for Urban Basic Service Beneficiaries sponsored by UCD Baroda Municipal Corporation 31 Jan. - 19 Feb., '94.	Director Co-Director Supervisor. Supervisor Supervisor Supervisor

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| 2.  | Shah A. J.,<br>Joshi U. G.,<br>Pandya R. M. &<br>Mehta N. U.    | Seminar on "Women and Religion" Department of Home Science Education and Extension, M. S. University, Baroda 25 Feb., 1994.  | Chief Organizer<br>Organizer<br>Organizer<br>Organizer   |
| 3.  | Parlikar K. R. &<br>Patil A.                                    | National Workshop on Women in Fisheries Sponsored by WHODSIC Faculty of Home Science, M. S. University Baroda 28-30 Aug., 1993.  | Director<br>Participant                                  |
|   | Parlikar K. R.,<br>Patil A. S. &<br>Pandya R. M.                | Seminar on Organic Foods and Health organized by Vadodara Academy of Individual Development R.C. Patel Estate Baroda.  | Participants   |
|   | Parlikar K. R.,<br>Patil A. S.,<br>Pandya R. M. &<br>Rathore S. | State Level Seminar on Training in Extension Education Department of Home Science Education and Extension Faculty of Home Science, M. S. University, Baroda, 15-20 March 1994. | Director<br>Co-Director<br>Co-Organizers<br>Co-Organizer |
| 4.  | Joshi U.  | Orientation programme for Principals/Senior Administrators of Women's Colleges. SNDT Bombay 5-16 Oct., 1993.   | Participant  |
|   |   | Orientation programme for Home Science teachers, Academic Staff College, Gujarat University, Ahmedabad, 1 March, 1994.   | Resource Person  |
| 5.  | Das A. A.   | Seminar on Empowerment of Women for Educational Leadership Department of Educational Administration, M. S. University, Baroda, 11-12 Feb., 1994.                               | Participant  |
|   |   | Bhavai on AIDS at Servants quarters, M. S. University of Baroda, 24 March, 1994.   | Writer, Director and Organizer                           |
|   |   | Exhibition in regional language on "AIDS" at servants Quarter, M. S. University of Baroda on 28 March 1994.  | Supervisor   |
| 6.  | Pandya R.   | "Workshop on Women Awareness" Chanod, Organized by citizen's Council Ahmedabad 26-27 April, 1993.  | Resource Person  |
| 7.  | Patil A.<br>Pandya R.   | Co-organizers with Baroda Taluka Development office a workshop on "Master Trainer's Programme in Literacy" At Channi Town Hall baroda. 23-27 Aug., 1993.                       | Co-organisers  |
| 8.  | Pahad A.,<br>Maniar A.<br>Rathore S.                            | Seminar on Women and Religion, Department of Home Science Education and Extension, M. S. University, Baroda 25 Feb. 1994.  | Participants   |
| <b>Department of Foods and Nutritions</b> |   |  |  |
| 1.  | Dhabhai Deokinandan   | 81st Indian Science Congress, Jaipur 3-8, Jan., 1994.  | Chaired a session.                                       |
|   |   | Technical Training Programme on Quality Control in production and use of ARF, Department of Foods & Nutrition, M. S. University, Baroda, 23-27 Aug., 1993.                     | Resource person  |
| 2.  | Mehta P.  | Technical Training Programme on Quality Control in production and use of ARF, Department of Foods & Nutrition M. S. University, Baroda 23-27 Aug., 1993.                       | Resource person  |
| 3.  | Tuteja S.   | Technical Training Programme on Quality Control in Production and use of ARF, Department of Foods & Nutrition M. S. University, Baroda 23-27 Aug., 1993.                       | Resource Person  |

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| 4. | Chakraborty B.K.                         | Conference on Transferable technologies in dairy processing at NDRI, Karnal. 1-4 may, 1993.   | Chaired a Session              |
| 5. | Seshadri S.                              | National Advisory Committee of the Child Resource Centre, CHETNA, Ahmedabad, 31 July, 1993.<br><br>National Symposium on women work and breast feeding, NIPCCD, New Delhi, 4 Aug., 1993.  | Advisor<br><br>Resource person |
| 6. | Seshadri S.,<br>Sharma K. &<br>Saiyed F. | Workshop on Focus group discussion as a part of the Collaborative project on Anemia Control in Kathmandu, Nepal and as a part of International networking of the South East Asia Regional Nutrition on research of WHO 3-8 January, 1994. | Consultant Resource Persons    |
| 7. | Tuteja S.                                | Training Programme on Heavy Metals At : CFTRI - Mysore, 6-17 December, 1993.  | Trainee                        |
| 8. | Kanani S. J.                             | Workshop on Action Linked Methodolies for Women's Health organized by Women's Health Advocacy Cell (WHODSIC), M. S. University, Baroda, 13-15 April, 1993.  | Organizer                      |

#### Department of Home Management

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| 1. | Ogale N. A.  | XXth Biennial Conference of Home Science Association of India Coimbatore 21-23 December 1993.   | Executive Committee Member.   |
| 2. | Dass A. V.   | Strengthening Institutional Capabilities of Women Entrepreneurship Training of Trainers, at International Centre of Entrepreneurship and Career Development - Ahmedabad. 13 June - 3 July, 1993.<br><br>World Conferene on Women and Wealth Generation in New World order organised by Baroda Management Association 28-29 January '94. | Participant<br><br>Participant  |
| 3. | George R. R.<br>Ogale N. A.<br>Gandotra V. S.<br>Dass A. V.<br>Shukui M. R.<br><br>Joshi S. S.<br><br>Jayu N.<br><br>Sharma A.<br>Yadla V. &<br>Begum R. | National Seminar on "Families in Transition : Issues and Challenges" Organized by Department of Home Management, Baroda 29-31 March 1994  | Director<br>Resource Person<br>Participant<br>Participant<br>Participant & Cultural Prog. Coordinator<br>Participant & Cultural Prog. Coordinator<br>Participant & Cultural Prog. Coordinator<br>Participant<br>Participant |

#### Department of Human Development and Family Studies

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| 1. | Saraswathi T.S. | Summer Course on Human Development in Cultural Contexts, Eliot-Pearson. Child Study Centre, Tufts University, Med Ford U.S.A. 13 July - 8 Aug., 1993.<br><br>Refresher Training Program in Psychology (Advanced Level) Punjab University, Chandigarh, 27-28 Dec., 1993.<br><br>National Seminar on 'Families in Transition - Issues and Challenges, Department of Home Management, M. S. University of Baroda, 29-31 March, 1994. | Visiting Professor<br><br>Resource Person<br><br>Resource Person |
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| 2. | Pathak Y. & Mallya I.  | Consultative meeting with heads of Non governmental organizations in the State of Rajasthan and Gujarat, Chetana, Ahmedabad, 9-10 March, 1994.   | Participants        |
| 3. | Pathak Y., Misra N. Mankodi H., Shastri J., Shah A., Bhargava, J., S., Bhagia D. & Pathak S. | Workshop on 'Sensitizing Supervisors of Pre-Schools of Baroda with regard to including family issues in the Pre-school curriculum, Chetan Balwadi, Faculty of Home Science, M. S. University, Baroda, 17 March 1994. | Organizers          |
| 4. | Pathak Y.  | National level workshop on Women and STD/HIV/AIDS Baroda 28-30 March 1994.   | Organizer           |
|    |  | World Conference on Women and Wealth generation in New World Order, Baroda Management Association, Baroda 28-30 January, 1994.   | Participant         |
|    |  | Seminar on Women and Religion, Department of Home Science Education and Extension, Baroda, 25 Feb. 1994.   | Participant         |
|    |  | Seminar on Changing Role of Women in Economic Development - Indo Canadian Perspective, Department of Business Economics, M. S. University, of Baroda, Baroda.  | Participant         |
| 5. | Pathak Y. & Mankodi H.   | Organized an inservice training program for K.G. teachers at South Western Air Comand (AFWWA - Regional) Mount Abu, 14-19 June 1993.   | Invitee             |
| 6. | Mohite P. D.   | Training of ECCE Personnel - a seminar organized jointly by OMEP and Department of Child Development, SNDT University of Bombay, Bombay, 25-26 March 1994.   | Resource Person     |
|    |  | State level training workshop for CDPO's on Components of ICDS including ECCE, Gandhinagar, 7-8 October, 1993.   | As a LRC Director   |
| 7. | Dave P. B.   | Workshop on forum for Creche and Childcare services, India international Centre, New Delhi 21-23 July 1993.  | Participant         |
|    |  | Workshop on In support of Breast feeding : An Inter disciplinary Forum, Baroda 7 Aug. 1993.  | Organizer           |
|    |  | Brain storming on Planning Household study on Aging WHODSIC Department of Human Development and Family Studies, M. S. University of Baroda, Baroda 11-12 Dec. 94.  | Participant         |
|    |  | Seminar on Empowerment of Women for Educational Leadership Department of Education, M. S. University of Baroda, Baroda 11-12 Feb. 1994.  | Participant         |
|    |  | Seminar on Women and Religion, Department of Education and Extension, M. S. University of Baroda, baroda, 25 Feb. 1994.  | Participant         |
|    |  | Workshop on Women and STD/HIV/AIDS in Baroda, WSRC, WHODSIC Baroda, 28 March, 1994.  | Participant         |
|    |  | National seminar on Families in Transition : Issues and Challenges, Baroda, 29-31 March, 1994.   | Deputed participant |
| 8. | Dave P. B. & Shah A.   | Workshop on "Family Therapy in India, Department of Human Development and Family Studies, Faculty of Home Science, M. S. University, Baroda March, 94.   | Participants        |

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| 9. Mallya I. P.  | Training program of Child to Child Workers, Baroda Citizens Council Recreation Centres, Baroda 9-15 May, 1993.  | Organiser and Resource Person    |
|  | National training workshop on Child to Child, Chetna Ahmedabad, 18-20 may 1993.   | Resource Person                  |
|  | In house orientation program in Child Development - Welfare perspective, Vihaan, Jaipur, 23-25 June 1993.   | Expert                           |
|  | Workshop for Balwadi Planning and community involvement, Vihaan, Jaipur, 26 June 1993.  | Expert                           |
|  | Refresher Training to recreation workers of Baroda Citizens Council, BCC, Baroda 26 Sept. 1994.   | Expert                           |
|  | Workshop to field test Manual for Preschool teachers and Camp as module for parents education, Chetna, Ahmedabad, 5 Sept. 1993.   | Expert                           |
|  | National Seminar on Rights of the Child in Rajasthan, Vihaan, Jaipur 24-25 Jan. 1994.   | Participant                      |
|  | Workshop on Home based Mother's education for preschool teachers Vihaan, Jaipur, 23-26 Jan. 1994.   | Participant                      |
| 10. Dave P., Mallaya I., Kapadia S., Parikh J. & Shah A. | Two days brain storming on Revisiting the area of Family in HDFS curriculum, Department of Human Development and Family Studies, Faculty of Home Science, M. S. University of Baroda, Baroda 15-16 April, 1993.                   | Organizers                       |
| 11. Sriram R. & Shah A.                                  | Women and communalism Women's Studies Research Centre, M. S. University of Baroda, baroda 17 April 1993.  | Invited participants             |
| 12. Sriram R.  | All India Womens Studies Conference on New Economic Policy and implications on women, Mysore, Karnataka, 30 June - 3 July, 1993.  | Delegate                         |
|  | Multiple approaches to Early Childhood Care and Education, ACCESS, Madras, 21-23 Sept., 1993.   | Invited Participant              |
|  | Aging in contemporary society : A Brain Storming workshop, Resource Centre for Women, Households and Development, M. S. University of Baroda, Baroda 9-15 Dec. 1993.  | Member of the Core committee     |
| 13. Kapadia S.   | 'Workshop on Action - Linked Research Methodologies for Women's health Baroda 13-15 April 1993.   | WHODSIC Member                   |
|  | Workshop on qualitative research, Tata Institute of Social Sciences Bombay, 11-14, October, 1993.   | Participant                      |
|  | Workshop on Women and AIDS, Faculty of Home Science, Bombay, 11-14 October, 1993.   | Participant and Resource Person. |
| 14. Shastri J. A.  | Training for Central Social Welfare Board Supervisors on Activities and games to enhance Socio-emotional development of Preschool Children, ECD/LRC Project, HDFS Department, Faculty of Home Science, Baroda, 7 September, 1993. | Resource Person                  |
|  | Seminar on Training for Early Childhood Educators : Perspectives and Prospects, SNDT-OMEP, Department of Human Development, SNDT Women's University, Bombay, 25-26 March, 1994.   | Participant                      |

15.	Konantambigi R. M.	Regional Seminar on Trends in Home Science Research, P.C. Department of Home Science, S.P. University Vallabh Vidyanagar, 19-20 March, 1994.	Participant
16.	Shah A.	Seminar on Professionalism in Education, IPCL, Baroda 1-4 April, 1994.	Participant
17.	Jasrai S. Y.	27th Annual Conference of IAPE, Gandhigram, Tamilnadu, 27 December, 1993.	Resource Person
		Workshop on Music and Movement Dept. of HDFS, M. S. University of Baroda, 21 March, 1994.	Participant
18.	Bhargava S. V.	Training program on Psychological Assessment of Persons with Mental Handicap National Institute for Mentally Handicapped, Secundrabad, 17-19 January, 1994.	Participant
19.	Kaur B.	Seminar Fulbright Scholars' Annual Conference on Inside Washington : Washington. D.C. U.S.A. 3-5 March, 1994.	Participant
<b>Department of WSRC/WHODSIC</b>			
1.	Verma A. & Chohan A.	Sixth National Conference of the Indian Association for Women's Studies, Mysore 30 may - 3 June, 1993.	Vice President and Participant
2.	Verma A.	Meeting of the International Planned Parenthood Federation, 10-19 October, 1993.	Chair person
		World Council of IPPF, Washington D C 18-28 Nov. 1993.	Chair Person
		Special meeting to discuss a paper title Women's Perspective on reproductive health and rights, Peshawar, Pakistan 20-24 March 1994.	Participant
		WHO Workshop on Women's health, New Delhi, 21 October, 1993.	Participant
		World Conference on Women and Wealth Generation in New World Order, Baroda, 28-29 January, 1994.	Advisor
		Changing Role of Women in Economic Development : Indo-Canadian Perspectives, Baroda 26-27 February, 94.	Chair person of the Session
		Women and Religion, Baroda, 25 February, 1994.	Participant
3.	Mehta B.	Settlement Planning and Management : Women's perspective, New Delhi, 21-25 August, 1993.	Participant
		Sexual Abuse and Communication Skills, New Delhi, August, 1993.	Participant
		Review of two decades of Women's Movement and Women's Studies, Bombay, January 1994.	Consultant
4.	Mehta B. & Chohan A.	Qualitative Research, Bombay, 11-15 October. 1993.	Participant
5.	Chohan A.	Women and AIDS, Risikesh, 1-5 March, 1994.	Participant
6.	WHAC Group	Action linked Research Methodologies for Women health 13-15 April, 1993.	WHODSIC members

## VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Name of the Dept.	Description of the Award
1.	Tuteja S. K.	Department of Foods & Nutrition	Selected for award of Rotary Foundation - Rotary International for visiting Argentina for a period of 6 weeks as member of Group Study Exchange Team.
2.	Pathak Y.	Department of Human Development and Family Studies	Elected as member of the Executive Committee of Indian Science Congress Association for 1993-94 and 1994-95.
		Department of Human Development and Family Studies	Prof. B.C. Guha Memorial lecture award, Indian Science Congress Association, 1994.
		Department of Human Development and Family Studies	Consultant to Indira Gandhi National Open university (Baroda, Centre)
3.	Mallya I.	Department of Human Development and Family Studies	Appointed as Executive Member of Vihaan, Society for Child Development and Education in Rajasthan.
4.	Sriram R.	Department of Human Development and Family Studies	Shastri Indocanadian Fellowship for "Women in Development" for a 4 month Research Project at a Canadian University, 1993-94.
5.	Kapadia S.	Department of Human Development and Family Studies	Awarded the WHODSIC Fellowship for a study visit to the U.S.

## VII. DISTINGUISHED VISITORS :

Sr.No.	Name	Designation	Date(s) of Visit	Purpose
<b>Department of Foods and Nutrition</b>				
1.	Ghosh S.	Consultant Pediatrician	24.12.93	To discuss Recent advances, in Pediatric Nutrition
2.	Bentley M.	The John Hopkins University USA	3.8.93	To discuss participatory Research Techniques.
3.	Narasingarao B.S.	Former Director NIN	22.10.93	To discuss Nutrition research designs and Dietary Requirements of fats for Indians.
<b>Department of Human Development and Family Studies</b>				
1.	Sharma A.	Additional Director, NIPCCD New Delhi.	1.1.94	For U.G.C./D.S.A. Advisory Committee meeting.
2.	Sharma B.	Sr. Lecturer, Lady Irwin College New Delhi	15-16.4.94	For Workshop on revisiting the area of Family in H.D.F.S. curriculum A Brainstorming

3. Gokarn N. T.I.S.S. Bombay 15-16.4.94 For workshop on revisiting the area of Family in H.D.F.S. curriculum a Brainstorming.

#### Department of Home Management

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| 1.  | S. Suresh       | Project Engineer<br>KSCST Bangalore          | 13.4.93 | To discuss about administrative approval of the Chulha programme  |
| 2.  | Patel C.        | Panchayat President<br>Sabarkantha           | 2.7.93  | To discuss about administrative approval of the Chulha programme. |
| 3.  | Parmar V.D.     | D.D.O. Sabarkantha                           | 2.7.93  | To discuss about administrative approval of the Chulha programme. |
| 4.  | Rathod H.       | Gujarat Rajya Shramik<br>Vikas, Parishad     | 12.8.93 | To discuss about administrative approval of the Chulha programme. |
| 5.  | Rajeshirke M.D. | Pillol                                       | 4.10.93 | To discuss about administrative approval of the Chulha programme. |
| 6.  | Sharma V.       | Additional Chief Secretary<br>Gandhinagar.   |         | To approve Chimney less models.                                   |
| 7.  | Joshi A.        | Development Commissioner<br>Gandhinagar.     |         | To approve Chimney less models.                                   |
| 8.  | Sharma A.K.     | D.D.O., Baroda.                              |         | To approve Chimney less models.                                   |
| 9.  | Patel R.M.      | SPRERI Vallabh Vidyanagar                    |         | To approve Chimney less models.                                   |
| 10. | Ramana P.V.     | SPRERI Vallabh Vidyanagar                    |         | To approve Chimney less models.                                   |
| 11. | Varghese M.     | Acting V.C., S.N.D.T.<br>University, Bombay. | 31.3.94 | To deliver valedictory address                                    |

#### VIII. COMMUNITY EXTENSION WORK.

##### Department of Clothing and Textiles

The Department of Clothing and Textiles Organised

- (a) Jointly with Alumni Association of department of Clothing and Textiles fashion show "Creations '94" on 16th march, 1994 for fund raising to upgrade the department.
- (b) A workshop on soft toys at rural development centre, Panelav Halol, 13-18 September, 1993.

##### Department of Home Science Education and Extension

The Department of Home Science Education and Extension organised the following activities

- \* **Seminar** on Women and Religion on 25 February, 1994 for about 700 people who were university and school administrators, teachers, students social workers, religious leaders, professionals and housewives to clarify the role of various religions in women's development. The speakers belonged to the Hindu, Muslim, Christian, Zoroastrian and Sikh religion and gave their perspective on women in their religion.
- \* **Bhavai** (folk drama) on AIDS emphasizing its transmission, its symptoms, precautions and prevention.
- \* **Exhibition** on AIDS in Gujarati with the help of pictorial charts and posters.
- \* **Film Shows** on "Maa Ane Shishu", "EKTA" a cartoon film and "Dowry - Maharashtra" for the community.
- \* A workshop cum demonstration on creative crafts for 7-15 years old children to learn making of simple animals, dolls, structures from waste materials.

- \* Rural extension team jointly contributed to literacy programme going on in Baroda in 4 villages namely Khanpur, Ankodia, Sewasi and Mahapura and three hamlets namely Sonarkui, Ashapuri and Indiraniwas. Volunteers and school teachers at village primary schools benefitted from the literacy programme.
- \* Six projects of DWCRA under IRDP, Indira Nagar of Ankodia among Rural women on candle making, chalk making and papad making.
- \* Housing project for families below poverty line for construction of 40 new houses in Khanpur, Ashapuri Sonarkui and Mahapura and roofing of 84 old houses.
- \* Exhibition cum sale of productive arts and crafts articles and food items on 15th October, 1993 to raise Rs. 5,000/- in aid of Earthquake hit people at Lathur, Maharashtra.

#### **Department of Home Management**

Installation of 100 chulhas in Rampur Village by students of M.Sc. level in their extension course was done in Collaboration with technical back up support unit of Home Management Department. Various educational camps and demonstration were organised by students to educate the villagers regarding various benefits of improved chulhas.

#### **Department of Foods and Nutrition**

1. Nutrition week on 6-7 September, 1993 under which
  - (a) a 'Prabat Pheri' around few slums of Baroda was organized alongwith the children from the community, to deliver messages on health and nutrition.
  - (b) an 'Inter School Nutrition Quiz competition' was organized in which four leading schools of Baroda city participated.
  - (c) an exhibition on Balanced diets for the adolescent was open to the public.

#### **Department of Human Development and Family Studies**

The Department of Human Development and Family Studies, Faculty of Home Science had organized following activities as a part of the community Extension work.

1. Village block placement program in February 1994 for two weeks at Karodia village, Dist. Baroda in Co-ordination with Indian Petrochemicals Ltd. Baroda.
2. In Co-ordination with SEWA RURAL at Jhagadia, Dist. Baroda, welfare activities and training workshops were conducted for the rural people and Anganwadi workers under I.C.D.S. program.
3. A panel discussion on "Parenting skills" by experts in the field of Early Childhood Education at Jeewan Sadhana in March '94 to create awareness in the parents of young children of Baroda city in collaboration with killol Day Care Centre.
4. As a part of the International year of the Family, "Grand Parents" meeting at Chetan Balwadi to discuss various issues on Education and Child rearing practices of young children.
5. Initiated networking of creche and Day Care Centres along with killol Day care centre in the city of Baroda.

### **IX. ADDITIONAL ACTIVITY OF ACADEMIC / SOCIAL SIGNIFICANCE.**

#### **Department of Clothing & Textile**

Industrial Mill visit was arranged jointly with the Textile Association of India (Baroda Unit) at Surat for Junior M.Sc. students on 26th September, 1993.

#### **Department of Home Science Education and Extension**

To clarify the concepts of Extension, a state level training programme on Extension was organized for college teachers of Gujarat. Several topics like concepts and Trends in Extension, Role of Banks in rural development, Community development programme, Programme planning etc were taught by experts in these fields through Film strips, field visits and video shows.

#### Department of Home Management

1. Fund of Rs. 1001/- was raised by the sale of the home made snacks towards earthquake relief on 28 October, 1993 by the students of the Department.
2. Architecture classes (twice a week) and field trips were organised for the Master's students of Interior Design

#### Department of Foods and Nutrition

The department of Foods and Nutrition organized the following training programmes :

1. Two Who Fellows from the Islamic Republic of Iran were offered a one week training in the Nutrition component of the Primary Health Care in India.
2. As a part of collaborative programme on anemia control, a two days training in Focus Group Discussions was organized for the staff of the Ministry of Health, Nepal.
3. Student Doctors from NIN, Hyderabad received a one day orientation to Public Health Nutrition Research of our Department.
4. A one day training in infant feeding was organized for the undergraduate students of the Department.
5. The School feeding programme in Municipal Schools was evaluated, on the basis of which steps to improve this programme are being initiated.

#### Department of Human Development and Family Studies

1. An educational tour was planned for the P.G. Diploma students at Gandhigram (Dist. Madurai) to participate in the 27th annual conference of I.A.P.E.
2. Consultancy services offered to Methodist Technical Institute, Baroda, for Teacher Training and establishment of kindergarden and Day Care Centre for slum children for the year 1993-1994.
3. Baroda Branch IAPE was strengthened.
4. In collaboration with selected leading schools of Baroda E.C.D./L.R.C. advocates a stress free Preschool Education doing away with formal entrance tests interviews and designing a developmentally appropriate curriculum.

#### Womens Studies Research Centre and WHODSIC

1. News letters were published by WHODSIC on
  - (a) Women and Health (9th issue May, 1993)
  - (b) Gender and Development (10th issue September, 1993)
2. A dossier was published by WSRC in December, 1993 on 'should higher education be free for girls'.
3. Competition on 'Essays on atrocities against women' was published by WSRC in June, 1993.
4. WSRC, WHODSIC, IWSA, NACO and WHO had organized workshop on 'Women and STD/HIV/AIDS on March 28-30 '94.

## Faculty of Social Work

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
1.	Anjaria V. N. (ed.)	Journal of The Maharaja Sayajirao University of Baroda (Social Science Number) Vol. XLI-XLII (1992-93) No. 2	November 1993
2.	Joshi S. S.	Fifth Year Evaluation of Family Preservation Services Program of Cuyahoga County Department of Children and Family Services, U.S.A.	Monograph June 1993.

### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
1.	Mehta L. V.	A study of effects of Vipassna Sadhna on Prisoners.	"Divalo Man Divyata" (Gujarati Book) Ed-Superintendent, Central Prison 1993.
2.	Parmar M.N.	Swadhyay - Psycho-Social revolution, Study of Harijans of Sankheda, Baroda.	'Swadhyay' Oriental Institute, M.S. University of Baroda, February 1994.
		Rural Working Women Problems and Alternatives.	Workers' Education Bulletin, Central Board for Workers' Education, Nagpur June '93.
3.	Saxena S.B.	Strengthening Social Work Education.	"Social Work Education in India : Reprospect and Prospects" Ed : K.K. Jacob, Himanshu Publications, Udaipur, 94.
		Rural Women Workers Problems and Alternatives (Jointly with M.N. Parmar)	Worker's Education Journal - Quaterly, Central Board for Workers Education, Nagpur, June '93.
4.	Solanki J.D.	Navi Arthik Niti : Mahila Vikas nu Aushad Ke. Afin	'PADKAR' - Gujarati Journal March-April '93.
		Impact of Swadhyay on Harijan Co-author.	"Swadhyay" Oriental Institute, M. S. University Baroda, May, 1993.

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Date of Seminar/Conferences etc	Title of Paper
1.	Joshi S.S.	AIDS Prevention work Training of NSS, Co-ordinators of Gujarat organised by NSS. M. S. University of Baroda.	Community Oriented Approach.

2.	Navale A.	Asian Regional Commission Meeting organised by International Falcon Movement Socialist, Educational International 18 to 21 June 1993, Bangkok.	Youth Programmes in India and Antar Bharti Movement
3.	Parmar M.N.	Role of Workers' Education in National Building - Central Board for Workers Education 16.9.93. Vadodara.  Dr. Ambedkar and his socio political contribution. South Gujarat University, Surat. 22.1.94 - 23.1.94.	Evaluation of Workers' Education System in Public & Private Sector.  Dr. Ambedkar's view on Hindu-Harijan Divide.
4.	Saxena S.B.	Supervisory Development Programme Indian Industry with Federation of Gujarat Mills and Industries, Baroda. 8.11.93.	Challenges of the 1990 and Impact on Trade-Unions and Industrial Relations.
5.	Solanki J. D. Parmar M.N.	Baba Saheb Ambedkar's Contribution to Social & Political Reconstruction of India : Dept. of Sociology S.G. University, Surat. 22.1.94, -23.1.94.	Ambedkar's thought on Hindu-Harijan Divide.

#### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr No.	Name of Person(s)	University/Institution and Date	Title of Lecture
1.	Khasgiwala A.S.	Faculty of Home Science M. S. University, Baroda. December, 1993.	Types of Marriage and Family life with working mates.
2.	Parmar M.N.	Central Board for Workers' Education 28.1.94.  Vocational Rehabilitation for physically handicapped 18.2.94.  Central Board for Workers' Education; 16.3.94.  Vocational Rehabilitation for physically handicapped. 18.3.94.  Central Board for Workers Education 28.3.94.	Women's Problems and Perspectives.  Interview clinic  Present Industrial Relations Culture.  Motivation  Role of Women in National Development.
3.	Saxena S.B.	Workers Education Trust. 16.9.93.	Role of Workers Education in National Building.
4.	Vaswani T. G.	Vikas Jyot and National Institute of Social Defence New Delhi. 17.9.93.  Shramik Vidyapeeth and E.M.E. 25.9.93. Vadodara.	Status of child and youth in Society.  Women's work and schemes for socio- economic upliftment.
5.	Vyas M.D.	Department of Social Defece Govt. of Gujarat. Sept. 93.	Social Development

### V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
1.	Joshi S.S.	University Talks Aid. N.S.S. M. S. University, Baroda. 13 to 18.9.93.	Participant
2.	Khasgiwala A.	Workshop on "Conceptual Approaches to Marital Therapy and its relevance in the contemporary Indian Context" Faculty of Home Science, M. S. University of Baroda. 23.10.93.	Participant
3.	Mehta L.	State Level Training Programme for Beneficiaries of Orphanages. Gujarat State Social Welfare Board and Vikas Jyot. 17.5.93, Vadodara.	Resource Person
		State Level Training Programme Board Citizen Council, Directorate of Urban Housing Development and Unicot. 13.7.93, Vadodra.	Resource Person
		State level workshop for the counsellors and Functionaries of family counselling Centres. Gujarat State Crime, Prevention Trust 16.7.93. and 12.1.94, Ahmedabad.	Resource Person
		State level training programme for N.G.O. functionaries. Vikas Jyot and National Institute of Social Defence. New Delhi. 20.9.93. at Vadodara.	Resource Person
		State level Workshop for Rural Women Gujarat State Welfare Board and National Commission for women : Ahmedabad. 28.11.93.	Resource Person
4.	Navale A. S.	Regional Seminar on Urban Basic Services & Local participation. Institute of Social Sciences, New Delhi & Frienrich Ebert Stiftung. New Delhi. Federation Auditorium, Baroda. 8-10 April, 1993.	Participant
		NSS Advisory Committee meeting of MSU, Baroda. NSS, MSU, Baroda. 21.4.93.	Member-Secretary
		NSS Programme Coordinators Meeting, NSS Regional Centre, Ahmedabad. 1.5.93.	Participant
		Courses on Youth & Rural Development. National Inst. of Rural Development, Hyderabad. 24.5.93 to 28.5.93.	Participant
		Programme Coordinators Meeting. NSS Regional Centre, Ahmedabad. 31.5.93.	Participant
		Jilla Panchayat Literacy Committee Meeting. Collectorate, Baroda. 6.7.93.	Member
		National Consultation for NSS-SJY Celebrations. NSS P.A. Cell, New Delhi. 15.7.93.	Participant
		14.8.93 Regional Training Coordinators Meeting. NSS, P.A. Cell, Govt. of India, New Delhi. 14.8.93.	Trg. Coordinator
		Principals & Prog. Officers Seminar. North Gujarat uni. Patan at Unjha. 19.8.93.	Resource person
		Univ. Level NSS Advisory Committee Meeting. S.N.D.T. Women's Uni. G.S. Unit, Ahmedabad.	Member
		National Integration & Environment Protection Camp Kevadia. Antar Barati, Gujarat. 29-30 Aug. '93.	Camp. Coordinator
		Regional Trainers' Trg. Programme on HIV/AIDS Education. TOC, NSS, M.S.U. Baroda. 13-17 Sept. '93.	Director

	NSS-SJY Celebration - Convention. NSS P.A. Cell, Govt. of India, New Delhi. 24-25 Sept. 93.	Participant	
	NSS Programme Coordinators Meeting, Commissionerate of Higher Education, Gandhinagar. 9.9.93.	Participant	
	+2 Level NSS Advisory Committee Meeting. Commissionerate of Higher Education, Gandhinagar. 11.10.93.	Member	
	NSS State Advisory Committee Meeting. Commissionerate of Higher Education, Gandhinagar. 19.10.03.	Member	
	Orientation Training Programme for NSS Programme Officers. TOC, NSS, M.S.W. Baroda. 26.11.93 to 4.12.93.	Director	
	Sadhbhavana Shibir. NSS Regional Centre, Ahmedabad. 2-3 December, 93.	Resource Person	
	Refresher Training Programme For NSS Programme Officers TOC, NSS, M.S.U., Baroda. 3-8 Jan. '94.	Director	
	Orientation Training Programme for NSS Programme Officers. TOC, NSS, M.S.U. Baroda. 17-22 March '94.	Director.	
	Refresher Training Programme for NSS Programme Officers. TOC, NSS, M.S.U. Baroda. 17-22 March '94.	Director	
5.	Patel C.	Workshop on "Adoption" IAPA, Bombay and Directorate of Social Defence. Govt. of Gujarat. 15.7.93-16.7.93.	Participant
6.	Saxena S.B.	National Seminar on New Economic Policy : Worker Sections and the Social Work Profession. Dept. of Social Work, Delhi University Delho. 24.3.94-25.3.94.	Participant
7.	Solanki J.D.	Orientation course on Monitoring and Evaluation : National Institute of Public Co-operation and Child Development, New Delhi 6.9.93-15.9.93.	Participant
8.	Vaswani T. G.	Seminar on "Communalism and Women" W.S.R.C. Baroda. 17.4.93.	Participant
	Workshop on 'Adoption' IAPA, Bombay and Directorate of Social Defence, Govt. of Gujarat 15.7.93-16.7.93	Co-ordinator	
	Workshop on Participatory Research held at Liverpool U.K. WHODSIC 1.11.93.	Participant	
	Panel Discussion on Inter-disciplinary perspectives in Women's Studies. W.S.R.C. Baroda. 2.11.93.	Participant	
9.	Vyas M.D.	State Level Seminar on Human Resource Development. Baroda Management Association and State Association of Psychologists. November '93.	Participant

#### VI. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Name of the Dept.	Description of the Award
	Navale A. S.	Social Work	Appointed as South Asia contact person. International Falcon Movement - Socialist, Educational International.

## Faculty of Performing Arts

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS

Sr.No.	Name of Author(s)	Title of Book/Monograph Mineographed Report	Name of Publisher and Date of Publication
<b>Department of Dramatics</b>			
	Shah M.C.	ભવાઈ : તત્ત્વચર્યા (સહસંપાદક)	Akshra-Vadodara August 93

### II. PUBLISHED ARTICLES/PAPERS

Sr. No.	Name of Person	Title	Name of Journal wherein Published and Date of Publication.
<b>Department of Dramatics</b>			
1.	Bhatt J.K.	ભવાઈમાં સંવાદની લક્ષણ	ભવાઈ તત્ત્વચર્યા August 93
2.	Shah M.C.	ઉત્પલદત્ત સાથે એક સાંજ	પ્રત્યક્ષ Jan-March 94.
3.	Mehta R.B.	ભવાઈમાં આવણું-જાવણું	ભવાઈ તત્ત્વચર્યા August 93
4.	Vyas H.D.	ભવાઈમાં અશ્લીલતાનું અનુસંધાન	ભવાઈ તત્ત્વચર્યા August 93

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name of Person	Theme, organizers' Name, Place Date of Conferances Seminar etc.	Title of the Paper
<b>Department of Indian Classical Music (Vocal)</b>			
	Bhonsle D.K.	Relation between Poetry and Composition organised by Guj. Sangeet Natak Akademi and Nakshatra Kala of Junagadh on 8-9 Jan. at Junagadh	સ્વર નિયોજન અને કવિતા
<b>Department of Dance</b>			
	Shah P.A.	Japan Asia Dance Event JADE'93 2-10 August '93 TOKYO, Japan	Micro analysis of હાસ્થે રસ using Laban's Movement Analysis

### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES, PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of person	University/Institution and Date	Title of Lecture
<b>Department of Dance</b>			
	Shah M.C.	JADE '93 Tokyo, Japan 5th August 93	Dance Education in East and West

**Department of Dramatics**

- |    |           |  |                                      |
|----|-----------|--|--------------------------------------|
| 1. | Shah M.C. | H.K. Arts College, Guj. Uni. 6th August '93            | Composition Stage                    |
|    |           | Roteract club, Nadiad, 18th March, 94.                 | Oedipus-Greek Tragedy.               |
| 2. | Vyas H.D. | Narmada Vidyalyay, Bharuch<br>Nutan Bal Shikshan Sangh | Creative Theatre for the<br>Children |

**V. PARTICIPATION IN WORKSHOPS/ SYMPOSIUM / SUMMER SCHOOLS, ETC.**

Sr.No.	Name of Person	Programme, Place and Date	Capacity in which Participated
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**Department of Vocal Music**

- |    |              |   |   |
|----|--------------|---|---|
| 1. | Bhonsle D.K. | Workshop on Music organised by Dept. of<br>Youth Services and Cultural Activities, Guj.<br>State at Bhavnagar from 19-27th July 93            | Chief Conductor                           |
|    |              | State level Music Competition organised by<br>Dept. of youth Services and cultural Activities<br>Guj. State at Ahava-Dang from 25-27 Feb. 94. | Judge                                     |
| 2. | Desai S.L.   | Workshop for the students of Visharad and<br>Alankar organised by Akhil Bhartiya Gandharva<br>Mahavidyalay Mandal at Ahmedabad on 8.11.93     | Lecture Demonstration<br>on Dhrupad Style |

**Department of Dance**

- |           |  |                       |
|-----------|--|-----------------------|
| Shah P.A. | Workshop on Introduction to Indian Classical<br>Dance Movements organised for JAPAN ASIA<br>DANCE EVENT 93 at TOKYO, JAPAN on 5.8.93.  | Conductor of Workshop |
|           | Symposium on 'Cultural Policy of Gujarat'<br>organised by Guj. Sangeet Natak Akademi at<br>Faculty of Performing Arts 25 - 27 March 94 |                       |

**Department of Dramatics**

- |    |            |  |              |
|----|------------|--|--------------|
| 1. | Bhatt J.K. | Workshop on Acting organised by Guj. Sangeet<br>Natak Akademi at Bardoli 19 to 29-11-93  | Drama Expert |
| 1. | Bhatt J.K. | Symposium on 'Cultural Policy of Gujarat<br>organised by Guj. Sangeet Natak Akademi at<br>Faculty of Performing Arts. 25-27 March 94.            | Observer     |
| 2. | Shah M.C.  | Symposium on 'Cultural Policy of<br>Gujarat' 25 March to 27 March 94.  | Observer     |
| 3. | Vyas H.D.  | Symposium on 'Cultural Policy<br>of Gujarat' 25 March to 27 March 94.  | Observer     |
|    |            | National Seminar on 'Distinctive Features of<br>different schools of Sanskrit Shastras rganised by<br>Dept. of Sanskrit, MSU from 18-20 March 94 | Observer     |
| 4. | Mehta R.B. | Sypmposium on 'Cultural Policy of<br>Gujarat' on 25 March to 27 March 94   | Observer     |

5. Dabhade P.B.      Symposium on 'Cultural Policy of Gujarat' on 25 March to 27 March 94      Observer
- National Drama Festival organised by Central Sangeet Natak Akademi, New Delhi at Chandigadh. 2 Feb. to 9 Feb. 94.      Observer

#### VI EXHIBITIONS, PERFORMANCES, DEMONSTRATIONS ETC, AT STATE OR INTERNATIONAL LEVEL

Sr. No.	Name of Teacher	Performance/Demonstration
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##### Department of Vocal Music

1. Bhonsle D.K.      Classical Vocal Recital at Tana RiRi Sangeet Sammelan organised by Guj. Sangeet Natak Akademi at Navsari on 28 Feb. 94.
- Classical Vocal Recital at Late shrviman Sir Sayajirao Gaekwad's 131 Birth Anniversary Celebration at Kirti Mandir Baroda on 11 March '94
2. Pandi I.K.      Classical Vocal Recital at Baiju Sangeet Sammelan organised by Guj. Sangeet Natak Akademi at Bilimora on 19 March 94.
- Classical Vocal Recital at Savali organised by Sangeet Pracharini Sabha on 6th March 94

##### Department of Instrumental Music

1. Mistry K.S.      Sitar Recital at Tana RiRi Sangeet Sammelan organised by Sangeet Natak Akademi, Gandhinagar in Dec. 93 Regular sitar Recitals broadcast by AIR Vadodara
2. Bhanvaria N.      Regular Sitar Recitals broadcast by AIR Vadodara
3. Ranade V.V.      Violin Recital at Swar Sadhna Samiti Bombay on 6 Feb. 94.

##### Department of Dance

- Shah P.A.      Conducted and Organised Dance Recital of Rita Tailor on 18th Sept. 93
- Conducted, Organised, Choreographed and Performed Dance Programme at Badnavar, M.P. on 18-19 Oct. 93.
- Conducted, Organised, Choreographed and Performed Navratri Festival at Baroda on 20-21st Oct. 93.
- Conducted, Organised, Choreographed and Performed Dance Programme for East India Cultural Asso. on 22 Oct. 93 at Baroda and for East West Cultural Asso. on 23 Oct. 93 at Baroch.
- Conducted, Organised, Choreographed and Performed Dance Programme for Triveni Baroda on 30th Oct. 93.
- Choreographed, Conducted and Performed Dance Programme at 38th Jaycee National Convention held on 28 Dec. 93 at Baroda.
- Choreographed, Conducted and performed new dance-drama 'Chetna' at Women's International conference organised by BMA on 28th Jan. 94. Also presented at World Theatre Day Festival organised by Triveni on 27 March 94.
- choreographed, Conducted and performed dance programme at EME shivrati felelsration on 10th March '94
- Presented 'AIDS NO VESH' at WSC & WHO International Seminar held at Baroda on 29th March 94.

### Department of Dramatics

1. Bhatt J.K. Directed and Enacted play ઢોલિડો presented at World Theatre Day Drama Festival organised by Guj. Sangeet Natak Akademi at Baroda on 24 th March 94 and at Palanpur on 29th March 94.
2. Shah M.C. Acted in the play 'MALADEVI' presented at the inaugural function of Batubhai Umarvadia Theatre Research and Training Institute Ahmedabad held at Thakorbhai Desai Hall Ahmedabad on 23 Jan. 94.  
  
Acted in the play 'PARAKH' based on Bertolt Brechts's Caucassian Chalk Circle' presented at World Theatre Day Drama Festival organised by Guj. Sangeet Natak Akademi at Baroda on 25 March 94.
3. Vyas H.D. Scripted and directed the play 'Sardar Patel' for H.S. Patel High school Baroda staged at Gandhinagar Gruh, Baroda on 20-21 Jan. 94  
  
Scripted and directed dance drama based on 'Oceanography' for Balbhavan Society, Baroda presented at National Workshop for Children on Oceanography held at Daman on 7th Oct. 93  
  
Acted in the play કુશંકુ presented at West Zone Drama Festival organised by Central Sangeet Natak Akademi, New Delhi at Kala Academy Goa on 7th Oct. 93.  
  
Acted in the play presented at world theatre Day Festival organised by Guj. Sangeet Natak Akademi at Baroda on 24th March '94 and at Palanpur on 29th March '94.
4. Mehta R.B. Acted in the play ઢોલિડો presented at World Theatre Day Festival organised by Guj. Sangeet Natak Akademi at Baroda on 24 the March 94 and at Palanpur on 29th March 94.
5. Dabhade P.B. Directed and Acted in the play કુશંકુ presented at West Zone Drama Festival Organised by Central Sangeet Natak Akademi, New Delhi at Kala Academy Goa on 7th Oct. 93'  
  
Designed and operated Lights in the play ઢોલિડો presented at World Theatre Day Drama Festival organised by Gujarat Sangeet Natak Akademi at Baroda on 24th March 94 and at Palanpur on 29th March '94

## VII. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS

### Department of Dramatics

- Dabhade P.B. Selected for the Young Theatre Artist Assistance Scheme by Central Sangeet Natak Akademi, New Delhi and directed the play ઢોલિડો presented at West Zone Drama Festival at Kala Academy Goa, on 7 Oct. 93.

## Faculty of Management Studies

### I. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name (s) of Person(s)	Title	Name of Journal wherein published and date of publication
1.	Maheshwari G.C.	A Note on Ethical Dimensions of Accounting and Finances.	The Journal of Accounting and Control, Sept. 1993.
2.	Joshi K.M.	Urban unemployment in India	Vishleshan, Gujarat University Ahmedabad, Jan. March 1994.
3.	Sundararajan S.	Investing in Stock Options Options writing	VSE Newslines, March-April, 1993. VSE Newslines, May-June, 1993.
4.	Chauhan M.R.	Marketing Effectiveness : A Study	Prabandh December, 1993 issue

### II. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES, ETC.

Sr. No.	Name(s) of Person(s)	Theme, Organizer's Name, Place, Date of Seminar/Conferences etc.	Title of Paper
1.	Maheshwari G.C.	Internationalising Business Curriculum, Jodhpur University, Jodhpur Sept., 24-25 1993. Multidata Corporation.	Management Education : Direction of Change.
2.	Dholakiya M.N.	St. Louis, U.S.A. August 26th, 1993 onwards.	Emerging Business opportunities in India in the context of Liberalisation.

### III. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person(s)	University/Institution and Date	Title of Lecture
1.	Maheshwari G.C.	Academic Staff College, Mysore University Jan. 5-6, 1994.	New Trends in Capital Market
		Academic Staff College, Saurashtra University Rajkot, December 3-4, 1993.	Theory Formulation in Accounting Evaluation of Accounting Theory.
		Deptt. of Accounting, J.N. Vyas University, Jodhpur, 20/21.9.1993.	Accounting Education & Assess- ment Techniques Depreciation Accounting Income Measurement Valuation Concept.
		Kausali Institute of Management Studies, Karnataka University, Dharwad. Sept. 29th Oct., 1993.	Security Analysis & Portfolio Management, Management Control System.

2. Dholakiya M.N. S.P. University (Post graduate Institute of Business Mgt.) 8 & 17 February, 1994. Information - As a Strategic Resource  
Japanese Management  
Baroda Management Association October, 1993. Strategic management.  
Institute of Engineers 15th Sept., 1993. New Industrial policy - Challenges for Engineers.
3. Sarupria D.S. PHC, Padra (April 19, 1994) Problem Solving and Conflict Management.  
Syndicate Bank, Staff Training College, Baroda (March 17, 1994) Personal Development
4. Sundararajan S. Gordhanbhai Hathibhai Patel Postgraduate Institute of Business Management. Sardar Patel University, Vallabh Vidyanagar, April 24, 1993. How to locate growth oriented Scripts

#### IV. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC. :

Sr. No.	Name of Person(s)	Programme, Place and Date(s)	Capacity in which participated
1.	Dadi M.M.	Seminar on Indian Economy during the Decade of Eighties, Department of Economics, Baroda 25th and 26th March, 1994.	Participant
2.	Maheshwari G.C.	Workshop on Management Aptitude Test, All India Management Association, New Delhi, 30, July, 1993. Gujarat Economic Conference	Discussant Participant
3.	Dholakiya M. N.	International Conference on Women in management January, 1994.	Delegate/Managing Committee Member
4.	Sundarajan S.	'OPTIONS' at Baroda. November 30, 1993.	Faculty
5.	Kantawala A.S.	Seminar on Taxation, held by ICAI, Baroda Chapter, Baroda, April 24th, 1993. Clause by Clause Analysis of Budget 94 held by ICAI, Baroda Chapter, at Baroda dt. 11.3.1994. Seminar on Bank Branch Audit held by ICAI, Baroda Chapter, at Baroda dt. March 19th 1994.	Participant Participant Participant

#### V. DISTINGUISHES VISITORS :

Sr. No.	Name	Designation	Date(s) of Visit	Remarks.
1.	Dr. Manmohan Singh	Union Finance Minister	17.10.93	Chief Guest of the Function 'Finvest 93'.

**VI. ADDITIONAL ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE :**

1. "FINVEST '93" - Seminar cum Fair was organised by the Management Students' Forum on 16-17th October, '93. Dr. Manmohan Singh, Union Finance Minister was the Chief Guest. Dr. I.G. Patel and Dr. Manu Shroff delivered keynote address.
2. A Seminar 'AD 2000' on Marketing was organised by the Management Student's Forum on 5-6th March 1994. Main Speakers in the seminar were Mr. Sista from Sista, Mr. Atul Tandon from J.F. Morrison, Mr. P.K. Sinha from MICA, Mr. Balsara from Ogilvy and Mather, Mr. D'Souza from Mudra and Mr. Medh from Marg.
3. Many leading companies visited the Faculty for campus placement programme for final year students. This included CRISIL GLFL, Arvind, Core, Reliance, Anagram, Mafatlal, KEC International.

## Faculty of Journalism and Communication

### I. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person	University/Institution and Date	Title of Lecture	Capacity in which participated
	Shelat M. U.	Gujarat University Department of Journalism September 27, 1993.	Mass Communication	Visiting Lecturer

### II. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC. :

Sr. No.	Name of the Person	Programme Place & Date	Capacity in which Participation
	Shelat M. U.	Seminar Jointly organised by OASIS and Faculty of Journalism and Communication on "Journalism - The Role it can play in the Regeneration of India", at Baroda on May 6, 1993.	Moderator and Co-ordinator
		Seminar on Canadian studies organized by The Centre for Canadian Studies, The M. S. University of Baroda. Topic : Television and Education. January 3, 1994. Baroda.	Participant
		Gujarat Energy Development Agency. Workshop for grassroots level women extension workers. Conducted a session on "Taking Energy Messages to People : Media and Methodologies". September 24, 1993 at Panelav.	Resource Person
		The World Conference on Women and Wealth Generation in the New Economic Order. Baroda Management Association 28 to 30 Jan. 94 Baroda	Co-Chairperson Special Issue Committee, Participant and Facilitator
		Seminar on "Empowerment of Women for Educational Leadership" Dept. of Educational Administration, M. S. University of Baroda. February 11, 12 1994. Baroda.	Participant
		UGC Seminar on Dance Criticism. Faculty of Performing Arts, The M. S. University of Baroda, March 30, 1994.	Speaker

### III. DISTINGUISHED VISITORS

Sr.No.	Name	Designation	Date(s) of Visit	Purpose
1.	Kay Armetage	Professor of Cinema & Women's studies University of Toronto, Canada.	11.1.1994	Discussion with students and delivered a lecture on 'Canadian Documentary'
2.	Robert Fothergill	Professor of English Dept. of Theatre Arts Faculty of Fine Arts York Univ. Canada.	13.1.1994	Discussion with students and delivered a lecture on 'Canadian Feature Film.'

**IV. COMMUNITY EXTENSION WORK :**

1. January 12-13 1994  
An Exhibition on 'Public Service Advertising' in collaboration with the Indian Express, Vadodara.
2. February 26, 1994  
Compostic Programme for youth in 'Yuvvani' on Akashvani, Vadodara by students of the faculty.
3. May 6, 1993.  
A Seminar on "Journalism - The role it can play in the Regeneration of India. In collaboration with OASIS, Vadodara.

**V. ADDITIONAL ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE :**

1. March 22-23 1994.  
Video Production Workshop for faculty students (BCJ 1993 - 94 batch)
2. May 11 to 15, 1993  
Video Production Workshop at Educational Media Research Centre, Abmedabad for faculty students. (BC) 1992 - 93 batch)

# Polytechnic

## I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
<b>Department of Petrochemicals Technology</b>			
1.	Patel R.P. Telpande A.G., Ethirajulu K.	"Quenching Oils-Reclamation" Monograph included in the Encyclopedia of Chemical Processing and Design. Vol. 46.	Executive Editors : John, Meketta, Marcel Dekker Inc., March 1994 (U.S.A.)
2.	Panchal C.D.	"A Laboratory Manual on Testing of Petroleum Products."  "Lecture Notes on ISTE Winter School on "Operation and Maintenance of Process Equipments in Petrochemicals Engineering".	Jointly by Department of Petro-Chemical Technology, and Gujarat Refinery, Baroda.  ISTE, New Delhi and Deptt. of Petrochemicals Technology.

## II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
1.	Rajgopalan S.	X-Ray Powder Diffraction Study of $Zn-Li_{0.5}Mn_{0.5}SnO_4$	Bulletin of Material Science. Dec. 1993
2.	Teredesai P.L.	A Case Study on "Challenges Faced by a Management Accountant."  A Review of the Book titled "Principles of Business Management"	M.S. University Journal (Social Science Number) (November, 1993).  M. S. University Journal (Social Sci. Number) November, 1993 Sherlekar & Sherlekar Published by Himalaya Publishing House, Bombay.
3.	Macwan A. P.	Imaging the Self Re-forming the Canon Review-Absent Authority.  Contribution of Christianity to Literature (Gujarati) Whose Life is it Anyway A Distant Dream	The Book Review, May, 1993, Kavya Bharati, March-April, 1994.  Doot - Nov. Dec. 1993.  The Herald - August, 1993  The Herald - January 21-27, 1994.

## III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Dates of Seminar/Conference etc	Title of Paper
<b>Department of Mechanical Engineering</b>			
1.	Rao P. P.	One Day Seminar on "Institutional Management" Organized by ISTE at BVM College of Engineering, S.P. University, Vallabh Vidyanagar. 17th March, 1994.	"Collaboration of Technical Education and Management Education."

2. Prajapati A.K. National Seminar on Liquid Crystals, Indian Liquid Crystal Society, Mysore, Oct. 18-20, 94. Low Melting Smectogenic Esters.
- National Seminar on Chemistry of Liquid Crystals & its Applications Alumni Association of Applied Chemistry Deptt. Faculty of Tech. & Engg. M.S. University of Baroda, March 25-26, 1994. Mesomorphic Homologous Series of Ester having Methoxy Ethyl. Linkage.

**Department of English**

- Macwan A. P. New Literature in English Studies : Retrospect and Prospect. Organized by Indian Association for Common Wealth Literature and Language Study and Deptt. of English, M. S. University of Baroda, January 94 at M. S. University, Baroda. Music & Literature
- Teaching Creative Writing : A Creative Approach/ Organized by Deptt. of English, M.S. University, 27 Dec. 93 - 11 Jan. 94. at M.S. University of Baroda, Baroda. Modern Gujarati Short Story

**IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES PROFESSIONAL INSTITUTIONS :**

Sr. No.	Name of Person	University/Institution and Date	Title of Lecture	Capacity in which participated
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**Department of Electrical Engineering**

- |  |              |  |   |                 |
|--|--------------|--|---|-----------------|
|  | Panchal V.N. | Annual General Body Meeting of ISTE Polytechnic Chapter. Vadodara, on 26th April, '93. | How to improve the Image of the Institution | Invited Speaker |
|--|--------------|--|---|-----------------|

**Department of Petrochemicals Technology**

- |  |              |  |   |                 |
|--|--------------|--|---|-----------------|
|  | Gadavi S. J. | Gujarat Safety Council, Baroda, 26-28th August, '93. | Hazards in Chemical Industry & Safety Measures. | Invited Speaker |
|--|--------------|--|---|-----------------|

**V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC. :**

Sr. No.	Name of the Person	Programme Place & Date	Capacity in which Participated
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**Department of Applied Chemistry**

- |  |  |  |             |
|--|--|--|-------------|
|  | Yohannan M.,<br>Darji R.R.,<br>Prajapati A.K.,<br>Rajagopalana,<br>Parikh A.H. | National Seminar on Chemistry of Liquid Crystals and its Applications at Deptt. of Applied Chemistry. Faculty of Tech. & Engg., M.S. University of Baroda, March, 25-26, 94. | Participant |
|--|--|--|-------------|

**Department of Applied Mechanics**

- |  |                             |  |             |
|--|-----------------------------|--|-------------|
|  | Shah K. R.,<br>Bhagwat S.T. | One Day Seminar on "Quality Concrete" The Institution of Engineers (India) Vadodara, 25th March, 1994. | Participant |
|--|-----------------------------|--|-------------|

**Department of Mechanical Engineering**

- |  |   |  |             |
|--|---|--|-------------|
|  | Upadhyaya R.M.,<br>Patel J.T., Rao P.P.,<br>Bhavsar K.M.,<br>Qureshi M.N. | One day Seminar on Institutional Management Sponsored by ISTE at BVM College of Engg. at S.P. University, Vallabh Vidyanagar on 17.3.94. | Participant |
|--|---|--|-------------|

**Department of Petrochemicals Technology**

- |    |            |  |             |
|----|------------|--|-------------|
| 1. | Shah K. R. | One day Symposium on Analytical Techniques for Metal Analysis on 25.4.93 at Baroda.  | Participant |
|    |            | One day Symposium on Advanced Furnaces & Materials for Melting on 21.1.94 at Baroda. | Participant |

## Baroda Sanskrit Mahavidyalaya

### I. A) PUBLISHED BOOKS B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph Mineographed Report	Name of Publisher and Date of Publication
1.	Shukla U.H.	Pushti Prasad	Shri Vallabha Seva Niketan Trust, Baroda. Dt. 6-11-93
		Vaishnav Panchang, with comments	Shri Vallaha Vitthal Granth Prakashan Mandal Trust, Baroda. 10-11-93.
		Pushtimargiya Vratotsav	Shri Vallaha Vitthal Granth Prakashan Mandal Trust, Baroda. 10-11-93.
2.	Pathak A.S. & Purohit K.J.	Vratotsav, A Panchang for daily use.	A.S. Pathak & K.J. Purohit, Baroda 25-10-93.

### II. PUBLISHED ARTICLES/PAPERS

Sr. No.	Name of Author(s)	Title	Name of Publisher and Date of Publication
	Raje-Shirke D.A.	A Hilarious Carnival of Love	"The Book Review" Journal, published by The Book Review Literary Trust New Delhi, May, 1993.

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES, ETC. :

Sr. No.	Name(s) of Person(s)	Theme, Organizer's Name, Place,	Title of paper
1.	Shah R.G.	Seminar on Distinctive Features of Shastras" Dept. of Sanskrit, Faculty of Arts, M.S.U., 18,19,20th March, 1994.	Vaishnava Puranas
2.	Pandey H.M.	Hindu Seva Pratisthanam, Bangalore, All India Sanskrit Teachers Conference, 7 to 9 Jan. 1994.	गुजरात प्रान्ते संस्कृत स्थ स्थितिः
3.	Shukla N.C.	Hindu Seva Pratisthanam, Bangalore, All India Sanskrit Teachers Conference 7 to 9 Jan. 1994.	आधुनिक युगे संस्कृत शिक्षणस्य विचारः । शिक्षणसंस्कृत साहित्ये गुजर पंडिताना योगदानम

## IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of the Person	University/Institution and Date	Title of Lecture
1.	Shah R.G.	Institution for Handicapped Women, (Conducted by Govt. of India), 15-2-94  Temple of Yamunaji, Waghodiya Road, Behind Behind Ranchhodaji Mandir, Baroda. 18-8-93 to 16-9-93.	Hinda Darshana & Vyaktitva Ka Vikas  Lectures on the 10th Skanddha of the Bhagwat.
2.	Purohit K.J.	Baroda Astrological Group. Dt. 5-10-93.	The Horoscope Analysis through Face Reading  વિવાહકો ધાર્મિક વિધિનો જ્યોતિષ સાથે શાસ્ત્રીય સંબંધ

## V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of the Person(s)	Programme Place & Date(s)	Capacity in which participated
1.	Rakhe G.A.	All India Sanskrit Conference, Bangalore from 7-12-93 to 9-12-93	Faculty
2.	Rajeshirke D.A.	A Seminar on Creative Writing in English" organised by the Dept. of English, M.S. Univ. Dt. 27-12-93 to 11-1-94  A seminar on "Commonwealth Ljiteratures" organised by the Dept. of English, MSU, at the Dept. of Eng. M.S.U. 1st, 2nd & Jan. 1994.	Participant  Participant

## VI. DISTINGUISHED VISITORS :

Sr. No.	Names	Date(s) of Visit	Purpose
1.	P.P. Goswami Shri Indiribetiji Maharaj	12-4-93	Opened Shastra Saurabh Exhibition
2.	P.P. 108, Shri Vageshkunarji Maharaj	12-4-93	Delivered lectures
3.	P.P. Goswami Shri Indirabetiji Maharaja	18-5-93	Inaugural function of Shrimad Vallabhacharya Chair
4.	P.P. 108, Shri Vrajeshkumarji Maharaj	18-5-93	Opened Vallabhacharchaircchair function
5.	P.P. Swami Satyapalji Parivrajaka Darshan Yoga Vidyalaya, Sagpur, Sabarkanth a Dist.	19-10-93	Delivered a lecture on Yoga Mimansa
6.	P.P. Gangasharan Saheb Chief of Kabir School	12-2-94	Delivered a lecture on Bharatiya Darshan Parampara me Kabir ka Yogdan.

**VII. ANY PROGRAMME OF THE FACULTY FOR THE BENEFIT OF THE COMMUNITY EXTENSION WORK :**

1. An Exhibition viz. Shastra Saurabh Pradarshan was Opened on 12-4-93.
2. The Annual function was held on 3-9-93 (the Establishment Day of the institution).
3. The festival of Sharadotsava was arranged on the Navaratri Mahotsav in 1993.
4. The 3rd session of the National Seminar on Vishnupuran and Markandaya Puran, arranged by Oriental Institute was held at the Sanskrit Mahavidyalaya on 30-7-93 at 9 a.m.
5. Various delegates attending the at Valmiki Seminar of Oriental Institute such as Prof. Cardona, and Prof. Goldman, and Prof. Mrs. Goldman . visited B.s.M. during 26,27,28, Jan. 1994.
6. The Alankar Session of the seminar aranged by the Department artment of Sanskrit Faculty of Arts was held at BSM on 19-3-94 at 9. a.m.
7. The classes for the community namely Samajabhimukh were handled by the teachers of the BSM viz. Shri R.S. Vyas, Shri C.B. Joshi, Shri V.B. Vyas, Shri T.A. Dave, Shri K.R. Vaidya & by a student viz. Vijay Purohit.
8. The workshops in the astrology were arranged by the BSM at IPCL & Vanijayabhavan.

**VIII. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANE ORGANIZED BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS :**

**Highlights of the Institutions :**

1. During the current academic year, a letter of acceptance from Shri Arunkumar Govindlal Shah has been received for constructing a building worth Rs. 25 lakhs for the BSM.
2. The Vallabhacharya Chair was instituted at the B.S.M. and an inauguration ceremony for the Chair was organised at Mahatma Gandhi Nagargruha in the presence of many renowned scholars and celebrities of the city.
3. On behalf of the Indian Students Allumni, U.S.A., the Secretary, Shri Pramodkumar Shah (Texas) donated Rs. 15000/- to the BSMj for the benefit of of the students. Shri Shah has also promised to send an amount of Rs. 40,000/- to the BSM for setting up a Book Bank at the BSM.

## Shri M. K. Amin Arts & Science College and College of Commerce, Padra

### I. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
	Panjawani P.	"Patrography Harrapa Pottery from Lothal	"Man and Environment" 1989.

### II. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Dates of Seminar/Conference etc	Title of Paper
1.	Shukla D.S.	Gujarat Hindi Academy, Ahmedabad, Hindi Bhuvan 5-6 March, 1994.  Theme - "Hindi Sodh" Gujarat Vidyapeeth, Ahmedabad Deptt. of Hindi - 28-30 March, 1994. Theme : "Hindi Sodh Ke Dishain".	"Gujarat Ke Hindi Riti Granth"  "HINDI SODH KI DISHAIN"
2.	Panjawani P. A.	Paper accepted for "World Archeology Congress to be held at Delhi, December - 1994, International Conference.	"Ceramic Technology in ancient Gujarat".
3.	Murlidharan K.	Gujarat Statistical Association 11th April, 1993. Venue : Ahmedabad.	"A non programatic Test for location based on subsample".

### III. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person	University/Institution and Date	Title of Lecture
	Shukla D.	Bhavanagar University 14th	"Hindi Vikas Ke Charan" Sept., 93.

### IV. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC. :

Sr. No.	Name of the Person	Programme Place & Date	Capacity in which Participation
1.	Shukla D.S.	Visiting fellow, Bhavnagar University, from 10- 24 September, 1993.	As an invited Professor.
2.	Panjawani P. A.	Participated in Numismatic conference Ajmeri- Dist. Nasik.	

3. Ahmed S. Z. Programme : National Level Seminar on "Women & Religion".  
Place : C.C. Mehta Auditorium Baroda.  
Date : 25th February, 1994. Participant
- Programme : Conference on Changing Role of Women in Economic Development. Indo Canadian Perspectives. Place : Hotel Rama Inn, Baroda Date : 26-27 February, 1994. Participant/Organiser : Faculty of Home Science, Deptt. of Home Science Education & Extension  
Organiser : Department of Business Economics Faculty of Commerce & Centre for Canadian Study of Baroda.

#### COLLECTION OF BOOKS & JOURNALS

	Books	Bound Periodicals	Total Cost
1. Number at the beginning of the year	12,691	-	2,55,137.18
2. Number added during the year	242	-	11,967.90
3. Number with-drawn during the year	Nil	-	-
4. Number remaining at the end of the year	12,933	-	2,67,105.08

#### CIRCULATION OF BOOKS

1. Timings : The reading room of the library has sitting accommodation for seventy five students. During the College Test and Annual Examination the extra seats are provided in Reading Room Premises. The working hours of the Library are from 8.00 a.m. to 3.40 p.m. on all the working days. The Library Services were extended from 8.00 a.m. to 6.00 p.m. on working days (Including Sundays and Holidays) before one month of commencement of College Test and Annual Examinations.
2. Registration of Different Categories :
  - a) Total number of students' registration during the year 1993-94 1221
  - b) Total number of Ex-students' registration during the year 1993-94 35
  - c) Members of staff (Teaching & Non-teaching on Registration List 51
3. The statistics of the use of the College Library :
  - a) Daily average number of Readers Visiting the Library 102
  - b) Total number of books issued per day for reading 28
  - c) Average number of books for home reading from General collection 25
  - d) Average number of books issued per day from circulation 07
  - e) Average number of books issued per reader in the year 1993-94 26

## Oriental Institute

The main work of the Institute is research and publication of important unpublished works on all subjects related to Oriental Studies in general and Indology in particular. At the close of the year under report the total number of publications stood at 174 in the Gaekwad's Oriental Series and 646 works in other Series. One book namely 'Visnudharmottarapurana' Vol. I was published.

The Publications are under the following Series :

- |  |                                     |
|--|-------------------------------------|
| 1. Gaekwad's Oriental Series                     | 2. M. S. University Research Series |
| 3. M. S. University Oriental Series              | 4. M. S. Memorial Lecture Series    |
| 5. Shri Sayaji Sahityamala                       | 6. Shri Sayaji Gramvikasamala       |
| 7. Shri Sayaji Balajnanamala                     | 8. Shri Shishujnanamala and         |
| 9. <b>Matrushri</b> Jamnabai Smaraka Granthamala |                                     |

Post-Graduate Teaching :

As a part of the scheme of Co-ordination of the teaching of 14 Shastras at the M. A. level in Sanskrit, some members are associated with teaching in the Faculty of Arts.

### I. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of Person(s)	Title	Name of the Journal wherein published with date of publication
1.	Vyas R.T.	Markandeya Maya and the Infinite	Journal of the Oriental Institute, Vol. XL, Nos. 3-4, March-June 1991, issued in April 1993.
		Similes, Metaphors and Alliterations in the Brihadaranyaka Upanishad	Sharadapeetha Pradeepa, Nos. 22, 23, Aug. 92-Feb. 93 issued in Dec. '93 Pubd. by the Institute of Indology, Dwarka.
		Epistemology in the Vishnupurana and Markandeya Purana	Journal of the Oriental Institute Vol. XLI, Nos. 3-4, March-June, 1992, issued in March, 1994.
2.	Joshi P.H.	Peculiar Illustrated Scrolls in the Oriental Institute.	'Souvenir' Pubd. at the occasion of the International Seminar on Valmiki Ramayana : Higher Criticism by the Oriental Institute 25-27 January, 1994.
		Select Contents of Oriental Journals	Journal of the Oriental Institute Vol. 40, Nos. 3-4, issued in April 1993.

3. S.Y. Wakankar      Laksmana Bhatta Patil : A Little-known Scholar from Wai  
Sanskrit Sahityatilakalal aghu kavya-Eka Sarvekshana (Marathi)
- Journal of the Ganganatha Jha Kendriya Sanskrit Vidyapeetha, Allahabad, Vol. XLIV, Pts. 1-4, issued in 1993.  
Vidarbha Samshodhana Mandal Varshik, 92, Nagpur, issued in 93.
4. Joshi D.S.      Gitanjali Ane Jivan  
Srimant Sayajirao Gaekwad (Trija)ni Grantha Prakashan Pravrtti  
Binampradayikata  
Chenirmayum Jivana Jananum Ucca ko Sadhanartha  
Tyagabhavana  
Ramayanu Arthaghatano (A translation of Dr. Umashankar Joshi's Speech)  
Nihsvarthata
- Jalaramadeepa, Vol. 10, No. 10, April, 1993.  
Uttara, issued in May '93  
Pustakalaya, Vol. 68, No. 4, July, 1993.  
Acamana, Vol. No. 1, Aug. '93.  
Adhyatma Vol. 15, No. 3, issued in Dec. 1993.  
Souvenir, pubd. at the occasion of an International Seminar on Valmiki Ramayana : Higher Criticism issued by the Oriental Institute on 25-1-94.  
Adhyatma, Vol. 15 Nos. 6 issued in March, 1994.
5. Brahmachari U.M.      Contribution of Visvamitra in the III Mandal of Rgveda
- The summary of this paper pubd. in Bhandarkar Oriental Research Institute, Poona, Amrtamahotsava Vol. 36 Session, issued in June, 1993.
6. Wadekar M.L.      Description of Rama's life in the Vishnu-purana : Some Observations  
The Unnoticed Devala-exposition of Comets  
Methodology and Principles of the Critical Edition of the Valmiki Ramayana
- Adyar Library Bulletin Vol. 57, issued in March, 1994.  
Ganganatha Jha Kendriya Sanskrit Vidyapeeth, Vol. X, XLIV, Pts. 1-4, issued in Sept. 1993.  
Souvenir pubd. at the occasion of the International Seminar on Valmiki Ramayana Higher Criticism Jan. 25-27, 1994.

## II. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCE ETC.

Sr. No.	Name(s) of the Person(s)	Theme , organizers' Name, Place, Date of Seminar/Conference etc.	Title of the Paper	Capacity in which participated
1.	Vyas R.T.	National Seminar on Puranas, Organised by Gujarat State Universities and College Teachers' Association, Ahmedabad, At Thithal, Dist, Surat 16-18 April, 1993.	Morphology of knowledge in Puranas	Member

	Natioal Seminar on "Visnu Purana and Markandeya Purana, organised by the Oriental Institute, Baroda, 29-31 July 1993.	Epistemology in the Visnu Purana and Markandeya Purana	Director
	International Seminar on "Valmiki Ramayana: Higher Criticism" organised by the oriental Institute, Baroda, 25-27 January, 1994.	Rama : The First Sage Sovereign	Director
	Statre Level Conference of Gujarat State Universities and College Sanskrit Teachers' Association, Ahmedabad, held at Ambaji, 31st March 1-2, April 1994.	The Formed and Formless Nature of Brahman in the Chhandogya and Brihadaranyaka Upanisad	Member
2.	Wakankar S.Y. All India Oriental Conference 36th Session, Pune May 1993	Contribution of Maharashtra to Sanskrit Literature: A study of Rare Manuscripts	Delegate
3.	Joshi D.S. Seminar of Purana sastra organised by the Gujarat State Universities and College Sanskrit Teachers' Association, Ahmedabad, held at Tithal 16-18 April 1993.	Giradharakrita Ramayanama Puranono Prabhava	Delegate
	National Seminar on the visnupura and the Markandeya Purana organised by the Oriental Institute, Baroda 29-31 July, 1993.	Some Customs and Beliefs in the Visnupurana	Delegate
4.	Wadekar M.L. Seminar Puranasa stra organised by the Gujarat State Universities and College Sanskrit Teachers' Association, held at Tithal, 16-18 April 1993	Yogavidya in the Visnupurana	Delegate
	All India Oriental Conference organised by Bhandarkar Oriental Research Institute, Pune held at Pune 28-30 May, 1993.	Nilambarahcarya's little -known Commenatary on the Devimahatmya	Delegate
	National Seminar on Visnupurana and Markandeya Purana organised by the Oriental Institute Baroda held at Baroda 28-31 July 1993	The little known text of the Uttara-Markandeya Purana	Delegate
	National Seminar on Distinctive Features of different Sastras, organised by Deptt. of Sanskrit, Pali & Prakrit, Faculty of Arts, Baroda, 18-20 March, 1994	Distinctive Fea-Delegates of the Brahmapurana	Delegate

### III. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of the (Person(s))	Programme Place & Date (s)	Capacity in which participated
1.	Wakanakar Y. S.	National Seminar on Visnu Purana and Markandeya Purana Oriental Institute, Baroda, 29-31 July 1993	Participant
		International Seminar on Valmiki Ramayana: Higher Criticism, Oriental Institute, Baroda, 25-27 January 1994	Participant
2.	U.M. Brahmachari	National Seminar on Vishnu Purana and Markandeya Purana Oriental Institute, Baroda, 29-31 July 1993	Participant
		International Seminar on Valmiki Ramayana: Higher Criticism, Oriental Institute Baroda 25-27 January, 1994	Participant
		National Seminar of Distinctive Features of different Sastras' Deptt. of Sanskrit Praktit & Pali, Faculty of Arts, Baroda, 18-20 March 1994.	Participant
3.	Wadekar M.L.	Essay-Competition, organised by Marathi Vangmaya Parishad Vadodara, 53rd Annual Conference 9th March 1994	Examiner

### IV. STATE/NATIONAL/INTERNATIONAL AWARDS AND DISTINCTIONS :

Teachers

Sr. No.	Name of the Recipient Teacher	Name of the Deptt.	Description of the Award
	Vyas R.T.	Appointed as member of Shri Kanchi Kamakoti Peetha Shri Shankaracharya Mahaswami Centenary Celebrations' Committee (May 1993). Commissioner of Higher Education, Gujarat State, Gandhinagar	
		Appointed as an expert in Sanskrit for the 'National Eligibility Test. (NET) (January 1994) University Grants Commission Govt. of India, New Delhi	

### V. DISTINGUISHED VISITORS:

Sr. No.	Name	Designation	Date of visit	Remarks Purpose of visit
1.	Shri Vasant Sathe	Chairman Council of Cultural Affairs, New Delhi	4-9-93	

2.	Dr. Klaus Fischer	Prof. of Maharshi's Vedic Sci. & Tech. Maharshi VEDIK Univ. Netherlands	13-10-93
3.	HH Maharaja Dr. Vibhuti Narain Singh	Maharaja, Benares	25-1-94
4.	Dr.Col. Raghbir Singh Gohil of Rajpipala	Consul General for Barbados	26-1-94
5.	Dr. Richter Egbert	Writer & Editor Germany	21-2-94

#### MANUSCRIPTS SECTION:

This Section had a collection of 27,249 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsha and other Indian languages including a few in Persian and Arabic. To these 11 manuscripts were added during the year. Thus, the total number of manuscripts stands at 27, 260.

During the year, 1 MS. was lent out, 50 MSS. were issued in the premises, 27 MSS. were issued to staff members and zerox copies of 31 MSS. were supplied to other Institutes and scholars for research purposes.

#### PRINTED BOOKS SECTION

The Institute has a well equipped Library having a collection of 45, 692 books.

This year the Library has spent Rs. 22, 195-40 towards the purchase of books.

This Includes.

- (i) 20,000=00 from Revenue Grant
- (ii) 3,000=00 for Vishnupurana Project from Revenue Grant.

Noteworthy Titles :

1. BHISMA'S Vol. II to XI : by S.D. Kulkarni
2. Religious Rites, Ceremonies and Customs of the whole World, Vol. I & II by W. Hurd.
3. Knowledge freedom and Language: by D.P. Chattopadhyaya
4. Reason and Tradition in Indian Thought: by S.N. Mohanty
5. देववाणी सुवास Vol.I & II : by Rejendrakumar Mishra

## Collections of Books and Journals :

	Books including bound Periodicals	Total value
Total number of Volumes of the year	45,225	Rs. 7,09,577-65
Number added during the year (including purchase, gift and exchange)	467	22,195-40
Total	45,692	7,31,773.05

## Journals :

The number of Journals received is nearly 180 by way of exchange and by way of gift. The Institute could subscribe for only one Journal 'Marg'

## PUBLICATIONS:

## a. Volumes published by Institute :

No.	Name of the Journal	Name of the Editor/s	Period of publication
1.	Journal of the Oriental Institute (in English)	R.T.Vyas	Quarterly (Sept. Dec. March & June)
2.	Svadhya (in Gujarati)	R.T. Vyas	Quarterly (Dipotsavai, Vasantpanchami, Akshaya Trutiya and Janamashtami)

In the year under report Nos. 3-4 of Vol. XL and Nos. 1-2 of Vol. XLI of the Journal of the Oriental Institute were published and Nos. 1-2 Vol. XXVIII and Nos. 3-4 of Vol. XXVIII of the Svadhya were published.

## b. Gaekwad's Oriental Series :

The following work was reprinted :

- 1) Vishnudharmottarapurana Vol. I (G.O. S.No. 130)

The Institute utilized the University grant of Rs. 1,48,618-35 for publication and reprinting of the Gaekwad's Oriental Series works.

## c. The following G.O. S. works are under print.

- |   |                                 |
|---|---------------------------------|
| 1. Pada Index of Critical Edition<br>of Valmiki Ramayana Vol. II      | Ed. by Dr. R.T.Vyas             |
| 2. Futuhat-i-Alamgiri (Persian Text<br>and Eng. Translation)          | Ed. by Raghbir Sinhasi          |
| 3. Vishvamitrimahatmya  | Ed. by J.P. Thaker              |
| 4. Waquit-i-Holkar  | Ed. by Raghbir Sinhasi          |
| 5. An Alphabetical List of MSS. in<br>the Oriental Institute Vol. III | Ed. by P.H. Joshi & B.P. Pandya |

- |  |                               |
|--|-------------------------------|
| 6. Kalandika Prakasha                        | Ed. by Babulal Shukla Shastri |
| 7. Gujarat Under the Maitrakas<br>of Valabhi | Ed. by H.G. Shastri           |

#### TRANSLATION BRANCH

Under this branch books written in Gujarati for the benefit of juveniles, adults, rural population and women are published in five series.

The following books are under print.

- |  |                                   |
|--|-----------------------------------|
| 1. પ્રાણવહસ્તોના રોગો : શ્વાસ અને હ્રમ | — by Vaidya Manibhai Brahmabhatta |
| 2. આયુર્વેદ પ્રવેશિકા                  | — -do-                            |
| 3. વડોદરાના મંદિરો                     | — by Manjula Oza                  |
| 4. સંત એકનાથ                           | — by Yashvant Musale              |
| 5. ગ્રામનિર્માણ                        | — by Arvind Pandya                |
| 6. સદાચારનો ચમત્કાર                    | — by Shankarbhai S. Tadvi         |
| 7. ભવાઈ : સ્વરૂપ અને લક્ષણો            | — by Krishnakant Kadakia          |
| 8. મહાપ્રભુ ઉપેન્દ્રાચાર્યજી           | — by Lovkumar Desai               |

#### CRITICAL EDITIONS' WING

1. The work of collecting original MSS. (their zerox or microfilm copies) of the Markandeya Purana and the Devimahatmya from several Institutes and Libraries is in progress. There is good response from them in this respect. During the year under report, the authorities of the Bhandrakar Oriental Research Institute were kind enough to lend us two MSS. of the Markandeya Purana and four MSS. of the Devimahatmya. The xerox-copies of one ms. of the MKP. and one that of DM in Sarada script were also received from Ranvir Sanskrit Anusandhana Pustakalaya, Jammu & Kashmir. One ms. of the Devimahatmya from Padeshastri Collection of mss. was also obtained.
2. Dr.M.L. Wadekar was deputed to Calcutta for procuring the mss. of the Markandeya Purana . The authorities of the Calcutta Sanskrit College Library were kind enough to supply the xerox-copies of three mss. of the Markandeya Purana , available at their Library.
3. The collation-work of six mss. of the MKP. and four mss. of the DM. was completed, while it is in progress in respect of seven mss. of the MKP . and three mss. of the DM.
4. The checking of the Collation-work of one ms. of the MKP and one of the DM was completed.
5. The job of preparing the final tressing of 120 pages of the Critical Edition of the Visnupurana was completed by the Shabda Publications. The said tressing pages from 81 to 201 were sent to the University Press for printing.

**High-Lights of the Year :**

1. The year 1993-94 was celebrated by the Oriental Institute as the Centenary year. During the course of the centenary year the Institute organised two Seminars, one National Seminar on Visnupurana and Markandeya Purana held in July 1993. The Seminar was attended by Indian scholars working in the field of Puranas.
2. The International Seminar on Valmiki Ramayana: Higher Criticism was held in January, 1994. It was attended by Indian as well as foreign scholars.

It was in the fitness of things that the Oriental Institute which has successfully executed the Critical Edition of the Valmiki Ramayana and which has undertaken the work of the Critical Edition of two Puranas—organised these two Seminars to mark the centenary year.

3. During the centenary year, the Institute was shifted from its premises near the Railway Station that is the ground floor of the Hansa Mehta Library to the new premises, on the first floor of the M.S. University Press Building, Opp. Laxmi Vilas Palace, in the city area.
4. During the year the Institute received a Computer costing Rs. 2,67,000/- as a gift from the Jalaram Trust, Vadodara, which will be very useful for preservation of important manuscripts.
5. During the year three special publications were brought out by the Institute :
  - (i) The Centenary Issue of the Journal of the Oriental Institute containing research papers read at the National Seminar on Puranas held in July, 1993.
  - (ii) The Centenary Issue of the Svadhyaya
  - (iii) Souvenir at the time of the International Seminar on the Valmiki Ramayana : Higher Criticism held in Jan. 94.

## Centre for Continuing/Adult Education Community Services

### I. (A) PUBLISHED BOOKS (B) MONOGRAPHS :

Sr. No.	Name of Author(s)	Title of Book/Monograph/ Mimeographed Report	Name of Publisher and Date of Publication
	Raina B.L.	<i>Education and Development</i>	Indian Publications.

### II. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name(s) of person(s)	Title	Name of Journal where in published and Date of Publication
	Raina B.L.	Curriculum Development & Continuing Education	"Prasar" Quarterly Journal of Department of Adult and Continuing Education. University of Rajasthan. Jaipur '93 April.

### III. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS/CONFERENCES ETC.

Sr. No.	Name(s) of Person(s)	Theme/Organizer's Name Place, Dates of Seminar/Conference etc	Title of Paper
1.	Inamdar J.A.	International Association for Educators - World Peace Conference organised at Aasthan (Bardoli) on 10th and 11th December, '93.	Total Literacy for World peace
2.	Balakrishnan M.	COMBIME Programme, Department of Educational Administration, Faculty of Education & Psychology, M. S. University of Baroda.	Literacy and Education as tools for Empowering Women for leadership.
3.	Raina B.L.	Distance Education an Emerging Senerio.  Department of Correspondence Education, University of Jammu.	Distance Education Senerio in India.

### IV. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS :

Sr. No.	Name of Person(s)	University/Institution and Date	Title of Lecture
	Inamdar J.A.	Baroda Citizens Council Training Programme for Municipal Social Workers at Bharuch on 25.9.93.	Adult Education for Slum Women.
		Baroda Citizens Council Training Programme for Municipal Social Workers at Anand on 10.10.93.	Adult Education and Development

Field Publicity Office, Govt. of India and N.C.C.  
Vallabh Vidyanagar special Camping programme at  
Vadatal (Nadiad) on 10.1.94.

Role of Youth for National  
Integration and Communal  
Harmony.

Baroda Citizens Council Training Programmes for  
Municipal Social Workers at Kalol (Mehsana) on  
10.2.94.

Role of social worker in the  
effective implimentation of  
adult literacy programme.

V. PARTICIPATION IN PROFESSIONAL PROGRAMMES, WORKSHOPS, SUMMER SCHOOLS, ETC.

Sr. No.	Name of Person	Programme, Place and Date (s)	Capacity in which participated
1.	Inamdar J.A.	Workshop for Directors/Asstt. Directors organised at Gujarat Vidyapith in collaboration with Britis Council from 3rd to 7th August '93.	Trainee
2.	Balakrishnan M.	Training programme for Adult Education Project Officers organised by Department of Adult & Continuing Education, University of Rajasthan, UGC sponsored, Jaipur (4th Nov. to 10th Nov. '93.)	Wrote the report of the entire proceedings of the Training Programme Ref. Dr. A.C. Jain, Director Dr. Asha Dixit, Asstt. Director.
		Orientation Programme for Academic Counsellors of Diploma in Nutrition and Health Education organised by Regional Centre, Delhi, 17th & 18th Feb. '94.	Appointed as DNHE Counsellor at IGNOU Study Centre from 28.3.94 till Dec. '94. vide order No. RSD/one/902/D/93 dated 28.3.94.
		3 week Refresher course in Adult Education, Continuing Education, Population, Education and Extension work, 21.3.94. to 12.4.94 organised by Gujarat Vidyapeeth, Ahmedabad, sponsored by UGC.	Wrote the English Version of the report to be sent to UGC of the 3 week Refresher course. Ref. : Prof. Ramlal Parikh, Dr. (Prof.) Director Ila-ben, Naik, Dr. (Read) Asst. Direc. Ms. Sandhyaben Thaker.
		Organised a Shaksharta Rally of 5 Municipal Corporations Schools in Padra (Total No. of Students Participating 5000) on 8th Sept. '93. at Raipura and at Bhayali.	Organiser of the Rally was Prerak of JSN. Padra CAE, M.S.U.
3.	Raina B.L.	II Workshop on Canadian Studies December 27, '93 to January 22, '94. Sponsored by The Indian Association for Canadian Studies & The Centre for Canadian Studies, M. S. University of Baroda.	Participant

## ANNEXURE - I

No. of students enrolled in short Term Courses-1993-94 :

Sr.No.	Name of the Course	Men Students	Women Students	Total No. of Students
1.	Automobile Engineering (Car, Scooter, Moped Repair)	99	-	99
2.	Radio, T.V., V.C.R. and Tape Recorder repair and maintenance	53	-	53
3.	Refrigeration and Air-conditioning	21	-	21
4.	Computerized Accounting	73	41	114
5.	Computer Management Accounting	11	08	19
6.	Personal Beauty Care	-	19	19
7.	Dress Making	-	36	36
8.	Dress Designing	-	60	60
9.	Soft Toys Making	02	19	21
10.	Interior Decoration	13	49	62
11.	Screen Printing	06	02	08
12.	Drawing and Painting for Beginners	09	14	23
13.	Holistic Healing	26	36	62
14.	Yoga for Better Living	65	25	90
15.	'BASIC'	35	20	55
16.	'COBOL'	07	02	09
17.	D'Base, Wordstar, Lotus 1-2-3	45	30	75
18.	UNIX & 'C'	23	04	27
19.	Personality Development	02	09	11
20.	Materials Management	02	13	15
21.	Public Speaking	03	10	13
22.	Spoken English	03	09	12
23.	Income Tax, Sales Tax & Central Excise	06	22	28
		515	436	951

## ANNEXURE-II

The Centre for Continuing/Adult Education and community Services runs the Adult Education and Total Literacy Campaigns through the following Jan Shikshan Nilayams established at the locations indicated :

From 1.4.1993 to 31.3.1994 the following JSNs were supervised :

- (1) JSN at Raipura Village (Padra Taluka)
- (2) JSN at Padra Town

The following 3 JSNs were started in August, 1993.

- (1) JSN at Bhaili Village (Dist. Baroda)
- (2) JSN at Shankernagar Slums, Pratapgunj, Baroda.
- (3) JSN at Modikhana Slums, Fatehgunj, Baroda.

In February 1994, the following five Centres were stabilized :

- (1) Raipura Village (Padra Taluka)
- (2) Padra (Town) Rabari Vas Slum Community.
- (3) Bhaili Village (Vadodara district)
- (4) Shankernagar Slums at Pratapgunj, Vadodara.
- (5) Ganesh Nagar Slums at Pratapgunj, vadodara.

Training Programme was conducted for new PRERAKs 28th to 30th December, '93 at M.K. Amin Arts and Science College & College of Commerce at Padra.

The Following activities were conducted at the various JSNs.

- \* Library for Neoliterates
- \* Discussion clubs.
- \* Games and Recreational activities.
  - \*\* Volley Ball
  - \*\* Singing Devotional songs
  - \*\* Rope Skipping Competitions for children.
- \* Saksharta Abhiyan – Rally of 5,000 School children of Padra Municipal Schools was organised by the Prerak of JSN, Padra. The Prerak of JSN Raipura organised a poster display at the school.
- \* Population and Health talks were organised.

The following important days were celebrated at these Centres.

Jan. 26 – Republic Day

Feb.15 – Self Defence Day

Mar. 8 – International Women's Day

Apr. 7 – World Health Day

Aug.15 – Independence Day

Sept. 8 – International Literacy Day

Oct. 2 – Gandhi Jayanti.

## All India and Central Services Training Centre

### Civil Services Main Examination :

13 students cleared the Preliminary Examination of June 1993. For them Main Examination was held in November-December 1993. The Centre trained them for Examination from August 1993 to October 1993. One of the trainees passed the examination.

### Civil Services Preliminary Examination :

For the year 1993-94 training for the fresh batch commenced from September, 1993 and 46 trainees were given training for Preliminary Examination for June, 1994. Out of 46 trainees, 25 appeared for the Preliminary Examination. Out of them 13 candidates qualified for the I.A.S. Main Examination, which will be held in December 1994 and January 1995. They are receiving training for their final examination.

## Computer Centre

The report year 1993-94 marked completion of four years of functioning for the new multiuser, multitasking computer system at Computer Centre. The Computer system has been smoothly working without any major breakdown and recorded the use of 2740 hours during the year averaging to 10 hours/day.

In line with the revised staff structure recommended by UGC and adopted by the syndicate the trainee staff of programmers and operator were appointed at the Centre. However as there is high turnaround of computer persons some of them left midway.

The Gujarat Government extended their partial concurrence to the staff structure provided by UGC upto 1995. It is indeed regrettable that they have not concurred the senior most positions of Director, Computer Centre and Sr. System Analyst. The efforts are continued to convince Gujarat Government to sanction the remaining posts in staff structure of UGC for the Computer Centre.

The staff members during the year 1993-94 were Hon. Director, System Analyst-2, Computer Operators-2, Trainee Operators-2, (Tennure for one year) and Data Entry Operators-3 (2 temporary), Trainee Programmer-one, Head Clerk-1, Sr. Clerk-1, and Clerk Typist-1.

Most of the administrative work of pay-roll provident fund and examination data processing which are computerized and now streamlined are going on smoothly including recently completed work of degree certificates printing. The PF system has cleared up the backlog and it is expected that from next year the PF slips will be issued to the employees immediately at the end of a financial year.

During the year of report a committee was appointed under the chairmanship of PVC by the Vice-Chancellor to recommend the rates for the use of computer system at the centre. Accordingly the committee suggested appropriate rate to be charged for the use of computer system and the same was approved by the syndicate in its meeting of 31st March, 1994.

## Health Centre

The Services offered at the Health Centre included preventive, curative and consultative type. The facilities of observation beds for short stay, dispensing of medicines inclusive of higher antibiotics, anti-anginal and anti-hypertensives, I.V. Therapy, Infra-red therapy, oxygen inhalation, Preliminary-Physio therapy and domiciliary services like bed-pan, back rest, blood-sample collection and home-visits for ill patients were continued. The specialists' services in the field of Gynecology, Ophthalmology and ENT received encouraging response.

At the counselling Centre "MARG" the services included expert advice and guidance from Psychologists, Psychiatrist and social workers. The services covered the carrier guidance, stress-management, drug-abuse, social and behavioural problems and Hypnotherapy etc. The Health education aspects covered the posters-display, Video-demonstrations during O.P.D. hours, and training programme for counsellors.

The Laboratory services included screening of Diabetes-mellitus Renal function Tests, Liver function Tests, Widal Test, screening for HIV cases over and above other routine laboratory investigations. The total investigations were 6866 which included 1286 Bio-chemical tests.

The immunisation services included prevention of Diseases like Diphtheria, Poliomyelitis, Whooping cough, Measles' etc.

During the year 111 children were vaccinated with different Vaccines. The facility for M.M.R. (Mass Miniature Radiography) was also available to the students and staff members.

During the year several meetings were held to review the services at the health Centre and some fruitful decisions were taken which included modification of medical examination of the University students, discontinuation of medical examination fees and medicines charges at the Health Centre, introduction of one-time "Medical Services and Development charges" at the time of First-admission in the University, expanding the span of specialists' consultation services in the field of Orthopedics, Dermatology and Physiotherapy etc; the creation of "Medical Services and Development Fund" for meeting various recurring and non-recurring expenditure at the Health Centre, revision of remuneration to the Hon. Consultants and counselors etc.

During the year under review 78, new appointees were subjected to Pre-employment medical check up which included 43 teaching and 35 Non-teaching employees.

In 1993-94, the expenditure on purchase of medicines was Rs. 3,47,565.15, the reimbursement including special allowance for T.B., Cancer etc. was Rs. 4,51,855.97 and the purchase of Laboratory Chemicals was Rs. 3,924.77 at the Health Centre.

The total attendance of patients at the Health Centre was 36340 employees with their family members and 10025 students. The average daily attendance was 155.

The consultation Services were available for twice weekly in Gynecology, once weekly each in the field of Ophthalmology and ENT. The efforts are on to start such services in the Dermatology, Orthopedics and Physiotherapy etc.

## General Education Centre

During the year 1993-94 the Auditorium, Retreat, Class-rooms & Exhibition cellar were profitably utilised for conducting Cultural, Academic & Social Activities by differents start of the society including the University Departments, Faculties & Students. Attempts have been made to develop the Auditorium with much needed facilities & equipments so that the same can cater to the needs for different types of activities.

Video cassette Recorder is newly purchased at a cost of Rs. 17,500/- during the year. During the year as many as 189 programmes were held. Among them there were 133 cultural programmes, 33 meetings and 23 Seminars, Conferneces & Symposium etc. The ancillary facilities of Exhibition cellar, Retreat & Canteen were made use of for 46 different parties who had booked the Auditorium. Presetigious national & international conferences, Seminar, Symposia & Cultural programme were held in the Auditorium. The organisers also profitably used the Exhibition cellar to display literatures, books & products alongwith technical details.

The General Education Centre also made arrangements for conducting open recruitment examinations by various coporate Agencies such as Railway, Bank and Telecom Dept. facilities were also provided for conducting part-time evening classes to Indira Gandhi Open university & Degree course of Faculty of Journalism and Communication & Sales Unit of Publications Dept. and Company Secretaries course of India organised by Baroda chapter of WIRC.

In the current year the department earned a total revenue of Rs. 1,93315.00.

### Publication Sales Unit

The University Publications Sales Unit works towards the Sales of Books, Examination paper sets, Hand-books & Service-book etc.

The University Publication Sales Unit has been shifted from University Press premises to General Education Centre from 15.5.93.

In order to give better facility to students from this year the unit started a New System to give old Uniersity Examination question papers by xeroxing immediatly.

In this year the unit has taken part in the exhibition held in the month of October 1993 in the Faculty of Arts and also displayed our books in the World Book Fair by Association of the Indian Universities in the month of Feb. '94 at New Delhi. We had deputed Shri S.P. Deshpande of this unit to visit the World Book Fair at New Delhi.

The total receipt frpm Sales of Publications and Miscellaneous receipt is Rs. 116556-95 for the year 1993-94.

## University Information and Guidance Bureau

Statistical information on activities of the University Employment Bureau, Baroda.

From April 1993 to March 1994.

Sr. No.	Description of Activity	Male	Female	Total
1.	Registration of unemployed candidates	834	330	1164
2.	Vacancy notified	302	—	302
3.	Submission (Action taken on vacancy)	2238	680	2918
4.	Placement (No. of job seekers who obtained jobs)	344	6	350
5.	Live Register (No. of job seekers remaining on live register on 31st March)	1855	1131	2986

## Shrimati Hansa Mehta Library

### ORDER SECTION :

During the financial year 1993-94 books were purchased from U.G.C. Recurring and Non-recurring grants of Faculties/Departments of the University for Development and Research Schemes and Special Assistance Programmes.

There have been some noteworthy additions during the year namely

1. Ulrich's International Periodicals directory 1993-94, 32nd ed.
2. Encyclopaedia of World Religions, by G.T. Bettary.
3. Parliament of India : The Ninth Lok Sabha 1989-1991.
4. Encyclopaedia of Information and Library Science, Vol. 1 to 10, I. Corea and others.
5. Introduction to Reference Work; Basic information sources, 6th ed. Vol. I & II by W.A. Katz.
6. The International Who's Who 1993-94.
7. The Guineas Book of World Records 1993-94 by P. Mathews.
8. The New Shorter Oxford English Dictionary : On Historical Principles, ed. by Brown.
9. The Encyclopaedia of Antiques, by D. Battie.
10. Encyclopaedic Dictionary of Environmental Pollution, Vol. 1 to 5 ed. by V. Pandey.
11. The Encyclopaedia of the Solid Earth Sciences, ed. by P. Keary.
12. Commonwealth Universities Year Book 1993, Vol. 1 to 4 ed. by E.A. Archer.
13. The Macmillan Concise Encyclopaedia.

The Number of acquisitions by various institutions of the University is as follows :

1.	Smt. Hansa Mehta Library.	3081
2.	Centre for Advanced Study of Education	254
3.	Faculty of Fine Arts.	49
4.	M.K. Amin Arts & Science College and College of Commerce, Padra	242
5.	Faculty of Management Studies.	299
6.	National Social Science Information Centre.	4
7.	Oriental Institute	467
8.	Faculty of Performing Arts	85
9.	Polytechnic	485
10.	Faculty of Social Work	83
11.	Sanskrit Mahavidyalaya	68
12.	Faculty of Technology and Engineering	676
13.	Water Resoruces and Management Institute	24
Total :		5817

Above total includes 899 books, received as gifts from different individuals and institutions.

Statement of the book stock of Smt. Hansa Mehta Library during the year.

	Books	Bound Volume of Periodicals	Manu- scripts	Maps Charts etc.	Total in (Rs.)
1. No. at the beginning of the year	374327	67108	263	1200	3,57,75,877.29
2. No. added during the year.	3081	1263	-	-	53,58,088.46
3. No. withdrawn during the year.	-	-	-	-	-
4. No. remaining at the end of the year.	377408	68371	*263	1200	4,11,33,965.75

\*These manuscripts are lying with the Oriental Institute.

#### PERIODICALS

The total number of Periodicals and Scholarly journals subscribed to was 452 and 1263 volumes of bound periodicals were added to the stock. Approximately 53 valuable journals were received as gifts from different individuals and institutions.

#### CATALOGUE SECTION :

1. Books catalogued and classified during the year 1993-94	
I. New accession to University Library	3044
II. New accession to Faculty Library	2773
	Total : 5817
2. Bound Journals	
Catalogued and classified	1263
3. Catalogue cards typed & written for	
I. University Library and Faculty Library	8371
II. Cards filed in Public and Union Catalogue.	3445
4. Dissertation catalogue cards typed for Reference Section	624
5. Guide-cards for stack typed	80
6. B.K.T. Card Catalogue xeroxed and converted into book form	Vol. I & II

#### CIRCULATION SECTION :

The Examinations in various Faculties were held from April to July, and Smt. Hansa Mehta Library remained open as under.

1st April to 15th July '93	8.00 a.m. to 10.00 p.m.
16th July to 31 August '93	8.00 a.m. to 5.40 p.m.
1st September to March '94	8.00 a.m. to 10.00 p.m. (including all Sundays & Holidays)

The number of readers registered in the various categories were as follows :

1. Graduates & Post graduate students	8899
2. Under-graduate students	5801
3. Research Scholars, Res. Asstts. and Ph.D. Students	172
4. University Teachers	781
5. Others	<u>637</u>
Total	<u><u>16290</u></u>

The statistics of the use of the Library are as under :

1. Daily average number of readers visiting the library	4776
2. Average No. of books issued per day for Home Reading	265
3. Average No. of books referred per day from stack	630

#### INTER LIBRARY LOAN

This Library borrowed 18 books from different Universities and institutions on Inter-Library Loan for members of teaching staff of our University during this year and 6 books were issued from this Library on Inter-Library Loan to different Universities, Institutions and Societies at their request during the year.

#### REFERENCE SECTION

##### 1. Orientation Programme :

At the beginning of the academic session, the reference section conducted an orientation programme intended to familiarize the new entrants with the working of various sections of the Library and the various practices and procedures followed by the library, as well as the arrangement of books on the shelves. Other technical devices were also explained to them, so that they would be able to make the best use of the library and help themselves in finding out the requisite material.

##### 2. Bibliographical activity :

Bibliographies on the following topics were compiled during the year.

1. Education Research.
2. Terrorism.
3. Pre-school education.
4. Cujarati Language.

##### 3. Theses and Dissertations :

a. No. at the beginning of the year	6880
No. added during the year	715
No. remaining at the end of the year	7595

b. During the year, 1777 readers consulted theses and dissertations.

c. A descriptive list of Ph.D. theses received in the library, from January 1993 to December 1993 was published.

**4. Reference Material :**

During the year, 2273 readers consulted the reference books and reference material.

Reference Service to Readers :

Reference Service has been playing an important role in the academic life of the University. The reference section answered queries of readers personally, by correspondence and on phone. It provided guidance to students and teachers for the better use of the library resources. Library has also provided services to 43 students coming from various Universities and Institutions from all over India.

**5. Pamphlet Collection :**

1. Number at the beginning of the year	16589
2. Number added during the year	250
3. Number withdrawn from the records	780
4. Number remaining at the end of the year	16059

**6. Facilities for the blind students :**

The reference section is also providing audio facilities to the blind students in Smt. Hansa Mehta Library and 29 blind students have taken advantage of this facility during the year.

**7. Curricular Collection**

Average No. of books issued per day from curricular collection is 487. (including examinations papers).

Average No. of students who consulted the library per day is 4776.

**REPROGRAPHIC UNIT**

Approximately 3700 readers took the advantage of xeroxing services from the Library resources and the income earned during the year is Rs. 35,316.50.

The Reprographic Unit also looks after the audio visual services.

**S.S.M.T. LIBRARY (New Library)**

Sir Sayajirao Memorial Trust Library remained open from

April '93 to May '93	8.00 a.m. to 10.00 p.m.
June '93 to 11th September '93	11.00 a.m. to 5.40 p.m.
13th September '93 to October '93	11.00 a.m. to 8.00 p.m.
December '93	11.00 a.m. to 8.00 p.m.
February '94 to March '94.	8.00 a.m. to 10.00 p.m.

The statistics of the use of the Sir Sayajirao Memorial Trust Library are as under :

1. Average No. of Readers visiting Library per day	4500
2. Average No. of books issued from Curricular Section	422

**ACADEMIC NOTES :**

1. Shri K.J. Majmudar I/c. University Librarian attended and participated in 39th All India Library Conference, at Bangalore from 7th to 11th Jan. '94. and read his paper on "Public Library, Finance in Gujarat, an analysis".

2. Smt. Ila M. Maharaja, Asstt. Librarian and Shri K.P. Pandya, Assistant Librarian (ADM) attended and participated the three days seminar on different topics like "Education for all-Role of Public & Academic Libraries, Future of University Libraries" etc. organised by Gujarat Granthalaya Sewasangh at Dharampur from 11th to 13th March '94.
3. Shri K.P. Pandya, Asstt. Librarian (ADM) attended and participated in a three days workshop on 'Impact of information technology on quality & growth of library services', organised by Dept. of Library Science, Gujarat Vidyapeeth at Ahmedabad from 23rd to 25th March '94.
4. Smt. Ila M. Maharaja & Shri K.P. Pandya attended and participated in a two day seminar on 'Role of Libraries in Higher Education' organised by the Librarian, North Gujarat University at Patan on 28th & 29th March '94. Smt. Ila M. Maharaja read the paper on 'Problem of the staff in University Libraries' at the seminar.

#### VISITORS

The following dignitaries have visited this library.

1. Justice V.H. Bhairavia, High Court of Gujarat, on 22nd January '94.
2. John E. Kersell, Prof. of Political Science, University of Waterloo, Waterloo, Canada on 3rd February '94.

## The M.S. University of Baroda Press

### I. STAFF :

During the year the staff of the press consisted of a Press Manager, a Dy. Press Manager, a Head Clerk, a Senior Clerk, and Two Clerks, one Head Proof Reader, one Junior Proof Reader, one Copy Holder and five other technical staff including D.T.P. Operators. There are 43 permanent workers in the Press.

### II. MACHINERY :

The press has machinery worth Rs.37,60,882/- including two heavy duty Xerox machines including DTP System.

### III. PRINTING ACTIVITIES :

During the year 266 printed question papers 174 stencilled question papers and 4952 xerox question papers and other question papers of open test were under taken under conditions of secrecy for the University Examination. Main Answer Books of the University Examinations and Test Answer Books of different Faculties and Institutions were also printed by the press. The Press also Printed Senate Proceedings, Minutes of the Syndicate, details of Establishment, Annual Accounts, Budget Estimates, Questionnaires, Magazines, Pamphlets, Certificates, General Forms, Prospectus, Admission forms, Examination forms, Letter heads, Receipt Books, and different kinds of job works of the different Faculties and Institution of the University. The press has also printed Diary, Calendar of Sardar Patel University & Gujarat University. The University Press works purely as a service department of the University since April, 1967.

The following is the list of books printed by the Press during the year.

	Name of the Book	Publishers
1.	Critical Adition of Vishnupurana I. Vishnudharmottar - Purana 1 P. to 428, vol. I II. Vishnudharmottara - Purana 1 P. to 88, Vol. II	Oriental Institute
2.	Surbharati	Sanskrit Mahavidyalaya
3.	Shwash ane Dam	Oriental Institute
4.	The Talrugle Samat	Oriental Institute
5.	The Fatuhat-i-Alamgiri	Oriental Institute
6.	Gram Nirman	Oriental Institute
7.	Budget Estimate 1994-95	Account Section
9.	MSU Establishment	-do -
10.	Annual Accounts	- do -
11.	44 Annual Report	G.C.U. Section

In addition the press also printed MSU Diary, MSU Calendar, Souvenir and other I publications of different Faculties and departments WHO News Letter, Diary, Calendar of Gujarat University & Sardar Patel University.

**IV. THE FOLLOWING JOURNALS WERE PRINTED DURING THE YEAR :**

1. The Journal of the M. S. University of Baroda. 2. The Journal of Animal Morphology & Physiology. 3. Journal of Oriental Institute 4. Swadhyay 5. PAVO (Half Yearly), 6. Baroda Reporter. 7. Itivrut

**V. UNIVERSITY STATIONERY UNIT :**

This Unit is a service department of the University and is under the supervision and control of the University Press Manager. The Unit purchases and distributes the stationery every quarter to all the Faculties and Institutions and University Office. The Unit consists of a Senior Clerk, Clerk, one Rikshaw Driver cum-stationery distributor, one helper and one Pagi. During the year under report stationery articles worth Rs. 16,43,292-00 were purchased and stationery articles worth Rs. 14,09,341-00 were distributed.

## Activities of Construction Division

During the year 1993-94 the Construction Division was able to carry out various works under the able guidance of the Construction committee which comprised of the following members :

1.	Pro-Vice-Chancellor	:	Chairman
2.	Shri D.K. Patel	:	Member
3.	Shri Surenbhai Chokshi	:	Member
4.	Shri R.H. Patel	:	Member
5.	Shri Karan Grover	:	Member
6.	Shri C.D. Panchal	:	Member
7.	Prof. S.K. Damle	:	Member
8.	Prof. R.C. Desai	:	Member
9.	Shri Nilesh Shukla	:	Member
10.	Shri J.R. Shah	:	Member
11.	Shri J.B. Rajput	:	Member
12.	Shri S.V. Deshpande	:	Member
13.	The Superintending Engineer (R & B)	:	Vadodara Circle, P.W.D.
14.	The Executive Engineer (R & B)	:	Vadodara Division, P.W.D.
15.	University Engineer	:	Member - Secretary

The capital works under taken by the Construction Division are as under :

1. Works of various buildings of the VIIIth Plan. The amount spent is about Rs. 33,75,202.29
  2. The work of Water Management Training Institute, Samiala Sanctioned by Government. The amount spent during the year is about to Rs. 6,07,913.80
  3. Works of other Departments amounting about to Rs. 26,61,004.38 such as UGC Equipment Grants, S.D.J.T. fund, Gardens etc and other funds.
- The expenditure in ordinary Reparis during the year is about Rs. 27,06,976.71  
Special Reparis could not be under taken this year due to non-availability of grants from the State Government.

The following works (buildings) were completed during the year :

1. Seminar Hall on Second floor of Faculty of Commerce. (8th Plan)
2. Extension of first floor of the University Press Building in the Press building Compound for construction of building for Oriental Institute of M. S. University of Baroda. (8th Plan)
3. Ladies Hostel (8th Plan). 1st Phase.
4. Extension of first floor of Science Block, Faculty of Technology & Engineering.
5. Special Assistance Programme to the Department of Human Development and Family Studies in the Faculty of Home Science.
6. Extension to Bank of Baroda Campus Branch.

The following works are in progress :

1. Extension between Lathography and Museology, Faculty of Fine Arts. (8th Plan)
2. Extension to Textile & Clothing Deptt. on first floor, Faculty of Home Science. (8th Plan)
3. Extension and Improvement of Animal House, Deptt. of Zoology, Faculty of Science. (DSA Grant)
4. Elevated Water Storage Tank with sump, pump, lines etc. (8th Plan)

## Halls of Residence

1. During the year 1993-94 3481 students were admitted to the Halls of Residence out of which 234 Male and 1133 Female.
2. Dr. N.L. Singh Reader, Dept. of Physics took over the charge of Chief Warden from Prof. D.M. Shringarpure.
3. A number of students residing in the Halls of Residence have been awarded prizes/certificates of Merit and Scholarships.
4. A number of Activities were organised by different Halls independently, as well as residents actively participated in the programmes organised by the Chief Warden and Team.

The more important among these were :

- i) Shri R.T. Hall organised Annual Day Celebrations. Residents Presented Cultural Programmes. Prof. Deepak De graced the occasion as Chief Guest. Various Senate, Syndicate members distinguished guests honoured the occasion beside the Chief Warden, Wardens & Superintendents.
- ii) A Quiz Competition was conducted in the L.B.S. Hall on the eve of the Annual Sports Competition that is on 26th December, 1993 under the supervision of the Warden, Dr. S. Kumar. The main content of the Quiz Competition were : (i) Indian History, (ii) World history, (iii) Geography, (iv) Science, (v) Current Affairs, (vi) Cinema and Media, (vii) Countries and Currencies, (viii) Books and Authors.
- iii) The N.V. Hall felicitated all its residents who secured 1st Class in the Winter Semester Examination - 1993-94 over a Breakfast in the Hostel. The Chief Warden graced the occasion as Chief Guest and all other wardens were guest of honour. The meritorious students were introduced to the Chief Warden, the Warden Colleagues not only appreciated and encouraged students for their comandable performance, but, also discussed the measures which will help hostelites to achieve academic excellance.
- iv) A Voluntary Blood Donation Camp was organised in Dr. J.M. Hall by Indu Blood Bank on 19th September, 1993. Blood donors were screened for thalassemia.
- v) Halls of Residence organised a drama on "The Coming of the Age of Kali" which was performed by the students of Vaishnav Academy, Florida, U.S.A. on 9th March, 1994 in the Home Science Auditorium.
- vi) Halls of Residence in collaboration with Friends Society organised a Blood Donation Camp in Dr. J.M. Hall on 30.3.1994 with the help of Nagrik Raktadan Samiti and Blood Bank of S.S.G. Hospital.
- vii) A lecture cum discussion was organised in Shri S.J. Hall, Polytechnic Campus on April 11th, 1994 on "Sexually Transmitted Diseases and AIDS. Dr. Y.S. Marfatia, Head Department of Skin and V.D. Medical College Baroda acted as the resource person.
- viii) Smt. Hansa Mehta Hall organised a Welcome Party. Variety of entertainment programmes were arranged including Parodi, skit, fashion show etc. Ms. Ogle, Dean, Faculty of Home Science faculty, was the Chief Guest. Shri S.J. Hall also organised Welcome Party.
- ix) International Women's Day was celebrated in Smt. H.M. Hall, where a number of cultural activities and programmes had been organised.
- x) An Extempore Slogan Competition was organised on 8th March, 1994 by Smt. Hansa Mehta Hall, Smt. Sarojini Devi Hall and Smt. Pandita Gargi Hall. The Slogans were invited in English, Hindi and Gujarati. A large number of girls took part in the competition. In fact 67 girls participated in the competition out of which, 35 were of Smt. Hansa Mehta Hall, 14 were of Smt. S.D. hall and 18 belonged to Smt. Pandita Gargi.

5. (a) Following staff retired/left

- i) Prof. D.M. Shringarpure - Chief Warden - June 1993.
- ii) Ms. Sudhaben Parekh - Superintendent, K.G. Hall - March 1994.
- iii) Shri J.C. Pandya - Sanitary Inspector (left)
- iv) Shri Dahyabhai Chandubhai Solanki, Hall Attendent,, Shri S.J. Hall July - 1993.
- v) Shri Bhailalbai Mahijibhai Patanwadia, Hall Attendent, Shri L.B.S. Hall, July - 1993.
- vi) Shri Ramchandra Ladu Nare, Hall Attendent, Shri M.A. Hall, Feb. - 1994.

(b) Died

- i) Shri Natu Vajesing - Hall Attendent, K.G. Hall
- i) Ms. Elizabeth Zuma - Kenyan Resident of Smt. S.D. Hall

6. Staff of Halls of Residence participated in the following Sports Events.

- (a) Carrom
- (b) Cricket

In both the events they played upto the semi-finals.

## National Service Scheme

During the year 1993-94, 1008 students Volunteers enrolled themselves in NSS. Facultywise details as follows :

Sr. No.	Faculty	Male	Female
1.	Commerce (including Girls college, North Campus etc.)	298	118
2.	Arts	205	173
3.	Home Science	-	45
4.	Medicine	28	12
5.	Science	24	16
6.	Social Work	15	24
7.	Fine Arts	13	07
8.	Polytechnic	15	-
9.	Technology	10	05
<b>Total</b>		<b><u>608</u></b>	<b><u>400</u></b>

### Institutional Visits :

Ten visits to following agencies were organised in which 850 volunteers participated.

1. Government School for Blind Children
2. School for Physically Handicapped Children
3. After Care hostel
4. Home for Mentally Deficient Children
5. State Home for Women
6. Observation Home for Boys
7. Observation Home for Girls
8. Juvenile Home

### Project Activities :

Community Service Project team worked in Sanjaynagar, Nehru Nagar & Jalaram nagar Slums. By involving local youth, three cleanliness campaigns were organised in these areas.

Literacy Project team worked actively in Sanjay Nagar area in all the lanes. Volunteers went there twice a week initially and then on every Sunday.

Environmental Education Project team worked for the cause of generating consciousness on environment protection and conservation. The volunteers celebrated World Environment Day on 5th June 1993 by organising tree plantation programme at S.G. Patel Commerce College for Girls, Government School for Blind Children, Observation Home for Boys & Girls and Slum Pockets.

Anti-Drugs Education Project activities were carried out in Kisanwadi slum pocket. The volunteers conducted series of educational programmes related to drug abuse.

Institutional Service Project team worked in three institutions, i.e. Government School for Blind Children, Mentally reatarded Children and Physically Handicapped Children.

AIDS Awareness Project team consisting of senior volunteers duly trained in AIDS education conducted awarness programme for NSS volunteers and Youth from the community. Such prorammes were organised in which 153 Volunteers were trained.

#### **Special Activities/Programme.**

Rakshabhandhan was celebrated in five correctional agencies i.e. observation Home for Boys, School for Physically Handicapped Children, Home for Mentally Dificient Children, Home for Orphan Children.

On 9th August 1993 Golden Jubilee of Quit India Movements' concluding Day was celebrated by felicitating freedom fighter Mr. Mukundbhai Patel.

A group of 55 NSS volunteers joined the Independence Day Celebration at the University Level.

On 20th August '93 was observed as Sadbhavna Day.

On 5th September '93 Teachers day was celebrated in which 62 volunteers participated.

International Literacy Day was celebrated on 8.9.93 at NSS Campus.

Centerary Celebration of Swami Vivekananda's participation at the World Parliament of Religions was celebrated jointly by NSS, M. S. University of Baroda and Ramakrishna Vivekananda Kendra, baroda on 11th Sept. 1993 at NSS Campus.

2nd October, 1993 Gandhi Jayanti was celebrated in which 132 volunteers participated.

Shri Harivallabbhai Parikh, President, Anand Niketan Ashram, Rangpur, Shri Ramsinh Rathava, M.P., and Shri Anil S. Navale, Programme Coordinator, NSS, MSU, assisted by six NSS volunteers of M.S.U. participated in earthquake relief and rehabilitation programme at Latur during 25.10.93. The programme included distribution of farming equipments, seeds to 200 farmers affected by earthquake.

World AIDS Day was celebrated on 1st December, 1993 in which 65 NSS volunteers participated.

12-19 January 1994 youth week was celebrated.

A group of 35 student volunteers and teacher participated in State Level NSS Silver Jubilee Year Celebration programme on 19-21 January 1994 at Gujarat Agricultural University, Dantiwada.

#### **Special Camping Programme :**

The camp on the theme of youth for National Integration and Environment Protection was organised during 21-30 August, 1993 at Kevadia. During the Camp volunteers undertook plantation, weeding and such activities in the areas of Sardar Sarovar Project. The other activities included to strengthen National Integration. In all 110 volunteers participated in the camp. The camp was organised in collaboration with Antar Bharati.

One Camp on the theme of Youth for National Integration and Literacy was organised from 17.10.93 to 27.10.93 at Moti Sadali. It was a collaborated programme with Literacy Mission Programme of Jilla Panchayat. The volunteers worked in 10 villages for adult education for creating awareness for adult education through various educational programmes. In all 88 volunteers participated in the camp.

## National Cadet Corps

1. During the year 1993-94 total of 475 students (Boys & Girls) of Air, Naval and Army attended camps in the country at various places :

- |     |      |                                  |       |                                    |
|-----|------|----------------------------------|-------|------------------------------------|
| (a) | i)   | All India Basic Leadership Camps | ii)   | All India Advance Leadership Camps |
|     | iii) | Rock Climbing Camp               | iv)   | All India Trekking Expedition      |
|     | v)   | Annual Training camps            | vi)   | Republic Day Camp                  |
|     | vii) | National Integration Camp        | viii) | First Aid Training                 |
|     | ix)  | Signal Training                  | x)    | Army attachment.                   |

- (b) Following cadets have been awarded Chief Minister Scholarship

	Name of the cadets	Year	Faculty	Award
1.	GUJ/SD/91/52038 UO Jadeja Harshpal Singh	1993-94	Faculty of Arts, MSU, Baroda	Rs. 50.00 per month for one year.
2.	GUJ/SD/91/52415 UO Arvinderjit Dadhwal	1993-94	Faculty of Technology & Engineering, MSU	Rs. 50.00 per month for one year.
3.	GUJ/SN/92/593997 L/Cdt Sharma Rajeshkumar	1993-94	Faculty of Commerce MSU, Baroda	Rs. 50.00 per month for one year.
4.	GUJ/SA/92/58477 CWO Bipin Paswan	1993-94	MSU, Baroda	Rs. 50.00 per month for one year.

- (c) Youth Exchange Programme two cadets were selected for Indo-Canada Youth Exchange Programme.

	Name of Cadets	Year	Faculty
1.	GUJ/SW/91/97124 Cdt/Sgt Janice Belsher	1993-94	Faculty of Commerce
2.	GUJ/SW/91/97127 Cdt/Sgt Ashima Jain	1993-94	Faculty of Arts

### YOUTH EXCHANGE PROGRAMME 1994-95

- (d) Following cadets of MS University, Baroda affiliated to 1 Guj Air Sqn NCC, Baroda have been selected for Indo-Canada and UK Youth Exchange programme :

1.	GUJ/SW/92/97121 Cdt/Sgt	Sangeeta Rozaria	Indo-Canada
2.	GUJ/SW/97123 C/VO	Manasi Shah	UK

- (e) 9 Boys and 6 Girls cadets attended the Republic Day Camp 1994 at New Delhi.

- (f) The following cadets were awarded Governor's Medal for the year 1992-93

1.	GUJ/SA/91/58410 Cdt WO	Dharmendra Singh Kokande	
2.	GUJ/SA/91/59337 PO Cdt	Jagdamba Prasad	

- (g) 120 Cadets donated blood during the year.

- (h) 830 Boys and 120 girls Cadets were enrolled from MSU, Baroda during 1993-94.

- (i) Guard of honour was presented to the VIP during Annual Convocation.

## Physical Education Department

### STAFF

Director of Physical Education (Vacant), Five Asstt. Directors of Physical Education (Men), Two Asstt. Directors of physical Education (Women) one post vacant, one Hockey coach, Two coaches posts vacant.

Following are the members of University Board of Sports :

- |                                    |  |
|------------------------------------|--|
| 1. Prof. (Mrs.) Veenaben Mistry    | Pro-Vice-Chancellor, Chairman, Board of Sports.                                    |
| 2. Shri Nilesh Shukla              |  |
| 3. Dr. (Miss) Jayashree P. Mehta   |  |
| 4. Shri C.D. Panchal               |  |
| 5. Shri Cassim Unia                |  |
| 6. Dr. Nikhil Desai                | President, M. S. University Union  |
| 7. Dr. P.S. Shah                   | Chief Medical Officer  |
| 8. Shri J.P. Boricha               | Govt. Nominee  |
| 9. Shri M.R. Vyas                  |  |
| 10. Dr. G.M. Oza                   |  |
| 11. Commandant                     | N.C.C. gr. HQ. Baroda.   |
| 12. Vice-President                 | M. S. University Union   |
| 13. General Secretary              | M.S. University Union  |
| 14. Students Representations (Two) | M.S. University Union Nominated by Executive Committee of Union                    |
| 15. Teacher-incharge               | M.K. Amin Arts & Science College & College of Commerce, Padra (By Invitation)      |
| 16. Student Representative         | Nominated by Principal, Padra College.   |
| 17. Shri K.B. Desai                |  |
| 18. Shri R. Rajagopalan            |  |
| 19. Smt. S.R. Katkar               | I/c. Director of Physical Education and I/c. Secretary University Board of Sports. |

### TRAINING IN PHYSICAL EDUCATION

Training in Physical Education was imparted to 2291 Men students and 1332 Women students from various Faculties and Institutions. In swimming 125 members and staff and students took advantage of the swimming pool including learners and swimmers.

In University Boating club 25 members attended the activity.

### TRAINING AND COACHING IN GAMES AND SPORTS :

Special coaching was provided by the Honorary coaches and Asstt. Director of Physical Education in the following games.

Number given against the game indicates regular attendance in the respective games.

Game	Men	Women	Game	Men	Women
1. Cricket	90	25	2. Hockey	20	-
3. Tennis	135	6	4. Track & Field	10	5
5. Kho Kho	21	16	6. Kabaddi	22	-
7. Volley Ball	25	15	8. Basket Ball	15	15
9. Badminton	25	6	10. Table Tennis	40	6
11. Foot Ball	25	-	12. Hand Ball	25	-
13. Cycling	6	-	14. Wrestling	16	-

#### PARTICIPATION IN TOURNAMENTS AND COMPETITIONS :

##### INTER UNIVERSITY TOURNAMENTS :

Following teams have participated in Inter University tournaments during the year 1993-94.

Sr. No.	Name of the Game	Venue	Sr.No.	Nme of the Game	Venue
1.	Basket Ball (Men)	Bhilwada	2.	Basket Ball (Women)	Mysore
3.	Cricket (Men)	Udaipur	4.	Cricket (Women)	Delhi
5.	Volley Ball (Men)	Udaipur	6.	Volley Ball (Women)	Tirunelveli
7.	Tennis (Men)	Hyderabad	8.	Tennis (Women)	Ajmer
9.	Table Tennis (M & W)	Indore	10.	Badminton M & W)	Nagpur
11.	Judo (M & W)	Jiwaji, Gwalior	12.	Athletics (M & W)	Gandhi, Kottayam
13.	Seimming (M & W)	Trivandrum	14.	Kho-Kho (Men)	M.P.K.V. Rahuri
15.	Foot Ball	Shivaji, Kolhapur	16.	Wrestling	Kurukshetra
17.	Hockey (Men)	jiwaji, Gwalior	18.	Cycling (Men)	Ludhiana
19.	Wt. Lifting & Best Physique	Ranchi	20.	Chess	Pune - Nasik Road
21.	Kabaddi	Shivaji, Kolhapur	22.	Hand Ball	Trivandrum

The performance at the Inter University Tournaments is given below :

1. Cricket (Men) : Reached upto quarter final in West zone Inter University Cricket tournament held at Udaipur.
2. Tennis (Women) : Women Team Participated for the first time and reached upto quarter final in All India Inter University Tennis tournament held at Ajmer.
3. Table Tennis : Women team reached upto quarter final in All India Inter University Table Tennis tournament held at Indore.
4. Badminton : Men team reached upto quarter final in All India Inter University Badminton tournament held at Nagpur.
5. Athletics : Rony Benny of Commerce Faculty reached upto Semi finals in 200 Mts. running in Inter University athletics championship held at M.g. University, Kottayam.

The following Men & Women players of the University represented Gujarat State in National Championships, Inter zonal championships, zonal championships, Junior National championships in various games and sports held at various places.

Sr. No.	Name of Game	Faculty	National	Inter Zonal	West Zone	Jr. National
<b>Kho-Kho</b>						
1.	Khale Bhushan	Polytechnic	-	-	Goa	-
2.	Jhanje Jayesh	Polytechnic	-	-	Goa	-
<b>Basket Ball</b>						
3.	Kum. Seema Singh	H.Sc.	Cochin	-	-	-
4.	Kum. Suvarna Kadam		Cochin	-	-	-
<b>Cricket (Women)</b>						
5.	Kum. Thaker Urvi	Commerce	-	-	Bombay	-
6.	Kum. Deochakke Dipti	Commerce	-	-	Bombay	-
7.	Kum. Shah Chetan	Commerce	-	-	Bombay	-
8.	Kum. Harshe Sangita	Commerce	-	-	Bombay	-
<b>Kabaddi</b>						
9.	Bhatt Shrinath	Commerce				
10.	Surve Vikram	Sanskrit Mahavid.				
11.	Kadam Vijay	Sanskrit Mahavid.				
<b>Hockey (Men)</b>						
12.	Surve Nilesh	Arts	-	-	-	Bareilly Feb. '94.
13.	Davendra Gajendrakar	Edu. & Psy.	-	-	-	Bareilly Feb. '94
<b>Tennis (Women)</b>						
14.	Kum. Acharya Bhavna	Commerce	Hyderabad	-	-	-

The following teams of the University participated in Gujarat State championships in various games & sports.

Game	Venue	Month	Year	Result
Basket Ball	Jamnagar		1993	Lost in Semi Final
Hockey (M)	IPCL, Baroda			Lost in Semin Final
Athletics	Rajkot			
1.	Jitendra Morwani, Commerce			I in shot put, II in Discus throw
2.	Kum. Chirangi Desai, Commerce			I in discus throw
3.	Kum. Nirukama Singh, Arts			II in Discus throw
4.	Kum. Pravina Chauhan, Arts			I in 800 Mts. Running, II in High Jump

## Other State Level Championships.

1. Univ. Kho-Kho Team (Men) participated in Open Gujarat Kho-Kho championship held at Baroda in February 1994.

The following players played for Baroda District in Yuva Ramotsav held at Dhandhuka in March 1994.

- |    |                  |                        |
|----|------------------|------------------------|
| 1. | Vinayak Athavale | Sanskrit Mahavidyalaya |
| 2. | Bhushan Khale    | Polytechnic            |
| 3. | Nilesh Kadam     | Commerce               |

The following teams of the University participated in Baroda District Championships in various games & sports.

Game	Venue	Result
Basket Ball	Baroda	Lost in Semi Final
Hockety (M) League	Baroda	-
Hockety Knockout	Baroda	-
Athletics	Baroda	-

- |    |                               |  |
|----|-------------------------------|--|
| 1. | Rony Benny, Commerce          | I in 100 Mts. and 200 Mts. Running                               |
| 2. | Jitendra Morwani, Commerce    | I in Discus throw and I in Javelin throw                         |
| 3. | Deepak Rajput, Commerce       | I in 400 Mts Hurdles, I in Javelin throw, II in 400 Mts. Running |
| 4. | Kum. Chirangi Desai, Commerce | I in Discuss throw, II in shot put.                              |

## Inter Faculty tournaments :

	Game	Winner	Runners-Up
1.	Basket Ball (Men)	Commerce	Arts
2.	Volley Ball (Men)	Polytechnic	M. K. Amin, Padra
3.	Foot Ball	Commerce	Arts
4.	Cricket (Men)	Arts	Science
5.	Tennis (Men)	Commerce	Science
6.	Table Tennis (Men)	Tec. & Engg.	Science

## Table Tennis Open Tournament (Men)

## Open Singles

- |    |               |            |              |
|----|---------------|------------|--------------|
| 1. | Vyas Jatin    | Winner     | Tech. & Eng. |
| 2. | Joshi Janmant | Runners-Up | Polytechnic  |

## Open Doubles

- |    |                                |            |              |
|----|--------------------------------|------------|--------------|
| 1. | Vyas Jatin & Rach Jagdish      | Winner     | Tech & Engg. |
| 2. | Patel Prashant & Joshi Janmant | Runners Up | Polytechnic  |

## Table Tennis Tournaments (Women)

## Open Singles

- |    |                    |            |          |
|----|--------------------|------------|----------|
| 1. | Kum. Katira Jasmin | Winner     | Commerce |
| 2. | Kum. Vaidya Rupa   | Runners Up | Commerce |

**Badminton - Open Tournament (Men)****Open Singles**

- |    |                  |            |               |
|----|------------------|------------|---------------|
| 1. | Fadnis Sudhanshu | Winner     | Tech. & Engg. |
| 2. | Ummat Bhupesh    | Runners Up | Tech. & Engg. |

**Men Doubles**

- |    |                                     |            |                              |
|----|-------------------------------------|------------|------------------------------|
| 1. | Ptel Manoj &<br>Ummat Bhupesh       | Winner     | Polytechnic<br>Tech. & Engg. |
| 2. | Fadnis Sudhanshu &<br>Kadam Vaibhav | Runners Up | Tech. & Engg.<br>Science     |

**Badminton Open Tournament (Women)**

- |    |                        |            |          |
|----|------------------------|------------|----------|
| 1. | Kum. Chandratra Bhakti | Winner     | Commerce |
| 2. | Kum. Thakkar Kalyani   | Runners Up | Commerce |

**Swimming :** Individual championship in Annual Swimming competition is won by Shri apurva Dave of Fac. of Commerce.

**Athletics :** Individual championship in annual Athletic Meet and cash prize of Rs. 145/- is received by Shri Rajput Deepak J. and Kum. Desai Chirangi both from Faculty of Commerce.

The following University Team participated in other Local Tournaments :

- |    |                   |   |                        |
|----|-------------------|---|------------------------|
| 1. | Foot Ball         | IPCL, Baroda Open cup   | Runner Up              |
| 2. | Basket Ball (Men) | IPCL, Open Tournament   | Lost in Semi Final     |
| 3. | Hockety (Men)     | J. Ida cup Tournament   | Lost in Semi Final     |
| 4. | Cricket (Men)     | H.D. Zaveri League, Tournament  | 'B' team became Winner |
|    |                   | Randle cup Invitation tournament  | -                      |
|    |                   | GSFC Invitation tournament  | -                      |
| 5. | Cricket (Women)   | Open Baroda Cricket tournament for Women conducted by Baroda Dist. sports office. | Winner                 |
| 6. | Kho-Kho (Men)     | -   | -                      |
| 7. | Kho-Kho- (Women)  | -   | -                      |

**High Lights :** Shri Connor Williams of Faculty of Commerce was adjudged as the best All Round Cricketer of the University for the year 1993-94 for Ranji Centenary Award and Cash Prize of Rs. 600.00

The following players played Vizzy Trophy Tournament held at Delhi for West Zone Inter University Team.

- |    |                    |                  |
|----|--------------------|------------------|
| 1. | Mankadia Nimish A. | Law              |
| 2. | Jadhav Himanshu R. | M.K. Amin, Padra |
| 3. | Tondon Ashish R.   | Tech. & Engg.    |

**Achievements of Staff** Shri R. Rajagopalan, Asstt. Director of Phy. Edu. has been appointed as Hon. Secretary of Baroda Dist. Amateurs Athletic Association and Jt. Secretary of Gujarat State Amateur Athletic Association.

Shri R.M. Motebenur, Hockey coach has been appointed Jt. Secretary Baroda Dist. Hockey Association

## Students Common Room

There are three Common Rooms for University students. Two Rooms are on the campus-one for men students and the other for women students. The third room generally known as Non-Resident Students' Centre is near the Faculty of Technology and Engineering. The Women Students' Common Room and the Non-Resident Students' Centre were built with financial assistance from the University Grants Commission and the State Government.

A cafeteria is attached to each of the three Common Rooms. There are facilities for indoor games such as carrom, draught, chess, table tennis etc. and for reading news-papers, periodicals and books, Committee consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for meetings of Student Associations, Socials, Indoor games and tournaments.

## Foreign Students

On account of its cosmopolitan character and English language as a medium of instruction, the M. S. University of Baroda has been attracting students from foreign countries for the last many years. The number of foreign students, however, went on increasing particularly after 1984-85 and there were about 450 students during 1989-90. This number stood at about 250 during the academic year 1992-93 and at about 170 during the academic year 1993-94. Of this number, about 90% of the foreign students - 153 in number - were male students and remaining 10% of them were female students. Again, about 90% of these foreign students were post graduate and research students and remaining 10% were graduate students, most of them taking instructions in the Faculty of Performing Arts. Again 85% of the foreign students are self financing students and remaining 15% of them study on our Campus as Government of India Scholars, selected under various Cultural Exchange Programmes.

These students come from different parts of the World - Nepal, Bangla Desh, Thailand, England, Vietnam, Jordan, Sudan, Ethiopia, Uganda, Nigeria, Somali land, Kenya, Mauritius, New Zealand, Malta etc. About 70% of the total foreign students, in recent years, have come from Kenya Sudan, and Jordan.

These students representing different nationalities organize cultural functions while celebrating important events in their countries such as their day of independence. Our students take active part in their functions and they, in turn are invited to participate in our functions. Different service organisations invite foreign students to give their Cultural Programme while celebrating a Day of International Understanding and Peace. 11th November each year is celebrated as Foreign Students' Day in which foreign and Indian students take part. The Indian Council of Cultural Relations, New Delhi sponsors number of schemes for the Welfare of foreign students studying in various universities of our country.

# Appendix - I

## Number of Students enrolled in various Courses During the 1993-94

Level	Men	Women	Total
<b>FACULTY OF ARTS</b>			
Certificate Courses :			
Certificate Course in French	60	80	140
Certificate Course in Persian	01	-	01
Certificate Course in Arabic	54	14	68
Certificate Course in German	158	81	239
Certificate Course in Russian	31	17	48
<b>Total</b>	<b>304</b>	<b>192</b>	<b>496</b>
Diploma Courses :			
Diploma in Arabic	05	03	08
Diploma in German	10	04	14
Diploma in French	06	04	10
Diploma in Russian	02	-	02
Diploma in Persian	01	-	01
<b>Total</b>	<b>24</b>	<b>11</b>	<b>35</b>
Post Diploma Courses :			
Post Diploma in German	04	01	05
Post Diploma in Russian	-	01	01
<b>Total</b>	<b>04</b>	<b>02</b>	<b>06</b>
Degree Courses :			
F.Y.B.A.	565	594	1159
S.Y.B.A.	399	669	1068
T.Y.B.A.	299	465	764
B. Lib. Sc.	07	17	24
<b>Total</b>	<b>1270</b>	<b>1745</b>	<b>3015</b>
Post Graduate Degree Courses :			
M.A. Part I	229	348	577
M.A. Part II	228	296	524
M. Lib. Sc.	02	03	05
M. Phil	06	13	19
Ph. D.	17	15	32
<b>Total</b>	<b>482</b>	<b>675</b>	<b>1157</b>
<b>Grand Total</b>	<b>2084</b>	<b>2625</b>	<b>4709</b>
<b>FACULTY OF SCIENCE</b>			
Diploma Course :			
Ist Year	11	01	12
2nd Year	08	03	11
<b>Total</b>	<b>19</b>	<b>04</b>	<b>23</b>

**Degree Course :**

F.Y.B.Sc.	609	534	1143
S.Y.B.Sc.	479	397	876
T.Y.B.Sc.	292	332	624
<b>Total</b>	<b>1380</b>	<b>1263</b>	<b>2643</b>

**Post Graduate Degree Courses :**

M.Sc. (Previous)	184	177	361
M. Sc. (Final)	125	168	293
M.Sc. (Appl. Geol.)	04	02	06
<b>Total</b>	<b>313</b>	<b>347</b>	<b>660</b>

## Four Years Evening M.Sc. Course in Biochemistry

1st Year	02	02	04
2nd Year	02	-	02
3rd Year	-	01	01
4th Year	02	-	02
<b>Total</b>	<b>06</b>	<b>03</b>	<b>09</b>

M. Phil	04	01	05
Ph. D.	44	13	57
<b>Grand Total</b>	<b>1768</b>	<b>1634</b>	<b>3402</b>

**FACULTY OF EDUCATION AND PSYCHOLOGY**

## Degree Courses :

S.Y. B A	19	48	67
T.Y. B A	24	58	82
B. Ed.	78	100	178
<b>Total</b>	<b>121</b>	<b>206</b>	<b>327</b>

## Post Graduate Diploma Courses :

P.D.EM.	09	12	21
H.R.D.	42	08	50
C.C.P	01	21	22
<b>Total</b>	<b>52</b>	<b>41</b>	<b>93</b>

## Post Graduate Degree Courses :

M. A. I. & M. A. II	10	57	67
M. Ed. Full time	08	14	22
M. Phil	02	01	03
Ph.D.	07	05	12
<b>Total</b>	<b>27</b>	<b>77</b>	<b>104</b>
<b>Grand Total</b>	<b>200</b>	<b>324</b>	<b>524</b>

**FACULTY OF COMMERCE**

## Degree Course :

F.Y.B.Com.	2,171	2,016	4,187
S.Y.B.Com.	1,410	1,608	3,018
T.Y.B.Com.	1,142	1,232	2,374
<b>Total</b>	<b>4,723</b>	<b>4,856</b>	<b>9,579</b>

## Post Graduate Diploma :

Post Graduate Diploma in Banking,	14	52	66
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**Post Graduate Degree Course :**

M. Com. (Previous)	584	717	1,301
M. Com. (Final)	291	377	668
<b>Total</b>	<u>875</u>	<u>1094</u>	<u>1969</u>
Ph.D.	05	02	07
<b>Grand Total</b>	<u>5,617</u>	<u>6,004</u>	<u>11,621</u>

**FACULTY OF MEDICINE****Diploma Course :**

1st Year	120	55	175
2nd Year	143	55	198
3rd Year	160	94	254
4th Year	83	62	145
5th Year	30	10	40
<b>Total</b>	<u>536</u>	<u>276</u>	<u>812</u>

**Degree Course :**

1st Year	31	23	54
2nd Year	78	50	128
3rd Year	33	22	55
4th Year	12	05	17
<b>Total</b>	<u>154</u>	<u>100</u>	<u>254</u>

**Post-Graduate Diploma Course :**

Junior	27	13	40
Senior	29	21	50
<b>Total</b>	<u>56</u>	<u>34</u>	<u>90</u>

**Post-Graduate Degree Course :**

Junior	19	11	30
Senior	29	10	39
<b>Total</b>	<u>48</u>	<u>21</u>	<u>69</u>
<b>Grand Total</b>	<u>794</u>	<u>431</u>	<u>1225</u>

**FACULTY OF TECHNOLOGY AND ENGINEERING****Diploma Course :**

1st Year	37	06	43
2nd Year	31	03	34
3rd Year	51	02	53
<b>Total</b>	<u>119</u>	<u>11</u>	<u>130</u>

**Degree Course :**

1st Year	534	134	668
2nd Year	480	125	605
3rd Year	479	133	612
4th Year	513	118	631
5th Year	12	15	27
<b>Total</b>	<u>2,018</u>	<u>525</u>	<u>2,543</u>

**Post Graduate Diploma Course :**

Junior	37	34	61
<b>Total</b>	<u>37</u>	<u>34</u>	<u>61</u>

**Post Graduate Degree Courses :**

Junior	214	85	299
Senior	192	58	250
<b>Total</b>	<u>406</u>	<u>143</u>	<u>549</u>

Ph.D.	8	-	8
<b>Total</b>	<u>08</u>	<u>-</u>	<u>08</u>

<b>Grand Total</b>	<u>2,588</u>	<u>703</u>	<u>3,291</u>
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**FACULTY OF FINE ARTS****Diploma Course :**

1st Year	03	02	05
2nd Year	07	03	10
3rd Year	01	-	01
4th Year	05	07	12
<b>Total</b>	<u>16</u>	<u>12</u>	<u>28</u>

**Post Diploma Course**

Jr. Post Diploma	21	02	23
Sr. Post Diploma	32	06	38
<b>Total</b>	<u>53</u>	<u>08</u>	<u>61</u>

**Degree Course**

1st Year	50	46	96
2nd Year	33	43	76
3rd Year	33	34	67
4th Year	32	25	57
<b>Total</b>	<u>148</u>	<u>148</u>	<u>296</u>

**Post Graduate Degree Courses :**

M.A. (Pre)	39	14	53
M. A. (Fine)	35	21	56
<b>Total</b>	<u>74</u>	<u>35</u>	<u>109</u>

Ph.D.	18	8	26
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<b>Grand Total</b>	<u>299</u>	<u>211</u>	<u>510</u>
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**FACULTY OF HOME SCIENCE****Certificate Course :**

1st Year	-	20	20
<b>Total</b>	<u>-</u>	<u>20</u>	<u>20</u>

**Degree Course :**

F.Y. B.Sc. (Home)	04	296	300
S.Y. B.Sc. (Home)	01	265	266
T.Y. B.Sc. (Home)	01	190	191
<b>Total</b>	<b>06</b>	<b>751</b>	<b>757</b>

**Post-graduate Diploma Courses :**

C.D.	-	25	25
Ed. Ex.	-	08	08
<b>Total</b>	<b>-</b>	<b>33</b>	<b>33</b>

**Post Graduate Degree Courses :**

M.Sc. (Home.) Jr.	-	58	58
M. Sc. ( Home.)Sr.	-	53	53
M. Phil	-	02	02
Ph. D.	-	03	03
<b>Total</b>	<b>-</b>	<b>116</b>	<b>116</b>

<b>Grand Total</b>	<b>06</b>	<b>920</b>	<b>926</b>
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**FACULTY OF SOCIAL WORK****Post Graduate Degree Courses :**

MSW Junior	24	14	38
MSW Senior	15	21	36
<b>Total</b>	<b>39</b>	<b>35</b>	<b>74</b>

Ph.D.

05	05	10
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**Post Graduate Diploma Course :**

Industrial Relations and Personnel Management	04	06	10
<b>Grand Total</b>	<b>48</b>	<b>46</b>	<b>94</b>

**FACULTY OF LAW****Degree Courses :**

1st L.L.B. (Gen.)	221	124	345
2nd L.L.B. (Gen.)	60	18	78
L.L.B. (Special)	27	11	38
<b>Total</b>	<b>308</b>	<b>153</b>	<b>461</b>

**Post-Graduate Diploma Courses :**

D.T.P.	72	39	111
D.L.P.	92	75	167
<b>Total</b>	<b>164</b>	<b>114</b>	<b>278</b>

**Post Graduate Degree Courses :**

L.L.M. Part I	05	04	09
L.L.M. Part II	01	-	01
<b>Total</b>	<b>06</b>	<b>04</b>	<b>10</b>

Ph.D.

02	-	02
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<b>Grand Total</b>	<b>480</b>	<b>271</b>	<b>751</b>
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**FACULTY OF PERFORMING ARTS****Diploma Courses :**

1st Year	150	91	241
2nd Year	109	94	203
3rd Year	69	54	123
4th Year	30	43	73
5th Year	22	36	58

<b>Total</b>	<b>380</b>	<b>318</b>	<b>698</b>
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**Degree Course :**

1st Year B.P.A.	22	34	56
2nd Year B.P.A.	25	36	61
3rd Year B.P.A.	25	30	55

<b>Total</b>	<b>72</b>	<b>100</b>	<b>172</b>
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**Post Graduate Degree Courses :**

Junior	09	11	20
Senior	8	13	21

<b>Total</b>	<b>17</b>	<b>24</b>	<b>41</b>
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Ph.D.

5	2	7
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<b>Grand Total</b>	<b>474</b>	<b>444</b>	<b>918</b>
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**FACULTY OF MANAGEMENT STUDIES****Post Graduate Degrees :**

I- Year M.B.A.	23	7	30
II - Year M.B.A.	23	4	27

<b>Total</b>	<b>46</b>	<b>11</b>	<b>57</b>
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Ph.D.

03	01	04
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<b>Grand Total</b>	<b>49</b>	<b>12</b>	<b>61</b>
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**FACULTY OF JOURNALISM AND COMMUNICATION****Degree Course :**

B.J.C.	05	10	15
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<b>Grand Total</b>	<b>05</b>	<b>10</b>	<b>15</b>
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**POLYTECHNIC****Diploma Courses :**

(i) After S.S.C. (New)

1st Year	323	62	385
2nd Year	279	45	324
3rd Year	290	48	338

<b>Total</b>	<b>892</b>	<b>155</b>	<b>1,047</b>
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(ii) After H.S.C.

1st Year	208	14	222
2nd Year	167	13	180
3rd Year	178	17	195

<b>Total</b>	<b>553</b>	<b>44</b>	<b>597</b>
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(iii) E.D.C.			
1st Year	198	10	208
2nd Year	95	01	96
3rd Year	88	02	90
4th Year	87	01	88
<b>Total</b>	<b>468</b>	<b>14</b>	<b>482</b>
(iv) Post Diploma Course :			
Post Diploma in Refrigeration & Airconditioning			
<b>Total</b>	<b>14</b>	<b>-</b>	<b>14</b>
<b>Grand Total</b>	<b>1,927</b>	<b>213</b>	<b>2,140</b>

**M. K. AMIN ARTS & SCIENCE COLLEGE AND COLLEGE OF COMMERCE, PADRA.****Degree Courses :**

(i) F.Y.B.Com.	158	94	252
S.Y..Com.	33	44	77
T.Y.B.Com.	20	23	43
<b>Total</b>	<b>211</b>	<b>161</b>	<b>372</b>
(ii) F.Y.B.Com.	498	178	676
S.Y..Com.	168	89	257
T.Y.B.Com.	219	131	350
<b>Total</b>	<b>885</b>	<b>398</b>	<b>1283</b>
<b>Grand Total</b>	<b>1096</b>	<b>559</b>	<b>1655</b>

**BARODA SANSKRIT MAHAVIDYALAYA**

I 1st Year (Pratham Kaksha)	10	1	11
II Year	4	-	4
<b>Total</b>	<b>14</b>	<b>01</b>	<b>15</b>
<b>Diploma Course :</b>			
1st Year	20	08	28
2nd year	06	01	07
3rd Year	06	01	07
4th Year	02	01	03
5th Year	05	02	07
<b>Total</b>	<b>39</b>	<b>13</b>	<b>52</b>
<b>Degree Course (Shastri) :</b>			
1st Year	06	03	09
2nd Year	05	01	06
3rd Year	04	01	05
<b>Total</b>	<b>15</b>	<b>05</b>	<b>20</b>
<b>Post Graduate Degrees (Acharya) :</b>			
1st Year	07	-	07
2nd Year	04	01	05
Ph.D.	02	-	02
<b>Total</b>	<b>13</b>	<b>01</b>	<b>14</b>
<b>Grand Total</b>	<b>81</b>	<b>20</b>	<b>101</b>

## Appendix - II

### Statement showing the number of university students during the academic year 1993-94

Sr. No.	Faculties /Institutions	Post-Graduate Courses		Degree Courses		Diploma Courses		1993-94		1992-93	1991-92
		Men	Women	Men	Women	Men	Women	Men	Women	Total	Total
1.	Faculty of Arts	482	675	1270	1745	28	13	1780	2433	4213	4286
2.	Faculty of Science.	367	364	1380	1263	21	07	1768	1634	3402	3572
3.	Faculty of Edu. & Psy.	27	77	121	206	52	41	200	234	524	526
4.	Faculty of Commerce	880	1096	4796	4856	14	52	5617	6004	11621	10761
5.	Faculty of Medicine	48	21	154	100	592	310	794	431	1225	1146
6.	Faculty of Tech. & Engg.	414	143	2018	525	156	35	2588	703	3291	3192
7.	Faculty of Law	08	04	308	153	164	114	480	271	751	1038
8.	Faculty of Fine Arts	92	43	148	148	69	20	309	211	520	419
9.	Faculty of Home Science	-	116	06	751	-	33	06	900	906	761
10.	Faculty of Social Work	44	40	-	-	04	06	48	46	94	109
11.	Faculty of Performing Arts	22	26	72	100	-	-	94	126	220	236
12.	Faculty of Management studies	49	12	-	-	-	-	49	12	61	61
13.	Faculty of Journalism & Comm.	5	10	-	-	-	-	05	10	15	-
14.	Polytechnic.	-	-	-	-	1927	213	1927	213	2140	2217
15.	Shri. M.K. Amin Arts & Science College & College of Commerce Padra	-	-	1096	559	-	-	1096	559	1655	2509
16.	Baroda Sanskrit Mahavidyalaya	13	01	15	05	39	13	67	19	86	71
<b>Grand Total</b>		<b>2,451</b>	<b>2,628</b>	<b>11,311</b>	<b>10,411</b>	<b>3,066</b>	<b>857</b>	<b>16,828</b>	<b>13,896</b>	<b>30,724</b>	<b>30,904</b>

## Appendix - III

### Number of Students enrolled in various Courses during the last Five Years

The University started with 2926 students on its roll. In 1993-94 it had 32,724 University students excluding certificate course and 2,184 Non-University Students. The following table gives enrolment figures for the last five years. The percentage has been calculated considering 1989-90 as the base year.

Year	Total enrolment	Percentage Increased
1989-90	25,313	—
1990-91	26,007	2.74
1991-92	30,904	22.09
1992-93	32,498	28.38
1993-94	30,724	21.38

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## Appendix - IV

### Statement showing Percentage of Men and Women students in different Faculties/Institutions

The Statement given shows the percentages of men and women students in the various faculties and institutions at the University for the year 1970-71, 1980-81, 1993-94:

Sr. No.	Faculties/Institutions	1970-71		1980-81		1993-94	
		Men	Women	Men	Women	Men	Women
1.	Faculty of Arts	37.5	62.5	50.0	50.0	42.25	57.75
2.	Faculty of Science	72.2	27.8	66.5	33.5	51.56	48.04
3.	Faculty of Edu. & Psy.	30.7	60.3	46.9	53.1	38.17	61.83
4.	Faculty of Commerce	82.6	17.4	62.7	37.3	48.33	51.67
5.	Faculty of Medicine	84.0	16.0	85.4	14.6	64.82	35.18
6.	Faculty of Tech. & Engg.	97.7	2.3	96.8	3.2	78.64	21.36
7.	Faculty of Fine Arts	73.0	27.0	73.2	26.8	59.42	40.58
8.	Faculty of Home Science	0.1	99.9	0.1	99.9	00.66	99.34
9.	Faculty of Social Work	56.0	44.0	57.4	42.6	51.06	48.94
10.	Faculty of Law	89.5	10.5	89.8	10.2	63.91	36.09
11.	Faculty of Performing Arts	44.1	55.9	45.4	54.6	42.73	57.27
12.	Faculty of Management Studies	--	--	--	--	80.33	19.67
13.	Faculty of Journalism and Communication	--	--	--	--	33.33	66.67
14.	Polytechnic	99.4	0.6	98.9	1.1	90.05	09.95
15.	Shri MK Amin Arts & Science College College of Commerce, Padra	90.8	9.2	82.3	17.7	66.22	33.78
16.	Baroda Sanskrit Mahavidyalaya	80.0	20.0	62.7	37.3	77.91	22.09

## Appendix - V

### Statement showing percentage of Student enrolment in different Faculties/Instituions during the last Five Years

Sr.No.	Faculties/Institutions	1989-90	1990-91	1991-92	1992-93	1993-94
1.	Faculty of Arts	11.78	14.54	13.87	13.87	13.71
2.	Faculty of Science	12.52	11.95	11.56	11.27	11.07
3.	Faculty of Edu. & Psy.	1.84	1.86	1.70	1.61	1.70
4.	Faculty of Commerce	31.75	29.53	34.82	37.99	37.82
5.	Faculty of Medicine	4.34	4.27	3.71	3.58	3.99
6.	Faculty of Tech. & Engg.	11.67	11.27	10.33	10.45	10.71
7.	Faculty of Fine Arts	1.56	1.37	1.36	1.36	1.69
8.	Faculty of Home Science	2.73	2.93	2.46	2.54	2.95
9.	Faculty of Social Work	0.42	0.32	0.35	0.32	0.31
10.	Faculty of Law	3.88	4.00	3.36	3.09	2.44
11.	Faculty of Performing Arts	0.82	0.85	0.76	0.72	0.72
12.	Faculty of Management Studies	0.19	0.22	0.20	0.17	0.20
13.	Faculty of Journalism & Com.	--	--	--	0.05	0.05
14.	Polytechnic	8.52	8.36	7.17	7.04	6.96
15.	Shri MK Amin Arts & Science College College of Commerce, Padra	7.31	7.50	8.13	5.68	5.39
16.	Baroda Sanskrit Mahavidyalaya	7.31	7.50	8.13	0.26	0.28
<b>TOTAL</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## Appendix - VI

### Students admitted in various Halls of Residence during 1993-94.

Sr. Faculty/ No. Institution	KM	MM	MA	SP	TKG	JM	LBS	NV	RT	MV	SJ	VS	TOTAL SD	HM	PG	KG	TOTAL	G. TOTAL
1. Arts	14	33	70	56	15	03	25	33	05	20	13	13	300	51	39	15	213	533
2. Science	114	02	-	03	02	-	87	-	01	-	01	32	242	75	37	15	145	387
3. Edu. & Psy.	06	05	-	07	01	17	02	02	01	-	02	12	55	06	04	13	36	91
4. Com. & P. College	-	03	01	24	202	01	02	05	04	07	08	05	262	25	44	25	112	374
5. Medical	-	-	-	-	-	159	-	-	-	-	-	-	159	06	04	25	49	208
6. Tech & Engg..	16	19	-	14	03	02	06	80	236	257	213	41	887	18	134	15	184	1071
7. Fine Arts	02	-	104	30	-	01	05	03	01	-	02	08	156	11	05	03	100	256
8. Home Sci.	02	-	-	-	-	-	-	-	-	-	-	01	03	191	08	10	225	228
9. Social Work	-	-	-	-	-	-	-	-	-	-	-	11	11	02	03	07	12	23
10. Law	-	-	02	-	01	-	01	03	-	-	03	-	10	01	-	02	03	13
11. P. Arts	-	-	-	01	-	18	-	-	-	-	-	01	20	02	07	10	20	40
12. M. of Studies	-	-	-	05	-	02	-	-	-	-	-	15	22	03	-	-	03	25
13. Journalism & Comu.	-	-	-	02	-	-	-	-	-	-	-	-	02	03	-	-	03	05
14. Polytechnic	03	87	-	32	01	01	07	60	14	07	04	-	216	02	-	02	07	223
15. Baroda Sanskrit Mahavidyalaya	01	-	-	01	-	-	-	-	-	-	-	-	02	-	01	-	01	03
16. I. A. S.	-	-	-	-	-	-	-	-	-	-	-	01	01	-	-	-	-	01
<b>TOTAL</b>	<b>158</b>	<b>149</b>	<b>177</b>	<b>175</b>	<b>225</b>	<b>204</b>	<b>135</b>	<b>186</b>	<b>262</b>	<b>291</b>	<b>246</b>	<b>140</b>	<b>2,348</b>	<b>396</b>	<b>286</b>	<b>142</b>	<b>1,133</b>	<b>3,481</b>

## Appendix - VII

**Statement showing the percentage of Students residing in the University hostels and the Corresponding Figures for the last Five Years.**

Year	Student residing in hostels			Percentage of Students in Residence against Total Enrolment		
	Men	Women	Total	Men	Women	Total
1989-90	2,588	1,045	3,633	10.22	4.12	14.34
1990-91	2,528	1,116	3,644	9.72	4.29	14.01
1991-92	2,425	1,168	3,593	7.85	3.78	11.63
1992-93	2,297	1,202	3,499	7.08	3.70	10.78
1993-94	2,348	1,133	3,481	7.64	3.69	11.33

## Appendix - VIII

**A Statement showing the Non-University Students in the year 1993-94**

Faculties/Institutions	1993-94			1992-93	1991-92
	Men	Women	Total		
A. Diploma Courses					
(i) Faculty of Performing Arts	380	318	698	823	673
B. Certificate Courses					
(i) Faculty of Arts	304	192	496	353	413
(ii) Faculty of Home Science	-	20	20	20	20
(iii) Baroda Sanskrit Mahavidyalaya	14	01	15	77	79
C. S.S.C. Courses					
(i) University Experimental School	478	355	833	826	775
D. (i) Chetan Balwadi	54	31	85	85	85
<b>Total</b>	<b>1230</b>	<b>917</b>	<b>2147</b>	<b>2184</b>	<b>2044</b>

## Appendix - IX

**Number of Disabled Students in various Faculties/Institutions in the year 1993-94**

Sr.No.	Faculties/Institutions	Men	Women	Level
1.	Faculty of Arts	7	1	UG
		4	-	PG
2.	Faculty of Science	4	-	UG
		2	-	PG
3.	Faculty of Commerce	2	3	UG
		5	-	PG
4.	Faculty of Tech. & Engg.	3	-	UG
		1	-	PG
5.	Faculty of Law	3	-	PG
6.	Faculty of Performing Arts	1	-	PG
7.	M.K.Amin Arts & Science college & College of Commerce Padra	1	-	UG
8.	Polytechnic	18	-	UG
	<b>Total</b>	<b>51</b>	<b>04</b>	

# Appendix - X

## Number of Foreign Students in the Year 1993-94

Level	Men	Women	Name of the Country
<b>FACULTY OF ARTS</b>			
Under Graduate	01	-	Nepal
	01	-	Zambia
<b>Total</b>	<b>02</b>	<b>-</b>	
Post-Graduate	03	-	Bangladesh
	02	-	Ethopia
	17	-	Jordan
	10	05	Kenya
	18	02	Sudan
	01	-	Vietnam
<b>Total</b>	<b>51</b>	<b>07</b>	
<b>FACULTY OF SCIENCE</b>			
Post Graduate	01	-	Kenya
	01	-	Newzeland
<b>Total</b>	<b>02</b>	<b>-</b>	
<b>FACULTY OF EDUCATION AND PSYCHOLOGY</b>			
Post Graduate	03	03	Kenya
	-	01	Malta
	01	-	Vietnam
<b>Total</b>	<b>04</b>	<b>04</b>	
<b>FACULTY OF COMMERCE</b>			
Under Graduate	-	01	Kenya
Post-Graduate	57	02	Kenya
<b>Total</b>	<b>57</b>	<b>03</b>	
<b>FACULTY OF TECHNOLOGY AND ENGINEERING.</b>			
Under Graduate	05	-	Bangladesh
	01	-	Sudan
	02	-	U.S.A.
<b>Total</b>	<b>08</b>	<b>-</b>	
Post-Graduate	01	-	British (UK)
<b>Total</b>	<b>01</b>	<b>-</b>	
<b>FACULTY OF FINE ARTS</b>			
Under Graduate	01	-	Bangladesh
	01	-	U.S.A.
	02	-	
Post-Graduate	02	-	Bangladesh
	01	01	England
	01	-	Kenya
	01	-	Jordan
	02	01	South Korla
	01	-	U.K.
<b>Total</b>	<b>08</b>	<b>02</b>	

## FACULTY OF HOME SCIENCE

Post Graduate	-	01	Kenya
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<b>Total</b>	<b>-</b>	<b>01</b>	
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## FACULTY OF LAW

Under Graduate	08	01	Kenya
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	01	-	Nigeria
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<b>Total</b>	<b>09</b>	<b>01</b>	
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Post Graduate	01	-	Kenya
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<b>Total</b>	<b>10</b>	<b>01</b>	
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## FACULTY OF PERFORMING ARTS

Under Graduate	03	06	Bangladesh
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Post Graduate	05	03	Bangladesh
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<b>Total</b>	<b>08</b>	<b>09</b>	
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<b>Grand Total</b>	<b>153</b>	<b>27</b>	
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## Appendix - XI

Statement showing number of students belonging to Scheduled Castes  
Scheduled Tribes Socially and Economically Backward in various  
Faculties/Institutions during 1993-94.

Sr. No.	Faculties/Institutions	SC		ST		SEBC		Total
		M	W	M	W	M	W	
1.	Faculty of Arts	129	108	118	74	14	22	465
2.	Faculty of Science	44	30	15	06	70	36	201
3.	Faculty of Education and Psychology	13	06	24	07	02	-	52
4.	Faculty of Commerce	158	114	17	26	32	31	378
5.	Faculty of Medicine	38	10	42	24	19	05	138
6.	Faculty of Technology and Engineering	72	16	13	03	57	14	175
7.	Faculty of Fine Arts	07	02	05	-	05	01	20
8.	Faculty of Home Science	-	22	-	02	-	-	24
9.	Faculty of Social Work	03	01	02	01	02	02	11
10.	Faculty of Law	11	07	02	01	04	07	32
11.	Faculty of Performing Arts	02	-	-	-	-	-	02
12.	Faculty of Management Studies	03	-	06	01	02	-	12
13.	Faculty of Journalism and Communication	-	-	-	-	-	-	-
14.	Polytechnic	100	09	110	09	216	12	456
15.	Shri M.K. Amin Arts and Science College and College of Commerce, Padra	32	11	5	01	12	01	62
16.	Baroda Sanskrit Mahavidyalaya	-	-	03	02	-	-	05
	<b>Total</b>	<b>612</b>	<b>336</b>	<b>362</b>	<b>157</b>	<b>435</b>	<b>131</b>	<b>2,033</b>

# Appendix- XII

## Results of the University Examinations for the First-Half of 1993

Sr. Examination No	Number Appeared				Number Passed														Grand Total	Percentage of Passes
	No. regd.	Ab-sent	Men		Men							Women								
			Men	Wo-men	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
<b>FACULTY OF ARTS</b>																				
1.	F.Y.B.A.	1990	14	881	1109	1990	-	22	89	106	217	-	69	169	123	361	578	32.63%		
2.	S.Y.B.A.	1197	-	525	672	1197	-	-	-	206	206	-	-	-	389	389	595	53.41		
3.	T.Y.B.A.	993	-	430	563	993	2	29	78	124	233	7	56	217	151	431	466	69.82		
4.	Dip. in Arabic	03	-	01	02	03	-	01	-	-	01	02	-	-	-	02	03	100%		
5.	Dip. in German	16	03	09	07	16	-	01	01	01	03	-	02	-	01	03	06	46.15%		
6.	Dip. in French	08	-	06	02	08	-	01	02	03	06	01	-	1	-	02	08	100%		
7.	Dip. in Russian Language	01	-	-	01	01	-	-	-	-	-	01	-	-	-	01	01	100%		
8.	Post Dip. in Russian Language	01	-	-	01	01	-	-	-	-	-	-	-	01	-	01	01	100%		
9.	Post Dip. in German Language	07	01	03	04	07	-	-	01	01	02	-	02	02	-	04	06	100%		
10.	Acharya	02	-	02	-	02	-	01	-	01	02	-	-	-	-	-	02	100%		
11.	Shastri	04	-	04	-	04	-	-	02	02	04	-	-	-	-	-	04	100%		
12.	Visharad	03	-	03	-	03	-	01	02	-	03	-	-	-	-	-	03	100%		
13.	Bachelor of Lib. & Infor. Sci.	31	01	06	25	31	-	01	04	01	06	-	08	07	03	18	24	80%		
14.	Master of Lib. & Inter Sci.	03	-	02	01	03	-	-	01	-	01	-	-	01	-	01	02	66.6%		
<b>FACULTY OF EDUCATION AND PSYCHOLOGY</b>																				
15.	B. Ed.	183	-	68	115	183	-	03	33	09	45	-	30	61	09	100	145	83.6		
16.	M.Ed.	13	-	09	04	13	-	-	-	-	-	01	02	03	-	06	06	50.50%		
17.	P.G. Dip. in H.R.D.	49	04	34	11	45	-	02	19	11	32	-	04	05	02	11	43	95.05%		
18.	P.G. Dip. in C.C.P.	15	01	02	13	15	-	01	-	-	01	03	03	04	02	12	13	93.00%		
19.	P.D. E.M.	12	-	02	10	12	-	01	-	-	01	-	06	01	-	07	08	75.00%		
<b>FACULTY OF COMMERCE</b>																				
20.	F.Y. B. Com.	6202	1	3456	2746	6202	-	171	441	508	1120	-	326	527	504	1357	2477	44.74%		
21.	S.Y.B. Com.	4179	-	2224	1955	4179	-	-	-	833	838	-	-	-	997	997	1835	48.89%		
22.	T.Y.B. Com.	4078	2	2167	1911	4078	-	51	323	612	986	-	74	390	604	1075	2061	53.63%		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
23. M. Com. (P)	1068				574	494	1068				168	168				164	164	332	44.50%
24. M. Com. (F)	463				223	240	463		11	44	71	126		19	50	84	153	279	69.23%
25. P.G. Dip. In Banking	1				12	20	32			4	3	7		1	5	2	8	15	00.00%
<b>FACULTY OF MEDICINE</b>																			
26. M.Sc. Medical P.I.	07				01	06	07									05	05	05	
27. M.Sc. Medical Part II	02	01			01		01				01	01							100.00%
28. D.A.	04					04	04									04	04	04	100.00% <sup>29</sup>
29. D.O.	01				01		01				01	01							100.00%
30. D.G.O.	01					01	01												00.00%
31. D.T.D.D.	02					02	02									02	02	02	100.00%
32. D.C.P.	04				01	03	04									03	03	03	75.00%
33. M.D.	43	03			18	12	40				19	19				09	09	28	71.79%
34. M.S.	21				17	04	21				11	11				03	03	14	66.66%
35. M...Ch. Plastic Surgery	01				01		01				01	01							100.00%
36. First M.B.B.S.	39	01			23	15	38				19	19				10	10	29	76.32%
37. Third M.B.B.S.	72				48	24	72				31	31				19	19	50	69.44%
38. F.Y.B. Physio.	26	01			01	24	25				02	02				14	14	16	64.00%
39. S.Y.B. Physio.	25				06	19	25				05	05				15	15	20	80.00%
40. T.Y. B. Physio.	26				01	25	26				01	01				25	25	26	100.00%
<b>FACULTY OF LAW</b>																			
41. First L.L.B.	414				297	117	414			34	21	55			12	5	17	72	31.16%
42. Second L.L.B. (General)	223	62			110	51	161			24	12	36			12	5	17	53	33.12%
43. Second LL.B. (Special)	101	25			51	25	76			31	4	35			9	1	10	45	60%
44. D.L.P.	99	40			28	31	59				15	15				6	6	21	35.59%
45. D.T.P.	134	45			46	43	89				28	28				11	11	39	43.82%
46. L.L.M.I	13	7			13		13												00.00%
47. LL.M. II	3				3		3			2		2						2	66.66%
<b>FACULTY OF HOME SCIENCE</b>																			
48. B.Sc. (Home)	173	02				171	171									03	164	164	96.00%
49. M.Sc. (Home)	39	01				032	032								07		31	31	96.00%
50. P.G. Dip. in Edu. Extension	05					05	05								01		05	05	100.00%
51. P.G. Dip. Child hood care & Education	21					20	20								03		20	20	98.00%
52. U.G. Dip. In Early Childhood Care & Edu.	16					16	16								03		16	16	100.00%



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
76.	S.S. of B. Text (Tech.)	17	-	13	4	17	3	3	7	-	13	2	2	-	-	4	17	100.00%	
77.	F.S.F.Y. B.Sc. Text (Tech.)	5	-	5	-	5	-	-	-	4	4	-	-	-	-	-	4	80%	
78.	S.S. F.Y. B.Sc. (Tech.)	13	1	12	-	12	-	4	2	5	11	-	-	-	-	-	11	91.67%	
79.	F.S.S.Y. B.Sc. (Tech.)	2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100.00%	
80.	S.S.S.Y. B.Sc. (Tech.)	8	-	8	-	8	-	1	1	3	5	-	-	-	-	-	5	62.50%	
81.	S.S.T.Y. B.Sc. (Tech.)	2	-	2	-	2	1	1	-	2	-	-	-	-	-	-	2	100.00%	
82.	F.S.F.Y. DTC	17	-	15	1	16	-	-	-	3	3	-	-	-	1	1	4	25%	
83.	S.S.F.Y. DTC	27	2	24	1	25	-	-	2	9	11	-	-	-	1	1	12	48%	
84.	F.S.S.Y. DTC	4	-	4	-	4	-	-	-	2	2	-	-	-	-	-	2	50%	
85.	S.S.S.Y. DTC	22	1	21	-	21	-	2	9	4	15	-	-	-	-	-	15	71.43%	
86.	S.S.T.Y. DTC	12	-	12	-	12	-	2	5	1	8	-	-	-	-	-	8	66.66%	
87.	F.S.B.Sc. DTC	5	1	4	-	4	-	-	-	4	4	-	-	-	-	-	4	100.00	
88.	S.S.B.Sc. DTC	17	2	15	-	15	-	-	7	7	14	-	-	-	-	-	14	93.33%	
89.	F.S.F.Y. DTT	15	-	15	-	15	-	-	-	5	5	-	-	-	-	-	5	33.33%	
90.	S.S.F.Y. DTT	21	-	18	3	21	-	2	1	6	9	-	1	-	2	3	12	57.14%	
91.	F.S.S.Y. DTT	6	2	4	-	4	-	-	-	2	2	-	-	-	-	-	2	50%	
92.	S.S.S.Y. DTT	24	2	22	-	22	-	3	5	3	11	-	-	-	-	-	11	50%	
93.	F.S.T.Y. DTT	6	2	4	-	4	-	-	-	3	3	-	-	-	-	-	3	75%	
94.	S.S.T.. DTT	17	-	17	-	17	-	5	7	1	13	-	-	-	-	-	13	76.47%	
<b>I SEM OF BEI</b>																			
95.	Civil	72	-	33	19	72	-	-	-	33	33	-	-	-	12	12	42		
96.	IWM	20	-	18	02	20	-	-	-	12	12	-	-	-	01	01	13		
97.	Mech.	35	-	31	04	35	-	-	-	17	17	-	-	-	03	03	20		
98.	Ind. Engg.	11	-	08	03	11	-	-	-	07	07	-	-	-	03	03	10		
99.	Elect.	31	-	27	04	31	-	-	-	18	18	-	-	-	01	01	19		
100.	Electronics	11	-	10	01	11	-	-	-	04	04	-	-	-	01	01	05		
101.	Chemical	17	-	15	02	17	-	-	-	10	10	-	-	-	01	01	11		
102.	Met.	24	-	22	02	24	-	-	-	07	07	-	-	-	01	01	08		
103.	Computer	25	-	17	08	25	-	-	-	04	04	-	-	-	03	03	07		
<b>II SEM of BEI</b>																			
104.	Civil	124	03	90	34	124	-	03	26	15	44	-	-	06	07	13	57		
105.	IWM	28	01	25	02	27	-	-	-	08	08	-	-	-	-	-	08		
106.	Mech.	91	02	81	08	89	-	11	28	13	52	-	-	02	02	04	58		
107.	Ind. Engg.	23	01	15	07	22	-	-	05	02	07	-	-	01	03	04	11		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
108.	Elect.	92	04	73	15	88	01	06	26	02	38	-	01	05	-	06	41		
109.	Electronics	59	-	52	07	59	08	13	12	01	34	02	-	04	-	06	40		
110.	Chemical	38	-	33	05	38	06	01	08	02	17	-	-	03	01	04	21		
111.	Met.	55	03	-	53	52	-	-	13	02	15	-	01	02	03	04	19		
112.	Computer	68	01	44	23	67	-	05	10	04	19	-	05	09	-	14	33		
<b>I SEM OF BE II</b>																			
113.	Civil	40	-	35	05	40	-	-	-	23	23	-	-	-	03	03	26		
114.	IWM	11	-	09	02	11	-	-	-	07	07	-	-	-	01	01	08		
115.	Mech	26	-	23	03	26	-	-	-	18	18	-	-	-	03	03	21		
116.	Ind. Engg.	08	-	07	01	08	-	-	-	04	04	-	-	-	-	-	04		
117.	Elect.	20	-	16	04	20	-	-	-	13	13	-	-	-	01	01	14		
118.	Electro	1	-	01	-	01	-	-	-	01	01	-	-	-	-	-	01		
119.	Chemical	17	-	13	04	17	-	-	-	07	07	-	-	-	03	03	10		
120.	Met.	18	-	17	01	18	-	-	-	07	07	-	-	-	01	01	08		
121.	Computer	19	-	18	01	19	-	-	-	11	11	-	-	-	-	-	11		
<b>I SEM OF BE II</b>																			
122.	Civil	107	02	83	22	105	-	08	29	18	55	-	06	09	01	16	71		
123.	IWM.	25	-	19	06	25	-	-	04	05	09	-	-	03	01	04	13		
124.	Mech.	93	01	87	05	92	10	31	20	12	73	-	-	03	02	05	78		
125.	Ind. Engg.	23	01	17	05	22	-	04	06	04	14	-	01	04	-	05	19		
126.	Elect.	86	01	76	09	85	14	14	24	09	61	-	-	03	02	05	66		
127.	Electronics	35	-	28	07	35	05	09	09	01	24	03	01	02	-	06	30		
128.	Chemical	42	01	34	07	41	05	09	09	05	28	-	02	02	02	06	34		
129.	Met.	50	-	42	08	50	-	04	16	05	25	-	01	04	01	06	31		
130.	Computer	71	01	49	21	70	04	08	13	01	26	03	05	09	02	19	45		
<b>I SEM OF BE III</b>																			
131.	Civil	13	-	12	01	13	-	-	-	10	10	-	-	-	01	01	11		
132.	IWM	03	-	03	-	03	-	-	-	03	03	-	-	-	-	-	03		
133.	Mech.	14	-	11	03	14	-	-	-	08	08	-	-	-	02	02	10		
134.	Ind. Engg.	01	-	01	-	01	-	-	-	01	01	-	-	-	-	-	01		
135.	Elect.	20	-	20	-	20	-	-	-	16	16	-	-	-	-	-	16		
136.	Electro	09	-	08	01	09	-	-	-	05	05	-	-	-	01	01	06		
137.	Met	04	-	03	01	04	-	-	-	03	03	-	-	-	-	-	03		
138.	Computer	04	-	04	-	04	-	-	-	03	03	-	-	-	-	-	03		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>I SEM BE III</b>																			
139. Civil	116	-	-	-	21	-	-	03	19	58	14	94	01	05	12	02	20	114	
140. IWM	17	-	-	-	-	-	-	01	05	04	-	10	-	02	01	-	03	13	
141. Meh.	103	-	-	-	-	-	-	10	31	35	05	81	-	04	02	-	06	87	
142. Ind. Engg.	23	-	-	-	-	-	-	06	08	06	01	21	02	-	01	-	03	24	
143. Elec.	83	-	-	-	-	-	-	08	16	22	09	55	01	01	06	01	09	64	
144. Electro	45	-	-	-	-	-	-	11	08	08	02	29	-	01	01	01	03	32	
145. Chemical	37	-	-	-	-	-	-	06	07	09	01	23	01	-	03	-	04	27	
146. Met.	41	-	-	-	-	-	-	02	10	14	06	32	02	02	-	-	04	36	
147. Computer	68	-	-	-	-	-	-	20	10	07	-	37	04	02	01	-	07	44	
<b>I SEM BE IV</b>																			
148. Civil	07	-	06	01	07	-	-	-	-	-	03	03	-	-	-	-	-	03	
149. IWM	03	-	03	-	03	-	03	-	-	-	03	03	-	-	-	-	-	03	
150. Mech.	06	-	06	-	06	-	06	-	-	-	05	05	-	-	-	-	-	05	
151. Elec	11	-	10	01	11	-	11	-	-	-	02	02	-	-	01	01	01	03	
152. Electro	02	-	02	-	02	-	02	-	-	-	-	-	-	-	-	-	-	-	
153. Computer	03	-	03	-	03	-	03	-	-	-	03	03	-	-	-	-	-	03	
<b>SS of BE IV</b>																			
154. Civil	110	01	84	25	109	14	14	31	31	33	02	82	04	11	09	-	24	106	
155. IWM	17	-	15	02	17	05	05	06	06	03	-	14	01	01	-	-	02	16	
156. Mech.	73	-	67	06	73	40	40	21	21	06	-	67	06	-	-	-	06	73	
157. Ind. Engg.	15	-	11	04	15	08	08	03	03	-	-	11	03	01	-	-	04	15	
158. Elec.	67	01	64	02	66	19	19	17	17	18	02	56	01	-	01	-	02	58	
159. Chem.	31	02	24	05	29	10	10	06	06	08	-	24	02	01	02	-	05	29	
160. Met.	37	-	30	07	37	16	16	11	11	03	-	30	05	-	02	-	07	37	
161. Electronics	38	-	37	01	38	19	19	09	09	07	-	35	-	01	-	-	01	36	
162. Comp. Science	54	-	48	06	54	15	15	11	11	17	02	45	02	03	01	-	06	51	
<b>I SEM OF BE TY PD</b>																			
163. Civil	02	-	02	-	02	-	02	-	-	-	02	02	-	-	-	-	-	02	
164. Mech.	04	-	04	-	04	-	04	-	-	-	01	01	-	-	-	-	-	01	
165. Elect.	21	-	21	-	21	-	21	-	-	-	04	04	-	-	-	-	-	04	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	<b>I SEM OF BE IV</b>																	
166.	Civil	26	-	26	-	26	11	06	10	-	27	-	-	-	-	-	27	
167.	Mech	55	-	55	-	55	12	26	11	01	50	-	-	-	-	-	50	
168.	Elect.	36	-	36	-	36	09	-	10	01	20	-	-	-	-	-	20	
169.	I Sem. of B E I Electro P.B.Sc.	07	-	06	01	07	-	-	-	05	05	-	-	-	01	01	06	
170.	I Sem. of B E I Electro P.B.Sc.	26	-	23	3	26	-	02	06	02	10	-	-	01	-	01	11	
171.	I Sem. of B E II Electro P.B.Sc.	15	-	12	03	15	-	-	-	07	07	-	-	-	02	02	09	
172.	I Sem. of B E III Electro P.B.Sc.	21	-	17	04	21	-	-	03	04	07	-	-	-	01	01	08	
173.	I Sem. of B E III Electro P.B.Sc.	06	-	02	04	06	-	-	-	01	01	-	-	-	02	02	03	
174.	II Sem. of B E III Electro P.B.Sc.	30	-	26	04	30	03	08	11	-	22	-	01	-	02	03	25	
175.	I Sem of B. Pharm - I	09	-	02	07	09	-	-	-	01	01	-	-	-	05	05	06	66.66%
176.	II Sem. of B. Pharm I	30	-	13	17	30	01	03	03	-	07	03	02	05	01	11	18	60.900%
177.	I Sem. of B. Pharm - II	09	01	08	-	08	-	-	-	06	06	-	-	-	-	-	06	75.00%
178.	II Sem. of B. Pharm - II	24	-	12	12	24	-	01	02	04	07	02	06	03	-	11	18	75.00%
179.	I Sem. of B. Pharm III	03	-	01	02	03	-	-	-	02	02	-	-	-	01	01	03	100.00%
180.	II Sem. of B. Pharm III	35	-	12	23	35	-	01	05	02	08	01	03	16	03	23	31	88.57%
181.	I Sem. of B. Pharm IV	02	-	01	01	02	-	-	-	01	01	-	-	-	01	01	02	100.00%
182.	I Sem. of B. Pharm IV	24	-	04	20	24	-	01	03	-	04	02	06	11	-	19	23	95.83%
183.	M.Sc. (Geotech)	2	1	1	1	2	-	-	-	1	1	-	-	-	-	-	1	100.00%
184.	M.Sc. (Geotech) II	5	-	4	1	5	3	-	1	-	4	-	-	-	-	-	4	80%*
185.	P.G. Dip. in Env. Sc.	3	-	3	-	3	-	-	-	1	1	-	-	-	-	-	1	33.35%
186.	SS of P.G. Dip. in ENV Sc.	16	-	4	12	16	-	1	2	1	4	1	3	7	-	11	15	93.75%
187.	SS of P.G. Dip. in Corrosion	1	-	1	-	1	-	-	-	-	-	1	-	-	-	1	1	100.00%
188.	P.G. Dip. in Comp. App.	3	1	2	-	2	-	-	-	1	1	-	-	-	-	-	2	50%
189.	P.G. Dip. in Camp.App.	28	-	23	05	28	4	11	3	-	18	03	02	-	-	05	23	82.14%
190.	P.G. Dip. in Phy.	01	01	-	01	-	-	-	-	-	-	-	-	-	-	-	-	-
191.	SS P.G. Dip. in SSE	05	-	05	-	05	-	03	02	-	05	-	-	-	-	-	05	100.00%
192.	SS PG Dip. in Geotech	03	-	1	02	03	-	-	01	-	01	-	01	01	-	02	03	100.00%
193.	SS M Pharm	05	-	03	02	05	-	-	-	03	-	-	-	-	02	02	05	100.00%
194.	SS M.Text (Engg.)	02	-	02	-	02	-	-	-	02	02	-	-	-	-	-	02	100.00%
195.	SS M. Text. (E) III	01	-	01	-	01	01	-	-	-	01	-	-	-	-	-	01	100.00%
196.	M. CA - IFS	2	-	01	02	-	-	-	-	-	-	-	-	-	01	01	01	50.00%
197.	SS MCA I	29	-	21	08	29	05	04	10	-	19	02	04	01	01	08	27	96.50%
198.	SS MCA - II	30	-	20	10	30	06	13	01	20	20	05	04	01	-	10	30	100.00%
199.	SS MCA - III	30	-	24	06	30	08	13	01	01	23	01	05	-	-	06	29	100.00%



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	SSC																	
226.	I DCE	19	-	14	05	19	-	-	-	02	02	-	-	-	01	01	03	16.66%
227.	I DME	28	-	27	01	28	-	-	-	17	17	-	-	-	-	-	17	60.71%
228.	I DEE	299	-	26	03	29	-	-	-	11	11	-	-	-	02	02	13	44.82%
	HSC																	
229.	II DCE	57	01	52	04	56	-	25	17	02	44	-	03	01	-	04	48	88.88%
230.	II DME	69	-	67	02	69	-	48	10	02	60	-	01	01	-	02	62	89.35%
231.	II DEE	65	-	65	-	65	-	49	10	01	60	-	-	-	-	-	60	92.30%
	SSC																	
232.	II DCE	105	-	90	15	105	-	39	26	05	70	-	06	05	01	12	82	78.84%
233.	II DME	137	01	123	13	136	-	70	22	03	95	-	11	01	-	12	107	78.67%
234.	II DEE	126	01	112	13	125	-	51	22	03	76	-	04	05	-	09	85	68%
	PCT																	
235.	I FYD	12	-	09	03	12	-	-	-	02	02	-	-	-	03	03	05	41.66%
236.	II FYD	67	01	57	09	66	-	21	09	-	30	-	03	02	-	05	35	53.84%
237.	I SYD	23	02	20	01	21	-	-	-	13	13	-	-	-	-	-	13	61.90%
238.	II SYD	62	02	53	07	60	-	21	07	04	32	-	02	02	-	04	36	60%
239.	I YD	03	-	03	-	03	-	-	-	01	01	-	-	-	-	-	01	33.33%
240.	II YD	52	-	45	07	52	-	34	08	-	42	-	01	01	01	07	49	96.07%
	HSC																	
241.	I F.Y.D. (CME)	246	11	223	12	235	-	-	-	159	159	-	-	-	09	09	168	71.48%
242.	II F.Y.D. (CME)	47	11	36	-	36	-	-	-	09	09	-	-	-	-	-	09	25%
	SSC																	
243.	I F.Y.D. (CME)	466	314	89	63	452	-	-	-	185	185	-	-	-	38	38	223	49.44%
244.	II F.Y.D. (CME)	209	14	177	18	195	-	-	-	12	12	-	-	-	04	04	16	18.20%
	HSC																	
245.	I S.Y.D. (CME)	185	11	161	13	174	-	-	-	118	118	-	-	-	12	12	130	24.71%
246.	II S.Y.D. (CME)	24	07	17	-	17	-	-	-	07	07	-	-	-	-	-	07	41.17%
	SSC																	
247.	I S.Y.D. (CME)	335	14	280	41	321	-	-	-	181	181	-	-	-	32	32	213	66.56%
248.	II S.Y.D. (CME)	87	22	61	04	65	-	-	-	21	21	-	-	-	03	03	24	36.92%
249.	I DCE	54	-	48	6	54	-	-	-	41	41	-	-	-	5	5	47	87.03%

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	HSC																	
	250. IDME	75	-	73	02	75	-	-	-	68	68	-	-	-	02	02	70	93.33%
	251. IDEE	74	-	65	9	74	-	-	-	59	59	-	-	-	6	6	68	94.44%
	SSC																	
	252. IDCE	94	02	72	20	92	-	-	-	52	52	-	-	-	18	18	70	76.92%
	253. IDME	108	03	92	13	105	-	-	-	73	-	-	-	-	11	11	84	80%
	254. IDEE	121	03	101	17	118	-	-	-	74	74	-	-	-	13	13	87	74.35%
	HSC																	
	255. IIDCE	03	-	03	-	03	-	01	-	-	01	-	-	-	-	-	01	33.33%
	256. IIDME	05	-	05	-	05	-	-	01	01	02	-	-	-	-	-	02	40.00%
	257. IIDEE	02	01	01	-	01	-	-	-	-	-	-	-	-	-	-	-	-
	SSC																	
	258. IIDCE	15	01	10	04	14	02	-	-	-	02	-	-	-	-	-	02	15.38%
	259. IIDCE	25	-	23	02	25	-	03	10	02	15	-	-	-	01	01	16	64%
	260. IIDEE	29	-	27	02	29	-	-	08	04	12	-	-	-	01	01	13	44.82%

# Appendix- XIII

## Results of the University Examinations for the Second half of 1993

Sr. Examination No	Number Appeared										Number Passed										Pass
	Men					Women					Men					Women					
	No. regd.	Ab. sent	Men	Wo-men	Total	Dist.	Class	Class	Class	Total	Dist.	Class	Class	Class	Total	Dist.	Class	Class	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
<b>FACULTY OF ARTS</b>																					
1.	F.Y.B.A.	1054	230	485	509	1054	-	-	-	1	49	50	-	-	1	01	02	112	13.84		
2.	S.Y.B.A.	475	245	230	475	-	-	-	-	67	50	-	-	-	1	01	02	112	13.84		
3.	T.Y.B.A.	217	1	139	78	217	-	-	1	35	30	-	-	1	24	25	01	39.61			
4.	M.A.Part-I	101	5	101	-	101	-	-	-	27	27	-	-	-	-	-	27	39.13			
5.	M.A.Part II	48	2	149	-	149	-	-	8	36	42	-	-	-	-	-	42	51.13			
6.	F.Y.B.S.	-	374	266	640	-	-	1	12	132	145	-	-	14	95	109	254	43.56			
7.	S.Y.B.Sc.	286	-	157	129	280	-	-	-	56	56	-	-	14	95	109	1	100.00%			
9.	T.Y. B.Sc.	232	2	144	88	232	-	-	12	51	63	-	1	9	35	45	102	57.14			
9.	M.Sc. (Prev)	-	46	-	21	67	-	-	-	14	14	-	-	-	11	11	25	52.08			
10.	M.Sc. (Final)	23	-	64	26	90	-	-	2	19	21	-	-	1	15	16	37	63.15			
11.	M.Sc. (Gol.)	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	100.00%			
12.	F.Y.. B.Com	2555	76	1608	947	2555	-	-	2	292	294	-	-	-	240	240	534	26.27			
13.	Sy.B.Com	1637	93	960	677	1637	-	-	-	223	223	-	-	-	203	203	426	32.59			
14.	T.Y. B.Com	1180	67	684	496	1180	-	-	4	102	106	-	-	1	67	68	174	22.08			
15.	M.Com (Prev)	381	1	199	182	381	-	-	-	54	54	-	-	-	66	66	120	47.61			
16.	M.Com (Final)	107	2	260	228	488	-	-	4	70	74	-	-	5	81	86	160	57.97			
17.	P.G. Dip. in Banking	6	3	2	4	6	-	-	-	-	-	-	-	1	-	1	1	33.33			
18.	F.S. of F.Y. Bsc. (Tech)	9	1	8	-	8	-	-	-	6	6	-	-	-	-	-	6	75%			
19.	S.S. F.Y. B.Sc. (Tech)	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
20.	S.S. of S.Y. B.Sc. (Tech)	11	-	11	-	11	-	-	-	7	7	-	-	-	-	-	7	63.63			
21.	D.D. of Dy. (Yrvi)	3	3	-	3	-	3	-	2	2	2	-	-	-	-	-	2	66.6			
22.	F.S. of T.Y. B.Sc. (Tech)	8	-	8	-	8	-	-	-	8	8	-	-	-	-	-	8	100.00%			
23.	F.S. of B.Sc. DTC	14	1	13	-	13	-	-	9	9	-	-	-	-	-	-	9	69.23			
24.	F.S. of F.Y. DTC	30	2	25	3	28	-	-	-	6	6	-	-	-	1	1	7	25%			
25.	S.S. of F.Y. DTC	11	1	10	-	10	-	-	-	2	2	-	-	-	-	-	2	20.00			
26.	G.S. S.Y. DTC	18	-	17	1	18	-	-	-	8	8	-	-	-	-	-	8	44.44			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
27.	S.S.S.Y. DTC		6	2	4	-	4	-	-	-	3	3	-	-	-	-	-	3	75%
28.	F.s.of Tof.Y. DTC		20	1	18	1	19	-	-	-	16	16	-	-	-	1	1	17	89.47
29.	S.S.of T.Y. DTC		4	-	4	-	4	-	-	-	2	2	-	-	-	-	-	2	50
30.	F.S.of F.Y. DTT		32	-	29	3	32	-	-	-	11	11	-	-	-	1	1	12	37.50
31.	S.S.of F.Y. DTT		8	-	8	-	8	-	-	-	1	1	-	-	-	-	8	1	12.50
32.	F.S.S.Y. DTT		18	-	16	2	18	-	-	-	10	10	-	-	-	2	2	12	66.66
33.	S.S.of S.Y. DTT		12	1	11	-	11	-	-	-	3	3	-	-	-	-	-	3	27.27
34.	F.S.of T.Y. DTT		21	1	20	-	20	-	-	-	16	16	-	-	-	-	-	16	80%
35.	S.S.of T.Y. DTT		3	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100.00%
36.	F.S. of Msc (Geo. Tech)		3	-	2	1	3	-	-	-	2	2	-	-	-	1	1	3	100.00%
37.	M.E.P.I.		123	5	110	8	118	-	-	-	98	98	-	-	2	13	13	21	87.5%
38.	Thirids M.Sc. (App. Maths)		24	-	9	15	24	-	-	-	8	8	-	-	2	13	13	21	87.5%
39.	F.S. of P.G. Dip. in DCA		20	1	12	7	19	-	-	-	11	11	-	-	-	6	6	17	89.47%
40.	F.S. of P.G. Dip. in Env. Sci.		15	1	7	7	14	-	-	-	5	5	-	-	-	6	6	11	78.57%
41.	F.S. of P.G. Dip. in Geo. Tech		2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100.00%
42.	F.S. of M.Sc. (App. Phy.)		27	-	16	11	27	-	-	-	12	12	-	-	-	11	11	23	85.18
43.	S.S. of M.Sc. (App. Phy.)		16	2	14	-	14	-	-	-	6	6	-	-	-	4	4	17	42.86
44.	III M.Sc. (App. Phy)		25	1	20	4	24	-	-	-	13	13	-	-	-	4	4	17	70.83
45.	IV M.Sc. (App. Phy.)		2	-	1	1	2	-	-	1	1	1	-	-	1	-	1	2	100
46.	F.S. M.Sc. (App. Chem.)		33	2	18	13	31	-	-	-	17	17	-	-	-	13	13	30	96.77
47.	S.S. M.Sc. (App. Chem.)		1	-	-	1	1	-	-	-	-	-	-	-	-	1	1	1	100.00%
48.	M.E.P. III		22	2	18	2	20	6	10	2	-	18	1	1	-	-	2	20	100.00%
49.	F.S. M.Sc. (App. Maths)		46	5	16	25	41	-	-	-	7	7	-	-	-	15	15	22	53.66
50.	SS. M.Sc. (App. Maths)		7	4	2	1	3	-	-	-	1	1	-	-	-	1	1	2	66.66
51.	III Sem M. sc (Geo Tech)		1	-	1	-	1	-	1	-	-	1	-	-	-	-	-	1	100.00%
52.	III Sem. M. Pharm		5	-	3	2	5	2	1	-	-	3	1	1	-	-	2	5	100.00%
53.	F.S. MCA - II		29	-	20	9	29	-	-	-	20	20	-	-	-	9	9	29	100.00%
54.	F.S. MCA III		30	-	19	1	30	-	-	-	19	19	-	-	-	11	11	30	100.00%
55.	F.S. PG Dip. Solid State Electro)		5	1	2	2	4	-	-	-	2	2	-	-	-	2	2	4	100.00%
56.	M.E.P. II		5	1	4	-	4	-	-	-	2	2	-	-	-	-	-	2	50
57.	III S. M.Sc. (App. Chem.)		27	-	14	13	27	-	-	-	14	14	-	-	-	13	13	27	100.00%
58.																			
59.	S.s. PG Dip. Coms App.		3	-	3	-	3	-	-	1	-	1	-	-	-	-	-	1	33.33
60.	S.S. MCAP I		1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	100.00%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
61.	F.S. PG Dip. Cero. Tech		1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	100.00%
62.	F.S. M. Pharma I		5	-	2	3	5	-	-	-	2	2	-	-	-	3	3	5	100.00%
63.	M. Text P.I.		8	2	2	4	6	-	-	-	2	2	-	-	-	4	4	6	100.00%
64.	F.S. M.Sc. (Geo Tech.)		3	-	2	1	3	-	-	-	2	2	-	-	-	1	1	3	1-00.00%
65.	F.Sem. B.E.I. (Electro)		23	-	20	03	23	-	-	-	14	14	-	-	-	03	03	17	73.91%
66.	S.Sem. B.E.I. (Electro)		14	01	13	01	14	-	-	-	07	07	-	-	-	01	01	08	61.53%
67.	F.Sem. B.E.II. (Electro)		24	01	21	02	23	-	-	-	10	10	-	-	-	-	-	10	47.61%
68.	S.Sem. B.E.II. (Electro)		12	-	09	03	12	-	-	-	07	07	-	-	-	03	03	10	83.33%
69.	I.Sem. B.E.I III (Electro)		16	01	12	03	15	-	-	-	10	10	-	-	-	02	02	12	80%
70.	S.Sem. B.E.I. III (Electro)		03	01	02	-	02	-	-	01	01	02	-	-	-	-	-	02	100.00%
71.	I Sem. of B Pharm - I		30	02	11	19	30	-	-	-	08	08	-	-	-	14	14	22	78.57%
72.	I Se. of B. Pharm - I		10	01	03	07	10	-	-	-	-	-	-	-	-	03	03	03	33.33%
73.	I Sem. of B. Pharm - II		27	-	13	14	27	-	-	-	07	07	-	-	-	15	15	22	81.48%
74.	II Sem. of B Pharma II		07	-	06	01	07	-	-	-	03	03	-	-	-	01	01	04	57.14%
75.	Sem. of B Pharma - III		22	-	10	12	22	-	-	-	02	02	-	-	-	10	10	12	54.54%
76.	II Sem. of B Pharma - III		04	-	02	02	04	-	-	-	01	01	-	-	-	02	02	03	75%
77.	I Sem. of B Pharma IV		32	-	09	23	32	-	-	-	09	09	-	-	-	23	23	32	100.00%
78.	II Sem. of B Pharma IV		01	-	01	-	01	-	-	-	-	-	-	-	-	-	-	-	-
79.	I Sem. f B. Arch I		43	-	25	18	43	-	-	-	17	17	-	-	-	17	17	34	79.06%
80.	II Sem. of B Arch I		05	01	06	-	06	-	-	-	05	05	-	-	-	-	-	05	100.00%
81.	I Sem. of B Arch II		41	01	21	20	41	-	-	-	12	12	-	-	-	17	17	29	72.50%
82.	II Sem. of B Arch II		09	01	05	04	09	-	-	-	03	03	-	-	-	02	02	05	62.50%
83.	I Sem. of B Arch III		47	-	16	31	47	-	-	-	11	11	-	-	-	24	24	35	74.46%
84.	I Sem. B Arch III		16	-	09	07	16	-	-	-	07	07	-	-	-	05	05	12	75%
85.	I Sem. of B Arch IV		36	-	16	20	36	-	-	-	16	16	-	-	-	20	20	36	100.00%
86.	II Sem. of B Arch IV		06	-	03	03	06	-	-	-	01	01	-	-	-	02	02	03	50%
87.	I Sem. of B Arch V		29	-	13	16	29	-	-	-	06	06	-	-	-	16	16	22	75.86%
88.	II Sem. of B Arch V		05	-	03	02	05	-	-	-	01	01	-	-	-	02	02	03	60%
<b>Sem. of BEI</b>																			
89.	Civil		137	-	107	30	137	-	-	-	65	65	-	-	-	15	15	80	-
90.	IWM		28	-	24	04	28	-	-	-	17	17	-	-	-	03	03	20	-
91.	Mech.		106	-	92	14	106	-	-	-	79	79	-	-	-	08	08	87	-
92.	Ind. Engg.		01	-	01	-	-	01	-	-	-	-	-	-	-	-	-	-	-
93.	Electrical		79	-	69	10	79	-	-	-	54	54	-	-	-	08	08	62	-
94.	Electronics		41	-	37	04	41	-	-	-	28	28	-	-	-	04	04	32	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
95.	Chemical	43	-	38	05	43	-	-	-	27	27	-	-	-	03	03	30	-	
96.	Met.	55	-	48	07	55	-	-	-	24	24	-	-	-	05	05	29	-	
97.	Computer	77	-	45	32	77	-	-	-	31	31	-	-	-	22	22	53	-	
<b>II Sem. of BE I</b>																			
98.	Civil	49	-	35	14	49	-	-	-	21	21	-	-	-	10	10	31	-	
99.	IWM	13	-	13	-	13	-	-	-	07	07	-	-	-	-	-	07	-	
100.	Mech.	30	-	29	01	30	-	-	-	16	16	-	-	-	01	01	17	-	
101.	Ind. Chem.	09	-	06	03	09	-	-	-	02	02	-	-	-	02	02	04	-	
102.	Elect.	48	-	42	06	48	-	-	-	19	19	-	-	-	04	04	23	-	
103.	Electronics	18	-	17	01	18	-	-	-	09	09	-	-	-	01	01	10	-	
104.	Chemical	12	-	11	01	12	-	-	-	07	07	-	-	-	-	-	07	-	
105.	Met.	25	-	21	04	25	-	-	-	11	11	-	-	-	03	03	14	-	
106.	Computer	30	-	20	10	30	-	-	-	07	07	-	-	-	04	04	11	-	
<b>I Sem. of BE II</b>																			
107.	Civil	114	-	84	30	114	-	-	-	53	53	-	-	-	25	25	78	-	
108.	IWM	17	-	16	01	17	-	-	-	09	09	-	-	-	-	-	09	-	
109.	Mech.	84	-	78	06	84	-	-	-	49	49	-	-	-	03	03	52	-	
110.	End. Cnrgg.	22	-	15	07	22	-	-	-	09	09	-	-	-	03	03	12	-	
111.	Elect.	80	-	69	11	80	-	-	-	47	47	-	-	-	08	08	55	-	
112.	Electro	49	-	43	06	49	-	-	-	36	36	-	-	-	06	06	42	-	
113.	Chemical	39	-	35	04	39	-	-	-	21	21	-	-	-	02	02	23	-	
114.	Met	43	-	38	05	43	-	-	-	24	24	-	-	-	03	03	27	-	
115.	Computer	52	-	35	17	52	-	-	-	17	27	-	-	-	14	14	31	-	
<b>II Sem of BE II</b>																			
116.	Civil	28	-	27	02	29	-	-	-	16	16	-	-	-	01	01	17	-	
117.	IWM	11	-	09	02	1	-	-	-	04	04	-	-	-	01	01	05	-	
119.	Ind. Engg.	03	-	03	-	03	-	-	-	-	-	-	-	-	-	-	-	-	
120.	Elect.	20	-	16	04	20	-	-	-	05	05	-	-	-	02	02	07	-	
121.	Electro	03	-	02	01	03	-	-	-	-	-	-	-	-	01	01	01	-	
122.	Chemical	06	-	05	01	06	-	-	-	01	01	-	-	-	01	01	02	-	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
123. Met.	16	-	14	02	16	-	-	-	-	-	02	02	-	-	-	01	01	03	-	
124. Computer	26	-	25	01	26	-	-	-	-	-	02	02	-	-	-	-	-	11	-	
<b>I Sem. of B.E. III</b>																				
125. (Civil)	98	-	77	21	98	-	-	-	-	-	62	62	-	-	-	19	19	81	-	
126. IWM	19	-	14	05	19	-	-	-	-	-	10	10	-	-	-	04	04	14	-	
127. Mech.	90	-	84	06	90	-	-	-	-	-	73	73	-	-	-	04	04	77	-	
128. Ind. Engg.	20	-	15	05	20	-	-	-	-	-	14	14	-	-	-	05	05	19	-	
129. Elect.	75	-	68	07	75	-	-	-	-	-	52	52	-	-	-	04	04	56	-	
130. Electro	37	-	29	08	37	-	-	-	-	-	23	23	-	-	-	06	06	29	-	
131. Chemical	43	-	36	07	43	-	-	-	-	-	31	31	-	-	-	06	06	37	-	
132. Met.	42	-	34	08	42	-	-	-	-	-	29	29	-	-	-	07	07	36	-	
133. Computer	57	-	37	20	57	-	-	-	-	-	33	33	-	-	-	19	19	52	-	
<b>II Sem. of BE III</b>																				
134. Civil	11	-	10	01	11	-	-	-	-	-	05	05	-	-	-	01	01	05	-	
135. IWM	04	-	03	01	04	-	-	-	-	-	02	02	-	-	-	01	01	03	-	
136. Mech.	17	-	13	04	17	-	-	-	-	-	04	04	-	-	-	02	02	06	-	
137. Ind. Engg.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138. Elect	18	-	15	03	18	-	-	-	-	-	09	09	-	-	-	02	02	11	-	
139. Electro	10	-	09	01	10	-	-	-	-	-	06	06	-	-	-	01	01	07	-	
140. Chemical	08	-	08	-	08	-	-	-	-	-	06	06	-	-	-	-	-	06	-	
141. Met.	04	-	03	01	04	-	-	-	-	-	01	01	-	-	-	-	-	01	-	
142. Computer	23	-	22	01	23	-	-	-	-	-	13	13	-	-	-	01	01	14	-	
<b>I Sem. of BE IV</b>																				
143. Civil	119	-	100	19	119	-	-	-	-	-	85	85	-	-	-	20	20	105	-	
144. IWM	17	-	13	04	17	-	-	-	-	-	12	12	-	-	-	04	04	16	-	
145. Mech.	103	-	93	10	103	-	-	-	-	-	88	88	-	-	-	10	10	98	-	
146. Ind. Engg.	25	-	22	03	25	-	-	-	-	-	20	20	-	-	-	10	10	98	-	
147. Elect.	85	-	74	11	85	-	-	-	-	-	66	66	-	-	-	09	09	75	-	
148. Electro	45	-	41	04	45	-	-	-	-	-	31	31	-	-	-	04	04	35	-	
149. Chemical	33	-	30	03	33	-	-	-	-	-	28	28	-	-	-	03	03	31	-	
150. Met.	38	-	32	06	38	-	-	-	-	-	31	31	-	-	-	05	05	36	-	
150A Computer	62	-	54	08	62	-	-	-	-	-	39	39	-	-	-	08	08	47	-	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>II Sem. of BE IV</b>																			
151. Civil	05	-	05	-	05	-	05	-	-	01	-	01	-	-	-	-	-	01	-
152. IWM	01	-	01	-	01	-	01	-	01	-	-	-	-	-	-	-	-	01	-
153. Mech	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154. Ind. Engg.	01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155. Elect.	09	-	09	-	09	-	09	-	01	01	01	03	-	-	-	-	-	03	-
156. Electro	02	-	02	-	02	-	02	-	-	-	-	-	-	-	-	-	-	-	-
157. Chem.	03	-	03	-	03	-	03	-	-	-	01	01	-	-	-	-	-	01	-
158. Met.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159. Computer	02	-	02	-	02	-	02	-	-	01	01	02	-	-	-	-	-	02	-
<b>I Sem of BE IV PTD</b>																			
160. Civil	23	-	23	-	23	-	23	-	-	-	19	19	-	-	-	-	-	19	-
161. Mech.	40	-	40	-	40	-	40	-	-	-	33	33	-	-	-	-	-	33	-
162. Elect.	36	-	35	01	36	-	36	-	-	-	17	17	-	-	01	01	01	18	-
<b>II Sem of BE IV PTD</b>																			
163. Civil	-	-	01	-	01	-	01	-	01	-	-	01	-	-	-	-	-	01	-
164. Mech	-	-	04	-	04	-	04	-	01	-	-	01	-	-	-	-	-	01	-
165. Elect.	-	-	11	-	11	-	11	-	-	01	01	02	-	-	-	-	-	02	-
167. M.A. Part I	611	40	223	348	571	-	571	-	-	-	194	194	-	-	-	254	254	440	81.18%
188. M.A. Part - II	524	34	216	274	490	01	490	01	30	83	105	219	-	10	91	75	176	395	86.5%
169. M.A. Part - I	101	31	57	13	70	-	70	-	-	-	14	14	-	-	-	13	13	27	39.13%
170. M.A. Part II	48	19	19	10	29	-	29	-	-	01	04	05	-	-	05	05	10	15	51.72%
171. M.A. Part - I	101	31	57	13	70	-	70	-	-	-	14	14	-	-	13	13	27	27	39.13%
172. F.S. of B. Arch - I	08	02	04	02	06	-	06	-	-	-	02	02	-	-	-	01	01	03	50%
173. F.S. of B. Arch - I	42	01	23	18	41	01	41	01	05	10	-	16	-	10	08	-	18	34	82.92%
174. F.S. of B. Arch II	12	02	02	08	10	-	10	-	-	-	03	03	-	-	-	05	05	08	80.00%
175. S.S. of B. Arch II	50	02	19	29	48	01	48	01	04	08	01	14	-	03	15	06	24	38	80.85%
176. F.S. B. Arch III	07	01	05	01	06	-	06	-	-	-	05	05	-	-	-	-	-	05	83.33%
177. S.S. of B. Arch III	44	02	20	22	42	-	42	-	-	10	01	11	-	02	11	01	14	25	60.97%
178. S.S. of B. Arch IV	29	-	13	16	29	-	29	-	-	07	01	08	-	04	09	-	13	21	72.41
179. F.S. of B. Arch V	03	-	02	01	03	-	03	-	-	-	02	02	-	-	-	-	01	03	100.00%
180. S.S. of B. Arch V (Final)	38	01	18	19	37	01	37	01	02	09	03	15	-	05	11	01	27	32	86.48%



## Appendix - XIV

### I. List of Degree/Diploma Conferred at the Supplimentry Convocation held on 26.6.1993

Sr.No.	Degree	No. of Candidates	Sr.No.	Degree	No. of Candidates
1.	Ph. D. (Arts.)	07	23.	D.V. & D	01
2.	Ph. D. (Science)	08	24.	D. G. O.	03
3.	Ph. D. (Edu. & Psy.)	01	25.	D. O.	01
4.	Ph. D. (Commerce)	02	26.	T.D.D.	01
5.	Ph.D. (Tech. & Eng.)	04	27.	M.E.	25
6.	Ph. D. (Home Science)	02	28.	M. Text.	01
7.	M. D.	25	29.	M. Pharm	07
8.	M. S.	13	30.	MSc. App. Chem.	24
9.	M. Phil. (Arts)	03	31.	M. Sc. App. Phy.	05
10.	M. A.	12	32.	M. Sc. (Tech.) Geo.	04
11.	B. A.	35	33.	B.E.	20
12.	P.G. Dip. in Linguistics	02	34.	B. Arch.	02
13.	M. Sc.	17	35.	P.G. Dip. in Comp. App.	01
14.	B. Sc.	129	36.	L.L. B. (Special)	03
15.	M. Com.	14	37.	L.L. B. (General)	15
16.	B. Com.	180	38.	D. T. P.	05
17.	Dip in Banking	01	39.	D. L. P.	05
18.	M. Ch. (Plastic)	01	40.	M. Phil. (Home Science)	03
19.	M.B.B.S.	134	41.	M. Sc. (Home)	09
20.	D. A.	03	42.	B. Sc. (Home)	08
21.	D. C.P.	02	43.	M. S. W.	01
22.	D.M.R.D.	01	44.	I.R.P.M.	01

### II. List of Degree/Diploma Conferred at the Forty-Second Annual Convocation (93-94) held on 21-1-1994

Sr.No.	Degree	No. of Candidates	Sr.No.	Degree	No. of Candidates
1.	Ph. D. (Arts)	03	15.	Bachelor of Lib & Inf. Sc.	24
2.	Ph. D. (Science)	15	16.	M. Sc.	256
3.	Ph. D. (Edu. & Psy.)	05	17.	B.Sc.	656
4.	Ph. D. (Medicine)	01	18.	Dip. in App. Quarternary Geology	02
5.	Ph.D. (Tech. & Engg.)	07	19.	Dip. in Cartography	06
6.	Ph.D. (Home Science)	02	20.	M. Phil(Edu. & Pay.)	01
7.	M.D.	29	21.	M.Ed.	06
8.	M.S.	14	22.	B.Ed	151
9.	M.Phil. (Arts)	03	23.	Dip. in Clinical & Com. Psy.	13
10.	M.A.	417	24.	P.G. Dip. in H.R.D.	43
11.	Acharya	02	25.	M. Com.	282
12.	Master of Lib. & Inf.Sc.	02	26.	B. Com.	2101
13.	B.A.	679	27.	P.G. Dip. in Banking	15
14.	Shastri	04			

Sr.No.	Degree	No. of Candidates	Sr.No.	Degree	No. of Candidates
28.	M.B.A.	..... 25	50.	B. Arch	..... 34
29.	Bachelor of Journalism & Communication	..... 12	51.	B. Pharm	..... 25
30.	M.Ch. (Plastic)	..... 01	52.	B. Sc. (Tech) - Text.	..... 03
31.	M.Sc. (Medical)	..... 01	53.	P.G. Dip. in Environmental Sc.	..... 15
32.	M.B.B.S.	..... 59	54.	P.G. Dip. in Geotechniques	..... 03
33.	B.Physio	..... 16	55.	P.G. Dip. in Solid State Electro.	..... 09
34.	D.A.	..... 04	56.	P.G. Dip. in Computer Application	..... 24
35.	D.V. & D.	..... 02	57.	LL.M.	..... 03
36.	D.M.R.D.	..... 01	58.	LL.B. (Special)	..... 28
37.	T.D.D.	..... 03	59.	LL.B. (General)	..... 49
38.	D.C.P.	..... 03	60.	D.T.P.	..... 48
39.	D.G.O.	..... 05	61.	D.L.P.	..... 21
40.	D.L. & O.	..... 02	62.	M.A. (Fine)	..... 36
41.	M.E.	..... 19	63.	B.A. (Fine)	..... 37
42.	M. Text. Engg.	..... 03	64.	M.Sc. (Home)	..... 40
43.	C.A.	..... 32	65.	B.Sc. (Home)	..... 140
44.	M.Sc. (Applied Physics)	..... 17	66.	P.G. Dip. in Pre-School Edu.	..... 24
45.	M.Sc. (Applied Mathematics)	..... 22	67.	Dip. in Extension Edu.	..... 02
46.	M.Sc. (Applied Chemistry)	..... 04	68.	M.S.W.	..... 30
47.	B.E./B.E. (PTD)	..... 517	69.	I.R.P.M.	..... 14
48.	B. Text. (Engg.)	..... 22	70.	M.P.A.	..... 13
49.	B. Text. (Tech.)	..... 24	71.	B.P.A.	..... 42

# Appendix - XV

## Gold Medals Awarded at the Forty-Second Annual Convocation

### FACULTY OF ARTS

- |    |  |   |                                      |
|----|--|---|--------------------------------------|
| 1. | Smt. Hansa Mehta Gold Medal  | : | Shri Pradeep Ravunnikutty Nair       |
| 2. | Rao Bahadur Govindbhai Hathibhai Desai Memorial Gold Medal               | : | Shri Wilfred Aboki Omari             |
| 3. | Shakespeare society Prof. V.Y. Katak Gold Medal                          | : | Kumari Rita Shivram Gupta            |
| 4. | Mohanlal Hargovindas Kantawala Gold Medal                                | : | Kumari Hiral Shantilal Sharma        |
| 5. | Prof. K.S. Desai Gold Medal  | : | Kumari Monica Kuldip Bhanot          |
| 6. | Shri Vakil Nanalal Mohanlal Parikh Mahavastra Gold Medal                 | : | Kumari Swetaben Chandubhai Prajapati |
| 7. | Hari Om Ashram Sponsored Pujya Rang Avadhut Smarak Trust Fund Gold Medal | : | Kumari Ketana Narendrakumar Dave     |
| 8. | Shri Janardan C. Mehta Gold Medal  | : | Shri Pradeep Ravunnikutty Nair       |
| 9. | Smt. Kokilaben & Shri Markandray Vinayakray Desai Gold Medal             | : | Kumari Swetaben Shrikant Kaluskar    |

### FACULTY OF SCIENCE

- |     |  |   |                                     |
|-----|--|---|-------------------------------------|
| 10. | Dr. V.V. Modi Gold Medal                       | : | Kumari Aadra Arun Potnis            |
| 11. | Vaidya Narayanrao Wamanrao Hardikar Gold Medal | : | Kumari Anjali Satishchandra Misra   |
| 12. | Dr. C.S. Patel Gold Medal                      | : | Kumari Anita Shrikant Jain          |
| 13. | Prof. S.M. Sethna Memorial Gold Medal          | : | Kumari Devki Bipinbhai Desai        |
| 14. | Dr. V.N. Kulkarni Memorial Gold Medal          | : | Shri Manish Atmprakash Mamtani      |
| 15. | Shri Ranchhodlal Chhotalal Shah Gold Medal     | : | Kumari Sarita Yashwant Paradker     |
| 16. | Dr. A.N. Kachhy Memorial Gold Medal            | : | Shri Vinay Bhimraokrishna Tergankar |
| 17. | Prof. N.M. Bhatt Gold Medal                    | : | Shri Hitesh Ambalal Patel           |
| 18. | Prof. J.G. George Gold Medal                   | : | Kumari Jai Vijaykumar Sule          |
| 19. | Dr. V.G. Pathak Gold Medal                     | : | Kumari Srividya Hariharan Iyer      |
| 20. | Principal Avasare Memorial Gold Medal          | : | Kumari Poonam Gurbax Karamchandani  |
| 21. | Prof. S.M. Sethna Memorial Gold Medal          | : | Shri Mandar Manohar Deodhar         |
| 22. | Prof. N.S. Pandya Gold Medal                   | : | Shri Himanshu Ashvinkumar Shah      |
| 23. | Prof. V.M. Shah Gold Medal                     | : | Kumari Sonia Jagjitsingh Sodhi      |

### FACULTY OF EDUCATION & PSYCHOLOGY

- |     |                               |   |                                   |
|-----|-------------------------------|---|-----------------------------------|
| 24. | The Chancellor's Gold Medal   | : | Kumari Anna Neena George          |
| 25. | Silver Jubilee Gold Medal     | : | Kumari Geetha Venkateshwaran Iyer |
| 26. | Prof. T.K.N. Menon Gold Medal | : | Kumari Anna Neena George          |
| 27. | Prof. S.N. Mukerji Gold Medal | : | Kumari Sujata R.N. Srivastava     |

**FACULTY OF COMMERCE**

28.	Professor V.Y. Kolhatkar Gold Medal	:	Kumari Bhavna Khimjibhai Shah
29.	Co-Operative Bank of Baroda Ltd. Gold Medal	:	Kumari Laishangbam Shanchanrani Devi L.
30.	Kumari Parul Nanalal Chokshi Gold Medal	:	Kumari Rakhi Sushanta Banerjee
31.	Professor V.Y., Kolhatkar Gold Medal	:	Kumari Neha Chandrakant Parikh
32.	Amita Vishnuprasad Vyas Memorial Gold Medal	:	Kumari Neha Chandrakant Parikh

**FACULTY OF MEDICINE**

33.	Dr. (Smt.) Indumati Thakorbbhai Patel Memorial Gold Medal	:	Kumari Sucheta Harin Munshi
34.	Smt. Susmita Patel Memorial Gold Medal	:	Kumari Sucheta Harin Munshi
35.	Dr. Manilal Lallubhai Parikh Gold Medal	:	Kumari Scucheta Harin Munshi
36.	Dr. (Smt.) Indumati Thakorbbhai Patel Memorial gold Medal	:	Kumari Sucheta Harin-Munshi
37.	Dr. (Smt.) Krishnabhai Patil Gold Medal	:	Kumari Sucheta Harin Munshi
38.	Vijayagauri & Late Vinayakray Yagnik Gold Medal	:	Kumari Sucheta Harin Munshi
39.	Dr. Tapiday Memorial Gold Medal	:	Shri Monish Raminderkumar Malhotra
40.	Medical Examination Board Gold Medal	:	Shri Sishir Dasrathmal Gang
41.	Mrudula Nanalal Chokshi Gold Medal	:	Shri Dharmendra Gokaldas Kesaria
42.	Dr. Arvinda Nanalal Chokshi Gold Medal	:	Shri Govinda Namitha Cunniah

**FACULTY OF TECHNOLOGY & ENGINEERING**

43.	Dr. S.M. Sen Gold Medal	:	Shri Ravindra Yeshwantrao Dongre
44.	Shri K.H. Patel Gold Medal	:	Kumari Ami Sureshchandra Desai
45.	Paramount Gold Medal	:	Kumari Shilpa Surendramohan Kukreja
46.	Bihari Chetan gold Medal	:	Shri Ashish Janakrai Bhatt
47.	Express Group Gold Medal	:	Shri Sanjay Kumudray Shah
48.	Sayaji Iron Gold Medal	:	Shri Sanjay Kumudray Shah
49.	Visnagar Taluka Majoor Sahakari Mandali Ltd. Gold Medal	:	Shri Sanjay Kumudray Shah
50.	Principal S.B. Junnarkar Gold Medal	:	Shri Sanjay Kumudray Shah
51.	Late Prof. (Dr.) Piyush Parikh Memorial Gold Medal	:	Shri Sanjay Kumudray Shah
52.	Dr. Jyotindra Mehta Gold Medal	:	Shri Hiren Ghanshyambhai Patel
53.	Banco Faoundation Gold Medal	:	Shri Abhijit Arvind Joshi
54.	Shri C.M. Patel Memorial Gold Medal	:	Shri Aliasgar Hebutullah Jariwala
55.	Professor P.J. Madan Gold Medal	:	Shri Tushar Prakash Teredesai
56.	Professor S.K. Roy Gold Medal	:	Shri Tushar Prakash Teredesai
57.	Shrimati Neelima Sudhalkar Memorial Gold Medal	:	Shri Tushar Prakash Teredesai
58.	Shri C.M. Patel Memorial Gold Medal	:	Shri Jay Ajitbhai Kapadia

59.	Ashok Organic Industries Ltd. Gold Medal	:	Shri Jay Ajitbhai Kapadia
60.	Prof. D. Subbarao Memorial Gold Medal	:	Shri Damnishsingh Ajaibsingh Puri
61.	Shri Ramlubhaya Malhotra gold Medal	:	Shri Damnishsingh Ajaibsingh Puri
62.	Shri J.N. Patel Memorial gold Medal	:	Shri Damnishsingh Ajaibsingh Puri
63.	Shri C.L. Shastri Metallurgical Department Silver Jubilee and Kalabhavan Centenary Gold Medal	:	Shri Damnishsingh Ajaibsingh Puri
64.	Principal C.H. Vora Memorial Gold Medal in Electronics	:	Shri Ashish Nandlal Chandak
65.	Shri Padmakant Kanaiyalal Charitable Trust Bombay Gold Medal	:	Shri Ashish Nandlal Chandak
66.	Miss Anupama Malik Memorial Gold Medal	:	Shri Hiren Suresh Dalal
67.	Shri B.V. Patel Memorial Gold Medal	:	Kumari Mridul Nagesh Bangera
68.	Sheth Chimanlal Girdharlal Gold Medal	:	Shri Hitesh Upendra Bhonde
69.	Dr. S.J. Shah Gold Medal	:	Shri Hitesh Upendra Bhonde
70.	Dr. S.J. Shah Gold Medal	:	Shri Ashwin Pravinchandra Bardoliwala
71.	Shrimati Hansa Mehta Gold Medal	:	Shri Harsh Hemant Parikh
72.	Prof. M.B. Dave Memorial Gold Medal	:	Shri Harsh Hemant Parikh
73.	Rupal K. Engineer Memorial Gold Medal	:	Shri Sandip Shripad Vaidya
74.	Prof. (Dr.) Padmini Agarwal Gold Medal	:	Kumari Anupama Harinarayan Gautam

#### FACULTY OF LAW

75.	Justice Chaturbhai N. Patel Memorial Gold Medal	:	Shri Milind Gajanan Thakar
76.	Vakil Dahyabhai Maganlal Parikh Gold Medal	:	Shri Hasit Dilip Dave
77.	Sir Mehbub I. Kadri Memorial Gold Medal	:	Shri N. Mani M. Natarajan
78.	Vakil Narhar B. Khidkikar Gold Medal	:	Shri N. Mani M. Natarajan
79.	Gunvantrai Girdharrai Majmudar Gold Medal	:	Kumari Athman Khadija Abdillahi

#### FACULTY OF FINE ARTS

80.	Shri Babubhai Patel Diamond Jubilee Gold Medal	:	Shri Raju Kanaiyalal Kahar
81.	C.R. Dasgupta Memorial Gold Medal	:	Kumari Hande H. Archana

#### FACULTY OF HOME SCIENCE

82.	Smt. Ichhagauri Kuverji Naik Gold Medal	:	Kumari Pranami Amit Mehd
83.	Dr. Leela Shah Memorial Gold Medal	:	Kumari Anita Suratsingh Yadav

#### FACULTY OF SOCIAL WORK

84.	Rao Bahadur Ramlalbai Hiralalbai Desai Memorial Gold Medal	:	Shri Sandeep Dattatray Kulkarni
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**FACULTY OF PERFORMING ARTS**

- |     |  |   |   |
|-----|--|---|---|
| 85. | Sangeet Martand Shri Omkarnath Gold Medal-<br>Municipal Corporation, Baroda. | : | Kumari Sonal Yogesh Pandya                |
| 86. | Acharya Allauddin Music Circle Gold Medal                                    | : | Shri Wilson Jayanand Emmanuel             |
| 87. | Dr. Maganbhai Shivabhai Patel Memorial Gold Medal                            | : | Kumari Shailaja Kantilal Shukla           |
| 88. | Smt. Anjali Merh Memorial Gold Medal   | : | Kumari Shailaja Kantilal Shukla           |
| 89. | Late Smt. Chandrakala Gangani Memorial Gold Medal                            | : | Kumari Manjiri Krishna-chandra Patwardhan |
| 90. | Shri Jayanti Dalal Memorial Gold Medal                                       | : | Kumari Mukulika Nishigandh Deshpande      |

**FACULTY OF MANAGEMENT STUDIES**

- |     |   |   |                                |
|-----|---|---|--------------------------------|
| 91. | The Gujarat Alkalies & Chemical Ltd. Gold Medal | : | Shri Rahul Krishanlal Bhutiani |
|-----|---|---|--------------------------------|

**BARODA SANSKRIT MAHAVIDYALAYA**

- |     |  |   |                                      |
|-----|--|---|--------------------------------------|
| 92. | Shri Kantibhai Vitthaldas Dalia Memorial Prize                                 | : | Shri Rajendra Kumar Dahyabhai Vaidya |
| 93. | Shri Chandulal Sampatram Acharya Memorial<br>Gold Medal                        | : | Shri Gunvantray Mulshanker Bhatt     |
| 94. | Veda Shastra Sampanna Laxminath Badrinath Shastri<br>Memorial Fund Mahavastra. | : | Shri Gunvantray Mulshanker Bhatt     |

## Appendix - XVI

### List of Students Awarded Ph.D. Degree during 1993-94

Sr. No.	Name of the Candidate	Subject	Title of the Thesis
<b>FACULTY OF ARTS</b>			
1.	Shri Omprakash Mohanprasad Yadav	Ph.D. in Hindi	Sathottari Hindi Kavya Main Pauranic Akhyano ki Prasangik Prastutiyan
2.	Smt. Shanno Devi Ravi Dutt Misra	Ph.D. in Hindi	प्रतीक नाटक: सामाजिक और राजनैतिक अभिव्यक्ति ।"
3.	Shri Soman Philip Chacko	Ph.D. in Political Science	"Grass Roots Leadership and Rural Development in Village Panchayats of Kerala."
4.	Shri Rabindrakumar Gadadhara	Ph.D. in Sanskrit	Anandabodha Yati : A Study
<b>FACULTY OF SCIENCE</b>			
5.	Shri Suhas Madhav Tambe	Ph.D. in Bio-Chemistry	"Study on the Characterisation and Regulation of Phylase from Klebsiella Aerogenes."
6.	Shri David Saj Mathew P.	Ph.D. in Botany	"Cultural and Pathological Studies of Certain Soil Borne Fungi."
7.	Shri Jayeshkumar Bhanuprasad Bhatt	Ph.D. in Botany	"Study on the Flora of Westerrf Kachchh."
8.	Shri JoseKutty P.C.	Ph.D. in Botany	"Selection and Characterization of Mevinol in Resistant Cell Lines of Solanum Spp."
9.	Shri Murukesam V.K.	Ph.D. in Botany	"Seasonal studies on Phloem In Leaves."
10.	Shri Pradeepkumar G.	Ph.D. in Botany	"Vegetational and Ecological Studies of Shoolpaneshwar Wild Life Sanctuary."
11.	Shri Sanat Appasahab Chavan	Ph.D. in Botany	"Vegetation and Wildlife Studies In Gir Forest."
12.	Shri Vinay Madhukarrao Raole	Ph.D. in Botany	"Studies on Endangered and Endemic Desert Texa."
13.	Kum. Anjali Shashikant Shivanekar	Ph.D. in Chemistry	"Synthesis, Characterisation and Applications Inorganic ion Exchangers."
14.	Shri Ashutosh Vasant Bedekar	Ph.D. in Chemistry	"Synthetic Transformations in Organic Chemistry."

15.	Shri Bhavna Mukesh Trivedi	Ph.D. in Chemistry	"Synthesis and Catalytic Activity of Transition Metal Schiff Base Complexes."
16.	Shri Mukesh Jayantilal Upadhyay	Ph.D. in Chemistry	"Study of Synthesis and Catalytic Activity of Some Ruthernnium (III) Complexes."
17.	Shri MD. Nuruddin Ahmed	Ph.D. in Chemistry	"Some Studies on Adsorption of Dyes on solid Surfaces."
18.	Shri Mahendrakumar Jethabhai Patel	Ph.D. in Chemistry	"Synthesis Characterisation of Thermally Stable Polymers."
19.	Kum. Paulomi Praveenchandra Shah	Ph.D. in Chemistry	"The Chemical Treatment of Coding Water."
20.	Shri Arunkumar Balwantrao Ojha	Ph.D. in Geology	"Bauxite Deposits of Jamnagar Depodits of Jamnagar District, Gujarat State."
21.	Shri Nilesh Pinakiprasad Bhatt	Ph.D. in Geology	"Quaternary Carbonate deposite of Saurashtra with Special Reference to their mode of Occurrence and Depositional Environment."
22.	Kum. Geeta Devidas Thakkar	Ph.D. in Microbiology	"Studies on Lignin, Degradation by Monacillium Indicum Saxena."
23.	Shri Rajesh Navnital patel	Ph.D. in Microbiology	"Studies on Some Aspects of Lignocellulose Biodegradation, Biobleaching and biopulping."
24.	Shri Roy Mathew	Ph.D. in Microbiology	"Studies on $\beta$ -Glucosidase from Aspergillus Terreus Thom."
25.	Shri Samir Sureshchandra Shah	Ph.D. in Microbiology	"Isolation Characterization and Potentials of Azaspirillum Lipoferum M and its Siderophore."
26.	Shri Udhav Prabhakar Kelavkar	Ph.d. in Microbiology	"Physiological and Biochemical Charges Associated with Salt Stress Condition in Aspergillusrepens."
27.	Smt. Annie Kuruvilla	Ph.D. in Physics	"Optical and Related Studies of Crystals Ammonium Hydrogen Tartrate Single Crystals."
28.	Shri Chintankumar Shantilal Patel	Ph.D. in Zoology	"Pineal, Pineal Indoles and Photappriodism in Relation to Seasonal Reproductive Functions and Metabolic Physiology of Male Ferial Blue. Rock Pigeon Columbia."
29.	Kum. Radha Dinesh Parikh	Ph.D. in Zoology	"Studies on the Role of Autonomic Regulation of Liver Metabolism."

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|-----|----------------------|------------------|---|
| 30. | Shri Saji Ommen      | Ph.D. in Zoology | "Comparative Studies on the Liver and Kidney of Rat and Pigeon."                    |
| 31. | Kum. Sirimavo Pillai | Ph.D. in Zoology | "Studies on Autonomic Nervous Regulation of Kidney Metabolism in Pigeons and Rats." |

**FACULTY OF EDUCATION & PSYCHOLOGY**

- |     |                                |                     |   |
|-----|--------------------------------|---------------------|---|
| 32. | Smt. Asha Ajitkumar Das        | Ph.D. in Education  | "Construction and Standardisation of an Interest Inventory for Higher Secondary School Students of Gujarat."  |
| 33. | Shri Dibakar Saranji           | Ph.D. in Education  | "A Study of four year Integrated Teacher Education Programme in India."   |
| 34. | Kum. M. Agnes S. Lugun         | Ph.D. in Education  | A Comparative Study of the Glow on and Burnout Tribal and Non-Tribal Teacher in the High Schools at Chota-Nagpur on some Psychological Correlates." |
| 35. | Shri Md. Delwar Hosain Shaikh  | Ph.D. in Education  | "A Study of Teaching Competency of Secondary School Science."   |
| 36. | Shri Pandaba Behera            | Ph.D. in Education  | "A Study of Continuing Education In an Indian University."  |
| 37. | Shri Sudarsan Chakra Panigrahi | Ph.D. in Education  | "A Study of Education Development of Tribals In Kalahandi District of Orissa."  |
| 38. | Shri Varghese P.P.             | Ph.D. in Education  | "A Study of the management of Autonomous College with Special focus on Innovation and Change."  |
| 39. | Smt. Anjali Srivastava         | Ph.D. in Psychology | "Effect of Co-operation & Competition upon Interpersonal Relationship."   |
| 40. | Smt. Mamta Mahapatra           | Ph.D. in Psychology | "Leadership Effectiveness with reference to Communication Process. In Organisations."   |

**FACULTY OF COMMERCE**

- |     |   |                                |  |
|-----|---|--------------------------------|--|
| 41. | Shri Dinesh Prasad<br>Vishalmani Baloni | Ph.D. in<br>Business Economics | "Analysis of Money Supply in India Scence 1971 to 1990." |
| 42. | Kum. Kusum Ganeshprasad Dobriyal        | Ph.D. in<br>Business Economics | "Unemployment in India - Issue, Policy and Perspective." |
| 43. | Shri Pramodchandra Manilal Shah         | Ph.D. in<br>Business Economics | "An Analysis of Savings Behaviour In India."             |

**FACULTY OF MEDICINE**

- |     |                                   |                  |   |
|-----|-----------------------------------|------------------|---|
| 44. | Shri Diplikumar Champaklal Master | Ph.D. in Anatomy | "Chromosomal Studies In Various Genetic Disorders In Human Beings." |
|-----|-----------------------------------|------------------|---|

**FACULTY OF TECHNOLOGY AND ENGINEERING**

45.	Shri Nareshbhai Natubhai Patel	Ph.D. in Applied Chemistry	"A Study on the effect of Industrial Environments on the Surface of Structural Steel and It's Inhibition."
46.	Kum. Veena Rupchand Techchandani	Ph.D. in Applied Chemistry	"Studies of Potential Mesogenic Materials."
47.	Shri Vijay Kantilal Patel	Ph.D. in Applied Chemistry	"Studies of Schiff Base Complexes of Transition and Non-Transition Metal Ions and Evaluation of their Applications."
48.	Shri Iqbal Ahmad A. Shaikh	Ph.D. in Applied Physics	"Ultrasonic and Allied Studies in some Liquid Crystals."
49.	Shri Rajesh Umakant purohit	Ph.D. in Applied Physics	"Study of TL. and Dosimetry Aspect of Terbium Doped NaCl."
50.	Shri Dilip Kumar Adhikari	Ph.D. in Chemical Engineering	"Microbio Dewaxing of Lubricating Oil traction and SCP. Production."
51.	Shri Parimal Amaratlal Parikh	Ph.D. in Chemical Engineering	"Studies on Shape Selective Zeolite Catalyzed Reactions."
52.	Shri Rajan Anil Sengupta	Ph.D. in Chemical Engineering	"Studies in Mass Transfer : Gas Absorption in Packed Columns."
53.	Shri Jayeshkumar Ishverlal Nanavati	Ph.D. in Mechanical Engineering	"Theoretical Prediction of Thermal Level of a Two-Bearing Assembly of Hydraulic Machines."
54.	Smt. Krutika Khanderao Sawant	Ph.D. in Pharmacy	"Formulation and Pharmacokinetic Evaluation of Target Delivery Systems Containing 5-Fluorouracil."
55.	Kum. Rajashree Chhotalal Mashru	Ph.D. in Pharmacy	"Analytical Kinetics and Stability Studies on some Important Medicine Agents."

**FACULTY OF HOME SCIENCE**

56.	Smt. Satvinder Kaur Jaswantsingh Nagi	Ph.D. in Clothing	"Development and Evaluation of a set of Instructional Material for Selected Aspects of Children's Clothing Course."
57.	Smt. Madhavi Satish Pandya	Ph.D. in Home & Textiles Science Edu. & Extension	"Relative Effectiveness of two selected Strategies namely live Programme Vs Videoed Programme of Bhavai and Exhibition Cum. Demonstration for Promotion of Solar Cooker."

## Appendix - XVII

### List of Students Awarded M.Phil. Degree during 1993-94

Sr.No.	Name of the Candidate	Subject	Title
<b>FACULTY OF ARTS</b>			
1.	Kum. Shilpa A. Desai	English	"Women" in the Novels of Alice Walker".
2.	Kum. Suchitra G. Das	English	"Time' in the Novels o Gabriel Garcia Maxques"
3.	Shri. Nanubhai K. Dakorwala	English	'Black Nationalism' in the plays of Amiri Baraka".
4.	Kum. Sangeeta M. Ukade	English	"Understanding of British Colonialism : 'A comparative Study of E.M. Forester's A passage to India and Raja Rao's Kanthapura.
5.	Smt. Charu A. Mani	English	"Canada and Women in Margaret At wood's Fiction"
6.	Shri Grijakantha Nanda	English	"The Theme of Marginality in Contemporary American Indian Fiction with special reference to the work of momaday, weich and silko"
7.	Smt. Arrati R. Majmudar	English	"Criteria esential for Assesment of Camposition"
<b>FACULTY OF EDUCATION AND PSYCHOLOGY</b>			
8.	Kavita G. Gandhi	Education	"A Study of the schools for the Deaf and Dumb in Baroda City.
<b>FACULTY OF HOME SCIENCE</b>			
9.	Kum. Jigisha A Shastri	Human Development & family Studies	"Television Viewing pattern Academic Performance and selected Cognitive skills of primary school children"
10.	Kum. Sonina Khanna	Human Development & families Study	Infant care in Gujarat, Urban, Rural and Tribal Implecations for Development.
11.	Kum. Seema Wadhwa	Human Development & Families Study	"Acquisition for Reading writing in Hindi in Primary Grades: Error Pattern Analysis"
12.	Kum. Sandhya R. Mohanty	Home Science Education and Extention	"A study on Participation of Rural Women from the Households farm of west Bengal in farming and farm Related.
13.	Kum. Shamimbanu B. Shaikh	Human Development and Family studies	"Acquisition of Reading and Writing skills An analysis of the Error Pattern."

## Appendix - XXII

### Teachers Granted Facilities for Participation in Conferences and Seminars Abroad during the year 1993-94

Sr. No.	Name and Designation of the teacher	Name, place and date of the Conference /Seminar etc.
1.	Arya A. Lecturer, Department of Botany, Faculty of Science	XVth International Botanical Congress at Japan from 28-8-93 to 3-9-1993.
2.	Aiyar S. Asstt. Professor, Department of Paediatrics,	Leadership Training Programme in Neonatology under overseas training fellowship at Chicago, U.S.A. from 2-8-93 to 1-10-93.
3.	Darji A.B. Professor, Department of Physics, Faculty of Science.	International Symposium on Molecular Spectroscopy at Columbus, Ohio State University, Ohio, U.S.A. from 14-18 June, 1993
4.	Dhake K.P. Reader, Department of Applied Physics, Faculty of Technology & Engineering.	International Symposium on Molecular Spectroscopy at University of Connecticut, Storrs, U.S.A. from 9-13 August 1993
5.	Gandotra M.M. Director, Population Research Centre, Faculty of Science	XXII General Conference of the IUSSP (International Union for the Scientific Study of Population) at Montreal, Canada from 24-8-93 to 1-9-93
6.	Gandotra V. Reader, Department of Home Management, Faculty of Home Science	7th Biennial Conference Asia Regional Association of Home Economics at Kuala Lumpur, Malaysia from 20-23 July, 1993.
7.	Nayak U. S. Asstt. Professor, Department of Paediatrics, Medical College	Leadership Training Programme in Neonatology under overseas training fellowship at Chicago, U.S.A. from 2-8-93 to 1-10-93
8.	Sabnis S.D. Professor of Botany, Pro-Vice-Chancellor	The British Council Visitorship Programme from Aug. 15 to Aug., 27, 1993 for studies on Biodiversity at the Kew Gardens, London and Environmental Impact Assesment at Edinburgh and Aberdeen.
9.	Srinivas Lecturer, Department of Physics, Faculty of Science.	International Conference on Luminescence (ICL-93) at University of Connecticut, Storrs, U.S.A. from 9-13 August, 1993.

## Appendix - XXIII

### Teachers Granted Sabbatical Leave During 1993-94

Sr.No.	Name of the Teacher & Designation	Name of the Faculty	Period of leave
1.	Elavia B.H. RBI Professor & Head, Deptt. of Banking & Finance.	Faculty of Commerce	1-4-93 to 30-9-93 and extension from 1-10-93 to 31-10-93
2.	Shukul H.C. Reader in Political Science.	Faculty of Arts	1-7-93 to 30-6-94
3.	Mehta S. Y. Professor in Gujarati	Faculty of Arts	12-7-93 to 11-7-94
4.	Rede, L. Professor in Economics.	Faculty of Arts	1-10-93 to 30-9-94

Under O.209 A

## Appendix - XXIV

### Teachers Granted Study Leave During 1993-94

Sr.No.	Name of the Teacher & Designation	Name of the Faculty	Period of Leave
1.	Wakankar S.Y. Research Officer	Oriental Institute	28-4-93 to 27-10-93 and extension from 28-10-93 to 27-1-94.
2.	Shukul M. Lecturer in Home Management.	Faculty of Home Science	13-7-93 to 12-5-94

Under 0.209 B

## Appendix - XXV

### Statement Showing Non-Teaching Staff in Various Faculties/Institutions

Sr.No.	Name of the Institution	Supervisory Posts	Clerical Posts	Peons Posts	Total
1.	University Office	44	99	45	188
2.	Office of the Journal of the M.S. University of Baroda	—	01	01	02
3.	Construction Division (all gradens)	12	25	75	112
4.	University Guest House	01	01	04	06
5.	University Health Centre	02	06	03	11
6.	Physical Education department	11	08	14	33
7.	Faculty of Arts (Including Archaeology Department) SAP, IPCL, DSA etc.	13	25	25	63
8.	Faculty of Science	07	118	83	208
9.	Faculty of Education & Psychology	02	09	08	19
10.	(CASE) Centre of Advanced Studies in Education	01	03	01	05
11.	University Experimental School	—	05	06	11
12.	Department of General Education	01	07	07	15
13.	Faculty of Commerce	02	16	31	49
14.	Faculty of Management Studies	01	05	05	11
15.	Faculty of Technology & Engineering	54	182	95	331
16.	Degree Course in Pharmacy	03	10	04	17
17.	Four Year Degree Course in Computer Science	02	—	—	02

## Appendix - XXI

### Teachers Granted Facilities for Participation in Conferences and Seminars in India during the year 1993-94

Sr. No.	Name and Designation of the teacher Department & Faculty.	Name, place and date of the Conference /Seminar etc.
1.	Agrawal S.R. Professor, Dept. of Applied Mathematics, Faculty of Technology & Engineering	Indian Science Congress at Jaipur from 3-8 January, 1994.
2.	Rasheedunnisa Begum Lecturer, Dept. of Bio-Chemistry, Faculty of Science	International Symposium on Recent Trends in Life Sciences at Hyderabad from 19-22 November, 1993.
3.	Bhatt I.D. Reader, Dept. of Psychology, Faculty of Education & Psychology	International Symposium on Multidisciplinary Perspectives on Cognition at Varanasi from 14-17 December, 1993.
4.	Dash N.R. Reader, Dept. of Geography Faculty of Science	XV Indian-Geography Congress at Utkal University, Bhubaneswar, from 4-6 November 1993. Faculty of Science.
5.	De Jayashree Reader, Dept. of Geography	XV Indian-Geography Congress at Utkal University, Bhubaneswar, from 4-6 November 1993. Faculty of Science.
6.	Devi G.N. Professor, Dept. of English, Faculty of Arts.	Seminar on Four Indian Novelists at Dhvanyaloka,, Mysore from 6-8 November, 1993.
7.	Gandhi Y. H. Lecturer, Dept. of Applied Physics, Faculty of Technology & Engineering	National Seminar on Luminescence and its Application at Bilaspur (M.P.) from 23-25 January, 1994.
8.	Gupta S. Lecturer, Dept. of Bio-Chemistry, Faculty of Science	International Symposium on Recent Trends in Life Sciences at Hyderabad from 19-22 November, 1993.
9.	Joshi T.R. Professor Head, Dept. of Applied Physics, Faculty of Technology and Engineering	National Seminar on Luminescence and its Application at Bilaspur (M.P.) from 23-25 January, 1994.
10.	Joshi U. G. Reader, Dept. of Home Science, Edu. & Extension Faculty of Home Science	Indian Science Congress at Jaipur from 3-8 January, 1994.
11.	Marfatia Y. S. Professor of Skin V.D. Medical College	VII International Congress of Dermatology at New Delhi from 26-2-94 to 2-3-94
12.	Mathane V.V. Lecturer, Dept. of Metallurgical Engineering, Faculty of Technology & Engineering	31st National Metallurgist Day at Hyderabad fro 17-20 December, 1993.

13. Murthy K.V.R.  
Lecturer, Dept. of Applied Physics,  
Faculty of Technology & Engineering  
National Seminar on Luminescence and its Application at Bilaspur (M.P.) from 23-25 January, 1994. January, 1994.
14. Nanavaty J.I.  
Reader, Department of Mechanical Engg.  
Faculty of Technology & Engineering  
20th National Conference on Fluid Mechanics & Fluid Power at Palghat (Kerala) from 15-17 December 1993.
15. Pandey H.M.  
Pradhyapak, Baroda Sanskrit Mahavidyalay  
All India Sanskrit Teachers' Conference at Bangalore from 7-9 January, 1994.
16. Pandya J.R.  
Professor, Dept. of Physics,  
Faculty of Science  
Fifth National Seminar on Crystal Growth at Madras from 18-20 November, 1993.
17. Patel N.M.  
Professor, Dept. of Applied Mechanics,  
Faculty of Technology & Engineering  
XIII International Conference on Soil Mechanics & Foundation Engineering at New Delhi from 5-10 January, 1994.
18. Pathak V.D.  
Professor, Dept. of Applied Maths.,  
Faculty of Technology & Engineering  
Second Annual Conference of Industrial and Applied Mathematics at Anna University, Madras from 23-25 February, 1994
19. Purandare M.V.  
Reader, Dept. of Psychology,  
Faculty of Education & Psychology  
Indian Science Congress at Jaipur from 3-8 January 1994.
20. Rajput S.J.  
Reader, Dept. of Pharmacy,  
Faculty of Technology & Engineering  
Seminar on Liquid Crystal at Mysore from 18-20 October, 1993.
21. Rathod J.C.  
Professor & Dean,  
Faculty of Law  
International conference on Shaping the Future by Law at Delhi from 21-25 March, 1994.
22. Raval S.R.  
Lecturer, Dept. of Metallurgical Engg.  
Faculty of Technology & Engineering  
National Symposium on Organic Reagents Synthesis and use in Extraction Metallurgy at BARC, Bombay from 9-11 February, 1994.
23. Sabnis S.D.  
Professor, Dept. of Botany  
Faculty of Science.  
Seminar Jointly organised by the Shastri Indo- Canadian Institute and the Rajiv Gandhi Institute for contemporary studies on "Economic Changes and sustainable Development" from 7 to 9 December 1993.
24. Shah N.R.  
Reader, Dept. of Physics,  
Faculty of Science.  
Shah Centenary International Symposium on Spectroscopy & Astrophysics at Allahabad from 4-6 October, 1993.
25. Shroff A.V.  
Professor, Dept. of Applied Mechanics,  
Faculty of Technology & Engineering  
XIII International Conference on Soil Mechanics & Foundation Engineering at New Delhi from 5-10 January, 1994.
26. Sureshkumar M.B.  
Lecturer, Dept. of Physics,  
Faculty of Science.  
Saha Centenary International Symposium on Spectroscopy & Astrophysics at Allahabad from 4-6 October, 1993.
27. Talesra H.  
Reader, in Education,  
Faculty of Education & Psychology  
81st Session of the Indian Science Congress Association at Jaipur from 3-8 January, 1994.

18.	Water Resources Engineering & Management Institute Samyala	05	05	04	14
19.	Master of Computer Application Course	01	02	—	03
20.	Post B.Sc. Diploma Programme in Computer Science & Applications	02	—	—	02
21.	Faculty of Law	01	05	05	11
22.	Faculty of Fine Arts	05	14	19	38
23.	Faculty of Home Science (including Chetan Balwadi)	02	17	34	53
24.	Faculty of Social work (including Training and orientation)	02	08	07	17
25.	Oriental Institute	03	06	06	15
26.	Faculty of Performing Arts	07	07	12	26
27.	Sanskrit Mahavidyalaya	—	02	04	06
28.	Shri M.K. Amin Arts & Science College & College of Commerce, Padra	03	12	12	27
29.	Polytechnic (Including H.Sc.)	08	82	66	156
30.	Smt. H.M. Library (including Memorial Library)	23	44	27	94
31.	The M.S. University of Baroda Press (including Stationery Unit. and Publication Sales Unit)	04	55	26	85
32.	Halls of Residence	08	11	117	136
33.	Sheth U.P. Ayurvedic Research Unit	—	02	02	04
34.	Centre for Continuing/Adult Education & Community Services	01	03	01	05
35.	All India Central Services Services Training Centre	—	02	01	03
36.	Population Research Centre	13	08	02	23
37.	Computer Centre	05	06	02	13
38.	Department of Special Assistance Fine Arts	—	02	—	02
<b>TOTAL</b>		<b>249</b>	<b>813</b>	<b>754</b>	<b>1816</b>

## Appendix - XXVI

### Statement of SC/ST/SEBC and Physically Handicapped staff

	SC	ST	SEBC	Physically handicapped
Professors .....	1	-	1	-
Readers .....	6	-	2	-
Lecturers .....	9	4	12	-
Officers Class I .....	-	-	-	-
Officers Class II .....	1	-	3	-
Class III Employees .....	49	28	59	4
Class IV Employees .....	215	48	123	-
<b>Total .....</b>	<b>281</b>	<b>80</b>	<b>200</b>	<b>4</b>

## Appendix - XXVII

### Members of Staff who Expired During 1993-94

Sr.No.	Name	Designation	Institution	Date of demise
<b>NON TEACHING STAFF</b>				
1.	Jadhav S. B.	Moulding Helper	Tech. & Engg.	15-4-93
2.	Panavkar K.T.	Lab. Attendent	Science	16-8-93
3.	Pathan G. S.	Nagma & Lehra Player	Performing Arts	20-9-93
4.	Rawal J.R.	Lab. Attendent	Science	19-2-94.

## Appendix - XXVIII

### Members of Staff Retired During 1993-94

Sr.No.	Name	Designation	Institution	Date of Retired
<b>TEACHING STAFF</b>				
1.	Shringarpure D.M.	Professor	Fac. of Science	14-06-93
2.	Patel V.B.	Lecturer	Fac. of Science	14-06-93
3.	Sabnis S.D.	Professor	Fac. of Science	31-10-93
4.	Vaidya R.G.	Lecturer	Fac. of Science	31-10-93
5.	Mehta K.C.	Professor	Fac. of Commerce	31-10-93
6.	Fadke A.S.	Professor	Fac. of Tech. & Engg.	14-06-93
7.	Shah V.H.	Professor	Fac. of Tech. & Engg.	14-06-93
8.	Gupta S.N.	Lecturer	Fac. of Tech. & Engg.	14-06-93
9.	Karlekar M.N.	Lecturer	Fac. of Tech & Engg.	14-06-93
10.	Patel M.G.	Reader	Fac. of Tech & Engg.	31-10-93
11.	Itwala S.A.	Reader	Fac. of Tech & Engg	31-10-93
12.	Chhangawale M.T.	Reader	Fac. of Tech & Engg	14-06-93
13.	Bhatwadekar S.S.	Reader	Fac. of Tech & Engg	31-10-93
14.	Chandra A.	Professor	Fac. of Home Science	14-06-93
15.	Srinivasan Kamala	Professor	Fac. of Home Science	14-06-93
16.	Purandare M.N.	Lecturers	Fac. of Performing Arts	30-10-93

17.	Dave B.K.	Lecturer	Polytechnic	14-06-93
18.	Joshi R.J.	Pradhyapak	Baroda Sanskrit Mahavidyalaya	31-10-93

**NON - TEACHING STAFF**

1.	Shinde D.M.	Sr. Lab. Asstt.	Fac. of Science	30-04-94
2.	Barot G.F.	Lab. Asstt.	Fac. of Science	31-05-93
3.	Deshpande P.R.	Sr. Lab. Asstt.	Fac. of Science	30-06-93
4.	Malusare G.R.	Peon	Fac. of Science	31-07-93
5.	Kachhia K.B.	Sr. Lab. Asstt.	Fac. of Science	31-07-93
6.	Joshi C.D.	Store Keeper	Fac. of Science	31-10-93
7.	Shah G.M.	Tech. Asstt.	Fac. of Tech. & Engg.	31-12-93
8.	Chhel B.J.	Supdt.	Fac. of Tech. & Engg.	31-03-94
9.	Harijan V.K.	Sweeper	Fac. of Tech. & Engg.	31-07-93
10.	Desai K.M.	Supdt.	Fac. of Home Science	28-02-94
11.	Gajjar R.S.	Lab. Tech.	Fac. of Home Science	31-03-94
12.	Panchal M. P.	Mistry	Polytechnic	30-04-93
13.	Pathak M.C.	Head Clerk	Polytechnic	31-07-93
14.	Mistry C.D.	Mistry	Polytechnic	30-09-93
15.	Shelar D.V.	Wireman	Polytechnic	31-12-93
16.	Parikh S. M.	Hall Attendent	Halls of Resi.	31 -03-94
17.	Pawar N. B.	Hall Attendent	Halls of Resi.	31 -03-93
18.	Mali D.S.	Hall Attendent	Halls of Resi.	31-03-93
19.	Patanwadia B.M.	Hall Attendent	Halls of Resi.	31-07-93
20.	Nare R. L.	Hall Attendent	Halls of Resi.	28-02-94
21.	Umratkar K. S.		Halls of Resi.	31-04-94
22.	Pandya R.H.	Asst. Compose Forman	Uni. Press	31-05-93
23.	Thakur R.J.	Mono Machine Cum Forman	Uni. Press	30-09-93

## Appendix - XXIX

### Grants for Development and Research Schemes (1993-94)

Sr. No.	Name of Funding Agency	Grants	Rs.	P.
1.	University Grants Commission			
	(a) Recurring .....	1,15,16,356.99		
	(b) Equipments .....		-	
	(c) Books .....		6,00,000.00	
	(c) Buildings .....		16,09,065.00	
2.	Government of Gujarat			
	(a) Building .....		9,00,000.00	
	(b) Research Scheme .....		10,24,000.00	
3.	Council of Scientific and Industrial Research .....		7,95,822.00	
4.	Indian Council of Agricultural Research .....		5,19,600.00	
5.	Ministry of Education .....		4,45,366.00	
6.	Grant from Ford Foundation Prog. for P.G. Training & Research .....		25,51,153.70	
7.	Grant from Govt. of India Dept. of Atomic Energy .....		2,40,400.00	
8.	Grant from Ministry of health & Family welfare .....		17,54,337.00	
9.	Indian Council of Social Science & Research .....		1,14,848.00	
10.	National Council and Research Training .....		3,53,250.00	
11.	Indian Council of Medical Research .....		45,370.00	
12.	Department of Science and Technology .....		23,86,509.00	
13.	Department of Non-Conventional Energy Source .....		3,37,000.00	
14.	Department of International Dev. Res. Contr .....		10,39,586.30	
15.	Director of Elec. Guj. State .....		3,92,900.00	
16.	Ministry of Water Resource .....		9,37,000.00	
17.	Other Bodies .....		40,97,291.34	
<b>Total</b>			<b>3,16,59,855.56</b>	

# Appendix - XXX

## Receipts & Expenditure for the year 1994 i.e. from 1-4-1993 to 31-3-1994 PART - NON PLAN SECTION - A

### REVENUE ACCOUNT

<b>RECEIPTS</b>			<b>DISBURSEMENT</b>		
Sr.No.	Particulars	Rs.Ps	Sr.No.	Particulars	Rs.Ps
<b>I.(A)</b>	<b>Grant from the State Government</b>	<b>18,37,66,147.00</b>		<b>University General Admn. (1 to 12)</b>	<b>85,93,815.58</b>
(1)	Block Grant from State Government	13,35,00,000.00	1.	<b>Vice-Chancellor</b>	<b>1,29,106.80</b>
(2)	Additional Block Grant from State Govt.	5,02,66,147.00	(a)	Salary	72,154.50
(a)	100% Grant Towards the additional expenditure on increase rate of the rates of D.A., H.R.A. & CL.A. during the Period of the Triennium	2,92,30,390.00	(b)	Dearness Allowance	55,654.80
(b)	3.5% Wage Bills Grant on the Wage Bill of Proceeding year on a cumulative basis for annual increments etc.	1,28,21,699.00	(c)	Compensatory Local Allow.	877.50
(c)	Additional Grants :	82,14,058.00	(d)	Medical Allowance	420.00
(1)	Degree Course in Pharmacy (Faculty of Tech. & Engg.) from 1.7.78 and onwards	20,81,000.00	2.	<b>Pro-Vice -Chancellor</b>	<b>1,43,250.00</b>
(2)	Additional Grant for leave Encashment	--	(a)	Salary	87,600.00
(3)	Towards Works of Ordinary Repairs to Building	25,00,000.00	(b)	Dearness Allowance	54,750.00
(4)	Towards Encashment of leave Travel concession	--	(c)	Compensatory Local Allow.	900.00
(5)	Grant towards U.C.P.F. & Gratuity Contribution	5,33,058.00	(d)	Medical Allowance	--
(6)	Towards Pension for Non-Teaching Staff 93-94	15,00,000.00	3.	<b>Officers</b>	<b>7,71,731.47</b>
			(a)	Salary	4,11,858.77
			(b)	Dearness Allowance	3,13,585.60
			(c)	House Rent Allowance	33,483.90
			(d)	Compensatory Local Allow.	7,301.60
			(e)	Medical Allowance	5,501.60
			4.	<b>Clerks &amp; Technicians</b>	<b>50,75,674.97</b>
			(a)	Salary	23,33,609.65
			(b)	Dearness Allowance	21,47,373.08
			(c)	House Rent Allowance	4,10,956.81
			(d)	Compensatory Local Allow.	68,915.91
			(e)	Medical Allowance	1,14,159.52
			(f)	Washing Allowance	660.00
			5.	<b>Class IV Servants</b>	<b>10,30,277.90</b>
			(a)	Salary	4,72,409.82
			(b)	Dearness Allowance	4,30,847.78
			(c)	House Rent Allowance	68,251.25

Sr.No.	Particulars	Rs.Ps
(7)	Towards expenditure on payment of Bonus	--
(8)	Towards Out side securities	16,00,000.00
<b>(B)</b>	<b>Grant from the University Grants Commission Towards the Grants Commission Unit in the University</b>	<b>12,000.00</b>
<b>II.</b>	<b>Fees from the Students (A+B+C)</b>	<b>1,49,96,768.60</b>
<b>(A)</b>	<b>Academic</b>	
	Tuition Fees and Misc. Income from Faculties and Institutions	1,07,54,750.77
(1)	Faculty of Arts	8,15,391.00
(2)	Faculty of Science	11,34,016.50
(3)	Faculty of Edu. & Psy. (incl. of Exp. School)	17,86,259.00
(4)	Faculty of Commerce	23,12,166.95
(5)	M.S. Patel Institute of Management Studies (Fac. of Mgmt. Studies)	4,75,731.00
(6) i)	Faculty of Technology & Engineering	18,26,717.70
ii)	Introduction of Degree Course in Pharmacy	35,512.00
iii)	Part-time degree course in Diploma Students in C.M.E.	2,51,719.00
iv)	Water Resource Engg. & Management Institute	64,901.60
(7)	Faculty of Law	2,10,334.50
(8)	Faculty of Fine Arts	2,07,142.90
(9)	Faculty of Home Science	2,32,756.45
(10)	Faculty of Social Work	47,891.50
(11)	Faculty of Performing Arts	1,05,963.60

Sr.No.	Particulars	Rs.Ps
(d)	Compensatory Local Allow.	14,076.80
(e)	Medical Allowance	37,850.65
(f)	Washing Allowance	6,841.60
<b>6.</b>	<b>Temporary Staff</b>	<b>6,92,211.74</b>
<b>7.</b>	<b>Cell for Welfare of Backward Class</b>	<b>2,80,889.10</b>
<b>8.</b>	<b>University Contribution to Provident Fund</b>	<b>12,966.00</b>
<b>9.</b>	<b>Encashment of Leave</b>	<b>2,91,565.60</b>
<b>10.</b>	<b>Leave Travel Concession (Incl. Encashment)</b>	<b>9,544.00</b>
<b>11.</b>	<b>Adhoc Bonus</b>	<b>1,56,598.00</b>
<b>12.</b>	<b>Encashment of Leave Travel Concession</b>	<b>--</b>
	<b>Examination Charges (1 to 13)</b>	<b>72,28,101.28</b>
<b>1.</b>	<b>Remuneration of Examiners :</b>	<b>21,12,604.68</b>
(a)	Arts Examination	1,32,951.90
(b)	Science Examination	1,98,202.62
(c)	Edu. and Psychology Exam.	26,127.34
(d)	Commerce Examination	4,10,703.42
(e)	Medical Examinations	1,23,773.54
(f)	Tech. & Engg. Examinations	9,04,705.20
(g)	Law Examinations	23,685.00
(h)	Fine Arts Examinations	8,185.00
(i)	Home Science Examinations	29,370.00
(j)	Social Work Examinations	12,950.00
(k)	Sanskrit Mahavidyalaya Examinations	8,145.00
(l)	Performing Arts Examinations	78,903.97
(m)	Management Studies Exam.	5,335.00
(n)	Polytechnic Examinations	1,49,566.69
<b>2.</b>	<b>Travelling Allow. to Examiners</b>	<b>4,86,662.90</b>

Sr.No.	Particulars	Rs Ps
(12)	Faculty of Journalism & Communication	22,523.00
(13)	Sanskrit Mahavidyalaya	12,142.00
(14)	Shri M.K. Amin Arts and Science College & College of Commerce, Padra	4,23,205.50
(15) (a)	Polytechnic	3,30,653.00
(b)	Extended Diploma course in Civil, Mechanical & Electrical Engineering,	39,754.00
(c)	Extended Diploma in Civil, Mechanical, & Electrical Engg. Course (Additional intake of 100 Students)	--
(d)	Six Semester Post Higher Secondary (Std. XII) Science Stream Diploma Courses & Civil, Mechanical & Electrical Engineering (Polytechnic)	1,21,913.00
(16)	Smt. Hansa Metha Library	1,99,789.57
(17)	For-Enrollment Certificate	86,730.00
(18)	For Post-Graduate Registration	11,537.00
<b>(B)</b>	<b>Examinations Fees</b>	<b>33,38,694.58</b>
(1)	Arts Examination	2,87,251.00
(2)	Science Examinations	2,90,947.50
(3)	Edu. & Psy. Examinations	35,830.00
(4)	Commerce Examinations	7,96,162.00
(5)	Medical Examinations	72,648.40
(6)	Tech. & Engg. Examinations	3,81,139.00
(7)	Law Examinations	33,720.00

Sr.No.	Particulars	Rs.Ps
<b>3.</b>	<b>Supervision Charges</b>	<b>1,11,684.50</b>
<b>4.</b>	<b>Printing and Stationery :</b>	<b>11,93,848.04</b>
(a)	Printing of Question Papers	3,70,735.05
(b)	Other Printing Charges	1,49,448.85
(c)	Cost of Answer Books	5,06,671.00
(d)	Stationery	1,66,993.14
<b>5.</b>	<b>Asst. at the Practicals</b>	<b>5,09,461.53</b>
<b>6.</b>	<b>Remuneration to Factotums, Peons</b>	<b>72,347.48</b>
<b>7.</b>	<b>Tabulation Expenses</b>	<b>1,77,017.00</b>
<b>8.</b>	<b>Remuneration to Proof Readers</b>	<b>--</b>
<b>9.</b>	<b>Contingencies &amp; Sundries</b>	<b>9,545.96</b>
<b>10.</b>	<b>Dead-stock (including replacement and Repairs)</b>	<b>1,744.00</b>
<b>11.</b>	<b>Honorarium for Extra Work for Examinations</b>	<b>--</b>
<b>12.</b>	<b>Computer charges etc. for preparing of Mark-sheet</b>	<b>24,02,057.04</b>
<b>13.</b>	<b>Reassessment work</b>	<b>1,51,128.15</b>
<b>III.</b>	<b>Publications</b>	<b>4,03,151.40</b>
(a)	Gaekwad Oriental Series	1,48,618.35
(b)	University other Publications	95,587.85
(c)	University Journal	1,58,945.20
<b>IV.</b>	<b>Remuneration to Lecturers</b>	<b>--</b>
<b>V.</b>	<b>Travelling Allowance</b>	<b>4,38,806.65</b>
(a)	For Senate Meetings	16,281.00
(b)	For Syndicate Meeting	7,810.00
(c)	For Meeting of the Faculties, Boards and Committees	3,15,228.60
(d)	For University Officers and Administrative Staff & Others	89,487.05

Sr.No.	Particulars	Rs.Ps
(8)	Fine Arts Examinations	10,785.00
(9)	Home Science Examinations Less	10,950.00
(10)	Social Work Examinations	5,800.00
(11)	Performing Arts Examination	6,539.00
(12)	Management Examination	3,300.00
(13)	Journalism Examination	780.00
(14)	Sanskrit Mahavidyalaya Examinations	--
(15)	Polytechnic Examinations	1,17,193.00
(16)	Shri M.K. Amin Arts & Science College and College of Commerce, Padra	2,28,490.00
(17)	Re Assessment Work	5,03,980.00
(18)	Sales Proceeds of Examination Forms	1,97,214.30
(19)	Sales proceeds of used Answer Books	--
(20)	Verifications and supply of Marks	3,30,810.00
(21)	Income from Entrance Test of Engg. Admission Test	25,155.38
<b>(C)</b>	<b>Other Fees</b>	<b>9,03,323.25</b>
(1)	For Certificates of Eligibility including sale of various forms	1,02,968.00
(2)	For First and Subsequent Graduation	2,69,415.00
(3)	For University Gymkhana inclu. Swimming Pool income	1,84,255.30
(4)	For Medical Inspection of Students	59,084.00
(5)	For Registration of Graduates	30.00

Sr.No.	Particulars	Rs.Ps
(e)	For Delegates of the Univ.	10,000.00
<b>VI.</b>	<b>Printing, Stationery and Postages</b>	<b>8,74,901.19</b>
(a)	Printing of Hand Books, Calenders Pamphlets, Electarol Rolls etc.	41,760.00
(b)	Printing of Agenda, Minutes, Annual Report, Annual Budget and Accounts, Forms etc.	3,77,599.80
(c)	Stationery	2,88,849.19
(d)	Postage and Telegrams	1,66,692.20
<b>VII.</b>	<b>Interest on Balance of Funds not Invested due to financial Stringency</b>	<b>27,66,884.00</b>
	Interest on Balance of Post-Graduate Instruction and Research Fund and other Funds not invested due to financial Stringency	27,66,884.00
<b>VIII.</b>	<b>Maintenance of Building and Roads (including Residential Quarters and N.C.C. Building)</b>	<b>1,33,73,982.28</b>
(a)	Temporary Staff	--
(b)	Ordinary Repairs	27,06,976.71
(c)	Insurance Charges	1,19,390.00
(d)	Misc. Water Supply & Tools & Plants etc.	49,10,441.65
(e)	University Engineer's Staff (1 to 9)	56,37,173.92
<b>(f) Officers</b>		<b>2,01,621.88</b>
(a)	Salary	1,06,521.88
(b)	Dearness Allowance	81,900.00
(c)	House Rent Allowance	9,600.00
(d)	Compensatory Local Allow.	1,800.00
(e)	Medical Allowance	1,800.00
<b>(2) Clerks and Technicians</b>		<b>11,77,586.31</b>
(a)	Salary	5,62,640.88
(b)	Dearness Allowance	4,92,642.01
(c)	House Rent Allowance	81,864.65

Sr.No.	Particulars	Rs.Ps	Sr.No.	Particulars	Rs.Ps
(6)	For Faculty Gymkhana	89,522.25	(d)	Compensatory Local Allow.	14,700.88
(7)	For University Union	1,50,492.00	(e)	Medical Allowance	25,722.89
(8)	Fees for Students Safety Insurance	47,556.70	(f)	Washing Allowance	15.00
<b>III.</b>	<b>Hostels</b>	<b>9,09,944.00</b>	<b>(3)</b>	<b>Class IV Servants</b>	<b>8,90,627.02</b>
	Income from Halls of Residence for Students including admission form fees	9,09,944.00	(a)	Salary	4,01,086.22
<b>IV.</b>	<b>Income from Occupation of Bldg, Lands and other properties</b>	<b>7,05,777.88</b>	(b)	Dearness Allowance	3,80,100.80
(1)	Income from Use and Occupation of University Quarters and Bungalows and Other Buildings including Furniture Rent	4,40,331.63	(c)	House Rent Allowance	60,300.00
(2)	Income from C.C. Mehta General Education	1,15,986.50	(d)	Compensatory Local Allow.	11,550.00
(3)	Income from University Guest House	1,49,459.75	(e)	Washing Allowance	5,640.00
<b>V.</b>	<b>Health Services-University Health Centre</b>	<b>6,487.50</b>	(f)	Medical Allowance	31,950.00
<b>VI.</b>	<b>University Auxiliary Services (A+B+C)</b>	<b>62,65,272.97</b>	<b>(4)</b>	<b>University Contribution to P.F.</b>	<b>9,039.00</b>
(A)	Income from M. S. University of Baroda Press	44,86,404.60	<b>(5)</b>	<b>Encashment of Leave</b>	<b>1,16,410.98</b>
(B)	Income from M. S. University Stationery Unit	16,43,291.42	<b>(6)</b>	<b>Leave Travel Concession</b>	<b>3,744.00</b>
(C)	Income from Publication	1,35,576.95	<b>(7)</b>	<b>Adhoc Bonus</b>	<b>1,17,386.00</b>
1.	Income from Publication Sales Unit	1,16,556.95	<b>(8)</b>	<b>Encashment of Leave Travel Concession</b>	--
2.	Sale of Gaekwad Oriental Services	--	<b>(9)</b>	<b>Municipal Taxes.</b>	<b>31,20,758.73</b>
3.	Sale of other Univ. Publication	18,531.00	<b>IX.</b>	<b>Maintenance of Gardens</b>	<b>7,45,337.76</b>
			(a)	Salary	2,35,774.52
			(b)	Dearness Allowance	2,21,819.50
			(c)	House Rent Allowance	40,800.00
			(d)	Compensatory Local Allow.	7,260.00
			(e)	Washing Allow.	2,700.00
			(f)	Medical Allowance	18,000.00
			(g)	Encashment of Leave	14,225.40
			(h)	U.C.P.F.	7,219.00
			(i)	Leave Travel Concession	--
			(j)	Contingencies	91,150.75
			(k)	Temporary Labour	95,605.49
			(l)	Pipe Line	10,783.10
			(m)	Encashment of Leave Travel Concession	--
			(n)	Adhoc Bonus	--

Sr.No.	Particulars	Rs.Ps
4.	Sale of Electoral Rolls, Hand Books, Service Book	489.00
<b>VII.</b>	<b>Miscellaneous Receipts</b>	<b>6,15,936.36</b>
<b>VIII.</b>	<b>Sheth U.P. Ayurvedic Research Unit 2,39,818.39</b>	
1.	State Government Grants	--
2.	Income from Out-patient Ward	2,077.50
3.	Excess Recurring Expenditure met from Ayurvedic Research fund	2,37,740.89
<b>IX.</b>	<b>Refund of Insurance Premium on Insurance of Building, Equipments, Books etc.</b>	<b>22,154.00</b>
<b>X.</b>	<b>Computer Centre Time sold Rec.</b>	<b>10,66,387.00</b>

Sr.No.	Particulars	Rs.Ps
<b>X.</b>	<b>Games, Sports and Student's Welfare and other Activities</b>	<b>39,14,964.47</b>
(a)	Games Sports and Departmen t of Physical Education	20,49,708.55
(b)	Medical Inspection of Students	59,084.00
(c)	University Health Centre	15,17,324.42
(d)	Faculty Gymkhana Fees paid to the Faculties	89,522.25
(e)	Union Fees paid to the Union	1,50,492.00
(f)	Students Safety Fees paid	47,556.70
(g)	Providing amenities and Recreational facilities to NCC cadets and officers and other charges	1,276.55
<b>XI.</b>	<b>Miscellaneous (A, B, C)</b>	<b>32,69,537.86</b>
<b>(A)</b>	<b>Membership and Contribution</b>	<b>89,694.00</b>
(a)	Association of Indian Universities, New Delhi	19,000.00
(b)	Association of Universities of Common Wealth	59,094.00
(c)	Other Bodies	1,600.00
(d)	Indian International Centre, Delhi	10,000.00
<b>(B)</b>	<b>Office Equipment (Repairs)</b>	<b>1,02,179.05</b>
<b>(C)</b>	<b>Other Items</b>	<b>30,77,664.81</b>
(a)	Extra Mural Work	3,040.00
(b)	Books and Journals and Newspapers	11,864.70
(c)	Legal Charges	76,041.19
(d)	Electric Energy and Appliances	3,03,604.60
(e)	Telephones	2,56,123.75
(f)	Advertisements	4,31,034.95
(g)	Uniforms	2,62,117.00
(h)	Maintenance of University Vehicle (V-C's Car)	56,115.08
(i)	Misc./Unforeseen Items	1135.76
(j)	Municipal and Other Taxes	1,16,949.02
(k)	Convocation and Sundry Exp.	1,28,500.13

Sr.No.	Particulars	Rs.Ps	Sr.No.	Particulars	Rs.Ps
			(l)	Grant for Conferences	2,000.00
			(m)	Vice-Chancellor's Sumptuary Grant	7,602.60
			(n)	Contingencies	99,290.33
			(o)	Pro-Vice-Chancellor Sumptuary Grant	3,176.73
			(p)	Vice-Chancellor' Discretion- ary Grant	4,477.00
			(q)	Dean's allowance for the Faculty of Medicine	1,314.50
			(r)	Election Expenses	44,928.35
			(s)	Bank Charges	2,180.00
			(t)	Maintenance of Staff Car	1,14,852.14
			(u)	Preparation of new Scarfs	--
			(v)	Training Programme for Administrative Staff	12,252.50
			(w)	Staff Sports Club	1,748.00
			(x)	Outside Securities	11,37,316.48
			<b>XII.</b>	<b>Faculties and Institutions</b>	<b>15,27,42,278.87</b>
			<b>(A)</b>	<b>Faculties</b>	
			(a)	Faculty of Arts	15080410.40
			(b)	Faculty of Science	2,97,22,939.04
			(c)	Faculty of Edu. & Psy. [incl. Exp. School]	58,03,307.78
			(d)	Faculty of Commerce [ incl. F.Y. B.Com. Unit & Girls College)	80,30,940.47
			(e)	M.S. Patel Institute of Manage- ment Studies(Fac. of Manage- ment Studiest)	9,36,141.06
			(f) (i)	Faculty of Technology & Engineering	4,35,10,448.55
			(ii)	Introduction of Degree Course in Pharmacy	23,22,910.93
			(iii)	Part-Time Degree Course for Diploma students in C.M.E.	5,08,685.96
			(iv)	Water Resources Engg. & Management Institute	18,70,306.48

Sr.No.	Particulars	Rs.Ps
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Sr.No.	Particulars	Rs.Ps
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(g)	Faculty of Law	10,80,586.16
(h)	Faculty of Fine Arts	50,35,314.01
(i)	Faculty of Home Science	81,25,963.99
(j)	Faculty of Social Work	19,73,198.76
(k)	Faculty of Performing Arts	45,87,854.25
(l)	Faculty of Journalism & Communication	60,610.56

**(B) Institutions**

(m)	(a) Oriental Institute	12,01,987.75
	(b) Vishnupurana Project	3,55,785.39
(n)	Sanskrit Mahavidyalaya	11,05,354.05
(o)	Shri M.K. Amin Arts & Science College & College of Commerce, Padra	24,59,201.64
(p)	(a) Polytechnic	1,63,40,140.26
	(b) Extended Diploma Courses in Civil, Mechanical & Elect Engineering	4,97,264.00
	(c) Additional intake of 100 students (Extended Diploma in Civil, Mechanical & Electrical Engg. course	11,753.95
	(d) Six Semester post Higher Secondary (Std.XII) Science Stream Diploma courses in Civil, Mechanical & Elect. Engineering	15,53,924.42
(q)	Centre of Advanced Study in Education	5,67,249.01

XIII.	(a) Smt. Hansa Mehta (University) Library	91,48,810.48
	(b) Sir Sayajirao Memorial Trust (University) Library	2,65,928.79
XIV.	(a) University Guest House	2,40,746.72
	(b) C.C. Mehta General Education Centre	6,03,848.50

Sr.No.	Particulars	Rs.Ps
	Add. Excess of Disbursement over Receipt i.e. Deficit	1,62,61,354.15
	Total I to X	20,86,06,693.70
	<b>GRAND TOTAL</b>	<b>22,48,68,047.85</b>

Sr.No.	Particulars	Rs.Ps
XV.	University Auxiliary Services	73,18,664.51
	(a) M.S. U. of Baroda Press	54,83,992.57
	(b) M.S.U. Stationery Unit	16,10,520.70
	(c) M.S. U. Publication Unit	2,24,151.24
XVI.	Hall of Resident for Students	83,37,957.99
XVII.	Sheth U.P. Ayurvedic Research Unit	2,39,818.39
XVIII	Cost of Card Punching and Verification Stationery Computer time etc. for computerization of University Pay Roll	8,26,385.00
XIX.	Deadstock, Equipment for University Office, Faculties and Institutions	1,80,735.00
XX.	Payment of Pension incl. C.V.P	22,33,530.84
XXI.	Visiting Professors in Various Faculties	73,989.02
XXII.	Expenditure against the Insurance paid to Faculty & Institutions	15,940.00
XXIII.	Student ship to M.sc. Applied Geology Scheme, (State Govt. Grant)	3,153.98
XXIV.	Computer Centre Exp. A/c.	10,26,777.29
	<b>GRAND TOTAL</b>	<b>22,48,68,047.85</b>

# Appendix- XXXI

## THE MAHARAJA SAYAJIRAO ABSTRACT OF STATEMENT OF

LIABILITIES	Rs. Ps.	Rs. Ps.
I. Ayurvedic Research Fund	7,45,691.00	
Dues to the University	<u>6,18,915.22</u>	<b>13,64,606.22</b>
II. Post-Graduate Instruction and Research Fund		<b>1,40,60,477.85</b>
III. University General Fund		<b>19,10,52,215.55</b>
IV. Capital General Fund IV.		<b>1,02,12,404.17</b>
V. Staff Gratuity Fund		<b>2,57,33,816.72</b>
VI. Liabilities General		
(a) General Fund (Halls of Residence)	5,66,978.87	
(b) Deposits - from the Contractors	13,91,440.32	
(c) Dues to the Contractors	70,965.38	
(d) Sundry Deposits and Liabilities	36,60,452.47	
(e) Fund for CASE Publication	56,138.90	
(f) Working Fund from Govt, of Gujarat	10,00,000.00	
(g) Fund for Outside work	<u>3,23,590.19</u>	<b>4,67,15,566.16</b>
<b>TOTAL (I to VI)</b>		<b><u>28,91,39,086.67</u></b>

# UNIVERSITY OF BARODA, VADODARA

FINANCIAL STATEMENTS AS ON 31-3-1994

ASSETS		Rs. Ps.	Rs. Ps.
I.	Ayurvedi Research Fund		
	Investment	12,66,459.85	
	Building Equipment	<u>98,146.37</u>	<b>13,64,606.22</b>
II.	Post Graduate Instruction & Research Fund		
	Investment	80,31,869.30	
	Dues from the University	<u>60,28,608.55</u>	<b>1,40,60,477.85</b>
III.	University General Fund		
	Building Works	9,36,09,585.14	
	Equipment and Furniture	6,67,15,286.41	
	Books and Periodicals	2,42,54,317.85	
	Pumps and Materials	91,387.00	
	M.S.U. Press (Sadhana Press)	36,41,479.61	
	Investment	41,590.25	
	Dues from the University	<u>26,98,569.29</u>	<b>19,10,52,215.55</b>
IV.	Capital Expenditure Fund (Sir Sayajirao Diamond Jubilee & Memorial Trust)		
	Investment	16,14,665.61	
	Capital works & Furniture	9,15,218.79	
	Dues from the University	<u>76,82,519.77</u>	<b>1,02,12,404.17</b>
V.	Staff Gratuity Fund		
	Investment	24,97,514.30	
	Dues from the University	<u>2,32,36,302.42</u>	<b>2,57,33,816.72</b>
VI.	Advance and Others		
(a)	Faculties and Institutions	29,89,573.19	
(b)	M.S.U. Press and Publication	34,12,385.84	
(c)	M.S. University Stationery Unit	10,50,630.14	
(d)	Doller-Coupons	1,600.19	
(e)	Advance to Contractors for Bldg. Materials	1,23,748.34	
(f)	Sundry Advances	10,38,957.01	
(g)	Investments	2,11,760.00	
(h)	Festival Loan	4,31,230.41	
(i)	Dues from Ayurvedic Research Fund	6,18,915.22	
(j)	Development of Scheme	1,00,31,631.31	
(k)	Stock of Uniforms	1,35,766.87	
(l)	Stock of Materials	2,85,166.44	
(m)	Deficit on Revenue A/c.	3,32,84,150.47	
(n)	Cash and Other Balances (Cr.)	68,99,949.27	<b>4,67,15,566.16</b>
<b>TOTAL (I TO VI)</b>			<b><u>28,91,39,086.67</u></b>

## Appendix - XXXII

### Accounts of the General Education Centre 1993-94

	Amount		Rs. Ps.
<b>(A) Amount received under various Heads</b>		<b>(B) Amount paid to the University</b>	
1. Auditorium Rent	48765.00	1. Auditorium Rent	41178.00
2. Perishable A/c/ (Under this is received amount for Rooms, Canteen, Retreat, Cellar & Auditorium maintenance charges.	112115.00	2. Electric Consumption :	59453.50
3. Miscellaneous income	14025.00	3. Miscellaneous Income	13855.00
4. Electric Consumption	76226.50	4. Canteen Rent	1400.00
5. Auditorium Deposit	69400.00	5. Cellar Rent	100.00
6. Amount received towards damages caused during programme	12540.00		1,15,786=50
7. Retreat Deposit	5500.00	<b>(C) Balance C.F. to 1994-95</b>	
8. Amount received towards Technical & Class IV. service charges	48720.00	1. Auditorium Deposit	19970.00
9. Cellar Rent	100.00	2. Aud. Tech. & IV. Services	11611.00
10. Canteen Rent	1400.00	3. Damagee done during programmes	29451.00
11. Canteen Technical & Class IV. services	650.00	4. Canteen Deposit	500.00
12. Retreat Tech. & Class IV. services	2450.00	5. Canteen Rent	650.00
13. Cellar Deposit	1500.00	6. Retreat Tech. & Class IV. Services	500.00
14. Cellar Class IV. services	60.00	7. Cellar Deposit	88135.00
	3,93,451.50		1,51,027.00

## Appendix - XXXIII

### Number of Patients Treated at the Health Centre

The University Staff, their families and the students avail themselves of the Health Centre facilities provided by University Health Centre. The following are the figures for the patients treated and daily average attendance over a period of the last five years.

Year	Staff and their families	%	Students	%	Total cases treated	Daily average attendance
1989-90	32,600	79.71	8,296	20.29	40,896	144.0
1990-91	35,635	78.81	9,580	21.19	45,215	152.0
1991-92	35,680	79.54	9,180	20.46	44,860	151.0
1992-93	35,960	78.46	9,870	21.53	45,830	154.0
1993-94	36,340	78.38	10,025	21.62	46,365	155.0

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