

34

M.S. University of Baroda
Thirty Fourth
Annual Report

1982-83

U/R/34

1982-83

34
ANNUAL
REPORT
1982
● 83



सत्यमेव जयते
Maharaja Sayajirao
University of Baroda



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कलानां सर्जनं नूतनं विज्ञानशोधप्रक्रियाः ।
वाणिज्यप्रविकासः स्यात् जीवनस्य समृद्धये ॥

OFFICERS OF THE UNIVERSITY

<i>Visitor</i>	Smt. Sharda Mukherjee, Governor of Gujarat
<i>Chancellor</i>	Shri Fatehsinhrao Gaekwad
<i>Vice-Chancellor</i>	Professor B. C. Parekh
<i>Pro-Vice-Chancellor</i>	Professor K. C. Mehta
<i>Deans :</i>	
Faculty of Arts	Professor R. N. Mehta
Faculty of Science	Professor A. P. Rana
Faculty of Education and Psychology	Professor V. V. Mody
Faculty of Commerce	Professor D. B. Desai
Faculty of Medicine	Professor G. C. Beri
Faculty of Technology and Engineering	Professor O. D. Gulati
Faculty of Law	Professor O. H. Patel
Faculty of Fine Arts	Professor H. C. Dholakia
Faculty of Home Science	Professor J. D. Patel
Faculty of Social Work	Professor (Smt.) Amita B. Verma Shri K. M. Sharma
<i>Registrar</i>	Shri K. A. Amin
<i>Librarian</i>	Dr. L. M. Padhya
<i>Others Officers :</i>	
I/c Director, Oriental Institute	Professor S. G. Kantawala
Principal, College of Indian Music, Dance and Dramatics	Professor C. V. Chandrashekhar
Principal, Sanskrit Mahavidyalaya	Dr. J. R. Pathak
Principal, Polytechnic	Professor H. V. Bhavnani
Principal, M. K. Amin Arts and Science College and College of Commerce, Padra	Shri R. R. Joshi
In-Charge Director, Continuing/Adult Education and Community Services	Professor (Kum.) Malathi Chakravorty

Members of the Annual Report Committee

DR. B. C. PAREKH, Vice-Chancellor—Chairman
PROFESSOR R. N. MEHTA, Department of English, Faculty of Arts
DR. (MISS) JAYSHREE MEHTA, Faculty of Medicine
PROF. R. C. PATEL, Dean, Faculty of Tech. and Engg.
DR. T. S. SARASWATHI, Reader in Child Development, Faculty of Home Science
PROF. S. G. KANTAWALA, Sanskrit Department, Faculty of Arts
SHRI J. D. DESAI, English Department, Faculty of Arts
PROF. G. M. SHEIKH, Painting Department, Faculty of Fine Arts
PROF. ATUL MEHTA, Department of Botany, Faculty of Science
PROF. M. S. YADAV, CASE, Faculty of Education and Psychology
SHRI ANIL BHATT, Reader in Business Administration, Faculty of Commerce
SHRI ANIL NAVALE, Lecturer in Social Work
DR. (MRS) P. DESAI—Member Secretary

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Maharaja Fatehsinhrao
University of Baroda

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INTRODUCTION TO ANNUAL REPORT

*One could say of Baroda under
Shrimant Maharaja Sayaji Rao Gaekwad that
'what Baroda does today
the rest of India does tomorrow'.*

*Maharaja Sayaji Rao was the first
to introduce compulsory primary education
in the State in 1906.*

*He believed that merely literacy
would have no value
unless some provision is made so that
people don't lapse into illiteracy.*

*He therefore started the Library movement
which was unique in India.*

*Maharaja Sayaji Rao was responsible for many
progressive legislative acts such as the
monogamy act, the divorce act etc.*

*The most outstanding legislation was the
Purohit act which made it
compulsory for every officiating*

*priest to get proper
training and to explain the rites of
ceremony in the Gujarati language.*

*An elected State legislative assembly
was also introduced by him.*

*He encouraged scholars and artists from all over
the world to come to Baroda and he made
Baroda centre for art,
education and culture.*

J. M. MEHTA



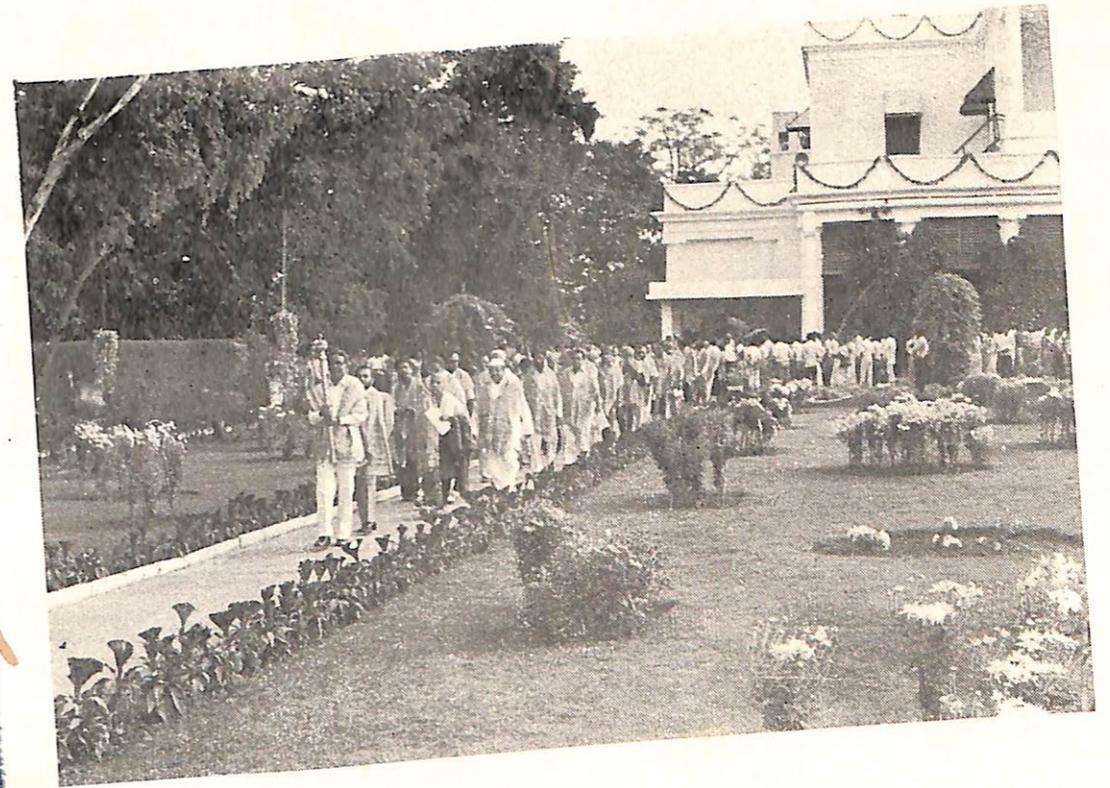
On behalf of the Syndicate I have great pleasure in submitting to the Senate the thirty-fourth annual report on the University during the year 1982-83.

We can look back at the year with some sense of satisfaction. We were able to hold the number of admissions at last year's level, and enjoyed a considerable degree of peace on the campus. The Sixth Plan Committee of the UGC visited the University in December, 1982. It was evidently pleased with our achievements, and increased our grant by Rs. 19.96 lakhs. The UGC Specialist Committees will shortly be visiting various departments. It is very likely that most of them will receive substantial financial assistance from the UGC. The University Grants Commission is also actively considering giving additional assistance to some of our Departments with a view to making them Centres of international repute. During the year the University hosted many regional, national and international workshops, seminars and conferences and has plans to hold many more in the near future. Many distinguished foreign scholars visited the University and gave lectures and seminars. Some of our own staff went to other Universities in the country and abroad to participate in national and international seminars.

During the year we took several important steps in the direction of democratising the structure of the University. We adopted the policy of judiciously rotating the Heads of Departments, and we hope that its results will satisfy the long-standing aspiration of our teachers. The Departmental meetings, staff-student committees and Faculty Advisory Committees are functioning smoothly, and have given our students and staff a sense of participation. We have also set up several committees to inspect hostels and faculty buildings on a regular basis with a view to ensuring the satisfactory level of services to our students and staff. We have also received money from the UGC and private sources that should enable us to build a guest house and a seminar complex and expand the residential accommodation for our staff and students. We are proposing to create a Department of Student Welfare, and hope that it will meet their needs. We are also exploring various types of housing and group insurance schemes for our staff and students.

Although we can legitimately feel a sense of pride, we are not yet free from the difficulties that have bedevilled us in the past. Our undergraduate population is still too large, and as a result the academic activities of some of our departments continue to suffer. Our Faculty of Commerce in particular still remains much too large, and it is not yet clear how we can reduce our annual intake of students. The hostel accommodation we provide to our students is wholly inadequate and both the residential and office accommodation provided to our staff does not go anywhere near meeting their needs. Largely as a result of the small repair grant given to the University by the State Government, our buildings are in a sorry state of repair and, in some cases, pose a risk to life. Some of these problems arise out of the demographic pressure and the rising expectations of the society at large; naturally we can ourselves do very little about this. Some other problems, however, owe their origin to inadequate financial resources. Along with other Vice-Chancellors in our state, I like to hope that the State Government will view with sympathy our request for additional resources.

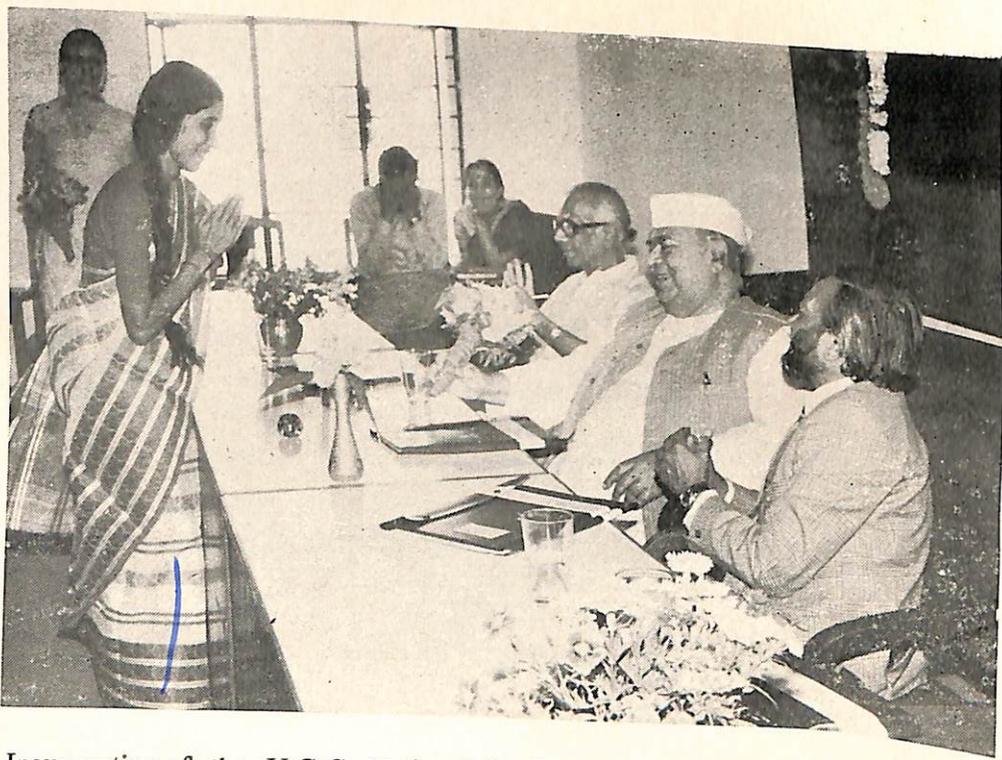
BHIKHU PAREKH



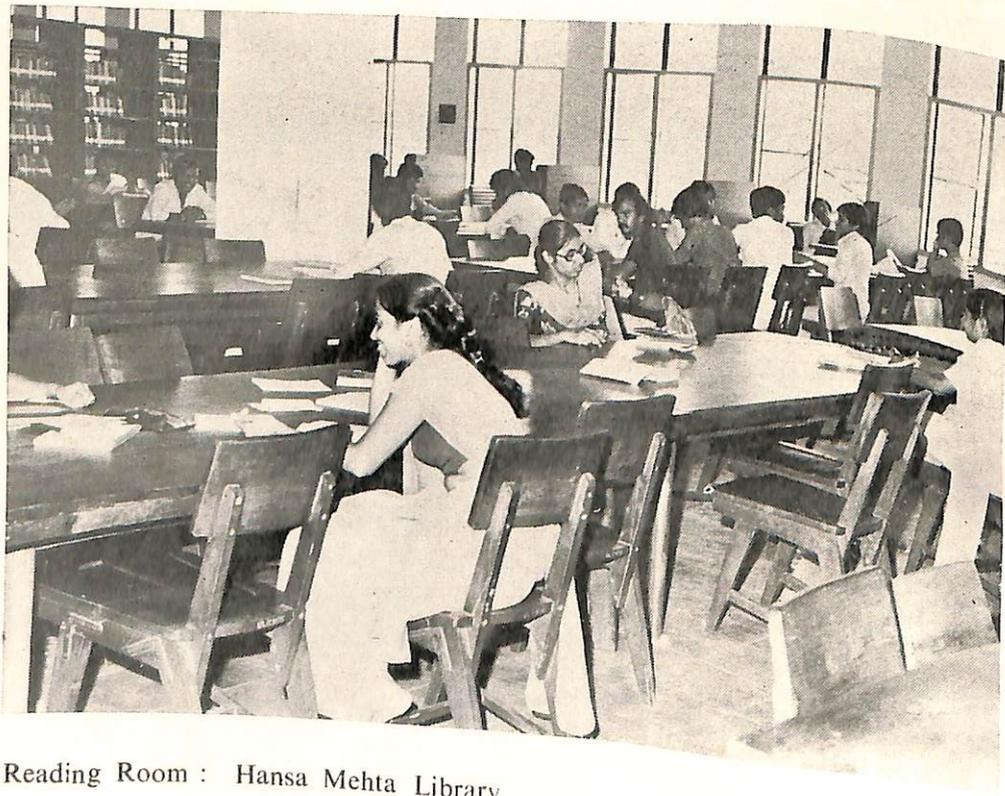
1. Procession of Annual Convocation



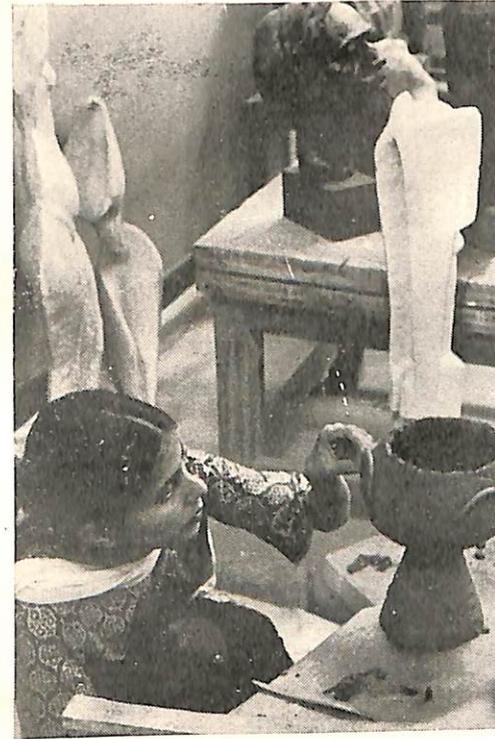
2. Mrs. Pupul Jayakar delivering the Annual Convocation Address



Inauguration of the U.G.C. National Seminar on History, Literature and Society organised by the Department of History (March 11th to 14th, 1983). by Professor Nurul Hasan, now Ambassador to the Soviet Union.



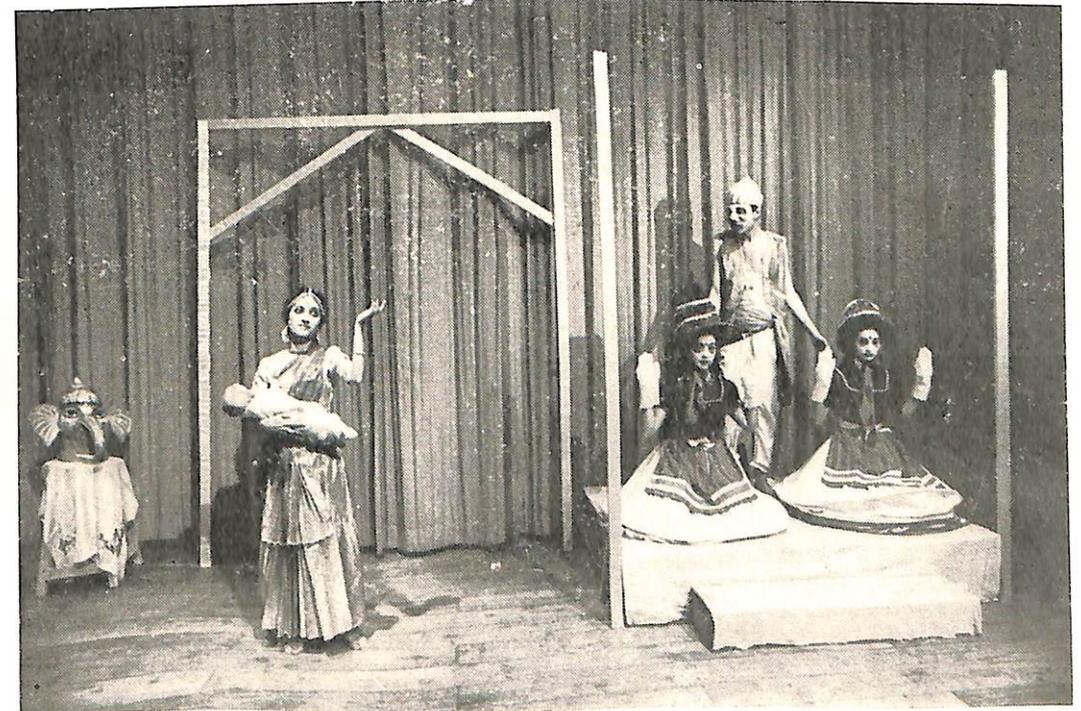
Reading Room : Hansa Mehta Library



Student at work : Faculty of Fine Arts



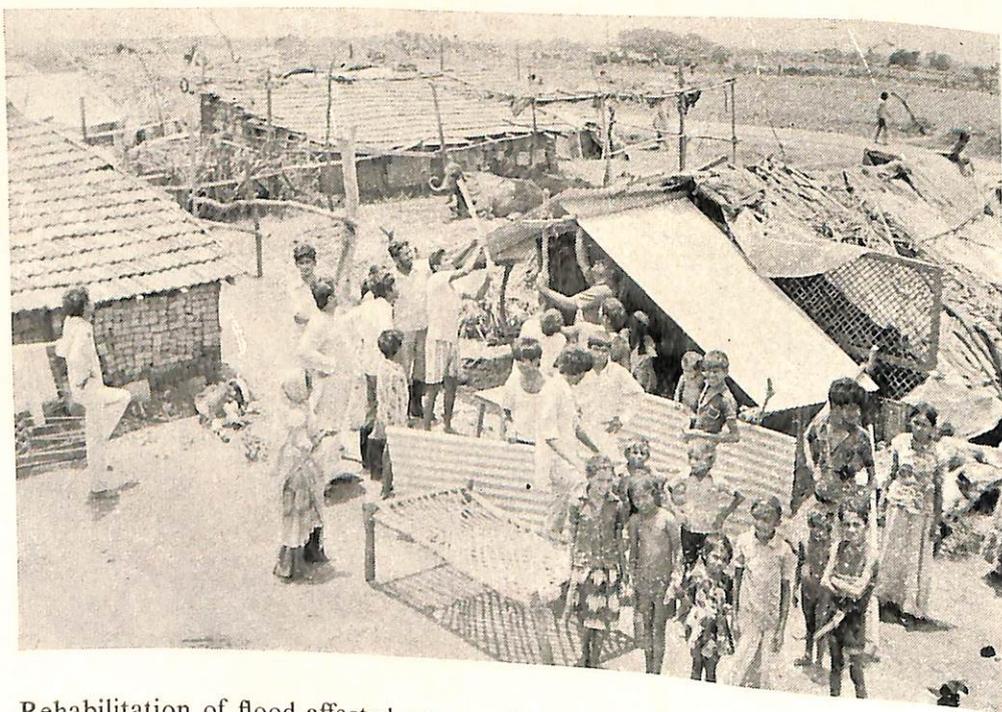
A scene from ' *Bhoomija* ', dance ballet produced by Music College



A scene from *Hayavadana* produced by the Shakespeare Society



N.S.S. Volunteers participating in Flood Relief Operation at Gorsad
(Dist. Porbandar)



Rehabilitation of flood affected poor. Kanza village of Junagadh District.
N.S.S. Flood Relief Camp.

CHAPTER I

1. Institutions in the University

Constituent and Recognised Institutions (Under Sections 42 and 69 of the Act).

(1) Faculty of Arts, (2) Faculty of Science, (3) Faculty of Education and Psychology, (4) Faculty of Commerce, (5) Faculty of Medicine, (6) Faculty of Technology and Engineering, (7) Faculty of Fine Arts, (8) Faculty of Home Science, (9) Faculty of Social Work, (10) Faculty of Law, (11) Oriental Institute, (12) College of Indian Music, Dance and Dramatics, (13) Baroda Sanskrit Mahavidyalaya, (14) M. K. Amin Art and Science College and College of Commerce, Padra, (15) Polytechnic, (16) Museum and Picture Gallery, and (17) Centre for Continuing/Adult Education and Community Services.

2. Number of Students

The number of University students during the year was 22,418 (15,863 men and 6,555 women students); that of non-University students was 1,995 (1,250 men and 745 women students). The details are given in the Appendices I-(b) and VII.

The number of students belonging to the Scheduled Castes during the year was 407, while that of Scheduled Tribes was 152. There were also 80 students in the various Faculties/Institutions who belonged to Socially and Economically Backward classes (Baxi Punch). Twelve disabled students were admitted. The year under report recorded 112 foreign students coming from a wide variety of countries admitted in various fields of studies.

3. Convocations

(i) The Thirty-Second Annual Convocation was held on the University Garden, Baroda on Saturday, 11th December, 1982. Dr. B. C. Parekh, the Vice-Chancellor presided. Smt. Pupul Jayakar delivered the Convocation Address. 4,094 degrees and diplomas were conferred.

- (ii) The Twenty-Third Supplementary Convocation was held on Saturday 14th May, 1983 in the General Education Auditorium Baroda. Dr. B. C. Parekh, Vice-Chancellor presided. 633 degrees and diplomas were conferred.

Appendix XIV gives details of degrees and diplomas conferred.

4. Special Features of the year

(i) New Courses :

The details of new courses are given in the reports of respective Faculties.

(ii) Conferences, Seminars and Workshops :

- (1) Seminar on Accountancy in Commerce Education, 8th and 9th August, 1982 (Commerce).
- (2) Seminar on Probability Statistical Inference Design of Experiments 1st to 6th November, 1982 (Science).
- (3) 14th Annual Gujarat Economics Conference, 7th and 8th November, 1982 (Arts).
- (4) Refresher course in Persian from 7th to 27th November, 1982 (Arts).
- (5) XXVIII Annual Conference of A.P.P.I. 27th to 29th December, 1982 (Medicine).
- (6) National Seminar on Instructional Strategies for Home Science Education 20th to 22nd January, 1983 (Home Science).
- (7) Workshop on Narrative Painting January-February, 1983 (Fine Arts).
- (8) Seminar on Gujarati Prose 14th February, 1983 (Arts).
- (9) Seminar on Society, Literature and History 11th to 14th March, 1983 (Arts).
- (10) USEFI Seminar in Child Development Department on the occasion of the visit of Dr. Lillian Katz, Professor and Director, Elementary and Early Childhood Education, University of Illinois 9th and 10th February, 1983 (Home Science).

(iii) Special Lectures for the year 1982-83 :

Tagore Chair in Humanities :

- (1) Dr. G. K. Bhat, Formerly Professor of Sanskrit and Ex-curator and Director, Bhandarkar Oriental Research Institute, Poona delivered six lectures under this endowment at the Faculty of Arts between 25-8-1982 and 31-8-1982 and delivered ten lectures during his stay.
- (2) Dr. Leslie John MacFarlane, Fellow and Tutor in Political Science, St. John's College and Oxford University Lecturer in Political Theory, U.K. delivered six lectures between 3-2-1983 and 10-2-1983 in the Faculty of Arts.

(iv) Visiting Committee from the University Grants Commission, New Delhi:

The Visiting Committee comprising of twelve members visited the University between 15-12-1982 to 19-12-1982 to assess the Sixth Five Year Plan proposals of Sciences and Humanities. They visited various Departments/Faculties/Institutions and held discussions with the staff, teachers, students and administrators.

(v) U.G.C. Special Assistance for the Department of Political Science :

An Expert Committee from the University Grants Commission visited the Department of Political Science on 18th and 19th February, 1983, to examine the Department's proposal for the U.G.C. Special Assistance Programme during the 6th plan period.

(vi) Development Schemes :

- (i) Schemes for development are financed by the University Grants Commission, the University, Ministries of the Central Government, Departments of the Gujarat Government, Indian Council of Scientific and Industrial Research (CSIR), Indian Council of Social Science Research (ICSSR), Indian Council of Medical Research (ICMR), Indian Council of Agricultural Research (ICAR), United States Department of Agriculture (USDA), Indian Space Research Organization (ISRO), Department of Science and Technology (D.S.T.) and several other agencies. The details of their progress are given in Chapter V.
- (ii) The University Grants Commission has approved and sanctioned the starting of one year Post B.Sc. Diploma Programme in Computer Science and Application in August, 1982.
- (iii) The Government of Gujarat has sanctioned a research proposal of the Department of Botany under Narmada Valley Project to study "Ecological and Environmental Impact of Narmada Dam", at an approximate cost of Rs. 4.5 lacs. The project has been completed.

(iv) The University Grants Commission has sanctioned the creation of a special cell for student enrolment in the University for Scheduled Castes and Scheduled Tribes.

(vii) *Buildings :*

There was a shortage of the cement for the university's project works from January 1982 due to the change in policy. This adversely affected the completion of the following :

1. Additions and Extension to the Faculty of Science building for accommodating additional area for the Departments of Mathematics, Statistics and Botany.
2. Special Assistance for building of the Bio-chemistry Department, Faculty of Science (Phase II).
3. The following buildings in the Faculty of Technology and Engineering: Building for Textile Chemistry and Shed for Textile Engineering Department.
4. Proposed Shed for Civil Engineering Department over first floor of P.G. Hydraulic Laboratory.
5. New Library Building for the Faculty.
6. Proposed Shed for Applied Mechanical Architecture Department.
7. Extension to Building for Mechanical Engineering Department.

Out of the Capital works approved by the State Government for University General Fund the overhead tank of 1,30,000 litres capacity and underground sump for 8,00,000 litres capacity and pump-room is completed near Polytechnic. The Extension of University office was also taken up during the year.

(viii) *Silver Jubilee Fund :*

(A) *Consolidated statement of Receipts and Expenditure :*

	General Fund		Specific Fund		Total Silver Jubilee Fund	
	Rs.	P.	Rs.	P.	Rs.	P.
Opening balance as on 1-4-1982	1		2		3	
Add:	25,90,461-01		49,79,618-75		75,70,079-76	
(i) Donations received during the year	63,802-62		1,58,701-30		2,22,503-92	
(ii) Interest received during the year	2,53,513-98		4,21,217-32		6,74,731-30	
Total Receipts	3,17,316-60		5,79,918-62		8,97,235-22	
Total	29,07,777-61		55,59,537-37		84,67,314-98	

	1	2	3
<i>Less:</i>			
Expenditure :			
(i) upto 31-3-1982	1,14,713-13	5,68,560-40	6,83,273-53
(ii) from 1-4-1982 to 31-3-1983	11,599-89	2,68,899-21	2,80,499-10
Total Expenditure	1,26,313-02	8,37,459-61	9,63,772-63
Closing balance of the Fund as on 31-3-1983	27,81,464-59	47,22,077-76	75,03,542-35

Receipts and Expenditure are as under :—

(B) *Receipts during the year :*

General Fund :

1. Donation from students in U.S.A.	63,802-62	
2. Interest on Bank D. and Bank Savings Bank Account	2,53,513-98	3,17,316-60

Specific Funds :

1. Fourth and Fifth instalments from the Reserve Bank of India, Bombay for establishing a Research Cell in Banking in the Faculty of Commerce	1,35,297-34	
2. Donation from M/s. Indian Aluminium Co. Calcutta for the Research Project on "Pellatization of Alumina" and "Grain Refinement of Aluminium" Department of Metallurgy	4,000-00	
3. Donation for Poor Boys Fund from M.S. University Alumni in U.S.A.	19,403-96	1,58,701-30
4. Interest on Bank Fixed Deposit Receipts	4,21,217-32	5,79,918-62
Total	8,97,235-22	

(C) Expenditure during the year :

General Fund

(i) Salary of one Part-time Clerk	Rs. P.
(ii) Payment to Dr. S. M. Sen towards travel cost for deputation to U.S.A.	2,400-00
(iii) Payment to Bhagwat Saptah Food Subsidy Fund for the Hostel Students of Baroda Sanskrit Mahavidyalaya	3,821-25
	5,378-64
Total	11,599-89

(D) Specific Funds

(i) I.P.C.L. Centre for studies in National and International Industrial Development in the Department of Economics, Faculty of Arts	Rs. P.
(ii) "Research Cell in Banking by the Reserve Bank of India, Bombay" in Banking Department, Faculty of Commerce	61,264-46
(iii) G.S.F.C. Chair in the Faculty of Technology and Engineering	72,646-66
(iv) "Puja Ramchandra Keshav Dongre Vedadhyayan and Vedotkarsha Fund in Baroda Sanskrit Mahavidyalaya	12,096-77
(v) Research Projects on "Pellatization of Alumina" and "Grain Refinement of Aluminium" in the Faculty of Technology and Engineering	13,614-58
(vi) O.N.G.C. Senior Research Fellowship at Applied Chemistry Department, Faculty of Technology and Engineering	10,190-57
(vii) Prince Dhairyashirao Sayajirao Gaekwad Scholarship at Faculties of Arts, Social Work and Home Science	10,190-30
(viii) "Shri Ambalal Sarabhai Research Centre in Pharmacy" Faculty of Technology and Engineering	1,260-00
(ix) Prof. S. K. Roy Gold Medal	78,814-79
(x) Prof. K. H. Patel Gold Medal	720-00
(xi) Sayaji Iron Gold Medal	800-00
(xii) Virnagar Taluka Majoor Sahakari Mandali Limited Gold Medal	2,513-69
(xiii) Paramount Gold Medal	2,433-69
	2,353-70
Total	2,68,899-21

(ix) Distinguished Visitors :

- (1) Mr. T. Craig, Assistant Secretary General, Association of Commonwealth Universities, London—9th December, 1982.
- (2) Mr. Barnes, His excellency the U.S. Ambassador to India—9th December, 1982.
- (3) Shri K. C. Khanna, Editor, The Illustrated Weekly of India.
- (4) Ms. Margaret Atwood, well-known poet and writer.
- (5) Mr. Richard Lenner, English writer and scholar of culture.
- (6) Mr. Salman Rushdie, well-known novelist and writer of Indian origin settled in U.K.
- (7) Shri Manubhai Pancholi, well-known Gujarati writer.
- (8) Prof. Nurul Hasan, Historian and Vice-Chairman, C.S.I.R.
- (9) Prof. Umashanker Joshi, Poet, Critic, former President Sahitya Akademi.
- (10) Prof. D. T. Lakdawala, former Deputy Chairman, Planning Commission.

5. Teaching Staff

The teaching staff excluding teachers in the Medical College consisted of 89 Professors, 164 Readers, 615 Lecturers, 110 Teaching Assistants, 55 Part-time, 17 Honorary, Research and others, the total being 1,050. (Appendix XV).

6-A. Facilities to the Teaching Staff for further studies

- (i) Teachers who are granted facilities for participation in Conferences and Seminars etc. in India and abroad during the year 1982-83 :

Sr.No.	Name and Designation	Purpose
1.	Dr. Agrawal, P.R.L.K., Lecturer, Department of Applied Physics, Faculty of Tech. and Engg.	Ninth International Liquid Crystals Conference at Bangalore from 6-10 December, 1982.
2.	Smt. Anjari, V. N., Lecturer, Faculty of Social Work	to attend workshop on Family Planning at Saputara, 24-25 April, 1982.
3.	Dr. Aswani, M. V. Lecturer, Department of Zoology, Faculty of Science	VI All India Symposium on Comparative Animal Physiology, Rajasthan University, Jaipur, 10-12 March, 1983.
4.	Dr. Bajpai, G. Lecturer, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 29-30 December, 1982.

Sr.No.	Name and Designation	Purpose
5.	Dr. (Mrs.) Banerjee, G. Lecturer, Department of Pharmacy, Faculty of Tech. and Engg.	Indian Pharmaceutical Congress, Varanasi, U.P., 20-23 December, 1982.
6.	Shri Basa, D. K. Reader, Metallurgical and Engineering Department, Faculty of Tech. and Engg.	Annual Technical Convention of the Institute of Indian Foundrymen and the Technical Services Co-ordination Committee Meeting, Madras, 3-7 February, 1983.
7.	Dr. Bedi, S. J. Lecturer, Department of Botany, Faculty of Science	Intensive Workshop on Air Pollution Control Technology Organised by Central Pollution Board and Indian Association for Pollution Control at New Delhi, 27-29 January, 1983.
8.	Shri Bhan, K. K. Teaching Assistant, Department of Archaeology, Faculty of Arts	Joint Session of Indian Archaeological Society and Indian Society for Pre-histories and Quaternary Studies, New Delhi, 25-27 October, 1982.
9.	Dr. Bhatt, I. D. Lecturer, Department of Psychology, Faculty of Education and Psychology	70th Session of Indian Science Congress at Tirupati, 3-7 January, 1983.
10.	Dr. Bhatt, N. M. Lecturer, Department of Applied Chemistry, Faculty of Tech. and Engg.	National Seminar on Operative and Main- tenance of Water Supply and Waste Water Systems at Bangalore, 25-27 February, 1983.
11.	Dr. Bhatt, R. P. Reader, Department of Botany, Faculty of Science	to attend Workshop on Microbial and Molecular Genetics at Patna University, Patna, 6-26 February, 1983
12.	Dr. Bhatt, R. V. Professor and Head, Obstetrics and Gynaeco- logy, Medical College	(i) to attend the International Conferences and present paper on 'Mortality in Laparoscopic Sterilisation in Rural Camps in Gujarat.' (ii) to participate as nominee of the National Society for the FIGO/WHO Workshop. (iii) to attend the Executive Committee of Asia and Oceania Federation of Obs. and Gynec. as Chairman of the Maternal Mortality Sub-Committee at San- Francisco, 18-23 October, 1982.

Sr.No.	Name and Designation	Purpose
13.	Dr. Bhatt, V. P. Reader, Department of Physics, Faculty of Science	(i) to attend the National Seminar on Crystal Growth at Annamalai Univer- sity, Madras, 4-6 October, 1982. (ii) XIII National Seminar on Crystallo- graphy, Nagpur, 15-18 March, 1982.
14.	Prof. Bhattacharya, P. K. Department of Chemistry, Faculty of Science	(i) Annual Conference of Indian Council of Chemists at Srinagar, 6-9 November, 1982. (ii) to attend IV National Symposium on 'New Vistas on Organometallic Chemi- stry at Jaipur, 10-13 February, 1983.
15.	Prof. Bhavnani, H. V. Principal, Polytechnic	XII Annual Convention of ISTE at Hyderabad, 27-29 December, 1982.
16.	Shri Daftuar, C. N. Reader, Department of Psychology, Faculty of Education and Psychology	70th Session of Indian Science Congress at Tirupati, 3-8 January, 1983.
17.	Dr. Dave, J. S. Lecturer, Department of Applied Chemistry, Faculty of Tech. and Engg.	IX International Liquid Crystals Conference at Bangalore, 6-10 December, 1982.
18.	Dr. (Mrs.) De, J. Lecturer, Department of Geography, Faculty of Science	(i) Workshop on discipline in writing a research paper in Geography, University of Bombay, 26-27 June, 1982. (ii) IV Indian Geography Congress at Bombay, 1-3 December, 1982. (iii) National Conference on 'Impact of Development on Environment' at Calcutta, 21-23 January, 1983.
19.	Dean, Faculty of Medicine, Chairman, Board of Studies on Clinical subjects, Chairman, Board of Studies in Pre-Clinical subjects, Dr. Mehta, J., Faculty of Medicine	to attend joint meeting of under-graduate Medical Courses at Gujarat University, Ahmedabad, 4 July, 1982.

Sr.No.	Name and Designation	Purpose
20.	Dr. Desai, C. F. Teaching Assistant, Department of Physics, Faculty of Science	to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
21.	Dr. Desai, H. S. Reader, Department of Physics, Faculty of Science	IV National Workshop on Atomic and Molecular Physics, Indian Association for the University of Science at Calcutta, 13-18 December, 1982.
22.	Dr. Deshpande, P. W. Lecturer, Department of Physics, Faculty of Science	XIV National Seminar on Crystallography at I.I.T. Kharagpur, 20-23 December, 1982.
23.	Smt. Deshpande, U. Lecturer, Department of Sanskrit, Faculty of Arts	XXXI Session of the All-India Oriental Conference at Jaipur, 29-31 October, 1982.
24.	Dr. (Mrs.) Devi, S. G. Lecturer, Department of Chemistry, Faculty of Science	Indian Council of Chemistry at Srinagar, 6-8 November, 1982.
25.	Prof. Dholakia, H. C. Dean, Faculty of Law	All India Law Conference of Delhi at the Indian Law Institute, New Delhi, 17-20 December, 1982.
26.	Dr. Dholakia, R. H. Reader, Department of Economics, Faculty of Arts	(i) Block Level Planning Workshop at Surat, 4-6 October, 1982. (ii) Annual Conference of the Society for Studies in Regional Disparities at Bhopal, 27-29 November, 1982.
27.	Dr. Divatia, S. H. Reader and Head, Department of Philosophy, Faculty of Arts	57th Session of the Indian Philosophical Congress at Chandigarh, 30 November to 3 December, 1982.
28.	Dr. Gadekar, D. R. Reader, Department of Geology, Faculty of Science	(i) X Indian Colloquium on Micropalaeontology and Stratigraphy at Pune, 21-23 December, 1982. (ii) XVII All India Marathi Science Congress at Kolhapur, 25-27 December, 1982. (iii) 70th Indian Science Congress at Tirupati, 3-8 January, 1983.

Sr.No.	Name and Designation	Purpose
29.	Dr. Ganapathi, S. Lecturer, Department of Geology, Faculty of Science	(iv) for undertaking research in Geology in the University of California, Berkely and visit to research institutions in U.S.A. six weeks from 19th November, 1982. 70th Session of the Indian Science Congress at Tirupati, 3-8 January, 1983.
30.	Mrs. Gandotra, V. Lecturer, Home Manage- ment, Faculty of Home Science	to attend X Biennial Home Association Conference at Partnagar, 19-22 March, 1983.
31.	Shri Gollerkeri, R. S. Lecturer, Department of Geography, Faculty of Science	(i) IV Indian Geography Congress at Bombay, 1-3 December, 1982. (ii) National Conference on 'Impact of Development on Environment at Calcutta, 21-23 January, 1983.
32.	Dr. (Miss) Gon, M. Reader, Department of Psychology, Faculty of Education and Psychology	(i) XIII Annual Convention of Indian Association of Clinical Psychology, Department of Applied Psychology, Bombay University, 5-7 November, 1982. (ii) 70th Session of Indian Science Congress Association, Tirupati, 3-8 January, 1983.
33.	Prof. Gopaldas, T. Head, Department of Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association, Madras, 25-27 March, 1983.
34.	Dr. Gujaral, S. Lecturer, Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association, Madras, 25-27 March, 1983.
35.	Dr. Gupta, G. S. Lecturer, Department of Applied Chemistry, Faculty of Tech. and Engg.	IX International Liquid Crystal Conference at Bangalore, 6-10 December, 1982.
36.	Prof. Hegde, K. T. M. Department of Archaeo- logy, Faculty of Arts	to attend and participate in the Symposium, on 'Early Furnace Technology' at the Research Laboratory of the British Museum at London, 27 October to 6 November, 1982.

Sr.No.	Name and Designation	Purpose
37.	Shri Hors, R. U.G.C. Junior Research Fellow, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 28-30 December, 1982.
38.	Dr. Husain, A. Lecturer, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 28-30 December, 1982.
39.	Dr. Joneja, O. P. Lecturer, Department of English, Faculty of Arts	Indian Association for American Studies in Benaras Hindu University, Varanasi, 7-9 April, 1982.
40.	Shri Joshi, R. R. Principal, M. K. Amin Arts and Science College, Padra	to attend XIX Annual Conference of Gujarat Ganit Mandal of Sharda Gram, 29-30 November, 1982.
41.	Dr. Joshi, S. D. Reader, Department of Education, Faculty of Education and Psychology	XVI All India Sociological Conference, Annamalai University, Madras, 29-31 December, 1982.
42.	Prof. Kantawala, S. G. Head, Department of Sanskrit, Faculty of Arts	XXXI Session of the All India Oriental Conference at Jaipur, 29-31 October, 1982.
43.	Dr. Karanth, B. V. Lecturer, Department of Chemistry, Faculty of Science	National Symposium on Recent Trends in Chromatography at Roorkee, 29-31 October, 1982.
44.	Dr. Kekan, N. L. Lecturer, Department of Physics, Faculty of Science	(i) to attend Crystalline Growth at Annamalai University, Madras, 14-16 October, 1982. (ii) XIV International Crystallography Seminar on Crystallography at I.I.T. Kharagpur, 20-23 December, 1982.
45.	Dr. Lakhani, J. D. Assistant Professor of Medicine, Faculty of Medicine	XXXVIII Annual Conference of the Association of Physicians of India at Cuttack, 21-25 January, 1983.
46.	Dr. (Miss) Majumdar, N. H.	to attend Symposium on Fiber Optics at the Indian Institute of Science, Bangalore, 18-19 March, 1983.

Sr.No.	Name and Designation	Purpose
47.	Dr. Mathew, K. S. Reader, Department of History, Faculty of Arts	(i) Indian History Congress, 43rd Session at Kurukshetra from 29-30 December, 1982. (ii) to attend 'III International Seminar on Indo-Portuguese History' at Goa, 27-31 January, 1983.
48.	Dr. Mehta, A. R. Head, Department of Botany, Faculty of Science	Participation in the V International Congress on Plant Tissue and Cell Culture at Tokyo, Japan, 9-20 July, 1982.
49.	Dr. Mehta, K. C. Pro-Vice-Chancellor	to attend : (i) XII Annual Conference of IUCCER, (ii) IAMD held at Management Development Institute, Haryana, 26-27 March, 1983.
50.	Dr. Mehta, P. Lecturer, Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
51.	Prof. Merh, S. S. Head, Department of Geology, Faculty of Science	Indian Geological Congress at Varanasi, 9-12 November, 1982.
52.	Mrs. Mijra, N. Lecturer, Child Development, Faculty of Home Science	Indian Association of Pre-School Education at Poona,
53.	Shri Mishra, B. R. Lecturer, Department of Geography, Faculty of Science	Geographical Congress of Gujarat Geographical Association, Rajkot, 13th March, 1983.
54.	Prof. Misra, S. C. Head, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 29-30 December, 1982.
55.	Mrs. Modi, B. V. Head, Department of Linguistics, Faculty of Arts	Seminar on Language Variation and Language change at Hyderabad, 6-7 January, 1983.
56.	Dr. Momin, K. M. Lecturer, Department of Archaeology, Faculty of Arts	to attend joint Session of Indian Archaeological Society and Indian Society for Prehistoric and Quaternary Studies—Annual Conference at New Delhi, 25-27 October, 1982.

Sr.No.	Name and Designation	Purpose
57.	Mrs. Nanavaty, K. Lecturer, Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
58.	Dr. Otia, J. R. Lecturer, Department of Physics, Faculty of Science	IX International Liquid Crystal Conference at Bangalore, 6-10 December, 1982.
59.	Dr. Oza, G. M. Lecturer in Biological Science, General Education Department, Presently working in Botany Depart- ment, Faculty of Science	(i) INCN's Special Survival Commission Meeting at Kaula Lumpur, Malaysia, 4-6 October, 1982. (ii) Worked National Parks Congress at Bali, Indonesia, 11-12 October, 1982.
60.	Shri Oza, K. T. Lecturer, Department of Chemical Engineering, Polytechnic	Indian Institute of Chemical Engineer's Annual Session, Vishakpatnam.
61.	Dr. (Mrs.) Padhya, M. Lecturer, Department of Botany, Faculty of Science	(i) National Seminar on Tissue Culture Theme Potential Priorities and Applications of Plant Tissue Culture in Horticultural and Plantaticy Crops at CPCRI, Kasargod, Kerala, 2-4 March, 1983. (ii) National Seminar on Plant Propagation, Ridhemchandra Krishi Vishara Vidyalaya, Kalyani, West Bengal.
62.	Shri Pandya, B. A. Research Officer, Oriental Institute	XXXI Session of the All India Oriental Conference at Jaipur, 29-31 October, 1982.
63.	Dr. Pandya, G. R. Lecturer, Department of Physics, Faculty of Science	(i) XIII National Seminar on Crystallography, Nagpur, 15-18 March, 1982. (ii) to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
64.	Dr. Pandya, J. R. Reader, Department of Physics, Faculty of Science	National Seminar on Crystal Growth at A. C. College of Technology, Madras, 4-6 October, 1982.

Sr.No.	Name and Designation	Purpose
65.	Dr. Parekh, V. S. Lecturer, Department of Archaeology, Faculty of Arts	to attend joint Session of the Indian Archaeological Society and Indian Society for Pre-historic and Quaternary studies—Annual Conference at New Delhi, 25-27 October, 1982.
66.	Shri Parthasarathy, G. S. Reader, Department of Civil Engineering, Faculty of Tech. and Engg.	National Seminar on operative and Maintenance of Water Supply and Waste Water Systems at Bangalore, 25-27 February, 1983.
67.	Dr. Patel, A. G. Medical Superintendent, T.B. Hospital and Head, Department of T.B., Medical College	to attend XXV World Conference of the International Union Against Tuberculosis at Buenos Aires, 14-18 December, 1982.
68.	Smt. Patel, J.. Lecturer, Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
69.	Smt. Patel, J. B. Reader, Foods and Nutrition, Faculty of Home Science	International Conference of Food Science and Technology at Bangalore, 21-22 May, 1982.
70.	Shri Patel, M. M. Lecturer, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 29-30 December, 1982.
71.	Shri Patel, M. P. Lecturer, Department of Geology, Faculty of Science	70th Session of Indian Science Congress Association at Tirupati, 3-8 January, 1983.
72.	Shri Patel, N. V. Lecturer, Department of Mathematics, Faculty of Science	The Gujarat Ganit Mandal at Shardagram, 29-30 November, 1983.
73.	Dr. Patel, P. P. Lecturer, Department of Geology, Faculty of Science	IV International Congress of Engineering Geology at New Delhi, 10-15 December, 1982.
74.	Shri Patel, R. M. Teaching Assistant, Department of Physics, Faculty of Science	XIII National Seminar on Crystallography, Nagpur, 15-18 March, 1982.

Sr.No.	Name and Designation	Purpose
75.	Miss. Patel, U. R. Lecturer, Foods and Nutrition Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
76.	Prof. Pathak, C. H. Department of Botany, Faculty of Science	to attend 70th Session, Indian Science Congress Association at Tirupati, 2-9 January, 1983.
77.	Dr. Pathak, R. D. Lecturer, Department of Hindi, Faculty of Arts	(i) to attend the Conference of Gujarat Hindi Pradhypak Parishad at Keshod, 24-25 January, 1983. (ii) to attend the III World Hindi Convention at New Delhi, 19-21 March, 1983.
78.	Shri Pathak, V. D. Reader, Department of Applied Mathematics, Faculty of Tech. and Engg.	XIX Gujarat Ganit Mandal Annual Conference at Shardagram, 29-30 November, 1982.
79.	Dr. (Mrs.) Pathak, Y. C. Lecturer, Child Development, Faculty of Home Science	to attend 70th Session of the Indian Science Congress Association at Tirupati, 2-9 January, 1983.
80.	Mrs. Patil, A. Lecturer, Foods and Nutrition, Faculty of Home Science	to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
81.	Dr. Patil, N. A. Teaching Assistant, Department of Physics, Faculty of Science	(i) XIV National Seminar on Crystallography at I.I.T. Kharagpur, 20-23 December, 1982. (ii) to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
82.	Dr. Pilo, B. Reader, Department of Zoology, Faculty of Science	VI All India Symposium on Comparative Animal Physiology at Jaipur, 10-12 March, 1983.
83.	Dr. Potbhare, V. Lecturer, Department of Physics, Faculty of Science	Nuclear Physics and Solid State Physics Symposium of the Department of Atomic Energy at Benaras Hindu University, Varanasi, 27-31 December, 1982.

Sr.No.	Name and Designation	Purpose
84.	Shri Prajapati, J. J. Reader, Department of Civil Engineering, Faculty of Tech. and Engg.	National Symposium on Planning and Design of Water Resources System at Patna, 10-12 February, 1983.
85.	Dr. Rajyasune, H. M. Lecturer, Faculty of Social Work	to attend Workshop on Family Planning at Saputara, 24-25 April, 1982.
86.	Shri Rakeshrike, A. B. Research Fellow Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 28-30 December, 1982.
87.	Dr. Rama, H. S. Lecturer, Department of Chemistry, Faculty of Science	National Symposium on Recent Trends in Chromatography at Roorkee, 29-31 October, 1982.
88.	Dr. Rangaswamy, V. Lecturer, Department of Geography, Faculty of Science	(i) Irrigated Farming in India at Kolhapur, 6-9 December, 1982. (ii) IV Annual Conference of the Institute of Indian Geography at Kolhapur, 10-13 February, 1983.
89.	Shri Rao, N. S. Research Student, Faculty of Science	IV National Workshop on Atomic and Molecular Physics, Indian Association for the University of Science at Calcutta, 13-18 December, 1982.
90.	Shri Rao, R. Junior Research Fellow, Department of Biochemistry, Faculty of Science	51st S.B.C. Annual Meeting at Chandigarh, 18-20 November, 1982.
91.	Prof. Rathod, C. S. Department of Cooperation, Faculty of Commerce	Special Programme for University Teachers in Cooperation (X Course), 1-10 June, 1982.
92.	Shri Ravindrakumar Lecturer, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 29-30 December, 1982.
93.	Dr. Rawal, A. J. Reader, Department of Sanskrit, Faculty of Arts	XXXI Session of the All India Oriental Conference at Jaipur, 29-31 October, 1982.

<i>Sr.No.</i>	<i>Name and Designation</i>	<i>Purpose</i>
94.	Mrs. Seshadri, S. Lecturer, Foods and Nutrition, Faculty of Home Science	(i) International Conference of Food Science and Technology at Bangalore, 21-22 May, 1982. (ii) to attend the XVII Annual Convention of the Dietetics Association at Madras, 25-27 March, 1983.
95.	Shri Shah, A. K. Lecturer, Department of Applied Mechanics, Faculty of Tech. and Engg.	International Conference in Construction Practices and Instrumentation in Geotechnical Structures at Surat, December, 1982.
96.	Shri Shah, B. N. Reader, Department of English, Faculty of Arts	(i) to attend and participate in the Indian Association of American Studies at Benaras, 7-9 April, 1982. (ii) to participate in the Indian Association of American Studies, Madras, 17-19 February, 1983.
97.	Shri Shah, R. A. Lecturer, Department of Civil Engineering, Faculty of Tech. and Engg.	II National Conference on Sanitation at Calcutta, 4-6 November, 1982.
98.	Shri Shah, R. C. Lecturer, Department of Physics, Faculty of Science	(i) XIII National Seminar on Crystallography, Nagpur, 15-18 March, 1982. (ii) to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
99.	Prof. Shah, R. G. Department of Electrical Engineering, Faculty of Tech. and Engg.	(i) to attend National Conference on Computers in Education and Training at New Delhi, 26-27 March, 1983. (ii) Computer Society of India—Annual Convention at Ahmedabad, 19-21 November, 1982.
100.	Dr. Shah, S. K. Head, Department of Physics, Faculty of Science	Science Education in Gujarat in Eighties Organised by Gujarat Science Academy at Ahmedabad, 27 November, 1982.

<i>Sr.No.</i>	<i>Name and Designation</i>	<i>Purpose</i>
101.	Dr. Shah, V. M. Head, Department of Mathematics, Faculty of Science	(i) 48th Annual Conference of the Indian Mathematical Society at Bhagalpur, 26-28 December, 1982. (ii) 70th Session of the Indian Science Congress Association at Tirupati, 3-8 January, 1983.
102.	Dr. Sharma, G. D. Reader, Department of History, Faculty of Arts	Indian History Congress, 43rd Session at Kurukshetra, 29-30 December, 1982.
103.	Dr. Sharma, M. D. Head, Department of Banking and Business Finance, Faculty of Commerce	Symposium on 'Social Responsibility of Banks in Colonial Context' at Jaipur, 12 October, 1982.
104.	Dr. Sharma, S. N. Department of Plastic Surgery, Faculty of Medicine	XVII National Conference of Association of Plastic Surgery of India and Continuing Medical Education Programme at Trivandrum, 9-12 September, 1982
105.	Prof. Sheikh, G. M. Department of Painting, Faculty of Fine Arts	Lectures on Indian Art including Royal College of Art, St. Martin's School of Art and the Gloucestershire College of Arts and Technology during the Festival of India at London.
106.	Shri Shete, D. T. Lecturer, Department of Civil Engineering, Faculty of Tech. and Engg.	(i) National Symposium on Planning and Design of Water Resources System at Patna, 10-12 February, 1983. (ii) II National Conference on Sanitation at Calcutta, 4-6 November, 1982.
107.	Shri Shringarpure, D. M. Lecturer, Department of Geology, Faculty of Science	(i) VIII International Symposium on OSTRACODA—Application of Ostracoda to Economic and Scientific Problems at Texas, U.S.A., 26-30 July, 1982. (ii) XI International Congress on Sedimentology—McMaster University Hamilton, Ontario.
108.	Dr. Shroff, A. V. Reader, Department of Applied Mechanics, Faculty of Tech. and Engg.	International Conference on Construction Practice and Instrumentation in Geotech. Engineering at Surat, December, 1982.

Sr.No.	Name and Designation	Purpose
109.	Shri Singh, V. Reader, Department of Chemical Engineering, Faculty of Tech. and Engg.	to attend series of Lectures of Dr. C. A. Shook of Chemical Engineering Department, University at Sasatchewan, Canada at EIL, Delhi from 4-13 May, 1982.
110.	Dr. Singhal, J. P. Reader, Department of Mathematics, Faculty of Science	70th Session of the Indian Science Congress Association at Tirupati, 3-8 January, 1983.
111.	Shri Sinha, A. Teaching Assistant, Faculty of Fine Arts	U.G.C. Seminar on 'Regional Patterns in Ancient Indian Art' Organised at Gwalior, 21-23 February, 1983.
112.	Dr. Sinha, R. N. P. Head, Department of Geography, Faculty of Science	(i) International Conference on Food Systems of the World, Aligarh Muslim University, Aligarh, 15-20 February, 1983. (ii) I.G.U. International Symposium on Energy Resources, Environment and Habitat Transformation in the Developing Countries at Meerut, 16-20 March, 1982. (iii) Seminar on Cartography Education at Hyderabad, 16-17 September, 1982.
113.	Dr. Sonawane, V. H. Lecturer, Department of Archaeology, Faculty of Arts	Joint Session of the Indian Archaeological Society and Indian Society for Pre-historic and Quaternary Studies at New Delhi, 25-27 October, 1982.
114.	Dr. Sreehari, M. Head, Department of Statistics, Faculty of Science	70th Session of Indian Science Congress Association, Tirupati, 3-8 January, 1983.
115.	Dr. Srinivasan, S. S. Lecturer, Department of Archaeology, Faculty of Arts	XXXI Session of the All India Oriental Conference at Jaipur, 29-31 October, 1982.
116.	Dr. Suryavansi, B. S. Reader, Department of Archaeology, Faculty of Arts	to attend the IX Epigraphy Congress at Gorakhpur (U.P.), 2-4 March, 1983.

Sr.No.	Name and Designation	Purpose
117.	Shri Sutaria, P. N. Lecturer, Department of Civil Engineering, Faculty of Tech. and Engg.	National Seminar on Operation and Maintenance of Water Supply and Waste Water System at Bangalore, 25-27 February, 1983.
118.	Shri Thakkar, M. R. Reader, Department of Civil Engineering, Faculty of Tech. and Engg.	(i) National Conference on Sanitation at Calcutta, 4-6 November, 1982 (ii) XV Annual Convention of Indian Water Works Association at Bombay, 20-25 January, 1983.
119.	Prof. Trivedi, K. N. Head, Department of Chemistry, Faculty of Science	II Annual Conference of the Indian Council of Chemists at Shrinagar, 6-8 November, 1982.
120.	Dr. (Miss) Vaisham, N. Lecturer, Department of Physics, Faculty of Science	to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
121.	Dr. Vora, R. A. Reader, Department of Applied Chemistry, Faculty of Tech. and Engg.	IX International Liquid Crystals Conference at Bangalore, 6-10 December, 1982.
122.	Dr. Vyas, D. D. Teaching Assistant, Department of Physics, Faculty of Science	to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982.
123.	Shri Vyas, M. C. Teaching Assistant, Department of Physics, Faculty of Science	(i) to attend the National Seminar on Crystal Growth at Annamalai University, Madras, 4-6 October, 1982. (ii) XIII National Seminar on Crystallography, Nagpur, 15-18 March, 1982.
124.	Shri Vyas, P. D. Lecturer, Department of Civil Engineering, Faculty of Tech. and Engg.	National Seminar on Operative and Maintenance of Water Supply and Waste Water Systems at Bangalore, 25-27 February, 1983.
125.	Shri Wakankar, S. Y. Research Officer, Oriental Institute	XXXI Session of the All India Oriental Conference at Jaipur, 29-31 October, 1982.
126.	Prof. Yadav, M. S. Centre of Advanced Study in Education, Faculty of Education and Psychology	to attend a Workshop and Conference on Evaluation in Education and Training at Cairo, 4-6 January, 1983.

(ii) Teachers granted study leave under O. 209-F during the year under report :

Sr. No.	Name	Designation	Department	Period of leave and financial year	Purpose
1.	Smt. Parul Dave Faculty of Home Science	Lecturer, Child Develop- ment Depart- ment	Child Develop- ment	4-1-'83 to 3-1-'84 1982-83	to enable her to complete her Ph.D. work.

6-B. National and International level Awards, Prizes, etc.

Several teachers of the university were recipients during the year of awards, prizes, etc. at the national as well as international level. Principal among them at the international level were the following :

- (1) Prof. Bedekar, V. H. (Museology, Fine Arts)—attended an International Seminar on Museum documentation at Sydney, Australia, August, 1982.
- (2) Shri Bhatt, J. (Painting, Fine Arts)—invited to exhibit his photographs at the 'Other India' exhibition of Photographs organised by the Museum of Modern Art at Oxford, U.K., August, 1982.
- (3) Dr. Gadekar, D. R. (Geology, Science)—continued as correspondent for Smithsonian Institution, U.S.A. for Scientific Event Alert Network.
- (4) Shri Kaneria, R. (Sculpture, Fine Arts)—
 - (i) invited to exhibit his photographs at the 'Other India' exhibition of photographs organised by the Museum of Modern Art at Oxford, U.K., August, 1982.
 - (ii) awarded the first prize and a shield at the VII Photo contest of Asian Culture Centre for UNESCO, Tokyo, Japan.
- (5) Dr. Oza, G. M. (Botany, Science)
 - (i) invited to serve as Associate Editor of *International Perspectives in Public Health*, New York, U.S.A., for environment and conservation.
 - (ii) elected to membership of UNCN, Switzerland.
- (6) Prof. Patel, R. C. (Civil Engineering, Technology and Engineering)—visited various technical institutes and university departments in U.S.A. and U.K., especially for reviewing the developments in the fields of Aerodynamics and Jet Propulsion and Turbo-Machinery.
- (7) Dr. Pilo, B. (Zoology, Science)—invited to Canada as Visiting Professor for the year 1982-83.

Principal among those who won recognition at the national level were :

- (1) Shri Bhatt, J. (Painting, Fine Arts)—appointed Commissioner to accompany the Exhibition of Indian Graphic Prints to Cuba under Indo-Cuban Cultural Exchange Programme August 1982.
- (2) Prof. Bhatt, M. (Dramatics, Fine Arts)—Munshi Premchand Award for contribution in Theatre Arts, All India Artists Association, Simla.
- (3) Dr. Bhatt, R. V. (Gynaecology, Medicine)—
 - (i) made Fellow, Academy of Medical Sciences, New Delhi.
 - (ii) awarded the Hariom Ashram Prerit Prize for outstanding work in Obstetrics and Gynaecology.
- (4) Dr. Bhat, V. P. (Physics, Science)—awarded the Hariom Ashram Prerit Bhaikaka Inter-University Smarak Trust Prize for 1980-81.
- (5) Prof. Chandrasekhar, C. V. (Dance, Fine Arts)—appointed member of Central Scholarship Committee, Department of Culture and Education, Government of India, New Delhi.
- (6) Shri Deshpande, M. S. (Applied Art, Fine Arts)—selected as Teacher-Scholar under Indo-GDR Cultural Exchange Programme for 1983.
- (7) Prof. Dholakia, H. C. (Law)—
 - (i) elected on the Governing Council of the Indian Law Institute, New Delhi.
 - (ii) appointed Expert Member, U.G.C. Panel for Law.
- (8) Dr. Gadekar, D. R. (Geology, Science)—visited American Universities and research institutions under Indo-U.S. Scientists Exchange Programme.
- (9) Dr. Gulati, O. D. (Pharmacology, Medicine)—invited to deliver the B. N. Ghosh Memorial Oration at Chandigarh by the Indian Pharmacological Society, November, 1982.
- (10) Prof. Kantawala, S. G. (Sanskrit, Arts)—
 - (i) honorary degree of 'Mahamahopadhyaya' conferred by Maithili Vishwavidyapeeth, Bihar, September, 1982.
 - (ii) honoured as 'Vishishta Scholar' by Rajasthan Sanskrit Samad, Jaipur, October, 1982.
- (11) Dr. Karmakar, S. R. (Tech. and Engg.)—recognised as Fellow of Textile Association by All India Textile Association, 1983.
- (12) Prof. Misra, S. C. (History, Arts)—
 - (i) elected General President, Indian History Congress for 1982.
 - (ii) awarded U.G.C. Visiting Professorship to the U.S.
- (13) Dr. Misra, S. N. (Chemistry, Science)—awarded the degree of D.Sc. by Jodhpur University.

- (14) Mr. Navale, A. S. (Social Work)—Junior Chamber Award for being Outstanding Young Person of Baroda City for 1982.
- (15) Prof. Parimoo, R. (Art History, Fine Arts)—
 (i) elected Executive Secretary, Indian Association of Art Historians for 1982-84.
 (ii) nominated on U.G.C. Panel of Experts for Art History and Museology, 1982-84.
- (16) Prof. Patel, R. C. (Civil Engineering, Technology and Engineering)—
 (i) unanimously elected as President of the Indian Society for Technical Education for 1983. In the past he was elected twice as President of ISTE for the years 1981 and 1982.
 (ii) member of State Industries Development Panel for Heavy Engineering, Gujarat State
 (iii) Chairman of Institution of Engineers (India) Gujarat State Centre, Ahmedabad.
 (iv) Member of Board of Management Studies, Ministry of Education and Culture, Government of India.
 (v) Member of Board of Post-graduate Studies and Research in Engineering and Technology, Ministry of Education, Government of India.
 (vi) Member of Western Regional Committee of All India Council of Technical Education, Ministry of Education, Government of India.
 (vii) Member of Governing Body of Regional Engineering College Nagpur as a representative of University Grants Commission, New Delhi.
 (viii) Member of the Board of Management, Bhailalbai and Bhikhabai Polytechnic, Vallabh Vidyanagar.
- (17) Prof. Saxena, S. K. (Music, Fine Arts)—Gujarat State Sangeet Natak Akademi Award for outstanding contribution in Music.
- (18) Dr. Shah, D. N. (Public Health, Medicine)—Dr. Mishra Memorial Award for best unpublished papers by NAMS, New Delhi.
- (19) Prof. Sheikh, G. T. (Painting, Fine Arts)—
 (i) award of Padmashri, President of India.
 (ii) nominated member for Design and Technology Committee, All-India Handloom and Handicrafts Board, New Delhi
- (20) Dr. Shrinivaspure, D. M. (Geology, Science) and Nayak, S. (Geology, Science)—jointly awarded the Hariom Ashram Prerit Prize for the Best Research Paper in Geology and Geography.

Among notable awards to students of the University the following merit special mention :

- (1) Students of the Department of Architecture, Faculty of Technology and Engineering won two prizes for best designs at the competition held by the National Association of Students of Architecture, New Delhi, January, 1983.
- (2) Kum. Joshi, S. (Child Development, Home Science) and Kum. Patel, S. (Home Science)—were awarded the International Rotary Scholarship to the U.S.

7. University Examination Results

86 Candidates were declared qualified for the award of Ph.D. degree of this university during the year 1982-83. The statement showing their names, subjects and titles of the thesis is given in Appendix XI.

The statements showing the University examinations results of (i) March-April-May-June 1982 and (ii) October-November, 1982 are given in Appendices XII and XIII.

8. Endowments and Donation

The Syndicate accepted the following donation during the year :

Sr. No.	Name of the Fund	Amount of Donation	Purpose
1.	Prof. T. K. N. Menon Memorial Prize donated by Dr. Dayaram K. Patel of Bardoli	Rs. 9,000/-	For awarding a cash prize to a regular student who has passed the Final Year B.Ed. Examination conducted by the M. S. University of Baroda in March/April at first attempt, obtaining the highest number of marks/grade from amongst all the students who have appeared at the said examination.

9. Finances of the University

(i) Capital Accounts :

Statement showing the income and expenditure of the (i) University General Fund, (ii) Ayurvedic Research Fund, (iii) Post-graduate Instruction and Research Fund during the financial year 1982-83 are given in Appendix XX.

(ii) *Revenue Accounts*

The receipts and disbursements during the financial year 1982-83 were Rs. 4,99,21,897-39 and Rs. 5,44,65,250-75 respectively leaving a deficit of Rs. 45,43,353-36. Details of the Accounts are given in Appendix XXI.

(iii) *Grants :*

The University received grants totalling Rs. 78,50,982-25 for Development Schemes from the University Grants Commission and the Government of Gujarat and for various research schemes from the Central Ministries, State Government and outside agencies. The details are given in Appendix XXII.

10. *Construction Division*

(i) *Capital Works :*

The Division supervised the work of various building, additions and alterations and an amount of Rs. 17,81,872-19 was spent during the year on Capital Works.

(ii) *Ordinary and Special Repairs :*

The expenditure on Ordinary Repairs during the year was Rs. 3,56,697-38 and Special Repairs was Rs. 12,236-34.

11. *Obituary*

The University expresses its sense of sorrow at the demise of the following employees/students who died in harness :

Sr.No.	Name	Designation	Date
1.	Shri M. N. Kadi	Peon/Cleaner in Library of Polytechnic	Expired on 9-3-1983
2.	Shri Jayesh R. Modi	Student of F.Y.B.Sc. (Maths.)	Expired on 9-2-1983
3.	Smt. Sandhya U. Shukla	Student of IInd Year of B.Mus. Bharat Natyam Dance	Expired on 27-10-1982
4.	Shri L. K. Godse	Part-time Shukla Yajurveda Guru	Expired on 8-5-1982
5.	Shri K. M. Shah	Lecturer in Textile Engineering Department in Technology and Engineering	Expired on 26-5-1982
6.	Shri B. S. Mali	Cleaner in Technology and Engineering	Expired on 13-1-1983

CHAPTER II

1. *The Syndicate*

The Syndicate consisted of 25 members. The following persons were members of the Syndicate :

1. Professor B. C. Parekh, Vice-Chancellor
2. Professor K. C. Mehta, Pro-Vice-Chancellor
3. Director of Higher Education
4. Director of Technical Education
5. Director of Health, Medical Service and Education
6. Professor D. B. Desai
7. Professor H. C. Dholakia
8. Professor V. N. Kothari
9. Shri R. R. Joshi
10. Shri C. S. Chawla
11. Shri N. D. Chokshi
12. Shri R. P. Gaekwad
- *13. Smt. Aruna S. Mehta
- @ Dr. N. D. Desai
14. Shri M. D. Parikh
15. Shri D. K. Patel
16. Professor (Smt.) Amita B. Verma
17. Dr. R. F. Patel
18. Dr. (Miss) Jayshree P. Mehta
19. Shri J. R. Shah
20. Shri H. J. Parikh
21. Shri A. S. Navale
22. Dr. S. M. Purohit
23. Shri Mahendrasinh Chauhan
24. Professor O. H. Patel
25. Dr. S. K. Shah

* Ceased to be a member from 22-8-82.

@ Became a member from 6-11-82.

During the year, the Syndicate held 18 (12 + 6) meetings at which 849 items were considered and resolutions passed on them. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year :

Sr. No.	Name	Present
1	2	3
1.	Professor B. C. Parekh, Vice Chancellor	O. 10 S. 05
2.	Professor K. C. Mehta, Pro-Vice-Chancellor	O. 11 S. 06
3.	Director of Higher Education or his nominee	O. 02 S. 01
4.	Director of Technical Education	O. 05 S. —
5.	Director of Health, Medical Services and Education	O. — S. —
6.	Professor D. B. Desai	O. 11 S. 06
7.	Professor H. C. Dholakia	O. 11 S. 06
8.	Professor V. N. Kothari	O. 12 S. 06
9.	Shri R. R. Joshi	O. 12 S. 06
10.	Shri C. S. Chawla	O. 09 S. 05
11.	Shri N. D. Chokshi	O. 12 S. 05
12.	Shri R. P. Gaekwad	O. 05 S. 02
13.	Smt. Aruna S. Mehta	O. 01 S. 03
14.	Dr. N. D. Desai	O. 05 S. 01
15.	Shri M. D. Parikh	O. 12 S. 06
16.	Shri D. K. Patel	O. 07 S. 06
17.	Professor (Smt.) Amita B. Verma	O. 11 S. 05
18.	Dr. R. F. Patel	O. 11 S. 05
19.	Dr. (Miss) Jayshree P. Mehta	O. 11 S. 05
20.	Shri J. R. Shah	O. 12 S. 06
21.	Shri H. J. Parikh	O. 12 S. 06 O. 09 S. 02

1	2	3
22.	Shri A. S. Navale	O. 12 S. 06
23.	Dr. S. M. Purohit	O. 08 S. 05
24.	Shri Mahendrasinh Chauhan	O. 05 S. 01
25.	Professor O. H. Patel	O. 10 S. 03
26.	Dr. S. K. Shah	O. 10 S. 06

2. The Senate :

The Senate consisted of 89 members. The changes in the membership during the year were as under :

(i) The following persons ceased to be the members of the Senate:

1. Shri P. K. Laheri, Director of Higher Education
2. Dr. P. C. Parikh, Chairman, Gujarat S. E. Board
3. Dr. Shambhu Dayal, Director of Employment and Training
4. Professor R. N. Mehta
5. Dr. S. R. Yardi
6. Shri B. N. Shah
7. Shri J. P. Thaker
8. Shri Hector S. Patel, Vice-President, M. S. U. Union
9. Shri Nilesh J. Shukla, General Secretary, M. S. U. Union

(ii) The following persons became members of the Senate :

1. Shri N. Gopalaswami, Director of Higher Education
2. Shri H. N. Shah, Chairman, Gujarat S. E. Board
3. Shri B. K. Sinha, Director of Employment and Training
4. Professor A. P. Rana
5. Professor G. C. Beri
6. Professor H. V. Bhavnani
7. Shri R. J. Darji, Vice-President, M. S. Uni. Union
8. Shri P. C. Kothari, General Secretary, M. S. Uni. Union

(iii) The following is the list of members as on 31-3-1983 :

1. Shri Fatehsinhrao Pratapsinhrao Gaekwad
2. Professor B. C. Parckh
3. Professor P. J. Madan
4. Professor K. C. Mehta
5. Shri K. A. Amin
6. Dr. L. M. Padhya
7. Shri N. Gopaldaswami
8. Professor S. B. Kumta
9. Dr. Om Prakash Gupta
10. Shri H. N. Shah
11. Shri B. K. Sinha
12. Professor A. P. Rana
13. Professor V. V. Mody.
14. Professor D. B. Desai
15. Professor G. C. Beri
16. Dr. O. D. Gulati
17. Professor O. H. Patel
18. Professor H. C. Dholakia
19. Professor J. D. Patel
20. Professor (Smt.) Amita B. Verma
21. Shri K. M. Sharma
22. Professor C. V. Chandrasekhar
23. Professor H. V. Bhavnani
24. Dr. J. R. Pathak
25. Shri R. R. Joshi
26. Dr. (Miss.) Malathi Chakravorty
27. Director, Oriental Institute
28. Dr. S. K. Bhowmik
29. Professor V. N. Kothari
30. Her Highness Maharani Shantadevi Gaekwad of Baroda
31. Shri Morarji R. Desai
32. Shri Indubhai C. Patel
33. Shri K. K. Shah
34. Dr. Jatin V. Modi
35. Shri R. M. Pancholi
36. Shri Rajnikant J. Darji
37. Shri Purvish C. Kothari
38. Professor Rashmikant N. Mehta
39. Professor H. P. Chokshi
40. Dr. Raajibhai F. Patel

41. Professor R. C. Patel
42. Professor M. J. Bhatt
43. Shri Ankamma Pepalla
44. Dr. R. P. Bhatt
45. Dr. I. D. Bhatt
46. Dr. D. S. Pathak
47. Dr. (Miss) Jayshree P. Mehta
48. Dr. J. M. Lohar
49. Shri R. M. Pandya
50. Dr. (Kum.) Nalini Ogale
51. Shri A. S. Navale
52. Shri H. J. Parikh
53. Shri J. R. Shah
54. Shri N. C. Shukla
55. Shri N. K. Anadkat
56. Shri B. P. Pandya
57. Shri M. D. Parikh
58. Shri N. D. Desai
59. Shri K. G. Patel
60. Shri M. R. Patel
61. Shri Jatin H. Sheth
62. Shri J. Y. Rajput
63. Shri H. B. Zaveri
64. Shri G. B. Nimbalkar
65. Smt. Amarjyoti B. Patel
66. Shri Jayendra S. Shah
67. Shri C. S. Chawla
68. Shri P. L. Patel
69. Shri C. H. Rao
70. Dr. Shirish M. Purohit
71. Shri C. N. Patel
72. Shri D. K. Patel
73. Shri H. A. Contractor
74. Shri N. D. Chokshi
75. Shri M. C. Pathak
76. Smt. Pupul Jaykar
77. Shri Raajibhai C. Patel
78. Shri A. G. Patel
79. Professor S. S. Merh
80. Shri N. A. Parikh
81. Shri Ranjitsinh P. Gaekwad

for guiding
 to submit theses
 students for Ph.D. degree
 the titles of theses for Ph.D.,
 an, Director, Central Salt and
 acute, Bhavnagar, as a Post-graduate
 dates whose registration was cancelled
 tuition fees under O.Ph.D. 4 (ii) and
 ant for a project for 1983-'84.

2. Faculties

There are ten Faculties in the University. Their meetings were held during the year as shown below :

Sr No.	Name of the Faculty	Date of the meeting
1.	Science	20-1-1983
2.	Commerce	14-2-1983
3.	Education and Psychology	21-1-1983
4.	Medicine	21-2-1983
5.	Fine Arts	3-2-1983
6.	Home Science	17-2-1983

There were no meetings of the Faculties of (i) Arts, (ii) Technology and Engineering, (iii) Law and (iv) Social Work during the period under report.

The following were the main items considered and recommended by the Faculties and approved subsequently by the Syndicate.

Faculty of Science :

Approval of additional criteria to assess students at the M.Sc. examination.

Faculty of Education and Psychology :

(a) Revision of O. M.Ed. 1, O. B.Ed. 3 (E), O. B.Ed. 7 (i) (a) and O. B.Ed. 7 (vi).

(b) Addition of school subjects in the provision contained in O. B.Ed. (ii).

Faculty of Commerce :

(a) Approval of the syllabus of "Economics of Money and Credit in Developing Countries" for M.Com. (Final) (Major), and change of title of the paper from "Public Finance and Fiscal Policy" to "Economics of Human Resources and Manpower Planning" at M.Com., P. II.

(b) Constitution of a separate Board with one internal and one external member for conducting the viva-voce at M.Com. P. I and M.Com. P. II for each of the major subjects.

Faculty of Medicine :

(e) Acceptance in principle of the recommendations of the Medical Council of India on graduate Medical Education (under-graduate medical curriculum) as adopted by the Council at its meeting held on 19th, March, 1981, with the recommendations of the Faculty of Medicine.

(b) Revision of the syllabus in the subject of Paediatrics of S.Y.B. Physio.

Faculty of Fine Arts :

Approval of the scheme of examination of the Post-Diploma Course in Dance (Nattuvangam).

Faculty of Home Science :

(a) Introduction of one Credit Course in Science and Mathematics activities for young children at the P.G. Diploma in Pre-School Education Programme and M.Sc. (Home) Early Childhood Education Programme.

(b) Introduction of H.M. 374 a four-credit 'Housing and Space Designing' course in place of HM 371 four-credit "Interior Design and Furnishing."

(c) Distribution of ten credits of related course of M.Sc. (Home)-Child Development programme as proposed and approval of the outlines of the course "Scientific Writing in Social and Behavioural Science".

(d) Revision of the outline of the old course of the B.Sc. (Home) and approval of the detailed outlines of the course numbers and semester-wise distribution of the new courses of B.Sc. (Home)—Home Science Education and Extension Programme.

(e) Revision of C.T. 348-3 credit seminar into C.T. 348-2-4 credit seminar and/or term paper.

(f) Approval of the proposal of giving preference in admission to F.Y.B.Sc. (Home) to the students who have passed Higher Secondary Certificate Examination (XII Std.) with Home Science stream of the Gujarat Secondary Education Board or an examination recognised equivalent thereto.

(g) Revision of the ordinances of B.Sc. (Home) Degree course.

(h) Recommendation for approval of the items for reduction of the number of credits for 'Learning during early years' at the P.G. Diploma in Pre-School Education Programme and addition of the related course C.T. 548-3 credit 'Principles of Renovation of Clothing and their application' as also change in the title of H.M. 373 to "Retailing and Merchandising".

3. Board of Studies

There are 57 Boards of Studies in different subjects. The following Boards met during the year as shown below :

Sr.No.	Name of the Board	Date of Meeting
1.	Sanskrit, Pali and Prakrit Languages and Literature	16th August, 1982
2.	Persian, Urdu and other Asian Languages and Literature	24th August, 1982
3.	Hindi Language and Literature	20th August, 1982
4.	Gujarati Language and Literature	20th August, 1982
5.	Marathi Language and Literature	24th August, 1982
6.	English Language and Literature	14th August, 1982
7.	Modern and Ancient European Languages and Literature	25th August, 1982
8.	Archaeology, Ancient History and Culture	19th August, 1982
9.	History	27th August, 1982
10.	Philosophy	17th August, 1982
11.	Linguistics	16th August, 1982
12.	Library Science	17th September, 1982
13.	Political Science	17th September, 1982
14.	Economics	25th August, 1982
15.	Sociology	23rd August, 1982
16.	Physics and Meteorology	7th February, 1982
17.	Chemistry	30th August, 1982
18.	Botany	30th August, 1982
19.	Zoology	18th September, 1982
20.	Bio-chemistry	4th September, 1982
21.	Microbiology	3rd September, 1982
22.	Geology	2nd September, 1982
23.	Mathematics	3rd September, 1982
24.	Statistics and Actuarial Science	31st August, 1982
25.	Geography	31st August, 1982
26.	Education and Educational Administration	5th October, 1982
27.	Psychology	25th October, 1982
28.	Banking and Business Finance	6th September, 1982
29.	Accounts	7th September, 1982
30.	Commerce including Business Administration	7th September, 1982
31.	Business Economics	8th September, 1982
32.	Co-operation	8th September, 1982
		9th September, 1982

Sr.No.	Name of the Board	Date of Meeting
33.	Anatomy and Physiology	19th June, 1982
	and	13th September, 1982
34.	Pathological Science, Pharmacology and Forensic Medicine	19th June, 1982
	and	12th October, 1982
35.	Medicine, Surgery, Midwifery etc.	19th June, 1982
	and	13th October, 1982
		12th October, 1982
36.	Physiotherapy	18th September, 1982
37.	Chemical Engineering	20th September, 1982
38.	Architecture	20th September, 1982
39.	Applied Chemistry	21st September, 1982
40.	Applied Physics	21st September, 1982
41.	Applied Mathematics	22nd September, 1982
42.	Civil Engineering and Applied Mechanics	22nd September, 1982
43.	Pharmacy	23rd September, 1982
44.	Mechanical Engineering	23rd September, 1982
45.	Technology (Textile)	24th September, 1982
46.	Metallurgical Engineering	24th September, 1982
47.	Electrical Engineering and Electronics	25th September, 1982
48.	Law	
49.	Painting, Sculpture, Applied Arts, Art History and Graphic Arts	15th September, 1982
50.	Music, Dance and Dramatics	16th September, 1982
51.	Museology	16th September, 1982
52.	Child Development	13th September, 1982
53.	Foods and Nutrition	13th September, 1982
54.	Home Science Education and Extension	14th September, 1982
55.	Clothing and Textiles	14th September, 1982
56.	Home Management	15th September, 1982
57.	Social Work	17th March, 1983

The important recommendations of the Boards have been included in those of the faculties mentioned in the preceding paragraphs.

CHAPTER IV

1. University Board of Sports :

The Board held three meetings during the year. Among its important recommendations were: (1) Deputation of two members of the Department of Physical Education as observers to the Asian Games of 1982 at Delhi, (2) Revision of salaries of groundboys, temporary sweepers and tennis ballboys with effect from 1-4-1983, (3) Publication of a souvenir on the occasion of South Zone Inter-University Tennis Tournament, (4) Participation of the University team on various Inter-University Tournaments.

2. Publication Board :

The Board at its meeting recommended and/or sanctioned grants for publication of the following works :

1. Meghadutavyakhya
2. Paraskaraghyakarikh
3. Bhavadeva's Commentary on Sandilya's Bhaktisutras
4. Sarvasaranirnaya, and
5. Structure of Profit Rates in Indian Manufacturing Industries.

The following works were referred to the University Grants Commission for sanctioning necessary grant outside the general scheme of the University Grants Commission :

1. Reprinting of Balakanda—Fascicule II of Vol. I of Valmiki Ramayana
2. Trikh-I-Gujarat

It recommended a procedure for getting expert opinions on research work, books, etc. before undertaking publication and printing.

It also recommended that the following be referred to two external referees:

- (1) Growth of Indo Persian Literature in Gujarat
- (2) A Study of Professional Management in Urban Cooperative Banks in Baroda City.
- (3) Monograph on Opinions of M. S. University Students on Sex and Marriage.
- (4) Proceedings of the Symposium " Geography and Rural Development "
- (5) The Brhadaranyaka Upanishad—A Critical Study
- (6) Sculpture of Sheshashayin Vishnu—A Survey Iconological Interpretation, Formal Analysis.

30. Com-
31. Business Economics
32. Co-operation

3. Standing Committee on Equivalence of Examinations :

The Committee met on 13th May, 1982 and considered items regarding equivalence of various examinations. The decisions taken at the meeting are as under :

- (a) The (i) S.S.C. (Xth Std.) and (ii) Senior School Certificate (XII Std.) examinations conducted by the Directorate of Army Education at Army Headquarters, New Delhi be recognised as equivalent to the corresponding (i) New S.S.C. (Xth Std.) and (ii) Higher Secondary School Certificate (XIIth Std.) examinations of the Board of Secondary Education, Gujarat State, respectively for purposes of admission to available higher courses of studies in this University, provided the said examination/s is/are passed as a regular candidate and the students concerned are otherwise eligible for admission thereto as per existing rules.
- (b) The Diploma Course in (i) Accountancy and (ii) Secretarial Assistant and Salesmanship and Marketing introduced by the Government of Gujarat, Director of Education, Ahmedabad be recognised as equivalent to the F.Y.B.Com. examination of this University for purposes of admission to S.Y.B.Com. class of this University in the respective special subjects, provided the said examination/s is/are passed as a regular candidate and the student is otherwise eligible for admission thereto as per existing rules.
- (c) The Diploma examination in Man Made Fibre (Wet Processing) conducted by the Technical Examination Board, Gujarat State, Ahmedabad be not recognised as equivalent to the F.Y.B.Sc. examination of this University for purpose of admission to higher courses of studies in this University.
- (d) The B.A./B.Sc. Hons. course conducted by the Benaras Hindu University, Varanasi be recognised as equivalent to the B.Sc. (Home) examination of this University on reciprocal basis subject to provision of 0.173 (A) under which the Dean of the Faculty of Home Science is empowered to conduct an admission test/prescribe certain prerequisites to be satisfied by such students etc. in order to satisfy academically the Faculty about such admissions.
- (e) The report of the action taken by the Vice-Chancellor/Pro-Vice-Chancellor under Section 11 (5) (A) and 12 (5) of the Act 0.177 in deciding the eligibility of 75 students for admissions to various courses of this University be noted.

4. Committee of Deans of Faculties and Heads of Institutions :

The Committee held four meetings during the year at which the following were considered : policy with regard to Internal Tests, Marks System, devising systems for setting test papers U.G.C.'s Merit Promotion Scheme, Commencement of vacation, 6th Plan Proposals, reorganising the existing arrangement of security services in the Faculties/Institutions/University Building, question of supervision of clearing the roads surrounding the premises of the Faculties/Institutions/University Buildings, decentralising competitions etc. during the Union Youth Festival.

5. Press Supervisory Committee :

Five meetings of the Press Supervisory Committee were held during the year. At these meetings the reports of the Press Manager regarding the working of the Press, Stationery Unit, Publication and Sales Unit, and Printing Programme, purchase of paper, equipment, stationery, were considered. It also recommended that the printing of Appendices of the minutes of the Syndicate meetings be dropped and the present practice of sending the Syndicate minutes, without Appendices, to Senate members be continued.

6. Warden's Committee :

Two meetings of the Wardens' Committee were held during the year. At these meetings, recommendations were made about Faculty-wise and Hall-wise allocation of seats for students in the first and second terms of the academic year.

7. National Service Scheme (N.S.S.) :

One meeting of the Advisory Committee of National Service Scheme was held during the year. It approved the report of (i) the Special Camping Programme and (ii) General Activities of N.S.S. It recommended enrolment of 1500 students for regular activities and 500 students for special Camping Programme for the year.

8. Selection Committees :

During the period from 1-4-1982 to 31-3-1983, there were 26 meetings of the Selection Committee appointed under Section 48 (2) and they recommended 15 candidates for appointment to the posts of Professors and/or Readers in various Faculties and Institutions in the University. There were 34 meetings of the Standing Selection Committee for Junior posts and they recommended 45 candidates for appointment to various posts in the University. In all 63 meetings for the Class III posts were held and 54 candidates were recommended.

Of these, 22 meetings were held by the Committees appointed for Transferable posts and 41 meetings were held by the Committees appointed for Non-Transferable posts, they recommended 19 and 35 candidates respectively for appointment to posts at the various Institutions in the University.

9. M. S. University Student's Aid Fund Committee :

The Committee met on 15th February, 1983. The total amount of help given to students by way of tuition fees, examination fees, drawing materials, educational equipment, etc. during the year 1982-1983 was Rs. 38,302/-.

10. Board of Extra Mural Studies :

The meeting of Board which was held on 24-9-82 recommended a programme of Extension lectures by University teachers and outside experts for which an amount of Rs. 11,950/- was sanctioned.

11. Advisory Committee for the University Health Centre :

Two meetings of the Committee were held during the year and recommended the appointments of members of Drug Purchase Committee and a panel to advise the Vice-Chancellor for the operation of Medical Attendance rule No. 10 (c). It also recommended that the Medical Officer of the University Health Centre be allowed private practice on certain conditions during his off-duty hours. The Committee also considered the cases of re-imbursement for the treatment taken in private hospitals.

12. Library Committee :

The Committee recommended the scheme of allocation of the sixth plan U.G.C. Block grant of Rs. 50,000/-.

13. Sir Sayajirao III Memorial Research Prize Fund Committee :

The Committee met twice for scrutinizing the essays on "आधुनिक मानव संदर्भमा धारक अण तरीके धम" for the year 1979-80 and "सांख्यिक विकास माटे आंदोलने अनिवार्य छे" for the year 1980-81. The essay prizes were awarded to Dr. R. G. Sharma and Kum. Rajal T. Vakil for writing the best essays for the year 1979-80 and 1980-81 respectively.

CHAPTER V

1. During the year 125 new students were registered for the Ph.D. degree. Their Faculty-wise break-up is: Arts—31, Science—35, Commerce—6, Education and Psychology—10, Home Science—3, Medicine—6, Technology and Engineering—25, and Fine Arts (including Music College)—9.

During the year 1982-83, the number of students actively pursuing Ph.D. Research Work in the various Faculties was as under :

Sr.No.	Faculty	Number
1.	Faculty of Arts	156
2.	Faculty of Science	80
3.	Faculty of Commerce	25
4.	Faculty of Education and Psychology	70
5.	Faculty of Home Science	19
6.	Faculty of Medicine	20
7.	Faculty of Technology and Engineering	74
8.	Faculty of Law	8
9.	Faculty of Fine Arts (including Music College)	28
10.	Faculty of Social Work	4
Grand Total		484

2. Research Schemes Financed by the University for 1982-83

Sr.No.	Name of the Teacher/s	Title of the Research Scheme
--------	-----------------------	------------------------------

Faculty of Arts

- | | | |
|----|----------------|--|
| 1. | Shukla R. L. | "Myth Archetype and literature (with special reference to Hindi Literature). |
| 2. | Seshadri C. K. | Preparation of Teaching Material in English for use in the Faculty of Law. |

Sr.No.	Name of the Teacher/s	Title of the Research Scheme
--------	-----------------------	------------------------------

Faculty of Science

3. Miss Ahmed Sayed Zaynab Sultana
Impact of time on Tandalji
4. Chhatpar H. S.
Some Regulatory aspects of Carbohydrate Metabolism in *Nearospara Crossa*.
5. Shringarpure D. M.
Iconological Investigation of the Mesozoic and Tertiary Rocks of Kutch.
6. Dr. (Mrs.) Menon Jaishri G.
Experimental Studies on appendage Regeneration in Adult Reptiles and Larval amphibians
7. Patel P. V.
Certain Histophysiological and Biochemical studies in some Tissues of Diabetic Rats.
8. Ramchandran A. V.
Pineal in Carbohydrate Metabolism.
9. Chauhan B. C.
Toxicological Behavioural and Physiological effects of psychoactive Drug Lithium Carbonate.
10. Sabnis S. D.
Chemical Studies on the Host Parasite Relationship I. Tobacco Orebanche.
11. Bhatt Prashant N.
Regeneration of Root Rot Disease Resistant Tobacco Plants from Tissue Culture.
12. Bhatt V. P.
Single Crystal growth Microhardness and Deformation characteristics of some Interesting Ternary Alloys Crystals.
13. Pandya Girish Babu R.
Growth and Electrical properties of Ferro Electric Crystals.
14. Kapadia R. N.
Synthesis and Characterisation of New Chlating Ampotatic Ion-Exchange Ternary Complexes involving some Bonding and Tridental Ligands.
15. Dr. (Mrs.) Chudasama Uma V.
16. (i) Dongre P. K.
(ii) Darji D. R.
A study of aspirations for education in the pupils from the deprived community in the schools of Gujarat.
17. Bhatt I. D.
A study of perception of University teachers and students regarding semantic space for some selected concepts.

Faculty of Education and Psychology

Sr.No.	Name of the Teacher/s	Title of the Research Scheme
--------	-----------------------	------------------------------

Faculty of Medicine

18. Desai C. A.
Study of Pulmonary Function Tests in Normal pregnancy and pregnancy with diseases.
19. Mrs. Brahmhatt S. R.
Lipid and Enzyme Profile in Patients of Acute Myocardial Infraction.
20. Miss Dadlani Asha G.
Clinical study of Human Equilibrium by Electronystamegraphy and carin ocorpegraphy.
21. Shukla G. N.
Study of Physiological changes in urinary lithiasis to determine its possible Aetiology.
22. Chauhan L. N.
A study of Post-partan complications Obstetrical, Medical and surgical of Home confinement admitted in S.S.G. Hospital.
23. (i) Gulati O. D.
(ii) Hemavati K. G.
Interactions of Apomaphine and β -Hydroxytryttamine.
24. (i) Akolekar Shrikant S.
(ii) Master D. C.
Cytogenetics of Birth defects.

Faculty of Technology and Engineering

25. Dutta Sujaykumar
Simultaneous Reduction of Iron ore by Solid carbon and Hydrogen Gas.
26. Lohar J. M.
Exploration of the utility possibility of some Binary Mesomorphic systems and some Homologous services of Mesogens.
27. Sundar Murti N. S.
Electro Chemical Reduction of Chromite.
28. Singh Vasdev
Studies in pipeline flow of solid liquid mixtures.
29. Ethirajulu K.
Studies on Extraction of aromatics with solvent.
30. Pandya S. B.
Heat-transfer and flow behaviour in Polymer systems.
31. Joshi T. R.
Thermaluminescence and its application Radiation Dosimetry.
32. Patodi S. C.
Development of discrete energy post buckling analysis.
33. (i) Damle S. K.
(ii) Thattey V. S.
Flexural Rigidity of Ring Girders.

Sr.No.	Name of the Teacher/s	Title of the Research Scheme
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|-----|---|--|
| 34. | Gandhi M. C. | Shear behaviour of faulted rock under static loading. |
| 35. | Dr. (Mrs.) Banerjee Gayatri | Foliar venation and Phytochemical studies on certain contraceptives. |
| 36. | Mrs. Giridhar Rajani | Analysis of some Medicinal Plants. |
| 37. | Khanna S. M. | Analysis of some corticosteroids. |
| 38. | Agrawal Y. K. | Studies on trace Metals in drug and Pharmaceuticals. |
| 39. | Naik Sharath Kumar U. | Application of Laser Pharmacy. |
| 40. | Balraman R. | Cadmium induced Hypertension in Rats. |
| 41. | (i) Dabke S. P.
(ii) Puranik S. A. | Vapour and Liquid Equilibrium studies. |
| 42. | (i) Gade V. N.
(ii) Puranik S. A. | Studies in mass transfer. |
| 43. | Subrahmanyam N. | Effect of ultrasonic vibration on the texture of catalysts. |
| 44. | Oza Kirit T. | Mass Transfer with and without chemical reactions. |

Polytechnic

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|-----|---|--|
| 45. | Telpande A. G. | Oxidation of Petroleum Fractions. |
| 46. | (i) Surana N. M.
(ii) Shah R. J. | Selective refining of lubricating oil fractions. |
| 47. | Patel Mahendrakumar I. | Study of the Plate-type heat Exchanger. |

Faculty of Fine Arts

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|-----|---------------|--|
| 48. | Pandya Ramesh | Documentation of Murals at Hampsheshvar Bhilpur and some towns of Kheda District in colour slides. |
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Faculty of Home Science

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|-----|---------------------------------|---|
| 49. | Dr. (Mrs.) Shah Anupama J. | A study of needs and requirements regarding space equipment, furniture and reference materials to prepare guidelines for the beginning Home-Science Institutions. |
| 17. | Mr. Parikh Jyoti K.
Saroj I. | Parent education programme for the parents of mentally retarded children.
Designing Infants Layette. |

Sr. No.	Name of the Teacher s	Title of the Research Scheme
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|-----|------------------------|---|
| 52. | Mrs. Phadke Sunanda M. | A study of wash and wear finishing of garments with Finishes containing Acrylic Derivatives. |
| 53. | Balakrishnaiah B. | A study of finishing of Textiles with Polythelene glycolemulsions in combination with polymer finishes. |

Faculty of Social Work

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|-----|-----------------|---|
| 54. | Rajyaguru H. M. | A study of the Institutionalized Disabled children. |
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3. Research Schemes sponsored by outside Agencies

The following Schemes in progress have been sponsored by the University Grants Commission, Ministries of the Central Government Department(s) of Government of Gujarat, Planning Commission and other Agencies like ICAR, CSIR, ICSSR, ICHR, ICMR PL-480 DST, etc.

Research Schemes financed by Government of India, Government of Gujarat, University Grants Commission, Planning Commission or other bodies like ICAR, ICSSR, ICMR, CSIR, PL-480 Scheme etc.

Sr. No.	Name of the teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the scheme
1	2	3	4

Department of Agricultural Economics

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|----|---|---|---|
| 1. | M. B. Desai
(Retired) and
S. K. Verma | "Urbanisation, Industrialization and Change in Agriculture and Rural Life" United States, Department of Agriculture, Washington (PL-480 Rupee Counter part fund from the American Embassy, New Delhi) | Data collection completed. Computerisation of data collected in progress. Manual tabulation of data collected nearing completion. |
| 2. | Dr. M. M. Dadi
and Prof. S. R.
Hashim | "Linkage and spread Effects of Small-scale Industries" by the Indian Council of Social Science Research under Indo-Dutch Collaboration Programme | Work in progress. |

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Geography Department

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| 3. | Prof. J. A. Janaki (Retired) | "Principles of Economic Geog. U.G.C. New Delhi | Work completed. MSS sent for printing and publishing. |
| 4. | Dr. V. C. Rangaswamy & Shri J. P. Vyas | Dediepada Taluka : A Study of a Tribal Area U.G.C. | Work is completed MSS sent for printing and publishing. |
| 5. | Dr. (Smt.) Jayshree De | Spatial and Temporal Distribution of Diseases in Baroda City: U.G.C. | Work in progress. |
| 6. | Shri R. S. Gollerkeri | A study in Medical Geography | — |
| 7. | Prof R. N. Sinha, Dr. C. M. Gupta, Dr. B. R. Mishra, Shri S. M. H. Rizvi, Dr. J. K. Parmar | Land-use Survey and mapping in Narmada Command Zone, Jam-busar Taluka | Work completed. coloured land-use maps and preliminary report submitted. |

History Department

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|-----|--------------|--|----------------------------------|
| 8. | Misra S. C. | Editing of "Tarikh-i-Mahmud-Shahi" I.C.H.R. | Completed and under publication. |
| 9. | Sharma G. D. | "Agrarian Relations and Economy of Western India during the 18th Century" U.G.C. | Completed and submitted. |
| 10. | Mathew K. S. | "The Portuguese in Gujarat and Maharashtra" I.C.H.R. | Work in progress. |
| 11. | Bajpai Gita | "Economic Development in the two selected districts of British Gujarat—Surat and Broach during the years 1881-1956" U.G.C. | Work in progress. |

Political Science Department

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|-----|------------------|---|-------------------|
| 12. | Prof. A. P. Rana | "Theoretical Aspects of International Relations" (Second Survey of Research in Political Science) ICSSR | Work in progress. |
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|-----|-----------------------------|---|----------------------------|
| 13. | Thomas Pantham | Modern Political Thought (University-Level Book-Writing) Models and Strategies of Change ICSSR. | Work in progress. |
| 14. | Dr. V. G. Nandedkar | "A Study of Agricultural Administration in District Panchayats | Data analysis in progress. |
| 15. | D. H. Mohite | Urban-Financial Management : A case study of Baroda Municipal Corporation. All-India Institute of Local Self-Government, Baroda Branch | Work in progress. |
| 16. | Dr. Mrs. J. M. Panchandikar | "The Level of Development of Social Welfare Services in the State of Gujarat." Central Ministry of Social Welfare, Government of India, New Delhi | Nearing Completion. |
| 17. | Mr. P. J. Patel | "Trade Union Activities: A Study of Working Class Leaders." I.C.S.S.R. | Nearing completion. |

Science

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|----|------------------------|---|-------------------|
| 1. | Dr. C. V. Ramakrishnan | "Interaction of alcohol and nutritional deficiencies on ganglioside metabolism in CNS of rat." U.G.C. | Work in progress. |
| 2. | Dr. R. Rajalakshmi | "Fetal development in relation to maternal nutrition." U.G.C. | Work in progress. |
| 3. | Dr. S. K. Srivastava | "Role of Polyamines during germination and maturation of seeds and fruits." U.G.C. | Work in progress. |
| 4. | Dr. L. J. Parekh | "Microbial degradation of industrial Wastes." D.S.T. | Work in progress. |
| 5. | Dr. S. D. Telang | "Interaction of nutrition and hormones in GABA metabolism in different regions of rat brain." U.G.C. | Work in progress. |

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6.	Mukut Sharma	"Interaction of alcohol and nutrition on the growth and proliferation of glial cells from rat brain." U.G.C.	To be commenced.
7.	Prof. A. R. Mehta	"Clonal Propagation and Improvement of Medicinal Plants through Tissue culture." Govt. of India	Work in progress.
8.	Dr. (Mrs.) K. A. Bhagwat	"Effect of Water Logging on the Photosynthesis of cotton and sorghum."	Work in progress.
9.	Dr. (Mrs.) M. A. Padhya	"Clonal propagation of Tree ferns through Tissue Culture Techniques." U.G.C.	Work in progress.
10.	Prof. P. K. Bhattacharya	"Change transfer interaction in mixed-ligand complexes." CSIR	Work in progress.
11.	Dr. (Mrs.) Surekha Devi	"Charge transfer interaction in mixed-ligand complexes." CSIR.	Work in progress.
12.	Prof. S. S. Merh	"Geological Investigation of the Quaternary terrains of Gujarat and S.W. Rajasthan with special reference to their Geomorphology and Geochronology." UGC.	Project completed and report submitted to U.G.C.
13.	Prof. S. S. Merh and Y. K. Agrawal	"Geoenvironmental controls of Industrial Pollution around Baroda." DST.	Project completed. Report under preparation.
14.	Dr. D. R. Gadekar	"Analysis of Satellite Imagery of Gujarat with special reference to sedimentology, Geomorphology and Hydrogeology" ISRO Govt. of India	Work in progress.
15.	Prof. S. S. Merh and Dr. N. M. Vashi	"Grant-in-aid Project, on Regional Terrian Evaluation of coast line between Okha-Madhi (Guj.) and Ratnagiri (Maharashtra)" Ministry of Defence	Work in progress.

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16.	Dr. A. N. Shah and Dr. R. V. Karanth	"Studies on the Base Metal mineralisation in the Champaner Group around Jhari and Khandia, Central Guj." UGC.	Work in progress of "
17.	Dr. V. V. Modi	(i) "Studies to enhance Biological Nitrogen Fixation by R. species" Department of Science and Tech. New Delhi (DST) (ii) "Biological Nitrogen Fixation" UGC (iii) "Role of Phytochromones in ripening of mangoes with emphasis on storage abnormalities and preservation" UGC (iv) "Uncovering of regulatory mechanism controlling nodulation and nitrogen fixation." Indian National Science Academy (INSA) (v) "Sewage sludge Hygenisation with radiation microbiological aspects." Department of Atomic Energy (DAE) (BARC)	Work in progress.
18.	Dr. N. L. Kekan	"Luminescent studies of Pure and doped alkali halide phosphore" UGC	Work in progress.
19.	Shri H. R. Patel	"Study of certain aspects of neural and hormonal control of prepotial gland of rats. UGC	Work in progress.
20.	Miss S. J. Mehan	"Metabolism in Birds" UGC	Work in progress.
21.	Miss K. J. Derasari	"Studies on certain aspects of reproductive physiology" UGC	Work in progress.
22.	Miss Ayyer Chitra	"Studies on certain aspects of endocrine physiology in birds"	Work in progress.

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Education and Psychology

1. Prof. Desai D. B. "Vocationalization of Secondary Schools in four States." Detailed work plan prepared.
2. Prof. Desai D. B. and Prof. Yadav M. S. "Evaluation of NAEP" Quick appraisal completed. Intensive study in progress.
3. Joshi D. C. (i) "A Study of Classroom Climate and methods of Teaching Adopted by Indian Universities." Pilot Study in progress.
(ii) "A Comparative Study of Policies, Patterns and Problems of Grant in aids to Affiliated Colleges of Union Territory of Delhi and Gujarat." Library Work and tools for investigation under preparation.
4. Joshi S. D. "Deprived Community Education." Preliminary work in progress.
5. Roy S. "Evolving a Skill-based programme for Teacher preparation." Arrangements for the purchase of equipment and modification of the plan on hand.
6. Sudame G. R. "A Study of school broadcast in Baroda District Exploratory survey completed.
7. Prof. Yadav M. S. "Instructional Modules on Methodology of Educational Research." One module tried out.

Medicine

- Dr. S. C. Parikh,
Dr. R. V. Bhatt
- "A study on the Bio-Chemical composition in the viscera of aborted fetuses and still birth at various stages of gestation" Guj. State Government Work in progress.
- Dr. S. Srinivasan (i) Glycosylated Macro-molecules in Health and Disease" College funds. Work started.

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- Dr. O. D. Gulati (ii) Bio-chemical Parameters in obstructive pulmonary Diseases." College funds. Work started. nu" ub-er-
- Mr. J. D. Bhatt "Investigation on interaction of capterial (SQ-14, 225: A New anti-hypertensive agent) with various agonists on smooth muscle" Govt. of Gujarat. Work in progress
- Dr. O. D. Gulati (i) "Investigation of the mechanism of some adverse effects of ketamine a new parenteral general anesthetic." Work in progress.
- Dr. Mrs. K. G. Hemavathi (ii) "A study of the interactions between gamma aminobutyric acid (GABA) and diasepam on the postganglionic sympathetic transmission in the rabbit ielum." Govt. of Gujarat. Work in progress.
- Dr. A. B. Khorana "I.C.M.R. Sponsored Serve Mental Morbidity Survey Govt. of Gujarat. Work in progress.
- Dr. R. B. Udwadia "Fiberopic Sinercopy in Study of pelloby of maxillary since grant given in 81-82." Govt. of Gujarat. Work in progress.
- Dr. C. A. Desai (i) "Study of Pulmonary functions tests in normal pregnancy and pregnancy with diseases." Govt. of Gujarat Work in progress. Financial assistance Received from M. S. University, Baroda for the year 1982-83 as a staff Contingency for Research work.
- (ii) "A serial study of trace elements lipids and enzymes inputs of actute myocardiat infentions." Govt. of Gujarat. Work in progress.
- (iii) "A study of lipid profile and trace element inputs of entromuscular accidents. Govt. of Gujarat. Work in progress.

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Technology and Engineering

Pharmacy Department

1. Dr. Y. K. Agarwal "Voltametric and Photometric Determination of Boron, Phosphorous etc. in alloy, steel and environment." C.S.I.R. Work in progress.
2. Dr. K. K. Rao (i) "Recycling of crop residues and agricultural cellulosic Wastes to fermentable sugars by fungal celluloses." DAE. Work in progress.
(ii) "Physiology of Ergot Alkaloid production by fungi." U.G.C. Work in progress.
(iii) Studies on the degradation of cellulosic and lignocellulosic substrats by fungi." C.S.I.R. Work in progress.
(iv) "Studies on host virus interaction in P. seruquinose. (Direct fellowship)" C.S.I.R. Work in progress.
3. Dr. K. K. Rao and Dr. S. L. Mukherjee "Studies on Sulfer metabolism in Penicillin producing strains." Ambalal Sarabhai Enterprises Ltd.; (ASE). Work in progress.

Applied Physics Department

1. Dr. R. K. L. P. Agarwal "Synthesis of Liquid crystals and investigation of physical properties by Electric Managetive." U.G.C. Work in progress.

Applied Chemistry Department

1. Dr. R. A. Vora "Synthesis of Liquid-Crystals and Investigation of physical properties by electric and Magnetic field." U.G.C. Work in progress.

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Fine Arts

1. Prof. Ratan Parimoo The U.G.C. supported advanced Research Project. "Encyclopaedic Index of Vishnu Myths, Symbols and Icons as represented in Indian Painting and Sculpture." U.G.C. "The Sculptures of Sheshashayin Vishnu" being finalized for publication by the University.
2. Shri N. K. Sant "Pictorial Illustration for Visual Communication in India." U.G.C. Project completed. Report under preparation.

Home Science

Child Development

1. Prof. Amita Verma (i) "Population Education for out-of-school youth." AHEA, IFPP. Nearing completion.
(ii) "The Child Development Curriculum and its relevance to job competencies required in the field." I.C.S.S.R. Completed.
2. Dr. T. S. Saraswathi (i) Understanding children and adolescents in their community setting." I.C.S.S.R. Work in progress.
3. Dr. Veena Mistry and Kiran Parekh (i) "School Readiness Project" Baroda Municipal Corporation. Nearing completion.
(ii) "Learning Disabilities" International Development and Research Council, Canada. Nearing completion.
4. Dr. Yogini Pathak (i) "Programme for the uplift of the rural community of Sangams." Australian Early Childhood Association, Inc. Work in progress.
5. Smt. Parul Dave (i) "Problems perceived by functionaries in implementation of Tribal health and Welfare services." Project Completed.

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		Administrations Office, Adi-Jati Peta Vistar Yojna, Dahod, Panchmals.	
	(ii)	"Audio visual aids for tribal parent education programmes, Project Administrators Office, Adi-Jati Peta Vistar Yojna," Dahod, Panchmals.	Completed.
	(iii)	"Child Care for Tribals." Ministry of Home Affairs, New Delhi.	Work in progress.
6. Dr. Jyoti Parikh	(i)	Home-based program for mentally retarded children." U.G.C.	Nearing completion.

Clothing and Textiles—Education and Extension—Foods and Nutrition

1. Prof. Tara Gopaldas and Prof. Sunder Gujaral		"Studies on Mahuda (Mahuda India)" Gujarat State Forest Development Corporation Ltd.	Completed.
2. Prof. Tara Gopaldas		"Impact of selected Health Inputs on the Mid-Day Meal Beneficiary" Ford Foundation.	Work in progress.
3. Prof. Tara Gopaldas and Mrs. Subadra Seshadri	(i)	"Knowledge and Practices of Young Child Nutrition among Medical Personnel" Indian Council of Medical Research.	Completed.
	(ii)	"Knowledge and Practices of Young Child Nutrition among Medical Personnel."	Completed.
4. Smt. Jaya-prabha C. Patel		"Expansion Programme of the Nutrition/Health Education Scheme for the Primary School Child." NCERT/UNICEF.	Work in progress.
5. Prof. Sunder Gujaral		"Effect of Fiber in control of diabetes." Mrunalini Devi Trust.	Work in progress.

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Home Management			
1. Dr. N. Ogale and Mrs. R. George		"A Study on performance of Solar Cookers." Department of Non Conventional energy source, commission for additional sources of Energy, New Delhi.	Release of grant awaited.

CHAPTER

The following lectures were delivered under auspices of the University Commission scheme of Exchange of Teachers, Extra Mural grant and Schemes of the University.

(A) Lectures under University Grants Commission schemes of Exchange of Teachers or National Lecturership.

Sr. No.	Name of the Lecturer	Dates	Subject
1	2	3	4

Faculty of Arts

Economics Department

1. Professor Trivedi, M. S. Sardar Patel Institute of Economics and Social Research, Ahmedabad
 - (i) 1-2-1983 Econometric Testing
 - (ii) 2-2-1983 and New Classical Economics and
 - (iii) 3-2-1983 Developments in Philosophy of
 - (iv) 4-2-1983 Science.
 - (v) 5-2-1983
2. Prof. Chitre, V.
 - 28-2-1983 to 1-3-1983 Four Lectures on Business Cycles in India.

English Department

3. Prof. Ghose, S. K.
 - 4-11-1982 Mysticism and Literature
 - 5-11-1982 Tagore's Poetry.

Sanskrit Department

4. Prof. Venkatachalam V.
 - 28-3-1983 The smritpada of the Aviroddhaya in the Brahmasutra-Sankarabhasya A Survey.

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Faculty of Science

1. Dr. Phondke, G. P. 17-1-1983 to 29-1-1983 Immunology (various aspects)

Medical Division
Bhabha Atomic
Research Centre
Bombay
(UGC visiting
fellow)

2. Prof. Pakvasa, S. 31-1-1983
3. Dr. Mohan, N. R. 16-8-1982

Topics of current interest in Physics

1. Asymptotic theory for the selection differential when Sampling from several populations
2. Criterion for connectedness in 2-associate-class PBIRD's

Faculty of Home Science

Child Development

1. Dr. Anandlakshmi 24-1-1983 to 3-2-1983
2. Dr. Aghi, Meera 22-3-1983 to 23-3-1983

Research Methods.

Field testing of Audio-Visual Aids.

Faculty of Social Work

1. Prof. Karl Kinnan, 10-12-1983
Gerontologist,
McMaster University
Hamilton, Canada.

Case of the elderly in the family.

Family Therapy

College of Indian Music, Dance and Dramatics

1. Shri Sathe, S. 18-3-83 to 19-3-83
Bombay

Special features of Gwalior Gharana with special reference to the Gayaki of Pt. D. V. Paluskar.

Features under Extra Mural Grants or other schemes.

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Faculty of Arts

Economics Department

1. Prof. Mathur, G. 14-4-1982 Human Capital Formation
Institute of Applied
Manpower Research,
New Delhi.
2. Prof. Dholakia B. H. 26-10-1982 Economics of Dual Pricing
Indian Institute of
Management, Ahmedabad
3. Shri Nayak, K. C. 19-3-1983 Cost-Benefit Analysis and Rail
Gujarat Engineering Bye-Pass.
Research Institute,
Baroda.

Geography Department

4. Prof. Deshpande, D. 30-8-1982 Geography and New Gujarat.
Ex-Prof. and Head
Department of
Geography Poona
University, Pune.
5. Dr. Naik, S. 28-3-1983 Changes in the Gulf of Cambay
Scientist, ICRO,
Ahmedabad.

Political Science Department

6. Dr. Groom, A. J. R. 18-3-1983 Concerned Independence A Non-aligned
Co-director, Centre 19-3-1983
for the Analysis of gnied Alternative for British Foreign
Conflict, Policy.
University of Kent.

Sanskrit Department

7. Prof. Dave, J. L. 22-3-1983 Significance of Course Motilal
Ex-Principal, U. M. works of Kalidasa.
Mehta Arts
College, Morvi
(now at Rajkot)

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Sociology Department

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| 8. | Prof. Desai, A. R. | 21-9-1982 | Relevance of Marxian Approach to Study Indian Society. |
| | | 23-9-1982 | Urban Development in India After Independence. |

Faculty of Science

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|----|--|------------------------|---|
| 1. | Prof. Vasavada, K. V.
University of Purdue, Indianapolis, U.S.A. | 19-7-1982 | " Unified theory of fundamental forces in nature " |
| 2. | Dr. Singh, R.
Director,
University Farm and Seed Production,
Rajendra Agriculture University,
PUSA (Bihar) | 21-7-1982 | " Modern Methods of Seeds Production " |
| 3. | Dr. Patel, K. R.
Asstt. Professor of Statistics, Mississippi State University. | 30-7-1982 | Two Seminars on " Robust Statistics " |
| 4. | Dr. Bhalia, C. R.
Biology and Agriculture Division, BARC, Bombay. | 18-9-1982 | " Isoenzyme Studies in wheat and related species " |
| 5. | Prof. Kaul, I. K.
I.I.T. Kharagapur | 20-9-1982 | " Astronomical Co-Ordinate on Earth in space " |
| 6. | Professor Deshpande, C. D., Ex-Head,
Geography Department
Bombay University,
Bombay. | 22-9-1982
30-8-1982 | " Astrology—How reliable it is ?
" Geography and New Gujarat " |
| 7. | Shri Patel, B. N.,
Drugs Research Laboratory | 16-9-1982 | " Birds in a village Pond their life and habits " |

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| 8. | Professor Trivedi, G. K., I.I.T., Bombay | 16-10-1982 | " Structural Reinvestigation of Aromatic Hemiferpens " |
| 9. | Professor Mukhedkar, A. J.,
University of Poona | 23-10-1982 | " A New Approach to the study of re-Ferric Oxide System " |
| 10. | Dr. Amin, V. J.,
Alembic Chemical Works
Baroda | 7-1-1983
10-1-1983 | } Batch and continuous fermentality. |
| 11. | Shri Lal, B. S., | 22-2-1983 | |
| 12. | Professor Bankim Mukherjee,
Jadhavpur University,
Calcutta | 28-2-1983 | " The study of macerals and recent environments for an understanding of the nature of coal. " |
| 13. | Prof. Sundarajulu, G.,
Head, Department of Zoology, Bharthiar
University, Coimbatore | 14-3-1983 | " The present status of Phylus Arthropoda " |

Faculty of Education and Psychology

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|----|--|-----------|---|
| 1. | Professor Panda K. C.,
Professor, Regional
College of Education,
Bhuvneswar | 30-8-1982 | Implications of Piagetian approach to teaching. |
| 2. | Professor Jong Luttgan,
Visiting Professor | 1-3-1983 | Energo Cybernetic Strategy |
| 3. | Dr. (Miss) Jagatyani, R.,
Superintendent,
Mental Hospital,
Baroda | 3-3-1983 | Role of Family and Mental Health. |
| 4. | Mrs. Khorana, S.,
Clinical Psychologist,
S.S.G. Hospital, Baroda | 10-3-1983 | Clinical Psychologists in Psychiatric set up. |

Sr. No.	Name of the Lecturer	Date	Subject
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Faculty of Commerce

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|----|-----------------------|-----------|---|
| 1. | Dr. Gupta, L. C., | 22-1-1983 | Financial Ratios for monitoring Industrial sickness. |
| 2. | Shri Lele, S. R., | 5-2-1983 | Duties and responsibilities of the Board of Directors of Cooperative Banks. |
| 3. | Shri Gwilliam, K. M., | 25-2-1983 | Transportation Economics. |
| 4. | Shri Peerzada, B. M., | 2-3-1983 | Foreign Exchange Policy. |
| 5. | Shri Raja, T. P. | 3-3-1983 | Some problems in projects management. |
| 6. | Shri Swadia, K. M., | 12-3-1983 | Working capital management. |
| 7. | Shri Shah, C. H., | 10-2-1983 | Rural Banking Recent Experience. |

Faculty of Technology and Engineering

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|----|--|-----------|---|
| 1. | Professor Kunwar, S. S.,
Railway Staff
College, Baroda | 29-9-1982 | Welded Tracks. |
| 2. | Prof. Mehrotra, R. C.,
University of Rajasthan
Jaipur | 4-3-1983 | Coordination between teaching and research. |

Faculty of Fine Arts

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|----|------------------------|--------------------------|----------------------------------|
| 1. | Shri Varma, Nathulal, | 23-10-1982 | Technique of Miniature Painting. |
| | | 24-10-1982 | |
| | | 25-10-1982 | |
| 2. | Shri Varma, Dhananjay, | 29-10-1982
30-10-1982 | } Portrait Painting |

Faculty of Home Science

Child Development Department :

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|----|----------------|-----------------|--|
| 1. | Dr. Singh, R., | 5th March 1983 | Prediction performance in children |
| 2. | Dr. Garg, P. | 15th March 1983 | Life space in Indian Youth—An identity crisis. |

Home Management Department :

- | | | | |
|----|--------------------|-----------|--------------------------------|
| 3. | Mr. Talati, A. J., | 19-3-1983 | Interiors and space designing. |
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Faculty of Social Work

- | | | | |
|----|--|-----------|---|
| 1. | Professor Mirza, S. S.,
Indian Institute of
Management,
Ahmedabad | 7-2-1983 | Personnel function in India in the year 2000 A.D. |
| 2. | Smt. Sunanda Kaushik,
Director, Karve
Institute of Social
Science, Pune | 14-3-1983 | Social Development Goals and Inter-disciplinary Social Work. |
| 3. | Smt. Mazmudar, K.,
Head, Social Work
Programme, College of
Social Work, Nirmala
Niketani, Bombay | 25-3-1983 | Counselling in the Indian context (Marital counselling parent and adolescents and parent and children). |

College of Indian Music, Dance and Dramatics

- | | | | |
|----|----------------------------------|-----------|---|
| 1. | Shri Tamhankar, M. P.,
Bombay | 28-2-1983 | Explanation of shruties with the help of an electronic apparatus. |
| 2. | Shri Chakkiyar, D., | 13-1-1983 | Dance Demonstration of Chakkiyar Koothu and Kudiyattam of Kerala. |

Polytechnic

- | | | | |
|----|---|-----------|--|
| 1. | Shri Fatel, H. J.,
Sub-Engineer, Gujarat
Electricity Board,
Baroda | 25-3-1983 | Generation Transmission Distribution of Electricity power. |
|----|---|-----------|--|

(c) Lectures delivered under the auspices of the Departments :

Sr. No.	Name of the Teacher	Date	Subject
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Dept. of Agricultural Economics

- | | | | |
|----|---|--------------------------|--|
| 1. | Prof. C. H. Shah,
Retired Prof. of
Agricultural Economics
University of Bombay
Bombay | 8-2-1983 to
10-2-1983 | Process of Modernization in Indian Agriculture |
|----|---|--------------------------|--|

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Department of Economics

1. Professor Parekh, B. C., 24-7-1982
Vice-Chancellor,
M. S. University
Marx's Critique of Classical Economics.
2. Professor Dholakia, 26-10-1982
D. H.,
Industrial Growth in India.
3. Professor Rath, N., (i) 7-1-83
(ii) 8-2-83
Measurement of Rural Unemployment.
Terms of Trade Between Agriculture and
Industry
4. Professor Lakdawala, (iii) 9-2-83
D. T., 16-2-1983
I.M.F. conditionality and the Indian
Economic Policy.

Department of English

1. Prof. Diggins, 28-6-1982
Thoreau and Gandhi.
2. Prof. Ganean 30-9-1982
Goethe and Kalidasa's *Sakuntalam*.
3. Prof. Harry Girling, 14-2-1983
Linguistics and Semiotics.
4. Mr. Richard Lannoy, 16-2-1983
Influence of Indian thought on Western
Culture
5. Mr. Salman R. 17-2-83
Lewis Thompson

Department of Geography

1. Dr. B. R. Mishra, 23-10-1982
Geography Deptt.
Commerce of Broach.
2. Dr. J. K. Parmar, Sept. 1982
In Fac. of Science
under Environmental
studies.
Man and Climate.

Department of Gujarati

1. Prof. R. J. Joshi, March, 1983
University of Gujarat,
Ahmedabad
Recent Trends in Gujarati criticism.

Department of History

1. Khan, I. A., 23rd to 26th
Oct. 1982
Contradiction in Indian Policy and
Society on the eve of the Mughal
invasion.

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2. Timurid Tradition of Sovereignty and
Political Organization under Babur
and Humayun.
3. Reorganization and Control of the
Nobility under Akbar 1556-80.

Political Science Department

1. Dr. Lesle Macfarlane, February
St. John's College, 3-12, 1983
Oxford
A series of 6 lectures on Democratic
Theory, delivered under the auspices of
the Tagore Chair in Humanities.
2. Dr. Neil Harding, March 25,
1983
Lenin's Political Philosophy.

Sanskrit Department

1. Prof. Dr. G. K. Bhatt, 25-8-1982
Tagore Chair Professor
Rasa theory and Related Problems.

Faculty of Science

1. Dr. B. R. Mishra, 23-10-1982
Sept. 1982
Commerce of Broach.
Man and Climate.
2. Dr. J. K. Parmar, 12-1-1983
1. Introduction to Computers
2. Data Structures.
3. Dr. P. Thrimurthy, 21-3-1983
1. On Moments of non-integral orders.
2. An analysis of the Central limit
theorem.
4. Dr. R. P. P. Pakshirajan

Faculty of Education and Psychology

1. Dabholkar, D. A., 23 and 24
Professor, Indian Aug., 1982
Institute of Education,
Pune
Education of the Disadvantaged : An
attempt at some fresh perspective.
2. Panda, K. C., 31 Aug. 1982
Regional College of
Education Bhuvaneshwar
Quality Control in Educational Research
Input-Output.
3. Shukla, J. K., 14 Sept., 82
Baroda
Professional Imperatives in Teacher Edu-
cation.

1	2	3	4
4. Sukumaran, Nair, Professor and Head, Deptt. of Education, Calicut University, Calicut	4 Oct., 1982 5 Oct., 1982	Quantification of Data for Educational Research—Some Critical issues. Missing Dimensions in Teacher Educa- tion.	
5. Goel, S. C., Jt. Secretary, University Grants Commission, New Delhi	8 Oct., 1982 9 Oct., 1982	Education and Economic Growth in India. Examination Reforms.	
6. Passi, B. K., Professor and Head, Dept. of Education, Indore University, Indore	14, 15, and 16 October 1982	Educational Research Design.	
7. Nayar, P. R., Prof. of Education & Controller of Examina- tion, Mysore University Mysore	31 Oct., 1982 and 1 Nov. 1982	Learning Theories for Teachers, Mis- conception; New Interpretations; Rele- vance and Synthesis.	
8. Dave, P. N., Professor and Head, NCERT, New Delhi	24 Jan., 83 and 25 Jan., 83	Development of an Alternative System of Non-Formal Education at the school level (Elementary) and its Implications for Higher Education.	
9. Kaul, Lokesh, Prof. of Education, H. P. University, Simla	28 Jan., 83	The Choice of Statistical Tests in Edu- cational Research.	
10. Pandey, K. P., Director and Prof. of Education, H. P. Uni- versity, Simla	4 Feb. 1983	Distance Learning and problems there of	
11. Dhar, T. N., Jt. Director, NCERT, New Delhi	25 Feb., 83	Role of NCERT.	
12. Baquer Mehdi, Professor and Incharge Head of Curriculum Group, NCERT, New Delhi	11 March, 1983	Teacher Education and School Curri- culum.	

1	2	3	4
13. Seshadri, C., Reader in Education, Regional College of Education, Mysore University, Mysore	11 Oct., 82 12 Oct., 82 21 March 1983 23 March 1983 24 March 1983 25 March 1983	The State of Art. The concept of equality in education an analysis. Education and the Structure of know- ledge. School Curricula as socially organised knowledge—a philosophical critique. Nature and scope of epistemology. Scientific law, theory and hypothesis. The a priori and a posteriori. Schools and Systems in epistemology.	

Faculty of Technology and Engineering, Baroda

1. Dr. S. K. Shah, Ag. Director, Gujarat Energy Development Agency (GEDA) Baroda	23-5-1982	Renewable sources of Energy in the field of Water supply.
2. Shri P. J. Chokshi, Principal System, Analysis IPCL, Baroda	17-7-1982	MIS in Practice.
3. Shri Shantibhai Amin, Chairman, Gujarat Water Supply and Sewerage Board, Gandhinagar	8-8-1982	International Water supply and sanita- tion decade.
4. Dr. M. V. Bapat, Soil Survey Office, Baroda	25-8-1982	Soil Survey.
5. Shri J. M. Barot, Chief Scientific Officer, P. H. Eng. Laboratory, Baroda	24-9-1982	High fluorides in drinking water.

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6. Mr. E. Hubler, 27-9-1982 Use of Epoxy Resins.
Expert application of Epoxy Resins CIBA Bosle

Faculty of Fine Arts

1. Shri Laxma Gound, 5-3-1983 Demonstration on Graphic Subject.
7-3-1983 —do—
2. Shri Akbar Padmsee, 8-3-1983 Slide show on the Artist's work and comment.
9-3-1983 Discussion of the Artist's work and his Preoccupation.
3. Shri Ketan Mehta, 22-3-1983 Lecture on " Bhavan ni Bhavai. "
23-3-1983 Discussion on its aspects.
4. Shri Ashish Rajadhyaksha, 26-3-1983 Epic from cinema.
27-3-1983 Ritwik Ghatak and his films.
5. Geeta Kapoor, 30-3-1983 The Glass pictures of K.G. Subramyan.
31-3-1983 About Improvisation in Indian Art.

Faculty of Social Work

1. Shri S. B. Saxena, 14-8-1982 " Problems of Aged " organized by the Visva Vradhatavsabha at Bhailalbhai Amin Hall, Baroda.
11-9-1982 " Indian Economic in Society—The Gandhian alternatives organised by Director Trusteeship Foundation Bombay at Federation of Guj. Mills and Industries, Baroda.
2. Smt. Varsha Anjaria, 25-2-1983 " Burns in Industry " organised by Industrial Medicine centre, IPCL, Baroda.
24-4-1982 " Role of women in Family Planning " organised by Health and Family Planning Bureau Dang Dist., Panchayat Ahwa
6-9-1982 " Rehabilitation " organised by School of Nursing, S.S.G. Hospital and Shram Mandir Trust, Baroda.

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College of Indian Music, Dance and Dramatics

1. Shri Dave, J., 11-3-1983 Bhavai in Modern Context.
Ahmedabad
2. Shri Thakore, A., 12-3-1983 Actors and Director relation show organising.
Ahmedabad
3. Shri Thakar, D. 14-3-1983 Actors Training.
4. Shri Deshpande, N. D., 17-2-1983 Two lectures on ' Explanation of salient Features of the Kirana Gharana '.
Bombay 18-2-1983
5. Dr. Kothari, S., 10-8-1982 ' Dance Sculptures of Medieval Art '.
Calcutta
6. Shri Sathe, S., 17-9-1982 Demonstration on A New Innovation combining Music and Dance with Painting.
Bombay

CHAPTER VII

1. *New Courses started during the year :*

Department of Archaeology

Diploma in Epigraphy

Agricultural Economics

Syllabi of M.A. Part I and M.A. Part II were revised. The revised syllabus of M.A. Part I came into effect in 1982-83.

Department of Economics

M.A. Courses have been revised with effect from July 1982, New Optional groups entitled, 'Economics of Industry and Public Utilities' (replacing the old group of Industrial Economics), Econometrics (replacing the old group of 'Mathematical Economics and Econometrics') and 'Economics of Human Resources' have been introduced.

Department of English

Instruction in M.Phil. in English (Literature and Language Teaching) was begun from August.

Persian, Arabic and Urdu

Diploma in Modern Persian

Diploma in Modern Arabic.

Department of Sanskrit

An additional
and entire course ?

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14. Rec.

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29 "ana-Sastra" group at the M.A. Principal
course at the M.A. Part II.

Name/s	Title	Place and Date of publication
1. Hegde, K. T. M. and Sychanthavong, S. P.	The Great Indian Desert	<i>The Geological Story of the World's Deserts.</i> (Ed. T. L. Smiley) University of Uppsala, Sweden, 1982.
Hegde, K. T. M. Karanth, R. V. and Sychanthavong, S. P.	'On the composition and Technology of Harappan Microbeads'	<i>Harappan Civilization</i> (Ed. G. L. Possohl) OUP, 1982.
Hegde, K. T. M.	'The Late Quaternary Climate History of the Great Indian Desert'	J of MSUB, XXX, 1, (1981) (Published in 1982).
Shah, V. S.	'Kavi Pradesano Madhyakalina Matrka Samuha'	'Svadhyaaya' XIX, 3, 1982.
Shrivastava, V. H.	(i) 'The Microlithic Industry of Tarasang, Gujarat'	<i>Man and Environment</i> VII, 1983.
Mishra, K. N.	(ii) 'Rotary Quern Mining Industry at Kukachhia, Dist. Panchamaharaj Gujarat'	<i>Puratattva</i> , 11, 1979-80 (1982).
	(iii) 'Tarsang, A first excavated Masolithic Rock Shelter of Gujarat.'	<i>Indian Archaeology: New Perspectives</i> , (Ed. R. K. Sharma) Delhi, 1982.
	'Excavation at Kanewal'	<i>Indian Archaeology: New Perspective</i> (Ed. R. K. Sharma) Delhi, 1982.
Economics Department		
7. Kothari, V. N.	'X-Efficiency'	<i>Essays on Recent Developments in Economics</i> , MSU Economics Series 9.
8. Kothari, V. N., Dadi, M. M. and Patel B. B.,	'Access to Higher Education and equalization of educational opportunities through freeships: A case study'	<i>Journal of Higher Education</i> VIII, 1982.
9. Dadi, M. M.	'Gary Backer's Approach to a Theory of Choice'	<i>Essays on Recent Development in Economics</i> , MSU Economics Series 9, Nov. 1982.
English Department		
10. Dadi, M. M., Shah, M. N and Parikh, Y. O.	'A Survey of Research on Gujarat Economy'	Anvesak, Dec. 1982.
11. Shah, M. N.	'Theories of Labour Market Segmentation'	<i>Essays on Recent Developments in Economics</i> , M.S.U. Economics Series, 9, Nov. 1982.
12. Pandya,	'Leijonhufvud's New Interpretation of Keynes'	<i>Essays on Recent Developments in Economics</i> , No. 9, 1982.
13. Dholakia,	'Lancaster's New Approach to Consumer Demand'	<i>Essays on Recent Developments in Economics</i> , Nov., 1982.
14. Rede, I	(i) 'Public Choice: Unanimity Rule Under Direct Democracy'	<i>Essays on Recent Developments in Economics</i> , 9, Nov., 1982.
15. Misra, S. C.	(ii) 'Trends in Rates of Profits of Indian Manufacturing Industries: 1950-51 to 1978-79'	<i>Productivity</i> —Jan.-Mar., 1983.
	'Recent Developments in the Theory of Balance of Payments: A Survey'	<i>Essays on Recent Developments in Economics</i> , 9, Nov., 1982.
	(i) 'Recent Debate on Poverty Line'	<i>Essays on Recent Developments in Economics</i> , 9, Nov., 1982.
	(ii) 'Education, Migration, Employment and Poverty Among Slum-Dwellers'	<i>Gujarat Economics Association Conference Papers—Vadodara</i> , Nov., 1982.
30. Nath, M. K.	(i) 'Factors Affecting Fuel Input Coefficients In Indian Railways'	<i>Journal of the Institute of Rail Transport</i> XVIII, 2 Apr.-June 1982.
	(ii) 'Systems Analysis and its application in Transport Planning'	<i>Essays on Recent Developments in Economics</i> Nov., 1982.
	'A Theoretical Analysis of Smuggling'	<i>Essays on Recent Developments in Economics</i> , Nov., 1982.
English Department		
31. Rana, A. P.	(i) 'The Ruling Language Syndrome'	New Quest, Poona, 32, Mar.-Apr. 1982
	(ii) 'Fictional strategies for colonial consciousness'	<i>Colonial and neo-Colonial Encounter in Commonwealth Literature</i> (Ed.) H. H. Appiah Gowda, Mysore University, Manohar Book 1983.
	<i>Portuguese Trade with India in the Sixteenth Century</i>	1983.

Name/s

1. Hegde, K. T. M. and Sychanthavong, S. P.
Hegde, K. T. M. Karal and Sychanthavong, S. Hegde, K. T. M.
ash, V. S.
vane, V. H.
22. Mehta, S. N.
23. Dave, S.
24. Desai, L. M.
25. Panchal, S. J.
- (i) 'Vortex as the Vehicular Form in Byron and Turner',
(ii) 'The Wit and Wisdom of the Buddha'
(i) 'Apocalypse Against Design'
(ii) 'Upara : Ek Vishista Atmakatha'
(iii) 'Sri Aurobindo : Revaluation' translated into Gujarati by Arun Adelja
(iv) 'Indian Literary Culture'
(v) 'Bharatiya sahitya Sanskriti' Translated into Marathi by Anil Pathak
(vi) 'Colonial experience and Indian critical tradition'
- (i) 'Ramaniyata'
(ii) 'Four Poems',
Santpriya,
(i) 'Kavi Nanalal Ek Swadhyay'
(ii) 'Ek tubman Machhali',
(i) 'Vani Mari Koyal'
(ii) 'Soneri Machhalio',
(iii) 'A Worn Path',
(iv) Sahityanu Samajshashtra
(v) Sahityani Vibhavana

Gujarati Department

- Sahitya-Charcha, Ed. A. M. Raval, May 1982.
Chandrabhaga—Cuttack, May, 1982.
J. of MSUB, XXXI, 1982.
Swadhyaya, Aug. 1982.
Buddhiprakash, Jan. 1983.
Kankawati, May, 1982.
Kankawati, June, 1982.
Sayujya, March, 1983.
Kankawati, Nov. 1982.
'ETAD', Dec. 1982.

26. Parikh, P. M.

Jaya Jayantni Ekta

'Navbharati', Oct. 1982.

Hindi Department

- (i) 'Nagari Lipi Tatha Bharathi Sanskritik Ekta'
(ii) 'Kuraj Se Ramraja ki aur Prasthan ke Dastavej'—Ramcharitamanas
(iii) 'Sahefka Sanskritik Adhyayan'
(iv) 'Madhyakalin Hindi Kavya: Ek Anfaryatra Aur Upalabdhiyam'
(v) 'Sahityik Shodh aur Adhyayan mem Antarvidha'
'Hindi Kahani'
- 'Nagari Sangam' July,-Sept., 1982.
Manas-Bharat, Dec., 1982.
Commemoration volume for Shri V. K. Mishra, 1982.
Vina, March, 1983.
Sahityanushilan, 1983.
Mangaldeep, 1982.

28. Shukla, D. S.

History Department

- (i) 'Some Aspects of Medieval Society and Culture'
(ii) 'Some seventeenth eighteenth Century Urban Documents from Baroda'
- J. of MSUB, Dec., 1982.
Proceedings of the Indian Historical Records Commission, 1982.

29. Misra, S. C.

Linguistics Department

- (i) 'A note on Sanskrit Kulata'
(ii) 'Etymological note on some early, Bengali words'
- Vishveshvaranand Indological Journal, Dec., 1982.
Indian Linguistics, XLII, 1-4, Dec., 1982.

30. Nath, M. K.

Political Science Department

- (i) 'India's Foreign Policy: The frustrated search for a global perspective'
(ii) 'The Development of International Studies in India A Profile of some Critical Constraints'
- Democracy in Two Nations: USA and India Ed. Ramashray Roy South Asian Publisher, New Delhi, 1982.
Contemporary India: Socio Economic and Political Processes Ed. Prof. V. M. Sirkilar Felicitation Committee Unit-Manohar Book Services, Jaipur.

31. Rana, A. P.

1. Political Science Review, Jan.-Mar. 1983.
- (iii) 'Strategic Considerations in Indian Foreign Policy: A Preliminary Framework of Enquiry', Elites, Classes and the Distortions of Economics Transition in India
32. Pantham, Thomas

Sanskrit Department

33. Kantawala, S. G.
- (i) 'Sanskrit and Archaeology'
- (ii) 'Kavyalakshana'
- (iii) 'Kavyaprakaro'
- (iv) Purnoma Ketalamk Sanskritik Avashesho.
- (v) Rgyedama Saptamandalaman Vasishthano Ek Parivarik Prashna
- (vi) Bhoja-Stepwell Inscription (Jointly with Prof. R. N. Mehta)
- Professor Jagannath Agrawal Felicitation Volume: (Recent Trends in Sanskrit and Indology), Patiala, Oct. 1982.
- Vivechan SNDT Women's University Bombay, April-June, 1982, I, No. 2.
- Vivechan, July-Sept., 1982.
- Swadhyaya, M. S. University of Baroda, XX, 1.
- Journal of the Oriental Institute, Baroda, XXXI, 4, June, 1982.
- J. of MSUB (Centenary Vol.) XXX, 1 (1981 published Dec., 1982).
- J. of MSUB (Centenary vol.) XXX, 1 (1981 published, Dec., 1982)

Reviews

- (i) The Caranavyuna-Sutram of Saunake with Mahidasa's Commentary Ed. by Umesh Chandra Sharma
- (ii) 'Sixty four Upanishads of the Veda, Part I and Part II by Paul Deussen translated in English by V. M. Bednekar and G. B. Palsule
- (i) 'Yamak Alamkar'
- (ii) 'Rupak Alamkar'
- 'Smrti' in the Brahmasutra
- (i) 'Kim Baya Cintaya' (Sanskrit Short story) (Creative article)
- (ii) 'Papa-Pururam', (Sanskrit Play) (Creative article)
- "Vadodara Jillana Kumbharani Samajik Paristhitini Abhyas"
34. Rawal, A. J.
35. Deshpande, U. S.
36. Jani, J. A.
37. Mr. Patel, P. J.
- 'Vidyapith' 121, Jan.-Feb., 1983.
- Swadhyaya, I, 20.
- J. of Oriental Inst., XXXI, 4, June, 1982.
- Parijatam (Kanpur), Sept., 1982.
- Samvid (Bombay), Oct. Nov., 1982, Feb., 1983.
- Gujaratna Prajapatio Ed. L. P. Pipalia, 1982.

3. Books and Monographs :

Name of the author's	Title of the book/s	Name of the publisher and year of publication
1		3
Economics		
1. Dr. (Smt.) Shah, M. N.	Growth, Productivity and Technical Progress in Electricity in India, 1951-1977.	MSU Economics Series, 8 June, 1982.
2. Department of Economics Members	Essays on Recent Development in Economics	MSU Economics Series, 9, 1982.
Gujarati		
1. Hegde, H. M.	Pichhi Kanvas Ane Manas	Dec., 1982.
2. Hegde, H. M.	Balvantrai Thakore ni Kavita	1, 1982.
	Modern Gujarat	New Order Book Company Ahmedabad, 1982.
	Portuguese Trade with India in the Sixteenth Century	Manohar Book Service, New Delhi, 1983.

Political Science

“*Bhijodana Agiartho*” Gujarati translation of University Book Production Board author's book: *The Imperatives of Nonalignment* 1983.
Translation: Siddharth Bhatt

Sanskrit

8. Raval, A. J. *Indian Society, Religion and Mythology* (A study of D. K. Publishers, New Delhi, 1982. the Brahmaivaivartapurana)
9. Nanavati, R. I. *Secondary Tales of the Two Great Epics* L. D. Institute of Indology, Ahmedabad, 1983.

4. Papers presented at professional level seminars, conference etc.

Name of the Teacher	Theme, Organiser's Name, Place and Date of the Conference/Seminar	Title of the Paper
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Archaeology

1. Hegde, K. T. M.
2. Suryavanshi, B. S.
3. Parekh, V. S.
4. Sonawana, V. H.
5. Momin, K. N.
6. Bhan, Kuldeep

Ancient Furnace Technology Research Laboratory of the British Museum, London 29 and 30 Oct. 1982	Ancient Indian Copper Smelting Furnaces.	
8th Epigraphical Congress at Gorakhpur, March, 1983	'Makand Stepwell Inscription'	
International Seminar, Indian Archaeological Society and Indian Society for pre-historic and quaternary studies, Delhi, 25-27 Oct. 1982	'The Depictions of Sivalingas from Gujarat'	
—do—	'Pre-historic Culture of the Panchmahals, Gujarat'	
—do—	'Excavation at Zekhada'	
—do—	'Nageshwar, An Industrial Centre of Harappan period'	

7. Dholakia, R. H.

- (i) Workshop on 'Block Level Planning' the Dept. of Rural Studies, South Gujarat University, Surat 4-6 Oct., 1982
 - (ii) 14th Gujarat Economic Conference, M. S. University of Baroda, 7-8 Nov., 1982
 - (iii) 3rd Annual Conference of the Society for the Study of Regional Disparities, Bhopal, M. P. State Planning Board, 27-29 Nov., 1982
 - (iv) National Seminar on "Economic Development and Regional Disparities" Giri Institute, Lucknow, 19-21 March, 1983
- “Some practical Difficulties in Identifying the Target Group and Preparing Employment Budget for Block Level Plans”
- “Growth Implication of the Narmada Project with Social Benefit Cost Approach”
- “Institutional Change in Agricultural credit, Economic Growth and Inequality an Inter-State Analysis”
- “Inter-state variation in Economic Growth and State Income Inequality.”
- “The Theory of Consumers' Choice under Rationing”
- “Education, migration, Employment and poverty among slum-dwellers: a study of rapidly growing industrial city” Invited Key Paper.

8. Smt. Rede, L. A.

14th Gujarat Economic Conference, 7th-8th Nov. 1982, Baroda

9. Parikh, Y. O.

14th Gujarat Economic Conference, 7th-8th Nov. 1982, Baroda

21. Ma.

Indian Association of American Studies, Conference Annamalai Univ., Annamalai Nagar, 17-19, Feb., 1983

“GC-Shastri Indo-Canadian Institute Workshop in Gandhinagar, Gandhinagar, Annamalai Univ., Dharwad, 1-30 Nov., 1983”

1. Hegde

Indian Council of Historical Research, Institute Workshop in Udaipur, January, 1983.

“The Space within the Heart: Atwood's Poetry”

Critical Science

Rana, A. P.

- (i) 'Concept of Modernity' Gujarat Univ. Ahmedabad, 3-8-1982
- (ii) 'Kruti Parisamvad' UGC Seminar Dohad, 'Jatayu' Sarjakni Kefiyat', 23-10-1982
- (iii) 'Modern Poetry' Gujarati Sahitya Parishad Vanasthali, 6-7 Nov., 1982
- (iv) Ranjitram Shatabdi Seminar on Indian Literature Central Secretariate Library, Delhi 22-12-1982
- (v) R. V. Desai—The Novelist Premanand Sahitya-sabha Vadodara 26-9-1982

Sanskrit

Geography :

14. Gollerkeri, R. S. and De Jaysree and Shrivastava, A. K.

- (i) National Conference on "Impact of Development on Environment" organised by the Geographical Society of India, Department of Geography, Calcutta Univ. held at Calcutta from 21st Jan. to 25th Jan., 1983

(ii) A method for evaluation of the quality of Urban Area. Seminar on Gujarat Geographical Association at Rajkot (13-3-1983)

15. Rangaswamy, V. C.

4th Annual Conference of the Institute of Indian Geographer organised by the Dept. of Geography, Kolhapur University, Kolhapur at Kolhapur from 10th to 13th Feb., 1983

16. Mishra, B. R.

II Annual Conference on "Geography" organised by the Gujarat Geographical Association, Dept. of Geography Gujarat Uni. at Rajkot on 1-3-1983

(Paper read by Shri A. J. Shrivastava) A method for evaluating the quality of Urban Area.

'Irrigation and Agricultural Land Use Haripura. A case study'.

"Some Aspects of Perceptible Environmental Problems in Mahi-Dhadhar tract of the Jambusar Taluka Dist. Broach.

Hindi :

17. Gupta, M. G.

'Bhakti Andolan'
'Kunvar Kushal Dvara varnit Atharvi Shatabdimem Kaccha Ke Nagariya Samajki Sa. rachana.

S. P. University, V. V. Nagar, 10th Jan., 1983
Dept. of History, MSU Baroda, 14th March, 1983

History

19. Misra, S. C.

(i) Indian History Congress 43rd Session, Kurukshetra, Dec., 28-30th, 1982

(ii) UGC Seminar on Society Literature and History 11-14 March, 1983. History Dept. MSU, Baroda
Indian Council of Historical Research Udaipur University, Udaipur, January, 1983.

'General Presidential Address'.

'History and Literature: Some Preliminary Observations'.

'Zamindars of Kathiawar and the English Colonial Interests in the beginning of the nineteenth Century'.

'Kwaja Safar, the Merchant governor of Surat and the Indo-Portuguese trade in the early 16th century.'

'Indian merchants and the Portuguese Trade with India in the Sixteenth Century'.

'OS Lusiadas and the Indo-Portuguese History of the Sixteenth Century'.

'Coinage in the Portuguese India during the Sixteenth Centuries (1510-1640)'.

'Colonial Rule and the Princely State of Baroda: A Study in some Aspects of the Imperial connection in the Second-Half of the Nineteenth Century'.

'Factors promoting the establishment of Sarais in Mughal India'.

'Mughal Nobility under Babur and Humayun'.

20. Sharma, G. D.

(i) Indian Council of Historical Research Udaipur University, Udaipur, January, 1983.

(ii) Third International Seminar on Indo-Portuguese History, Goa, January, 1983.

(iii) UGC Sponsored Seminar held in MSU, Baroda, March, 1983.

(iv) All India Seminar on Numismatics Indore University, Indore, March, 1983.

1. Hegde

Indian Council of Historical Research, University of Udaipur, January, 1983.

- Political Science
- Rana, Bharti V.
- (i) All India UGC Seminar on Curricula, Poona, Linguistics department curriculum, June, 1982.
- (ii) National Seminar on Historical Linguistics, Sound change in Progress. Hyderabad, January, 1983.
- Srivastava, Usha A.
- (i) National Seminar-cum-Workshop on Language 'The problem of language planning as a tool, Punjabi University, Patiala, October, 1982.
- (ii) Osmania University, Department of Linguistics, 'Naturalness: Historical evolution and acquisition', Hyderabad, January, 6-7 1983.
27. Nath, M. K. All India Oriental Conference, October, 1982.

Political Science

28. Rana, A. P.
- (i) Committee on South Asian Studies: University of Chicago, Chicago, USA: 14 April, 1982.
- (ii) International Political Science Association, XII World Congress; Rio de Janeiro, Brazil, August, 9-14, 1982
- (iii) "US-Pakistan Relations and Indian Security Considerations". United States Information Services; Bombay: March 26th 1983.

Sanskrit

29. Kantawala, S. G.
- (i) 8th Annual Conference of the Gujarat State University and College Sanskrit Teachers' Association, Jetalpur, 4th, 5th 6th April, 1982. (Presidential Paper)
- (ii) All India Oriental Conference at Jaipur, 29-31 October, 1982.
- (iii) Seminar organised by the Gujarat State College and University, Sanskrit Teachers' Association, Vallabh Vidyanagar, 19th and 20th March, 1983.

30. Raval, A. J.

'Mahabagavata Purana A study'.

31. Dave, S. M.

Seminar organised by the Gujarat State College and Univ. Sanskrit Teachers' Association, V. V. Nagar, 19th and 20th March, 1983.

Seminar organised by the Gujarat State College and Univ. Sanskrit Teachers' Association V. V. Nagar, 19th and 20th March, 1983

32. Deshpande, U. S.

(i) All India-Oriental Conference, Jaipur, Oct., 29-31, 1982

(ii) Seminar organised by the Gujarat State College and Univ. Sanskrit Teachers' Association, V. V. Nagar, 19th and 20th March, 1983

'Brahmasutrabhashyalochana of Vidya-bhaskars Pt. Manishankar V. Upadhyaya of Baroda.

'Criticism and Abuses found in the Anubhasya'.
'Rgvedaniketalik mantradsarsini strio'.

Sociology :

33. Rajaram, N.

Workshop on Cooperative and Rural Development in India held at Centre for Advanced Study in Sociology Dept. of Sociology, University of Delhi 4-5 March, 1983

'The Structural Linkages of a Crisis in a Milk Cooperative Society in Kheda Dist., Gujarat.

5. Talks of academic nature given at different Universities/Professional Institutions :

Name of the Teacher	University/Inst.	Title of the Lecture
1. Hegde	2	3
	2	A series of three lectures on environmental archaeology.
	25 June 1982	'Ancient methods of copper ore Mining and smelting in the Aravalli hills'.
	25 June 1982	'Ancient Indian Ceramic Technology'.
	Faculty of Oriental	'Ancient Indian Copper Metallurgy'.
	Centre for South-	
	1982	
	school of Geography, 8	'The Geological and Climatic contributions to the Development of Great Indian Desert'.

25. Mod-
(v) Nov.,

26. De,

- (vi) Nagarjuna Univ. Dept. of History and Culture 21-24 Feb., 1983
 (vii) Univ. of Bombay, Post Graduate Centre for studies in Indology, 26 Feb., 1983

Gujarati :

2. Mehta, S. Y.
 (i) Forbes Gujarati Sabha Bombay 30-8-1982
 (ii) Gujarati Sahitya Parishad, Ahmedabad, 12-3-1983
 (iii) Manipur State Kala and Sahitya Academy on Imphal, 24-25th March, 1983
 (iv) Bharat Bhavan, Bhopal
 (v) South Gujarat Univ. Surat, Dec., 1982
 (vi) Saurashtra Univ. Bhavnagar, Jan., 1983

Hindi :

3. Gupta, M. G.
 4. Shah, K. M.
 Rajendrasingh Arts/Sc. College, Rajpipla
 Ispat College, Rourkela—Orissa.

History

5. Misra, S. C.
 University of Wisconsin, Madison, U.S.A.
Persian, Arabic and Urdu
 A Study of Urban History in India.
 8. Siddiqui, M. H.
 Association of Languages, Faculty of Arts, MSU.
 'Modern Urdu Short Story writing after 1950'.

Political Science

7. Rana, A. P.
 Gujarat Rajyashastra Mandal 6th Conference : Navasari, 6th December, 1982.
 "The State of Contemporary Non-alignment".
 8. Thomas, Pantham
 Sardar Patel University, February, 1983.
 UGC Visiting fellow, delivered eight lectures in Democratic Theory and Seven Lectures on Indian Politics.
 9. Shukla, H. C.
 Sardar Patel University, October, 1982.
 UBO and World Order.

Sanskrit

10. Kantawala, S. G.
 (i) Aurobindo Society, Baroda
 (ii) Study Circle Jambusar College, Jambusar
 Bhagavat Vidyapitha, Sola, Ahmedabad
 Summer School in Linguistics, South Gujarat University, Surat, June, 1982.
 Some Aspects of Rigveda, 12 Sept., 1982.
 Ancient Indian Culture and Vedanta Philosophy on 7-12-1982.
 Importance of Mantraaja (In Gujarati).
 Techniques in Panini's Grammar.

Sociology

13. Patel, P. J.
 (i) Railway Staff College Baroda, 20-7-1982
 (ii) Railway Staff College Baroda, 22-7-1982.
 (iii) Railway Staff College Baroda, 7-12-1982.
 'Concept of Industrial Relations'.
 "Trade Union Movement in India : Emerging Trends".
 "Historical Perspective of Industrial Relations in India".

Economics

14. Kothari, V. N.
 Problem of Employment and employment Guarantee.
 Characteristics of Economic Growth in India.

A series of four lectures on radiometric methods of dating the past.
 'Methods of Mining, smelting and smelting of copper in Ancient India'.

'Narasimha Maheta ni Kavita—Ek Punarmulyankan.'
 'Premanandni Kavita' Ek Punarmulyankan
 A series of three Lectures 'Indian Literature—The question of Unity' and 'Medieval and Modern Guj. Literature in context of Indian Literature'.
 Reading from his own poetry.
 'Kavitānu Vivechan'.
 'Gujarati Natak Ketlak Prashno'.

'Samajik Jivan mem Sahitya Ka Yogdan'
 'Chhayavadi Kavyandolan aur Kvaiyom Ki Bhumika'.

15. Dholakia, R. H. (i) B. J. Commerce College Vallabh Vidyanagar, Capital Budgeting, 18th January, 1983.
 (ii) Sardar Patel Institute of Economic and Social Research, Ahmedabad, 2nd February 1983
 Training Programme on the Methodology of Formulating District and Block Plans.
 (iii) General Administrative Department (Planning) Government of Gujarat, Gandhinagar, 2nd March, 1983.
 Philosophy of Minimum needs Programme.

English

16. Birjepatil, J. H. American Studies Research Centre, Hyderabad, July, American Literature, 1982.
17. Joneja, O. P. (i) University of Guelph, Canada, February, 1983. Indo-Anglian Novel: A Survey.
 (ii) University of Winnipeg, Canada, February, 1983. Salman Rushdie's *Midnight's Children*: A Historical Novel.
 (iii) University of Toronto, Canada, February, 1983. Indian in E. M. Forster's *A Passage to India*.
 (iv) Black Literary Society Montreal, Canada, November, 1982. Chinua Achebe's Africa in *Things Fall Apart*.
 (v) Concordia University, Canada, English Colloquium, March, 1983. Post-Colonial Novel in Africa and India.
 (vi) Department of Sociology, January, 1983. Social Stratification in India since the Vedic Ages.
18. Salat, M. F. Association of Languages, Faculty of Arts MSU, 'Modern Canadian Short Story', Baroda.

6. Participation in Professional Programme, Workshops, Summer School etc. :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
1	2	3

Economics :

1. Dholakia, R. H. (i) Workshop on Block Level Planning, Dept. of Rural Studies, South Gujarat Univ. Surat, 4-6 Oct., 1982. Rapporteur in the Sessions on Agriculture, Dairying and Animal Husbandry.
 (ii) 14th Gujarat Economics Conference, Baroda, 7th 8th Nov., 1982. Rapporteur in the Session on Economic Implications of Narmada Project.
 (iii) 3rd Annual Conference of the Society for the study of Regional Disparities, Bhopal, 27th 29th Nov., 1982. Chairman in the Sessions on General Issues.
 (iv) National Seminar on Economics Development and Regional Disparities, Giri Institute of Development Studies, Lucknow, 19th 21st March, 1983. Participant

Linguistics :

2. Devi, Usha Workshop on Australian languages and English Semantics by Prof. Robert Dixon, Australia, Hyderabad 17-1-1983 to 10-2-1983. Participant

Persian, Arabic and Urdu :

3. Siddiqui, A. A. Refresher Course in Modern Persian at M.S.U. 7th Local Participant to 27th Nov., 1982 —do—
 4. Siddiqui, S. B. —do—
 5. Faruqui Faizanullah —do—
 6. Kadri, A. S. —do—
 7. Siddiqui, M. H. —do—

Political Science :

8. Rana, A. P. (i) VIIth World Congress of The International Political Science Association; Rio de Janeiro, Brazil, August 9-14, 1982
 (a) Convener, Section I 4.2 on "The Dynamics and Future of Nonalignment"
 (b) Panel Chairman of one of the two panels of Section 4 : 2.
 (c) Papers-Participant (see 4 above)
 Chairman, International Relations Panel. Faculty Member.
- (ii) Gujarat Raiyashstra Mandal 6th Conference : Navsari, 26 Dec., 1982
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
- (iii) UGC National Seminar on "The Non-Aligned Movement New Dimensions and Challenges", Banaras Hindu University, Varanasi, 13-15 February, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
- (iv) UGC All India Advanced Level Institute on "Indian Foreign Policy Analysis" M. S. University of Baroda, January 10-30, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
9. Thomas Pantham All-India UGC Institute on Indian Foreign Policy Analysis, M. S. University of Baroda, Jan. 10-30, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
10. Nandedkar, V. G. All-India Advanced Level Institute on Indian Foreign Policy Analysis (UGC) M. S. University of Baroda, January, 10-30, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
11. Shukla, H. C. All-India UGC Institute on Indian Foreign Policy Analysis, M. S. University of Baroda, January 10-13, 1983, USIS Sponsored Seminar on American Foreign Policy in the Eighties at Bombay March, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
12. Mohite, D. H. (i) All India Institute on Indian Foreign Policy and Analysis Dept. of Political Science, M. S. University of Baroda, Jan. 10-13, 1983
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.
- (ii) U.S.E.F.I. Institute on American Govt. and Foreign Policy June 15 to 30, 1982
 (a) Institute's Hon. Director.
 (b) Delivered Lectures as Local Faculty member.
 Local Faculty gave two talks on World Order Studies.

Research study of Ant

- (iii) U.S.I.S. Seminar on American Foreign Policy, Lonavala, August, 1982. Moderator of one session.

Sanskrit

13. Kantawala, S. G. (i) Eight Annual Conference of the Gujarat State University and College Sanskrit Teachers' Association, Jetalpur, 4-6 April, 1982. Presided over a session on 4-5-1982 and delivered the presidential address.
 (ii) Seminar on "Unity of Courses in Sanskrit" organised by the Gujarat University and Gujarat State University and College Sanskrit Teachers' Association, Ahmedabad, 2-3 October, 1982. Participated and presided over one of the sessions viz. M.A. and M.Phil. Courses in Sanskrit, 3-10-1982.
 (iii) The Nehru Centre, Bombay, 22-23 January, 1983. Participated at a Group-Meeting on "Scientific Temper and Spiritual Values"
 Deputed by the M. S. University.
14. Rawal, A. J. (i) Advanced Level Inst. of "Vedic Interpretation, Modern and Traditional" Bangalore, 7-6-82 to 27-6-1982. Participant.
 (ii) Seminar on "Unity of Courses in Sanskrit" organised by the Gujarat University and Gujarat State University and College Sanskrit Teachers' Association, Ahmedabad, 2nd and 3rd October, 1982. Participant.
 Seminar on "Unity of Courses in Sanskrit" Ahmedabad, 2nd and 3rd October, 1982 organised by the Gujarat University and Gujarat State University and College Sanskrit Teachers' Association, Ahmedabad. Participant.
 Seminar on "Unity of Courses in Sanskrit" organised by the Gujarat University and Gujarat State University and College Sanskrit Teachers' Association, Ahmedabad on 2nd, 3rd October, 1982. Participant.
 Summer School in Linguistics Department of Linguistics, South Gujarat University, Surat, May-June, 1982. Participant.
15. D. 16. Deshpande
 17. Jain, J. A.
 1. Dr. M. An

Political Science
B. S.

8. (i) Group Meeting for B.Ed. Syllabus in Sociology, Workshop at Varanasi by National Council of Educational Research and Training, New Delhi, August, 26-28 1982. Invitee.
- (ii) XIV Gujarat Economic Conference of Gujarat Economic Association. Department of Economics, M. S. University, Baroda, November, 7-8, 1982. Invitee.
- (iii) Conference on "Voluntary Work" organised by B.C.C. with the help of UNICEF and Leslie Sawhny Programme, December, 13-14, 1982, Baroda. Participant.
- (iv) All India Seminar on Society, Literature and History, Department of History and Advanced Centre, M. S. University, Baroda, March, 11-14, 1983. Invitee.
- Participated in a Workshop on Co-operative and Rural Development in India, Centre for Advanced Study Department of Sociology, University of Delhi, 4-5 March, 1983. Participant.
- U.G.C. sponsored—All India Workshop on "Research Methodology in Social Sciences", Dept. of Sociology, University of Jodhpur, Jodhpur, July 7-20 1982. Participant

19. Rajaram, N.

20. Choondawat, P. S.

7. *Exhibition, Performances, Demonstrations etc. at State, National or International levels.*
Special Exhibition :

Arranged a Special exhibition on Archaeology of Saurashtra with special reference to Jamnagar District at Baroda High School, Jr. 2, Alkapuri, from 25 to 27 February, 1983.

English :

Shakespeare Society presented (i) WAITING FOR GODOT by Samuel Beckett on January 29-30 in Baroda, and on March 7 in Gandhinagar—the latter at the invitation of the Director of Information, Gujarat State.

(ii) HAYAVADANA :

By Girish Karnad on January 31 and February 1 in Baroda, and on March, 8. in Gandhinagar. The chief minister, Hon'ble Shri Madhavsinh Solanki attended both the above performances.

(iii) TEN LITTLE INDIANS :

By Agatha Christie on February 2 and 3 in Baroda.

8. *National and International Awards and Distinction :*

Name of the Recipient	Description of the Award
History :	
1. Misra, S. C.	(i) General President of the Indian History Congress, 1982. (ii) Award of Visiting Professorship to U.S.A. by the University Grants Commission.
Sanskrit :	
2. Kantawala, S. G.	(i) Honorary degree of "Mahamahopadhyaya" conferred by Maithili Vishva Vidyapeeth. Kendriya Vishvavidhyalaya, Mathilapuri, Durbhanga, Bihar, Sept. 1982. (ii) Honoured by the Rajasthan Sanskrit Samsad, Jaipur, as a Vishishta Scholar at the hands of H.E. Air Chief Marshal (Retd.) O.P. Mehta Governor, Rajasthan on 28th October, 1982.
9. Visitors :	
Name	Designation
1	2
	Date/Duration of the Visit
	3

2. Mrs. Betsey Barnes American Embassy Wife of the American Ambassador, New Delhi 9-12-1982

Economics :

Prof. Lakdawala, D. T. Former Deputy Chairman of the Planning Commission 16th February, 1983.

English :

4. Ms. Atwood, Margaret Noted Canadian Writer October, 1982.
5. Mr. Gibson, Graeme Noted Canadian Writer October, 1982.
6. Prof. Ghose, Sisir Kumar U.G.C. National Lecturer Santiniketan November, 1982.
7. Prof. Harper, Michael Black American Poet Brown Univ., U.S.A. January, 1983.
8. Mr. Lannay, Richard Writer and critic February, 1983.
9. Mr. Rushdie, Salman Noted Novelist, writer of 'Midnight's Children' March, 1983.

Gujarati :

10. Shri Darshak Novelist, President Gujarati Sahitya Parishad March, 1983.
11. Dr. Chaudhari, Raghuvir Novelist, Secretary, Gujarati Sahitya Parishad March, 1983.
12. Dr. Sheth, Chandrakant Poet, Director, Kala Svadhyay Bhavan, Gujarati Sahitya Parishad March, 1983.
13. Shri Parekh, Ramesh Poet December, 1982.
14. Shri Shukla, Rajendra Poet December, 1982.

(iii) Department study of Anh

Name	Designation	Date/Duration of the Visit
15. Shri Marayan Shyam	Sindhi Poet	August, 1982
16. Shri Gadhavi, Manubhai	Folklorist	March, 1983
History		
17. Prof. S. Hasan, Nurul	Vice-Chairman C.S.I.R., New Delhi	11-13 March, 1983
18. Prof. Satish Chandra	Professor in History JNU, New Delhi. Ex-Chairman—UGC.	12-13 March, 1983
19. Prof. Joshi, Uma Shanker	Chairman Hindi Sahitya Academi, New Delhi	14th March, 1983
Marathi		
20. Prof. Malshe, S. G.	Retired Professor and Head, Department of Marathi SNDT University, Bombay	24-8-1982
Political Science		
21. Dr. Groom, A. J. R.	Co-Director, Centre for the Analysis of Conflict, University of Kent at Canterbury	January, 20 to March 20, 1983
22. Mr. Noel, Edgar	Director, USIS, Bombay	March 21, 1983
Sanskrit		
23. Dr. Bhat, G. K.	Formerly Professor of Sanskrit Elphinstone College, Bombay and Ex-Curator and Director, Bhandarkar Oriental Research Institute, Pune	25-8-1982 to 31-8-1982
Sociology		
24. Prof. Desai, A. R.	Former-President of All India Sociological Society and Former Professor and Head, Department of Sociology University of Bombay	21-9-1982 to 23-9-1982
25. Prof. Macfarlane, Leslie	Sr. Tutor Fellow, St. John's College, Oxford University, England	8-2-1983
26. Prof. Terrell Curver	Professor, Bristol University U.K.	

10. Any activity of academic/social significance organized in or by the Faculty not included under previous items :

Economics

The 14th Gujarat Economic Conference was held in Baroda on 7th and 8th November, 1982 under the auspices of the Department of Economics.

11. Extension Service :

Archaeology

Conducted tours for the students of High Schools of Baroda through the museum, followed by illustrated lectures :

- (A) The names of the institution which visited the museum:
- (a) Jesus and Mary Convent School on 7th August, 1982.
 - (b) Kendriya Vidhyalaya on 13th to 15th October, 1982.
 - (c) Government Women Training School on 6th and 8th October, 1982.

English

At the request of the Gujarat Electricity Board, the Department organised a three-month Refresher Course in English for its middle level executives. Dr. C. K. Seshadri was the Director of the Course. M/s. S. K. Rana, A. Pepallia and B. S. Kamble were the other teachers who taught the course.

Gujarati

The Department organized several literary cultural programmes in collaboration with Premanand Sahitya Sabha, Vadodara. These included a Mushaira (February, 1983) a Recitation of Folk-tales (March, 1983) and Sanjah Sannidh Meet the Author (March, 1983) the last jointly with the College of Drama and Music, M.S.U. and Premanand Sahitya Sabha.

Persian, Arabic and Urdu

Organised Refresher Course in Modern Persian Sponsored by U.G.C 7-27 November, 1982.

2. Mrs. Betsey P
Economic
Prof. Lal

7. Reddy, T. S. and Horrocks, L.A.A.
8. Ramakrishnan, C. V., Telang, S. D. and Uma, S.
9. Naik, B. I., Goshy with effect G. and Srivastava, Smith, T.
10. Srivastava, S. and Vishnan, C. V. Shah, M. Purnam, Smita K. N.
11. Telang, S. D. and Mandel, P.

CHAPTER VIII

1. Courses of Studies

Additional new options, groups of subjects etc. were provided in the existing courses during the year.

(a) Department of Geography :

The following new papers were introduced from the F.Y.B.Sc., S.Y. B.A., S.Y.B.Sc. and M.A. M.Sc. (Prev.) classes during the year 1982-83.

Arts

- (i) F.Y.B.Sc. (Sp. and Subs) Paper II : Bio-Geography
- (ii) S.Y. B.A. (Major and Minor) Paper II : Human Geography
- (iii) M.A. (Part One) Paper I : History of Geographical Thought and Research Methodology
- Paper II : Geomorphology
- Paper III : Agricultural or Industrial Geography
- Paper IV : Practical Geography

Science

- F.Y.B.Sc. (Sp. and Subs) Paper II : Bio-Geography
- S.Y.B.Sc. (Sp. and Subs.) Paper II : Human Geography
- M.Sc. (Previous) Paper I : History of Geographical Thought and Research Methodology
- Paper II : Geomorphology
- Paper III : Agricultural or Industrial Geography
- Paper IV : Practical Geography
- Paper V : Soil and Water

Department of Mathematics :

- 1. S. and Vishnan, C. V. Shah, M. Purnam, Smita K. N.
- 2. J. and s Bell
- 3. Modi, Rhatt, D. P. Studies on some factors determine the pollutant
- 4. Shailubhai, Sahasrabai tissue cultures of

of Anhy
Remotax
fate and
Dislocation etching

- C. V. The use of fermented foods in India
- Kshmi, R. Improving the supply, quantity and utility of carbohydrates
- Trishnan, C. V. Role of Nutrition in the chemical maturation of rat brain
- S. D., Reddy and S. Mukut varjit Plasmalogens and O-Alkyl glycerophospholipids
- and sors by C.C.C.
- (i) Effect of postweaning protein deficiency on the content and lipid composition of gray and white matter in neonatally undernourished rat brain.
- (ii) Effects of maternal thiamine deficiency on the lipid composition of the rat whole brain, gray matter and white matter
- Effects of nutritional rehabilitation on the content and composition of brain gray and white matter of neonatally undernourished rat
- (iii) Phenol study of Anhydride
- Dislocation
7. Reddy, T. S. and Horrocks, L.A.A. Effects of neonatal undernutrition on the lipid composition of gray matter and white matter in rat brain
8. Ramakrishnan, C. V., Telang, S. D. and Uma, S. Role of nutritive isozymes of glutamate dehydrogenase and polyphosphoinositides in Rat brain
9. Naik, B. I., Goswami, R. G. and Srivastava, S. K. A rapid and sensitive colorimetric assay of diamine oxidase.
10. Srivastava, S. K. and Smith, T. A. (i) The inhibition of growth in higher plants by a homologous series of guanidines and its reversal by spermine
(ii) The effect of some oligoamines and guanidines on the membrane permeability in higher plants
11. Telang, S. D. and Mandel, P. Effects of neonatal undernutrition on enzymes of catecholamine metabolism and biogenic amino levels of mouse brain
451. S. and R. Trishnan, C. V. (i) Effect of preweaning undernutrition, continued post-weaning protein deficiency and nutritional rehabilitation on polyphosphoinositides in rat brain
(ii) Studies on polyphosphoinositides in developing rat brain
- J. and s Bell Ecomorphological and determine the pollutant
- Modi, Bhakt, D. P. Studies on some fish
54. Shailubhai, Sahasrabudh tissue cultures of K., S. R., Vora, K. A. and C. V. V. V. Regulation of carotenogenesis, trisporic acid synthesis and production in *Blakeslea trispora*
55. Govind, N. S., Mehta, Studies to Ind. Jour. of Ecology., 9, 335-337, 1982-83-83-83
content Physiologia Plantarum, 57, 159, 1982.
Indian Review of Life Science.
- In the *Handbook of Indigenous fermented foods*, Ed. K. H. Steinkraus, Marcel Dekker, Inc., USA, 1982.
- In *Nutrition and the Development of Child*, Ed. R. Rajalakshmi, Biochemistry Department, Baroda University, 1982.
- In *New comprehensive Biochemistry* (series Eds. A. Neuberger and L. L. M. Van Deenen) Vol. IV Phospholipids (Eds. J. N. Hawthorne and G. B. Ansell) Elsevier Biomedical Press. 51, 1982.
- J. Biosciences* 4, 463-467, 1982.
- J. Neurochem Int.* 4, 495-499, 1982.
- J. Neurochem.*, 39, 1297-1301, 1982.
- J. Neurochem.* 38, 601-605, 1982.
- In: Integrative neurohumoral mechanisms. L. Angelucci, D.de Wied. E. Endroeci and U. Scapagnini (eds.), Elsevier Biomedical press, Amsterdam, 409-416, 1982.
- Anal. Biochem.* 111, 146, 1982.
- Ann. Botany.* 50, 265, 1982.
- Phytoch.*, 21, 997, 1982.
- Nutr. Rep. Int.*, 27, 103-109, 1982.
- J. Neurochem.*, 407, 1026-1029, 1983.
- J. Neurochem.*, 407, 914-916, 1983.

Prof. L.

P. B. and Origin of Milliolite rocks of Kutch: Microfaunal evidence. Jour Geol. Soc. India 25, 246-258, 1982.
Bombay High.

20. Shringapura, D. M. and Shah, A. N.

Vishwakosha (Marathi Encyclopaedia), Govt. of Maharashtra, 11, 549-550, 1982.

(i) Some trace fossils from the Subathu rocks of Nilkanth, Fauri-Garhwal Himalaya.
(ii) Some calcareous structures from the Subathu rocks of Nilkanth, Pauri-Garhwal Himalaya.

Jour. Geol. India 23, 192-195, 1982.

41. Shah, A. N. and Sychanthavong, S. P.

Pub. C.A.S. in Geol. Punjab Uni. 13, 119-128, 1983

Tectonic evolution and stress conditions in the development of the Kathmandu nappe and Kathmandu basin, Nepal Himalaya.

Himalan Geology, 10, 304-325, 1982.

42. Karanth, R. V.

Fluid inclusion studies in calcite from lower Narmada Valley, Gujarat State.

Proceedings of National Workshop on Fluid inclusion studies, I.I.T., Bombay, 68-76, 1982.

Mathematics

43. Savitakumari and Singhal, J. P.

(i) On a unification of generalized Humbert and Laguerre Polynomials.

Jnanabha (Prof. Arthur Erdelyi Memorial Volume) 9/10 (1980), 171-178, Published in 1982.

(ii) On an extension of an inverse series relation

Bull. Inst. Math. Acad. Sinica. 10, 171-175, 1982.

(iii) On an inversion Formula

Ind. J. Pure Appl. Math. 13, 907-911, 1982.

44. Kaulgud, N. N.

Regulation of an endocrinal system.

INRIA Report No. 180 Dec., 1982.

Dislocation etching

Microbiology

45. Modi, V. V.

Microbiology and management of Environment.

Proc. National Workshop on Microbial degradation of Wastes. Dept. of Environment, New Delhi, 21, 1982.
Can J. Microbiol, 29, 33, 1983.

46. Shah, Kethan, Patel, C. and Modi, V. V.

Linkage mapping of *Rhizobium japonicum* D211 by phage M-1, mediated transduction.

Fur. J. Appl. Microbiol and Biotech., 15, 3335, 1982.

47. Dholakia, J. N. and Modi, V. V.

Fermentative production of B carotene and extracellular B-glucosidase by *Blakeslea trispora* grown on cellobiose.
Rhizobial glutamine synthetase

Proc. National Symp. on Biological Nitrogen Fixation. Dept. of Atomic Energy, 8, 190, 1982.

48. George, Usha, Modi, V. V. and Rao, Prakash

Preliminary characterization of Adenosine triphosphatase from soyabean.

Proc. National Symp. on Biological Nitrogen Fixation. Dept. of Atomic Energy, 8, 190, 1982.

49. Sethna, Phiroze and Modi, V. V.

On the Atomospheric Sulphur Dioxide and Benzo(a)pyrene pollution in Baroda (India)

Proc. National Symp. on applications of Nuclear and Allied Techniques in Public Health and Pollution Control organized by Dept. of Atomic Energy, P. 44, 1981.

50. Rao, N. N. and Modi, V. V.

Some aspects of radiation hygeinization of sewage sludge

51. Kapila Smita Puranam R. S., Rao, N. N., Modi, V. V., Ekbote, R. and Shah, M. N.

Radio sensitization of selected bacterial strain by chemicals—some aspect

Proc. National Symp. on application of Nuclear and Allied Techniques in Public Health and Pollution control organized by Dept. of Atomic Energy, 87, 1981.
Experientia, 38, 70, 1983.

52. Purnam, R. S., Smita Kapila, N. N. and Modi, V. V.

Metabolism of Resorcinol and Salicylate in *A. niger*

53. Ge Pa

Shah, Shubh, Somayaji R., Rao, N. N. and Modi, V. V.

FEMS Microbiol Letters. 18, 279, 1983.

54. Shailubhai, Sahasrabudhe K., S. R., Vora, K. A. and Modi, V. V.

Degradation of chlorinated derivatives of phenoxyacetic acid and benzoic acid by *A. niger*

Proc. of II Reunion (entifica De Microbiologia Industrial, Spain, 36, 1983.

55. Govind, N. S., Mehta, B. J. and Modi, V. V.

Regulating of carotenogenesis, trisporic acid synthesis and sexual reproduction in *Blakeslea trispora*

20. Shringarpal, S., and Shah, H. S. and V. V. Role of some oxidative enzymes in root nodules of *Trigonellus foenum graecum* Experimentia, **39**, 155, 1983.
- Medh Sujata and Thhatpar, H. S. Effect of Chloramphenicol on some of the cytosolic enzymes from *Aspergillus niger* Current Science, **52**, 350, 1983.
41. SychaMehta, A. M., Patel, K. A. and Dave, P. J. (i) Isolation and purification of an inhibitory protein from *Lactobacillus acidophilus* ACl Microbios **37**, 37, 1983.
42. K. (ii) Prodigiosin, a component of Kappa Phage receptor complex in *Serratia marcescens* Microbios, **34**, 153, 1982.
- (iii) Inhibition of *Staphylococcus aureus* by two strains of *Streptococcus cremoris* isolated from curd Arogya J. Health Science, **8**, 62, 1982.
- 4 59. Buch, J. K., Buch, Silpa and Dave, P. J. Microsome mediated mutagenicity of aflatoxin B₁ in *FEMS Microbiology Lett.* **13**, 349, 1982.
60. Desai, H. S. and Rao, N. S. (i) Electron Scattering by Hydrogen atom in HHOB approximation (H 2S) J. of Phys. B, Atom. and Molec. **16**, 863, 1983.
- (ii) Electron Scattering by Li atom in HHOB Approximation Indian J. of Pure and Appl. Phys. **21**, 159-162, 1983.
- (iii) Inelastic scattering of electron (1S-2S) in HHOB approximation Curr. Sc. **50**, 40B, 1983.
61. Pandya, G. R. (i) Dislocation etchpits in anhydrous diglycine sulfide crystals Krist und Tech., **3**, 1982.
- (ii) Morphological study of ferroelectric domains in triglycine sulfate crystals Surface Technology, **18**, 87, 1983.
- (iii) Anhydrous diglycine sulfide crystals Bull. Materials, Science **5**, 539, 1982.
63. Potbhare, V. N. (i) Yrast bands in light nuclei and the effective interactions in J=0, 2 states Phys. Rev. **C26**, 2706, 1982.
- (ii) Energy dependence of the strength of pairing and quadrupole components of the nuclear effective interactions Zeitschrift fur physik **A309**, 1982.
64. Bhatt, V. P., Patel, R. M. and Desai, C. F. Dislocation Etch Pits and Identification of Slip crystals Ind. J. of Pure and Appl. Phys. **20**, 990-991, 1982.
- Statistics
65. Sreshari, M. On a characterization of the Geometric Distribution Journal of Applied Probability, **20**, 1983.
66. Shah, D. K. and Phatak, A. G. (i) Bounds for the various of MVUE the Fraction J. Ind. Statistical Association. **20**, 59-65, 1982.
- (ii) The maximum likelihood estimation under multiple three class attributes plan-curtailed as well as uncurtailed. Metron Vol. 36/1-2, 99-118, 1983.
39. Vidw. 1. Raj. Anat. Anz., Jena **151**, 137-143, 1982.
2. Parekh, L. Changes in the visceral fat bodies associated with haematopoiesis and lipid metabolism, in relation to tail regeneration in the Scinoid lizard, *Mabuya Carinata*: A histomorphological analysis. *Proceeds. Ind. Acad. Scs.* **91**, 361-366, 1982.
16. Pab. Steroid metabolism in target related to nuptial plumage production in the Boya weaver bird. *Monitore Zool. Ital. (N.S.)*, **16**, 187-196, 1982.
7. Bhatt, 3. Bedi, S. J. and Bell, D. Cross (i) Local and systemic alterations in glycogen content and phosphorylase activity during tail regeneration in the scincoid lizard, *Mabuya carinata* (Boulenger). *Physiol. Zool.*, **55**, 415-422, 1982.
8. De, 4. Mehta, A. R. (ii) Quantitative and electrophoretic analysis of lactate dehydrogenase during tail regeneration in the scincoid lizard *Mabuya carinata*. *Ind. J. Exptl. Biol.*, **30**, 817-818, 1982.
- Swamy, M. S. and Ramachandran, A. V. (iii) Local and systemic alterations in lactate and succinate dehydrogenases during tail regeneration in the scincoid lizard *Mabuya Carinata*. *Ind. J. Exptl. Biol.*, **30**, 817-818, 1982.
8. De, 4. Mehta, A. R. (ii) Quantitative and electrophoretic analysis of lactate dehydrogenase during tail regeneration in the scincoid lizard *Mabuya carinata*. *Ind. J. Exptl. Biol.*, **30**, 817-818, 1982.
- Swamy, M. S. and Ramachandran, A. V. (iii) Local and systemic alterations in lactate and succinate dehydrogenases during tail regeneration in the scincoid lizard *Mabuya Carinata*. *Ind. J. Exptl. Biol.*, **30**, 817-818, 1982.

- (iv) Local and systemic alterations in protein content and transaminases during tail regeneration in the scincid lizard *Mabuia Carinata*.
 Medh Sujata and
 Shah, Chhatpar, H. S.
 Ind. J. Exptl. Biol., 20, 820-823, 198.
- Preliminary observations on tail regeneration in normal and hypothyroid tadpoles of *Bufo anderssonii*.
 Sycha Mehta, A. M., Patel
 K. A. and Dave, P.
 Current Sc. 51, 422-423, April, 1982.
- Diurnal and seasonal variation in liver glycogen and fat in relation to metabolic status of liver and M. Pectoralis in the migratory starling, *Sturnus roseus*, wintering in India.
 Buch, J
 and
 Comp. Biochem. Physiol., 74A, 601-604, 1983.

published Books and Monographs

Sr. No.	Name of the Author/s	Title of the Book/s	Name of the Publisher and year of Publication
1.	Rajalakshmi, R.	Nutrition and the Development of Child	Prof. C. V. Ramakrishnan Bio-Chemistry Department, Baroda University, Baroda, 1982.
2.	Das, Narayan and Patel, Geeta (Editors)	Baroda Reporter	Population Research Centre, Baroda, August, 1982.
	Shah, V. M.	Logarithmic Calculations Explained.	Das and Co., Ahmedabad

4. Papers presented at professional level Seminars, Conferences etc.

Sr. No.	Name of the Teacher	Theme, Organiser's Name, Place and Dates of the Conference/Seminars	Title of Paper
1	2	3	4
Bio-chemistry			
1.	Rajalakshmi, R.	CHEMRWAN-II Manila organised by Int. Union of Chemistry and Int. Union of Nutrition, 1982.	Improving the quality and utility of carbohydrates.
2.	Parekh, L. J.	AMI meeting, Mysore, Nov., 1982.	Indian Fermented Foods.
Botany			
3.	Bedi, S. J. and Bel, D. Cross	Silver Jubilee Symposium of International Society for Tropical Econology, March, 1983.	Effect of Industrial Air Pollution on the biomass and yield of <i>Lycopersicon lycopersicum</i> (Linn.) Karsten (Tomato)
4.	Mehta, A. R.	(i) V International Congress Plant Tissue and Cell Culture. The Japanese National Organising Committee, Tokyo, Japan, 11-16 July, 1982. (ii) National Seminar on "Potential Priorities and Applications of Plant Tissue Culture in Horticultural and Plantation Crops" I.C.A.R. Government of India, CPCRI, Kasargod, 2-4 March, 1983.	(Symposium speaker) Comparative studies on some Physiological aspects in organ forming (Diploid and Haploid) tobacco and non-organ forming Cotton callus tissues. (Plenary Lecture) Growth Morphogenetic Responses of Gujarat. tissues to Phenolic compound.
5.	Padhya, M. A.	—do—	Somatic embryogenesis; regeneration from su Neotecton

Chemistry

- Medi, K. N.
 Chattacharya, P. K.
 ra, S. N.
- Second Annual Conference of Indian Council of Synthesis of fluteno xanthones Delivered Sessional Lecture.
 (i) Second Annual Convention of Indian Council of Chemists, Srinagar, 6-8 December, 1982.
 (ii) IV National Symposium on organo metallic chemistry at Jaipur, 10-13 February, 1983.
 IV National Symposium on organo metallic chemistry at Jaipur, 10-13 February, 1983.

Geography

- Merkeri, R. S., Jaysree and Srivastava, A. K.
 Mishra, B. R.
 ngaswamy, V. C.
- (i) Seminar on "Cartography Education" organised by the Indian National Cartographic Association, Hyderabad, September, 16-17, 1982.
 (ii) International Conference on "Food System of the World" organised by the Department of Geography, Aligarh Muslim University, Aligarh, February, 15-20, 1983.
 National Conference on "Impact of Development on Environment" organised by the Geographical Society of India, Department of Geography Calcutta University, Calcutta, January, 21-25, 1983.
 II Annual Conference on "Geography" organised by the Gujarat Geographical Association, Department of Geography, Gujarat University at Rajkot, March, 13, 1983.
 4th Annual Conference of the Institute of Indian Geographer organised by the Department of Geography, Kolhapur University, Kolhapur, February 10-13, 1983.

Gollerkeri, R. S.,
 De Jaysree and
 Srivastava A. J.

Geology

- Merh, S. S.
 Merh, S. S. and
 Ganapathi, S.
 Merh, S. S., Kansakar, D.
 R., Sharma, T. and
 Vashi, N. M.
 Shringapur, D. M. and
 Shah, A. N.
 Patel, M. P. and
 Merh, S. S.
 das, M. G. and
 el, M. P.
 wal, Y. K., Patel, M.
- Seminar on Gujarat Geographical Association. A method for evaluating quality of Urban Area.
 IV Indian Geological Congress, Varanasi, November, 1982 (Presidential Address)
 (i) IV Indian Geological Congress, Varanasi, November, 1982.
 (ii) 70th Indian Science Congress, Tirupati, January, 1983
 Symposium on Quaternary Episodes in India : Neotectonism, Eustasy and Palaeoclimates, M.S.U., Baroda, February, 1983
 Xth Indian Colloquium on Micro-palaeontology and Stratigraphy, Pune, December, 1982
 70th Indian Science Congress, Tirupati, January, 1983
 Symposium on Quaternary Episodes in India : Neotectonism, Eustasy and Palaeoclimates, M. S. U. Baroda, February, 1983
 Seminar of Heavy metal Pollution, Madras, 1982
- The Terraced Quaternary Deposits of Central Nepal Midlands.
 Tectonic framework of Saurashtra peninsula and its Neotectonic manifestation.
 Quaternary Geology of the Coastal area between Bhavnagar and Mahuva of South eastern Saurashtra with special reference to depositional environments.
 Terraced Quaternary deposits of Kathmandu Valley, Nepal.
 Pattern of Pyritization as observed in the SEM Studies of the Ostracoda from Nilkanth rocks of Pauri-Garhwal Himalaya.
 Evidences of late Quaternary sea level changes in Bhoagavo-Sabarmati Confluence area in Gujarat.
 Coastal Sands of Saurashtra, Gujarat.
 Trace metals in environment.

Significance of Narmada Geofracture in Quaternary Geology of Gujarat.

Symposium on Quaternary Episodes in India : Neotectonism, Eustasy and Palaeoclimates, M. S. U. Baroda, February, 1983

Tranapathi, S. Desai, S. J. Cherh, S. S. 7. Tranapathi, S. and Srinivasan, S. Chamyal, L. S. and Merh, S. S.

Biorthogonal Polynomials associated Jacobi weight function.

70th Session of the Indian Science Congress Association held at Venkateshwar University Tirupati, January 3-8, 1983

Mathematics 27. Singhal, J. P. 28. Ka. 'gud, N. N.

Mathematical Modelling. Study of Nerlovian Model : Singular cases.

(i) Mehta Research Institute, Allahabad, July, 1982 (ii) Indian Institute of Technology, Bombay, December 6-7, 1982

Microbiology 29. Modi, V. V. 30. Chhaipar, H. S.

Role of glutamine Synthetases and plasmid in nitrogenase expression of rhizobia.

Scientific Research and Research Training in Basic Sciences by Indian National Science Academy (New Delhi) at Jadavpur University, Calcutta, Feb., 24-25, 1983

59. Buchar 31. Desai, H. S. and Joshipura, K. N.

Phosphate mediated morphological and biochemical changes in N. Crassa.

51st Annual Conference of Society of Biological Chemists of India held at Chandigarh, November 18-20, 1982.

Physics 31. Desai, H. S. and Joshipura, K. N.

A DWABA approach to scattering. Elastic scattering of electron by H₂.

(i) IVth NWAMP, Calcutta, 1982. (ii) IVth NWAMP, Calcutta, 1982.

Logarithmic Calculations Exp. C. Jamal January, 1983.

Deformation study of Anhydrite crystals

Dislocation etching of Anhydrite crystals

32. Desai, H. S. and Rao, N. S. 33. Desai, H. S. and Chandra Prabha, C. N. 34. Desai, H. S. and Chhaya, V. M. 35. Sreehari, M.

Scattering of electrons by hydrogen and lithium. Two potential formulation in HHOB. Electrons Scattering from alkali halides Molecules.

70th Session of the Indian Science Congress Tirupati, January, 3-8, 1983. Organized jointly by the Collectorate of Baroda Dist. Panchayat, Baroda Municipal Corporation and Tribal Development Board, Baroda, July 24, 1982.

36. Gandotra, M. M. and Das, Narayan 37. Das, Narayan and Day, A. S. 38. Gandotra, M. M. and Oza, Sulochna 39. Vidwans, S. A.

On a Characterization of the Geometric distribution. Family Planning—A New Approach. A district wise Analysis of 1981 Census. Qualitative Monitoring and Evaluation.

Read paper on 'Sensitivity and Parametric Linear Programming'.

16. Pabari 7. Bhatt, K. 8. De, Jayashree

Members have given several talks at various academic institutions during their visits abroad in the period of 1983.

University/Institution Title of the Lecture

3 4

Geology 9. Patel, P. P.

National Museum of Natural History, New Delhi, Impacts of Development. September 21, 1982.

111

17. Tanapathi, S. Desai, S. J.
Cherh, S. S.

17. Tanapathi, S. and P. K.
Srinivasan, S.

Cham-
Merh.

Mathema-
gy

Singhal, J. P.

Geolo-

3. Patel, F. N. N.

4. Karanth, R. V.

Mathematics

5. Patel, N. V.

6. Kaulgud, N. N.

Microbiology

Modi, V. V.

Physics

Shah, S. K.

Statistics

Sreehari, M.

(i) Marathwada University, Aurangabad, 1-4 November, 1982 at National Symposium on Mixed ligand complexes.

(ii) Sessional lecture at Annual Convention of Indian Council of Chemists, Srinagar, Nov. 6-8, 1982.
(iii) I.I.T. Kanpur, March 25, 1983.

The National Technical Forum, Kevadia, Oct., 1982
January 3-8, 1982
(i) Armara Research Institute, Kevadia, Oct., 1982

The Narmada Te-

h and K on 5-9-1982.
Shardagram Gurukul National
I.P.C.L. Training Centre, University

of Socialization of Science, On Biotechnology and tomorrow.
Pune, Oct., 18, 1982.

Saurashtra University

South Gr-

Sur-

Advanced topics in quantum mechanics.

1. Weak law of large numbers.
2. Strong law of large numbers.
3. Central Limit Theorem (Six Lectures).

Participation in Professional Programme, Workshops, Summer Schools etc.

Sr.No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1	Ramakrishnan, C. V.	Workshop on fetal and neonatal development in relation to maternal nutrition and ecological factors, Ibadan, Nigeria, February, 1983.	Organiser.
2	Rajalakshmi, R.	Workshop on fetal and neonatal development in relation to maternal nutritional and ecological factors, Ibadan, Nigeria, February, 1983.	Organiser.
3	Parekh, L. J.	National Seminar on status and impact of heavy metal pollution in India, Madras, December, 1982.	Participant.
4	Bhandari, S. D.	(i) Arizona Health Sciences Centre, Tucson, USA, May, 1982 to February, 1983. (ii) INSERM, Strasbourg, France, February, 1983	UNESCO fellow. UNESCO fellow.
5	Sharma, M. B.	Institute de physiologie, University de Lussanne, Lussanne, Switzerland, March-June, 1982.	UNESCO fellow.
6	Botany Patnak, C. H.	70th Session of ISCA, held at Tirupati (AP) January 3-8, 1983.	As convener of the ISCA Committee on Science and its Social Relations.
7	Bhatt, R. P.	Workshop on Microbial and Molecular Genetics, Patna University, Patna, February 6-26, 1983.	Participant.
8	De, Jayashree	Workshop on "Discipline in writing a Research Paper in Geography" organised by the Department of Geography, Bombay University, Bombay at Bombay, June 26-27, 1982.	Participant.
9	Geology Patel, P. P.	(i) Workshop on "Recent advances in Ground-water Exploration and Management, N.G.R.I. Hyderabad, January, 27-29, 1983.	Participant.

(ii) Fourth International Congress of the International Association of Engineering Geology, New Delhi, December, 1982. Participant.

Mathematics

10. Patadia, J. R. Participant.

UGC sponsored Advanced level Refresher course in Differential Topology and its applications organised by the Department of Mathematics, Saurashtra University, Rajkot, December 1-21, 1982.

Physics

11. Mathrubhuteswaran, V. R. Participant.

A short-term course on MICROPROCESSORS—at I.I.Sc., Bangalore, December, 1982.

12. Kekan, N. L. Participant.

XL-Lab and Glo-Lab Instrument setting training, I.I.T., Kharagpur, 1983.

13. Desai, C. F. Participant.

Thin Film Technology, I.I.Sc., Bangalore, February, 1983.

14. Otia, J. R. Participant.

IXth International Liquid Crystal Conference, Bangalore, December, 1982.

15. Desai, H. S. Participant.

IVth National Workshop on atoms and molecules, Physics, Calcutta, December, 1982.

Statistics

1. Kohli, R. J. Participant.

Summer School organized by ISI, at Mysore, May 31 to June 12, 1982.

Exhibition, Performances, Demonstrations etc. at State, National or International Levels

Botany

1. Prof. Sabnis, S. D. Participant.

Photo-exhibition on "Urban Vegetational Deterioration" at Baroda, at NMNH, New Delhi, September, 2-4, 1982.

Administrative Staff :

2. Chauhan, B. M.

(i) Photographs exhibited at All India Competition 'India is one' organised by Sri Aurobindo Society at Pondicherry, October, 1982.

(ii) Photographs exhibited at All India Photography Exhibition 'Happy moment' at Bombay, October, 1982.

(iii) Exhibited colour transparency at All India exhibition of Photography by the Department of Tourism, Rajasthan, at Jaipur, February, 1983.

8. National and International Awards and Distinctions

Name of the Recipient
Teacher Non-teacher/student

Description of the Award

1 Oza, C. M.

2 Dr. Misra, S. N.

3 Dr. Gadekar, D. R.

Chemistry

2. Dr. Misra, S. N.

Geology

3. Dr. Gadekar, D. R.

(a) Associate Editor, The International Perspectives in Public Health, New York, USA, for environment and conservation.

(b) Panel of experts for the Gujarat State Co-ordinating Committee for Environmental Protection.

(c) Member, Commission on Education on UNCN, Switzerland.

Awarded D.Sc. degree of Jodhpur University.

(i) Correspondent Scientific Event Alert Network, Smithsonian Institution, U.S.A.

(ii) Visiting Fellow to Dibrugarh University, under U.G.C. Scheme of Exchange of Teachers. Taught Course in petroleum geology to M.Tech. students in the Department of Applied Geology, 14 March-12 April, 1982.

(iii) Selected to visit U.S.A. under Indo-U.S. Scientists' Exchange Programme, 20-11-1982 to 31-12-1982, visited concerned departments University of California, Berkeley; conducted research in sedimentology in consultation with Professor R. L. Hay; also visited Smithsonian Institution, Chevron Oilfield Research Company, California and Goddard Space Flight Centre, NASA, Maryland.

4. Shri Shringarpure, D. M. Hari-Om Ashram Prerit Best Research Paper Award in Geology and Geography for the year 1981-82.

Administrative Staff :

5. Chauhan, B. M.

(i) Presented with a copper plate and a certificate by Dr. Jatinbhai Modi Mayor of Baroda on behalf of Baroda Municipal Corporation, August, 1982.

1. Awarded cash prize and a certificate for Photographs on 'Traffic of Baroda' by Government of Gujarat, October, 1982.
- (ii) Awarded cash prize and a certificate for Photographs on 'Traffic of Baroda' by Government of Gujarat, October, 1982.
- (iii) Awarded merit certificate in photography competition organised by 'Earth Science Club' of Varanasi in November, 1982.
- (iv) Awarded cash prize and a certificate at All India Professional Photographic Competition organised by Ahmedabad Photographers Association in December, 1982.
- Microbiology**
6. Shri Jani, J. J.
(M.Sc. Student)
7. Miss Susmita Ram
(M.Sc. Student)
- Physics**
8. Dr. Bhatt, V. P.
- Zoology**
9. Dr. Pilo, Bonny
- Shri Hari-Om Ashram Prerit Bhaikaka Inter-University Smarak Trust Prize for 1980-81. S. P. University, for the best research paper in Physics.
- Visiting Professorship under International Scientific Exchange Programme of Natural Sciences and Engineering Research Council, Canada.

9. Faculty Publications

Sr.No.	Name of the Journal	Name of the Editor/s	Periodicity of Publication
1.	Biochemistry The Baroda Journal of Nutrition	Professor Rajalakshmi, R.	Annually.
2.	Statistical Summary of Medical Examination Reports of the students of the M. S. University, Baroda	Statistical Service Unit, Faculty of Science.	August, 1982 (for the years 1977-78 and 1978-79).

10. Visitors

Sr. No.	Name	Designation	Date/s duration of the visit
1	2	3	4
Geography			
1.	Prof. Deshpande, C. D.	Former Professor and Head, Department of Geography, Poona University, Pune.	30-8-1982
Geology			
2.	Dr. Czygan, W.	Min. Institute, Freiburg (West Germany)	11-3-1983
Microbiology			
3.	Dr. Gopalkrishnan, K. S.	Professor, I.I.T. Delhi	28-8-1982
4.	Dr. Notani, N. K.	Head, Biology and Agr. Division, BARC, Bombay	30-10-1982
5.	Dr. Nadkarni, G. B.	Head, Biochem. and Good Tech. Division BARC, Bombay	30-10-1982
6.	Dr. Tamhare, D. V.	Professor, University Department of Chemical Technology, University of Bombay	30-10-1982
7.	Dr. Kothari, R. M.	Research Officer, Sarabhai M. Chemicals, Baroda	30-10-1982
8.	Dr. Inamdar, A. N.	Department of Bio-chemistry Institute of Science Bombay University, Bombay	30-10-1982
9.	Dr. Talwar, G. P.	Director, National Institute of Med. Sciences, New Delhi	8-1-1983
10.	Dr. Deo, M. G.	Director, Cancer Research Institute Parel, Bombay	8-1-1983
11.	Dr. Manjit Singh,	Research Officer, IPCL, Baroda	29-1-1983
12.	Dr. Dev Sukh,	Director, Malti Chem. Research Centre, Nandesari, Baroda	6-2-1983
13.	Dr. Ghosh, A. C.	Gen. Manager, R. and D Ranbaxy Lab. Delhi	6-2-1983
14.	Dr. Rengaraju, S.	Research Officer, Alembic Chemical Works, Baroda	6-2-1983

1	2	3	4
15.	Dr. Nagarajan, K.	Head, Medical Chem. Division Hindustan Ciba, Geigy Res. Centre, Bombay	6-2-1983
Statistics			
16.	Dr. Mohan, N. R.	Department of Statistics, Mysore University, Mysore	16-8-1982
17.	Dr. Patel Kartik, R.	Department of Statistics, Mississippi State University	30-7-1982
18.	Dr. Thrimurthy, P.	Computer Centre, Sardar Patel University, Vallabh Vidyanagar	12-2-1983
19.	Prof. Pakshirajan, R. P.	Head, Department of Statistics, Mysore University, Mysore	21-3-1983

11. Any activity in the Faculty involving innovation in teaching/research

Botany

1. Dr. Oza, G. M. Convener, Sub-Committee of Environmental Sciences, Faculty of Science, and Co-ordinated a Course of Environmental Appreciation for students and teachers.

2. Geography

Quantitative Geography as a part of the Practical Course and Research Methodology as a part of the Theory course at the M.A., M.Sc. I level have been introduced for the first time to give a new orientation to teaching and research.

A Series of Lectures in the course on "ENVIRONMENTAL APPRECIATION" was held in the Faculty of Science. 704 students participated in this course.

12. Any Programme of the Faculty for the benefit of the Community

1. Biochemistry

Running a Nutrition Field Centre in Baroda.

2. Geography

The Project "Diagnostic Survey for Integrated Rural Planning in Sinor Taluka, Vadodara" is aimed at helping amelioration of the condition of the rural community of the area.

13. Any activity of academic/social significance organised in or by the Faculty not included under previous items

Botany

1. Professor Pathak, C. H.

A. (i) Vice-President, Gujarat Vignan Parishad and
(ii) Treasurer, Society for Clean Environment (SOCLEEN),
Baroda, 1982-83.

B. Professor C. H. Pathak, as Convener ISCA, Popular Science Lectures.
Baroda Centre organised five lectures.

2 Mathematics

1. Prof. Shah, V. M. (i) Worked as Co-opted member of the Committee on "Science and its Social Relations" of the Indian Congress Association for the year 1982-83.
(ii) Worked as a member of the Council of the Indian Mathematical Society.
(iii) Worked as a member of the Council of the Gujarat Science Academy.
(iv) Worked as a member of the Council of the Indian Society for History of Mathematics.
3. Dr. Singhal, J. P. Continued to work as a Reviewer for Mathematical Reviews and Zentral Blut fur Math.

CHAPTER IX (A)

1. Courses of Studies

The Department of Psychology introduced the following two evening Post-graduate Diploma Courses as additional courses :

(1) Diploma in Organizational Behaviour :

The course caters to the needs of students desiring to enter business and industry. The emphasis is on organizational behaviour and organizational development.

(2) Diploma in Clinical and Community Psychology :

The course seeks to develop insight and skills useful in clinical field and community work.

2. Published Articles/Papers

Department of Education :

Sr.No.	Name	Title	Name of the Journal and Date of Publication
1	2	3	4
1.	Yadav, M. S., and Roy, S. and Sudame, G. R.	'Educational Research — Certain Methodological Issues'	Himalayan Jr. of Edu Research and Development: Vol. 1, No. 1, July 1982.
2.	Yadav, M. S., and Menon, S. B. and Arunkumar, P.	'Educational Research as an Interdisciplinary Endeavour'	'New Frontiers in Education', Vol. 12, No. 3, July-Sept., 1982.
3.	Sudame, G. R. and Bastia, K. C.	'NAEP in the Tribal Regions of Orissa State — An Evaluation.'	EPA Bulletin, Vol. 4, No. 4, and Vol. 5, No. 1, January, April, 1982.
4.	Sudame, G. R. and Goel, D. R.	'A Study of School Broadcasts in India'	Indian Education, Vol. XII, No. 3 and 4, June-July, 1982.
5.	Sudame, G. R. and Thiagarajan, A. P.	(i) 'Academic Difficulties of College Youth : A Case Study of Scheduled Castes. (ii) Occupational Preferences of College Students : A Case Study of Scheduled Caste Students'	Indian Education Vol. XII, Nos. 5, and 6, Aug.-Sept., 1982. Jr. of the Institute of Edu. Research, Vol. 7, No. 1, Jan., 1983.
6.	Joshi, S. D.	'Educational Problems of the S.C./S.T. of Baroda District.'	J. MSUB, Vol. XXIX, No. 2.
7.	Christian, J. A.	(i) Concept of Fear of Failure and Hope of Success in Achievement Motivation. (ii) 'The Concept of Self and Concern in Achievement Motivation.' (iii) 'The Inner Motivation of Individuals'. (iv) 'Time Management.'	Nutan Shikshan, Aug., 1982. Nutan Shikshan, Sept., 1982. Nutan Shikshan, Nov.-Dec., 1982. Educational Review, Sept., 1982.

Department of Educational Administration :

8. Darji, D. R. and Sharma, D. K.
- (i) 'Decisional Participation in University Governance.'
 - (ii) 'Decision Making Models for Education Systems.'
 - (iii) 'Indian University Management at Stake.'
 - (iv) 'Decision Making and Faculty Participation.'
 - (v) 'Towards the Exploration of Managerial Behaviour in Education Systems.'
 - (vi) Dimensions of Managerial systems
 - (vii) 'Environmental Awareness and Education Systems.'
9. Dekhtawala, P. B.
- (i) 'Improvement of Morale'
 - (ii) The Concept of Morale
 - (iii) The Measurement of Staff Morale
 - (iv) How to improve staff Morale

Department of Psychology :

10. Gon, M.
- (i) The Meaning of being hurt : A Study in Social emotional relations.
 - (ii) Effect of thing-person orientation and Sex-differences on feeling of alienation.
 - (iii) A comparative Study of purpose in-life among normal and Pathologic groups :
 - (iv) Sex-Differences in thing-person orientation.
11. Daftuar, C. N.
- (i) Power (Control) in an Utilitarian Organisation

- (ii) Certainty of Judgement Scale : An Indian adaptation in Hindi Manas, Sept., 1982.

3. Published Books and Monographs

1. Department of Education :

Sr.No.	Name of the Teacher	Title	Publisher
1.	Shah, M. M.	'Science Work Book for Std. VIII	Gujarat State School Text Book Board, Ahmedabad, May, 1982.
2.	Buch, P. M.	'Innovations and change in Education.' (In Gujarati)	University Granth Nirman Board, Ahmedabad, Jan. 1983.
3.	Panchal, B. R.	(i) 'Guidelines for using the self-study workbooks and its Evaluation system of Various subjects of Std., VIII for Teachers (ii) 'Practice Book for Arithmetic of Std. X for Students and Teachers (iii) 'Practice Book for Social Studies of Std. X for Students and Teachers'	Extension Services Centre Faculty of Education and Psychology, Baroda, August, 1982. Extension Service Centre, Faculty of Education and Psychology, Dec., 1982. Extension Services Centre, Faculty of Education and Psychology, Jan., 1983.
<i>Department of Educational Administration :</i>			
4.	Dongre, P. K. and Others	A booklet on Indian Education—Tantra. Discipline of Sanskrit Education	Bhuvaneshwari Jyotish Karyalaya and The M. S. Univ. of Baroda, March, 1983
<i>Department of Psychology :</i>			
5.	Gon, M.	Thing-Person Orientation and Alienation	Psychology Monograph No. 1 M. S. University Press, Baroda, 1982.

4. Papers presented at Professional level seminars/conferences

Sr. No.	Name	Theme Plan and Dates of the Conference/Seminar	Title of the paper Presented
1		2	3

Department of Education :

- Yadav, M. S., Menon, S. B. and Arun Kumar, P.
National Seminar on Quantitative and Qualitative Approaches in Educational Research, Centre of Advanced Study in Education, Baroda 16-18 March, 1983.
National Seminar on Qualitative and Quantitative approaches in educational Research, CASE, Baroda, 16th-18th March, 1983.
National Seminar on Quantitative and Qualitative Approaches in Educational Research, Centre of Advanced Study in Education Baroda. 16-18 March 1983.
Indian Institute of Education, Pune, September 4, 5, 6, 1982.
- Roy, S.
(i) Baroda District Planning Board 24th July 1982.
(ii) College of Education, Dabok, Udaipur, 29-30, August, 1982.
- Sudame, G. R.
(iii) Ahmedabad Productivity Council and Sardar Patel Institute, Ahmedabad, 20th Sept., 1982.
- Joshi, S. D.
- Shelat, N. A.
Scope and relevance of quantitative and qualitative methods in Educational Research.
Educational Research-Naturalistic approaches reconsidered.
Qualitative Research Methods-Certain Methodological Issues.
Educational Problems of the Deprived : Review and Relevance of Studies at CASE.
'Role of Women and Youth in Population Control'.
Role Perception and Communication.
'Educational Problems of the Deprived—A Review and Relevance.
'Reflections on Caterpillar.
'Motivation and Communication'.

- (iv) S.I.E. Teacher Education Board, Vallabhvidyanagar, 3rd February, 1983.
 (v) Federation of Gujarat Mills and Industries, Baroda, 12 March, 1983.
 (vi) St. Xavier's Institute of Education, Bombay, 28-30 March 1983.

6. Mehta, S. J.

Annual Conference of Indian Association of Educational Technology, Hyderabad, 11-13 February, 1983

Department of Educational Administration :

7. Darji, D. R.

ATTE, All India Education Conference, Jabalpur, Dec. 27-30th, 1982.

Department of Psychology :

8. Gon, M. and Afifa Sultana
 Gon, M. and Thomas, V. D.
 9. Daftuar, C. N.

- (i) 13th Annual Convention of the Clinical Psychologists, Bombay University Nov. 5-7, 1982.
 (ii) 70th Annual Session of the Indian Science Congress Association Tirupati, Jan. 3-7-1983.
 70th Annual Session of the Indian Science Congress, Association, Tirupati, Jan. 1983.

10. Bhatt, I. D.

- (i) International Conference on Consumer Education, Bangalore, Nov. 1982.
 (ii) 70th Annual Session of the Indian Science Congress Association, Tirupati, Jan. 1983.

'Classroom Behaviour'

Baroda in 80's : With Special reference to Women and Children.

- (i) 'Invitation to Grow' Communication Technique.
 (ii) 'Some Techniques of Communication for Teacher Educators.'
 (iii) 'Some Techniques of Communication for Teacher Education. Institutionalization of an Innovation an experience in teacher education.'

'School Adoption Programme in the Faculty of Education and Psychology, M. S. University Baroda.

Locus of Control and Adjustment Patterns of the Adolescents in Bangladesh.
 'Environmental Perception of the Migrants.

Power Distance and Other Work Values among Handicapped and Non-handicapped employees.
 A Study of Brand preference among college students.

A Comparative Study of the Feelings of Insecurity and Degree of purpose in Life among the aurally Handicapped and Non-handicapped Males and Females.

5. Talks of academic nature given at Different Universities/Professional Institutions

Department of Education :

Sr.No.	Name of the Teacher	University/Institution	Subject of the Talk
1	2	3	4
1.	Desai, D. B.	(i) Ahmedabad Productivity Council 18-21 May, 1982 (ii) Department of Education, S.N.D.T. University, Bombay.	Motivation for Middle Managers. (i) Researches in Education (ii) Researches in Effective Classroom Communication. Recent Thinking in Education. 'Researches in Classroom for Secondary Teachers.' 'Renewal in Institutions. Self Renewal.
		(iii) Principals' Association, Baroda, 4 Aug., 1982. (iv) Nanjikalidas Menta Memorial Lecture Porbandar, Aug., 25, 1982. (v) R. G. Teacher's Training College, Porbandar, 25th-27th Aug., 1982. (vi) Tilak Memorial Lectures, Lokmanya Tilak Shikshak Mahavidyalaya, Dabok, (Udaipur) Aug., 29, 1982. (vii) Department of Extension Services, Vidyabhavan Teachers' College Udaipur, 31, Aug., 1982. (viii) Department of Education Madurai Kamraj University, Madurai, Sept. 5, 1982. (ix) Principals' Association of Secondary Schools Madurai, Sept. 5, 1982. (x) Alagappa Chettiar Training College, Karaikudi, Sept. 6, 1982. (xi) Parasakti College, Courtallam, 9-10 Sept., 1982.	Recent Trends in Education. Recent Trends in Researches in Education. Renewal and Innovations in Organisation. The Man in the Organisation. (i) Motivation for better achievement. (ii) Enhancing Self Concept. (iii) Becoming an Effective Lecturer.

- (xii) Department of Education, Himachal Pradesh University, Simla, Nov. 10, 1982. Becoming a better Student.
- (xiii) College of Education, Manipal, T. M. A. Memorial Lectures, 27-28 Nov., 1982. (i) In search of Happiness (ii) New Life in Classrooms.
- (xiv) St. Agnes College, Mangalore, Dec. 1, 1982. 'Motivation in Self.'
- (xv) Anami Headmasters' Association, Vallabhvidyanagar, Dec. 17, 1982. 'Innovations in Institutions.'
- (xvi) M. B. Patel College of Education, Vallabhvidyanagar, Dec. 30, 1982. 'Educational Management.'
- (xvii) B.Ed. College, Bhavnagar, 1st, 2nd Jan., 1983. Improving Classroom Teaching.
- (xviii) Anami School Groups, Vallabhvidyanagar, 3rd Feb., 1983. Motivation in Schools.
- (xix) Department of Education Waltair, Feb. 26, 1983. Recent Trends in Researches in Education.
- (xx) Maharaja College of Education, Vizianagaram, 26 Feb., 1983. The Need for Research.
- (xxi) Centre for Advanced Study in Psychology, Utkal University, Bhubaneswar, 28 Feb. to 2nd March 1983. (i) The need for Research. (ii) The Human Behaviour.
2. Yadav, M. S. School of Education, Himachal Pradesh University, 13-14 May, 1982. Scientific Method in Educational Research.
3. Shah, M. M. Pilvai College Mehsana, May, 1982. Role of Education in Life.
4. Shelat, N. A. Vidyabhavan Teachers' College, Udaipur, 31 Aug., 1982. Becoming a Better Teacher.
5. Buch, P. M. Dev Samaj College of Education for Women, Ferozpur, Sept. 24, 1982. 'Changing Role of Teacher.'
6. Panchal, B. R. (i) P.T.C. College for Women, Godhra, Dt. Panchmahals, Aug. 31, 1982. Educational Evaluation.
- (ii) P.T.C. College for Women, Chhota Udaipur, 27 Jan., 1983. Programmed Learning Method.
- (iii) P.T.C. College for Women, Dabka, Dt. Baroda, Feb. 16, 1983. Action Research.

Department of Psychology :

7. Pathak, N. S. (i) N. and A. Arts College, Vallabhvidyanagar, 23 Sept., 1982. Psychology applied to Industry.
- (ii) Shri Aurobindo Society Baroda, 23 Oct. 1982. Ishavasyam Upanishad.
- (iii) Oil and Natural Gas Commission, Baroda, October 11, 1982. Problems in Communication.
- (iv) Indian Petro-Chemical Corporation Ltd., Baroda Workers Education Scheme, Oct. 11, 1982. Effective Communication.

6. Participation in Professional Programmes, Workshops, Seminars, Summer Schools etc.

Department of Education :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which Participated
1		3	4
1.	Shelat, N. A.	(i) Seminar on 'Status of Women reflected in the Textbooks. Gujarat State School Textbooks Board, Ahmedabad, 12 Feb., 1983.	Participant
		(ii) Workshop Research Cell, Gujarat Textbooks Board, Ahmedabad, 12 Feb., 1983.	Participant
2.	Panchal, B. R.	(i) Orientation Programme for Course Directors for the Training Programme of Primary Teachers of English Class V, H. M. Patel Institute of English Training and Research, Vallabh Vidyanagar, 9 to 11 April, 1982.	Participant

1	2	3	4
		(ii) State Level Seminar on Assignment Approach of Teaching and Use of Self Study Workbooks. Gujarat Secondary Education Board, A. G. Teachers Training College, Ahmedabad, 17 July, 1982.	Participant
3.	Christian, J. A.	Orientation Course in Teaching Geography for Population Education Concepts. Sponsored by NCERT and R.C.E. at Bhopal 13 Sept. to 18 Sept. 1982.	Participant
<i>Department of Educational Administration :</i>			
4.	Dongre, P. K.	(i) Gujarat State Seminar on Teaching of English and Syllabus Construction for Classes V to VII. 29-30 Aug., 1982. (ii) Conference of Secondary School Teachers, Padra Taluka, 12 Dec., 1982.	Expert Presidential, address Resource Person
5.	Dekhtawala, P. M.	(i) Seminar on Achievement Motivation, Ahmedabad Productivity Council, Ahmedabad, 29 May, 1982. (ii) Seminar on Administration and Management, Govindrao Madhyavarti Shala, Baroda, 21 May, 1982. (iii) Seminar on Teaching of Gujarati for Std. X for Secondary Teachers. M. C. Patel Kanya Vidyalaya, Chhota Udaipur, 27 Jan., 1983.	Resource Person Resource Person Resource Person
6.	Pathak, N. S.	(i) Short-Term Institute on Statistics applied to Psychology and Education for College Teachers, Gujarat University, Ahmedabad, Feb., 1983. (ii) Training Programme for Executives in 'Team Building' at Bharat Heavy Electricals, Baroda, 6-8 Oct., 1982. (iii) Training Programme for effective Supervision, Baroda Management Association, December 1982. (iv) Seminar on Problems of Teaching Psychology at Higher Secondary Level, Dahod, Deptt. of Extension Services, M.S.U. Baroda, 25 Sept. 1982.	Resource Person Director of the Programme Resource Person Resource Person
7.	Gon, M. and Parlikar, R. K.	Workshop on 'Cognitive Therapy' conducted by Prof. J. Gillis of Oregon State University U.S.A. at the Department of Psychology, Poona University, Poona, Feb. 24-26, 1983.	Participants

7. An Activity of academic/social significance organized in or by the Faculty not included under previous items.

(a) National Seminar :

A National Seminar on Methodology of Educational Research was held at CASE between 16 and 18 March 1983. The theme of the Seminar was Quantitative and Qualitative Approaches in Educational Research. Fifteen participants from different Indian Universities and research institutes, as well as the staff and research scholars of the Faculty participated in the Seminar. Nine papers on different aspects of the theme were presented and discussed.

(b) Seminars and Training Programmes for Doctoral Scholars :

In the Centre in the regular weekly seminars on Tuesdays and Saturdays the doctoral scholars present their research proposals and report their studies after completion. In such seminars conceptual papers on different thrust areas of research in the Centre as well as significant developments and issues in the field of education are also presented by the staff members and research scholars. As in the previous years, in the current year also, nearly twentyfive such seminars have been held. Creating sufficient interactional situations for the scholars among themselves and with faculty members, this programme developed in scholars, apart from knowledge and interest in the methodology of research, proper perspective for educational research, its relation to other developmental aspects of society and life in general.

In the year under report another training programme in research methodology, especially for full-time doctoral scholars has been started by the Centre. In nearly fifty sessions spread out over the year the doctoral scholars have been oriented in detail in different aspects of educational research methodology, and issues and problems encountered therein with a view to developing insight into the research process.

8. Any programme of the Faculty for the benefit of the community

Extension Services :

- (A) Programmes for development in education for tribal, and Adivasi areas.
- (B) Programmes for development of Primary Teacher Educators.
- (C) Programmes for school renewal.

Under programme A, a project undertaken for the improvement of Std. X results was evaluated. Under programme B, orientation in areas like Population Education, Educational Evaluation and Microteaching were conducted. Apart from these, under the programme C, various workshops and seminars were held to help the teachers in the following :

- (i) Orientation in the reorganised and
- (ii) Orientation and training in differe
- (iii) Use of self-study techniques and
- (iv) Vocational and educational gui'

CHAPTER IX (B)

1. Course of Study

The School follows the syllabus and the courses prescribed by the Department of Education, Government of Gujarat and the Secondary Education Board of Gujarat State.

2. Experiments and Activities

School children collected contribution for Children's Hospital to be established by Medical care Centre. A cheque of Rs. 18,916/- was presented to Smt. Arunaben Mehta.

Tree plantation day was celebrated by the pupils of Std. VII and 100 trees were planted by the staff and the pupils.

The play 'Ek-Hati-Sona' presented by the school won the First prize in Child Drama Competition organised by Gujarat Rajya Sangit Nritya Natak Academy.

Children of Std. V exhibited their project on 'Asiad-82'.

'Alakh Bevo' and 'Ek-Hati-Rupa' of the school were televised at the T.V. Studio, Ahmedabad.

3. Result of Examinations

82.5% students passed S.S.C. Exam. held in March, 1982. Ashish Chokshi got 81% of marks and stood first in the school.

79% students passed Higher Secondary Examination science stream Urvi Raval secured 79% of marks and stood first in the School.

Mehul Acharya of XII Commerce stream was awarded a prize of Rs. 101/- for securing 88% marks in Business Administration.

Alkesh Amin of Std. XII Science stream was awarded the Late V. M. Bhatt prize for securing 81% marks in Gujarati.

Results of Gujarat Gyanvardhak Examination :

First	100%
Second	96%
Third	95%

32nd Shishtavachan Examination 73%

THIRD NO. 1

English Examinations :

Primary	First grade	} 100%
	Second grade	
	Third grade	

4. Awards and Prizes

1. Awards in Fine Arts :

- (i) Ankit V. Shah of Std. V won a Silver Medal in the International Child Art Competition organised by Korean Children Centre.
- (ii) Pratik V. Desai and Apurya B. Vaidya of Std. XII Science obtained Second and Third prize respectively in the late Poet Nanalal Literary research competition, Baroda Centre.
- (iii) Prachi Vaidya of Std. VI got a prize for best acting in ' Ek-Hati-Sona ' from Gujarat Rajya Sangit Nritya Natak Academy.
- (iv) Pinku Patel of Std. VII won the first prize for his acting in Drama ' Ek-Hati-Sona. '

2. Awards in Sports :

Satyajit Patil (Std. IX) won the following prizes in the games competition organised in the Gujarat Krida Mahotsava :

First Prize	Long Jump
First Prize	High Jump
First Prize	Hundred metres running
Second Prize	Two hundred metres running.

He received five silver medals and championship shield.

3. Awards in Debate :

Chi. Smita R. Jani of Std. XII Science won first prize in the Elocution Competition organised by Sardarnagar Lions Club. The subject was the problems of young generation of to-day and their solution.

Students won the First prize in GIANTS Club School Competition. Students have also won some individual prizes mentioned below :

Drama		
Individual prizes	Prize	No. of Prizes
Chi. Prachi Vaidya	Ist	2
Pinku Patel	IInd	1
Chi. Viral Patel	IIIrd	2

The school has also bagged the First prize in All Gujarat Inter School Drama Competition for its presentation " Alkhavo ".

Miss Nildhara Desai was awarded first prize as best director by Government of Gujarat.

5. Visitors

Name	Subject of the Talk
(1) Rev. Father Subelia	Moral Education
(2) Shri Vikas Mehta	The Art of Acting and Mime
(3) Mr. Michael Henley an educationist of U.K	Primary Education
(4) Prof. Raman Pathak (Vachaspati)	Poet Narmad.

CHAPTER X

1. Courses of Studies

During the year 1982-83, Faculty has introduced M.Com. (Specialization) courses in Accountancy, Management, Banking, Business Economics and Co-operation of two years' duration.

2. Published Articles/Papers

<i>Name/s</i>	<i>Title</i>	<i>Name of the Journal wherein published with date of the publication</i>
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Dept. of Business Economics

- | | | |
|-----------------|---|-------------------------|
| 1. Pathak D. S. | "International Monetary Reforms Dollars, Gold and substitution Accounts | Ranchi Univ. J. May 82. |
|-----------------|---|-------------------------|

Dept. of Commerce including Business Administration

- | | | |
|----------------|--|---|
| 2. Beri, G. C. | "Some Major Areas in productivity research | CAPITAL, Calcutta, Mid-year special issue (1982). |
|----------------|--|---|

Dept. of Co-operation

- | | | |
|------------------|--------------------------|---|
| 3. Rathod, C. S. | "Urban Banks in Gujarat" | The Financial Express Bombay 19-1-1983. |
|------------------|--------------------------|---|

3. Published Books and Monographs

<i>Name of the Author/s</i>	<i>Title of the Book</i>	<i>Name of the Publisher and year of publication</i>
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- | | | |
|-------------------|--|--|
| 1. Pathak, D. S. | The Principles of Economics (An introduction) | Good Companions 1982. |
| 2. Srikantiah, S. | "Planning for Kangra District in Himachal Pradesh" | IDBI and Himachal consultancy Organisation (a subsidiary of the Industrial Finance Corporation of India) July, 1982. |

4. Papers presented at Professional Level Seminars, Conferences, etc.

Name of the Teacher	Theme, Organiser's name, place and Date/s of the Conference/Seminar	Title of the paper
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Department of Accounts

- | | | |
|-----------------|--|--|
| 1. Patel, A. G. | All India Seminar on "Accountancy in Commerce Education at Baroda under the auspices of the Institute of Chartered Accountants of India and M. S. University of Baroda held on 28th and 29th August, 1982. | Objective of Orientation course for Accountants. |
|-----------------|--|--|

Department of Banking

- | | | |
|------------------|--|--|
| 2. Sharma, M. D. | (i) 'Monetary Policy in India' Poddar Institute of Management Jaipur, 30-9-1982. | Seminar chairman, also presented paper on Recent Trends in Monetary and Banking Policy in India. |
| | (ii) Symposium on 'Social Responsibility of Banks, Department of Business Administration, University of Rajasthan, Jaipur, October 12, 1982. | Social Responsibility of Banks—An International perspective. |

Department of Commerce including Business Administration

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|----------------|---|----------------------------------|
| 3. Vyas, I. P. | U.G.C. Seminar for Gujarat University Teachers of Commerce and Management held at Navjeevan College Arts and Commerce, Dahod. | Issues in Teaching of Management |
|----------------|---|----------------------------------|

Department of Co-operation

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|------------------|---|------------------|
| 4. Rathod, C. S. | Seminar-cum-workshop on Co-op. Edu., Anand Arts College, Anand Aug. 29, 1982. | Co-op. Education |
|------------------|---|------------------|

5. Talks of academic nature given at different Universities/Professional Institutions

Name of the Teacher	University/Institution	Title of the Lecture
1	2	3
1. Sharma, M. D.	(i) Sir Pochkhanamal Bankers Trg. College, Bombay, April, 9, 1982	Bank Lending to Priority Sector in India.

1	2	3
	(ii) Rural Development Institute Dahanu, April, 20, 1982	Banking for Rural Department in India.
	(iii) Sir Pochkhanwala Banks Trg. College, Bombay, May 3 and 4, 1982	Project Appraisal for S.S.I. Advances.
	(iv) Sir Pochkhanwala Banks Trg. College, Bombay, May-3 and 4, 1982	D.R.I. Advances — an evaluation
	(v) Deptt. of Bus. and Industrial Management, South Gujarat University, Surat, February, 18, 1983	"Bank profitability models".
2. Joshi, Kiran M.	Indian Institute of Bankers, Baroda Centre	"Lectures on Monetary Policy".

Department of Business Economics

- | | | |
|-------------------|--|--|
| 3. Srikantiah, S. | B.J.V.M. Vallabh Vidyanagar and Anand Commerce College | Recent Trends and their impact on Business. |
| 4. Shah, K. R. | (i) Sardar Patel Institute of Economic and Social Research, Ahmedabad | (1) Expansion of Educational Facilities—An Economic Analysis |
| | (ii) Talks given before the participants of the District and Block level planning 31st January—19th Feb., 1983 | (2) Adult Education Programme—Problems & Perspective. |
| 5. Pathak, D. S. | (i) Devgadbaria College | (i) Talk on - Monetary control in India |
| | (ii) Sankheda College | (ii) Talk on - Inflation in India. |

Department of Commerce including Business Administration

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|----------------|---|--|
| 6. Beri, G. C. | (i) B. K. School of Management, Ahmedabad | (i) Measurement and Analysis of Industrial productivity. |
| | (ii) I.C.W.A. Baroda Chapter | (ii) The Role of Cost Accountancy. |

1	2	3
	(iii) S.B.I. Staff Training Centre, Baroda	(iii) Efficiency in Banks.
7. Vyas, I. P.	Baroda Management Association	"Supervision for Excellence".
8. Bhatt, A. S.	U.G.C. Seminar for Gujarat University Teachers at Navjeevan Arts and Commerce College, Dahod	"Teaching of Marketing Management—Case Method".

Department of Co-operation

9. Rathod, C. S.	Under the COHSIP of the Anand Arts College, Anand.	Glimpses of Co-operative movement.
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6. Participation in Professional Programme, Work-shops, Summer Schools etc.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
1	2	3

Department of Banking

1. Elavia, B. H.	Ahmedabad Expert Group for revising syllabus of the Government, Diploma in Co-operation and Accountancy, Final Report February, 1983	Member, Expert Group appointed by the Gujarat State Government.
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Department of Business Economics

2. Shah, K. R.	To finalise the outline of Case-study under the project "Educational Reforms in India-1921-1980" Indian Institute of Education, Pune, 26-28 Aug., 1982	Project Director of the Case-study assigned by the I.I.E., Pune.
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Department of Commerce including Business Administration

3. Vyas, I. P.	(i) "Team Building" training of Executive Development Project Managers of Western India at BHEL, Baroda Oct., 6-8-1982	Programme Designer also Faculty Member.
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1	2	3
	(ii) Supervisor of Development programme, BHEL, Baroda, Dec. 2, 1982	Faculty Member.
4. Bhatt, A. S.	(i) O.D. programme in "Team Building" for project Managers, Bharat Heavy Electricals Ltd., Baroda October, 6-8 1982	Faculty and Programme Designer.
	(ii) Supervisory Training Programme IPCL on Leadership Development, Baroda, 6th June, 1982	Faculty Member.
	(iii) Training programme for Supervisory Development at BHEL, on 2nd December, 1982	Faculty and Programme Designer.

7. National and International Awards and Distinctions

Name of the Recipient
Teacher/Non-Teacher/Student
Beri, G. C.

Description of the Award

Nominated as a member of the U.G.C. on the Panel for Commerce.

8. Any activity of academic/social significance organised in or by the Faculty not included under previous items.

Mr. Govind Patel and Mr. Naresh Patel, at organised special classes for assisting F.Y. B.Com. weaker students for two months in the Department of Commerce and Business Administration.

graduate Obstetrics gynaecology, London India Publication,

of the M. S. University of Baroda, XXIV, Science and Technology and Medicine, No. 3, Page 193-194, December, 1982.

CHAPTER XI

1. Published Articles/Papers

<i>Sr. No.</i>	<i>Name and Department</i>	<i>Title</i>	<i>Name of the Journal wherein published with date of publication</i>
1	2	3	4
1.	Mistry, K. P., Parikh, S. C. and Dave, R. T. Bio-chemistry	Plasma electrolyte and enzymes in country liquor poisoning.	Indian Journal of Physiology and Pharmacology, Vol. 26, 307-310, 1982.
2.	Mehta, N. C. and Khorana, A. B. Psychiatry	A Study of Anxiolytic property of CIBA Go 3315, A New Butyro Phenone.	Journal of Association of Physicians of India, 30-7, 433-436, 1982.
3.	Khorana, A. B. Psychiatry	Curriculum Planning for Social and Behavioural Sciences in Medical Education Achievements at Medical College, Baroda.	Indian Journal of Medical Education, 22, 1, 46-49, 1983.
4.	Bhatt, R. V. Obstetrics and Gynaecology	Antepatrum Haemorrhage	Post-graduate Obstetrics and Gynaecology, Lonman's India Publication, 1982.
5.	Trivedi, D. H., Shah, D. N. and Joshi, G. D. Preventive and Social Medicine	An Episode of Xerpthalmia in a Small Village of Baroda District.	Journal of the M. S. University of Baroda, Vol. XXIV, Science Technology and Medicine No. 3, Page 193-152, December, 1982.

Depart.
 Busines.

3. Vyas, I. F

Sr. No.	Name and Department	Title	Name of the Journal wherein published with date of publication
1	2	3	4
6.	Shah, D. N.	Felt Need Impact and Evaluation of Integrated Child Development Services Programme in a Tribal Block.	Annals of National Academy of Medical Science (India) Volume 19, I, January, March, 1983.
7.	Udwadia, R. B., Desai, Jyoti and Patra, S. B., E.N.T.	Embryonal Rhabdomyo Sarcoma of Middle ear and Mastoid region.	Indian Journal Cytology, Vol. 34, No. 4, December, 1982.
8.	Udwadia, R. B., Rathod, V., Prabhune, P. V. and Joshi, C. J.	Econazole. A study of its role in otomycosis.	Current therapeutic Research, Vol. 31, No. 6, June, 1982.
9.	Pandya, K. D., Desai, C. A. and Chandwani, S. Physiology	Study of some Imonary function Tests during normal pregnancy.	Anu. Natl. Acad Medicine (India), 18, 3, July, September, 1982, 89.104.
10.	Patra, S. B., Jhala C. I. and Patra B. S. Pathology	Amyloidosis in Pulmonary tuberculosis. A Study of 200 cases.	Indian Journal Chest. Dist. Pp. 251-258, October, December, 1982.
11.	Giri, D. D., Patra, S. B. and Patel, R. Z.	HbE Heta thalassemia-a case report.	Ind. Paediatrics 19: 1031-1934, 1982.
12.	Udwadia, R. B., Desai, J. R. and Patra, S. B. Pathology	Embryonal Rhabdomyosarcoma of ear.	Journal of Otolaryngology, 23: 75-77, 1982.
13.	Giri, D. D. and Patra, S. B.	Double heterozygous haemoglobinopathy importance of parent study.	20: 479-482, 1983.
14.	Patra, S. B. and Giri, D. D.	Haemoglobin Barts in tribals of Western India.	Indian Journal Hae- Vol. 1, 46-49, 1983.
15.	Shah, J. C., Trivedi, P. M. and Oza, R. M.	Thyroid Tumour clinicopathological study and management.	Indian Journal of Surgery, Vol. 45, No. 2, Page 89-98, February 1983.
16.	Hinam, R., Panjarat and Prabhune, P. V. Microbiology	Hepatitis B surface antigen in syphilitic patients A Preliminary report.	Association of Communicable diseases, 1982 5, 44-46.
17.	Prabhune, P. V.	Econazole in management of otomycosis.	Antiseptic August, 1982.
18.	Kaul, P., R. R. and Lakhani J. D. Medicine	Myaeshenia Gravis previnted as paransoplastic synarane in Patient of Penile caranama.	Neorology India, September, 1982.
19.	Pathak, K. J., Lakhani, J. B., Modi, Kiran and Patel, P. H.	Familite X linked dominant Hypohosphatenic Rickets.	Journal of API, June, 1982.
20.	Patel, Kanta and Patel, H. R.	Profile of Acute Renal failure in a general Hospital	JIMA, January, 1983.
21.	Mehta, N. C.	Profile of Acute renal failure in a General Hospital.	Journal of Indian Medical Association, January, 1983.
22.	Petrolwala, M., Patel, H. R., Mehta, N. C., Pande, R. S. and Shah, C. P.	Diagnostic significance of Selectivity of Proteinuria in patients with renal Dropsy.	A paper presented and read at International conference on Kidney diseases and hypertension held at Ahmedabad on 17-19 January, 1983.
13.			
14.	Udwadi	presented at Professional level Seminars, Conferences etc.	
15.	Tiwari, Shukla,	Teacher	Theme, Organisers Name, Place and Dates of the Conference/Seminar
16.	Tiwari, Jhaveri, V. B., Vithalani and Parmar, Anand		Title of the Paper
17.	Hathi, G. K., Desai, C. A., Chandwani, S., Mazumdar, B. N. and T. V. Joshi		
18.	Mehta, J. P., Desai, C. A., Chandwani, S. and Hathi, G. K.		
19.			

37th National Conference on T.B. and Chest diseases held at New Delhi during October, 1982.
 Annual Conference of Association of Physiologists and Pharmacologists of India, December, 27-29, 1982, Baroda.
 Rifampicin its bio-chemical and micro-biological bio-availability in the patient of pulmonary tuberculosis.
 Evidence for prosynaptic muscarinic receptors in anocooygeus muscle of rat.

1. 2. and
6. Shah, D. J. D. and Dani, S. C. APPI Conference, Medical College, Baroda, December, 27-29, 1982, Baroda.
All Gujarat Annual Meeting Indian Pharmacological Society, 11th July, 1982, Ahmedabad.
7. Udwadia, Desai, Jy.G. Shetty, S. A., Patra, S. O. D. and UjmaVathi, K. G. Gulati, S. D., Panchal, B. C. and Hemavathi, K. G. XV Annual Conference Indian Pharmacological Society, 22-24 November, 1982, Chandigarh.
XXVIII Annual Conference of Physiologists and Pharmacologists of India. December 27-29, 1982, Baroda.
7. Gulati, O. D., Chauhan, P. A. and Hemavathi, K. G. First all Gujarat Annual meeting Indian Pharmacological Society, 11th July, 1982, L. M. College of Pharmacy, Ahmedabad.
(i) Annual Conference of Indian Psychiatric Society held at Nair Hospital, Bombay, January 6-8, 1983.
(ii) —do—
(iii) Held at Medical College, Baroda, 27-28 December, 1982.
8. Khorana, S. Annual Conference of Indian Psychiatric Society held at Nair Hospital, Bombay, January, 6-8, 1983.
(i) Workshop on chemical female sterilisation—organised by PARFR (Program for Applied Research in Fertility Regulation) Chicago, June, 1982.
9. Bhatt, R. V. "E C G Changes following multiple E C Ts".
Psychophysiology of pain, presented at the XXVIII Annual Conference of Physiologists and Pharmacologists of India.
"Psychosocial Factors in Ischaemic Heart Disease".
Our experience with use of quinacrine for female sterilisation.
11. Shah, S. R. and Pandya, N. C. (ii) Xth International Congress of Obst. Gyn. Organized by Federation of International Gyn. and Obst. at San Francisco, October, 1982.
(i) All Gujarat Obst. and Gyn. Conference at Ahmedabad, 1983.
(ii) All India Obst. and Gynec. Conference Pune, 1983.
12. Shah, D. N. (i) Task Force for surveillance of Endemic Goitre, I.C.M.R., New Delhi, 1-8-1982.
(ii) W.H.O., I.C. M.R., and N.I.O.D. sponsored ORAL Rehydration Seminar at Gandhinagar, P.H.C. Gujarat on 7th and 8th August, 1982. As W.H.O. fellow.
Gujarat State Br. of Association of Otolaryngolyc of India Surat, November 30th, 1982.
Gujarat State Br. of Association of Otolaryngolyc of India Surat, November 30th, 1982.
Gujarat State Br. of Association of Otolaryngolyc of India Surat, November 30th, 1982.
Gujarat State Br. of Association of Otolaryngolyc of India Surat, November 30th, 1982.
Gujarat State Br. of Association of Otolaryngolyc of India Surat, November 30th, 1982.
XXVIII Annual APPI Conference, Baroda, December, 1982.
13. Udwadia, R. B.
14. Udwadia, R. B. Management of upper Reep. Airway Perilymph Fistula.
Amyloidosis of benyxy.
15. Tiwari, R. S. and Shukla, Nayantika
16. Tiwari, R. S. and Jhaveri, Vijay
17. Vithalani and Parmar, Anand
18. Hathi, G. K., Desai, C. A., Chandwani, S., Mazumdar, B. N. and T. V. Joshi
19. Mehta, J. P., Desai, C. A., Chandwani, S. and Hathi, G. K. Laparoscopic female sterilization in camp set up.
Obstetrics outcome when baby is sitting inside the uterus.
Eclampsia-viewed from different angle. Obetic evaluation of mechanical bartogram.
Review of Endemic Goitre Control Programme in Gujarat.
"Surveillance of Diarrhiel Diseases."
Septorhinoplesty in Children.
Necplesum of Headed neck in Children.
Evaluation of standard of physical figures in under-graduate Medical Studies.
Hematological disturbance in wound infection.

3. Papers 1
Nair

20. Das, T. D. K. and Jane, H. K. Proc. Indian Science Congress January, 1983, Tirupati. Total respiratory compliances in pregnancy.
21. Pandya, K. D., Dadlani, A. G. and Mistry K. P. Proceeding of the 70th session of the Indian Science Congress, January, Tirupati. Effect of naturecure treatment in the diabetes mellitus. I. Study of GTT, Serum lipids and electrolytes.
22. Dadlani, A. G. Pandya, K. D., Mistry, K. P. and Desai, C. A. Proceedings of the 70th session of the Indian Science Congress, January, 1983, Tirupati. Effect of naturecure treatment in the diabetes mellitus. II. Study of some physiological aspects.
23. Pandya, K. D., Desai, C. A., Chandwani, S. and Dadlani, A. G. (i) APPI Conference, December, 1982, Baroda. Ventilatory flow rate during normal pregnancy.
24. Jani, M. B., Brahmabhatt, S. R., Desai, C. A., and Brahmabhatt, R. M. APPI Conference, December, 1982, Baroda. Serum electrolytes during various phases of menstrual cycle. Effect of Artical oclusion on the amount of work done and fatigue phenomenon.
25. Brahmabhatt, S. R., Brahmabhatt, R. M., Jani, M. B., Kikani, B. J. and Vaidya, P. M. APPI Conference, December, 1982, Baroda. Serum lipid levels in normal healthy subjects.
26. Kaul, P., Lakhani, J. D., Parekh, B. M. and Palam, B. M. XXVIII Annual APPI Conference, Baroda, December, 1982. Serum Magnesium in health and diseases.
27. Rajgopal, T., Trivedi, D. R. and Juvekar, R. XXVIII Annual APPI Conference, Baroda, December, 1982. Effect of vitamins B1 and B6 on the hearing acuity in Patients with Diabetes Mellitu.
28. Nagpaul, P. S. (i) Annual Conference of Indian Orthopaedic Association Varanasi, October, 1982. Short course Caemotherapy in Skeletal Tuberculosis.
(ii) Annual Conference of Association of Surgeons of India, Bombay, December, 1982. Low Cost Suction Irrigation for Infections of Bones and Joints.
29. Golwala, P. P. and Lavingia, N. P. Western India Orthopaedics Conference, December, 1982, Ahmedabad. Prem Repory on Laminectomy in Fracture.
30. Lavingia, N. P. Western India Orthopaedics Conference, December, 1982, Ahmedabad. Balancing of Operative Management of Fractures Patella.
31. Nanda, V., Oza, R. M., Inglee, R. R. and Mukherjee, R. A. G. All India Conference 31st Annual Conference of Pathologists and Microbiologists at N. H. Municipal College, Ahmedabad, dated 5th, 6th, 7th December, 1982. I Antitrypsin deficiency in chronic liver disease.
32. Patra, S. B. and Giri, D. D. All India Association of Pathologists and Microbiologists, held at Ahmedabad, 1982. 1. Haemoglobinopathies in childhood.
2. A study of thalassemia in tribals of Western India.
3. Giant Choriocarcinoma of lung.
33. Brahmabhatt, R. M., Brahmabhatt, S. R., Kikani, B. J. and Vaidya, P. M. A Study of Serum lipids in patient of acute myocanded infection and their cor.
34. Desai, M. T., Kikani, B. J. and Vaidya, P. M. Clinioradiological study of ceryical repondylotic myelopathy.
35. Pande, R. S., Lakhani, J. D. (i) Bronchchoscopy aspiration level repirat tract infection.
(ii) Cardio pulmonary anesment before and after mibal valvotomy.
(i) Magnesium in health and disease.
(ii) Magnesium and calcium in psychiatric conditions.
36. Lakhani, J. D. and Kaul 28th APPI Conference held at Baroda, December, 1982. Serum lipids in normal healthy subjects.
37. Brahmabhatt, R. M., Brahmabhatt, S. R., Kikani, B. J. and Vaidya, P. M. 28th APPI Conference held at Baroda, December, 1982. Serum lipids in normal healthy subjects.

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38. Brahmabhatt, R. M.,
Brahmabhatt, S. R. and
Jani
28th APPI Conference held at Baroda December, 1982. Effect of artenal occulsion on the amount of work done and fatigue phenomenon.
Renal involvement in leprosy.
39. Pande, R. S. and
Chopra, N. K.
International Conference on Hypertension and kidney, January, 1983, Ahmedabad. Dignestic significance of Selecting Vity of protenmuna in Renal prosy.
40. Pande, R. S. and
Petroiwala, M. J.
International Conference on Hypertension and kidney, January, 1983, Ahmedabad. Bacteriological and Mycological aspects of discharges in post mastectomy patients.
41. Parikh, A. G. and
Prabhune, P. V.
Indian Association of Pathologists and Microbiologists. Gujarat State Unit at Ahmedabad, December, 1982. Intestinal Parasitic infestation in inmates of Central Prison, Baroda.
42. Nigam, A. S. and
Prabhune, P. V.
Indian Association of Pathologists and Microbiologists. Gujarat State Unit at Ahmedabad, December, 1982. A study of 427 cases of otomycosis.
43. Joshi, C. J. and
Prabhune, P. V.
Indian Association of Pathologists and Microbiologists. Gujarat State Unit at Ahmedabad, December, 1982.

3. Talks of academic nature given at different Universities/Professional Institutions

Sr.No.	Name of the Teacher	University/Institution	Title of the Lecture
1		3	4
1.	Gulati, O. D.	Ahmedabad Branch of Indian Pharmacological Society (July, 1982).	Key note at the Symposium on " Current Research Trends in Allergy and Immunology "
2.	Bhatt, R. V.	Surat Obst. Gyn. Society Surat, June, 1982.	High Rick Pregnancy.
3.	Amin, U. C. and Zinzuwadia, P. J.	Indian Society of Anaesthetist was held at Anand (Charotar Arogya Mandal Karamsad).	Relief of Postoperative pain with intrauceal machine.
4.	Patel, H. R.	Association of Physicians at Baroda, 21-10-1982.	A tiplactics agents.
5.	Lakhani, J. D.	Indian Medical Association Baroda Branch, 8-2-1983.	Acute Respiratory Intehus.
6.	Pande, R. S.	38th Annual Conference of API—Cuttaek.	Update session Invduant of respiratory system in various metabolic disorders including obesity.
7.	Kalra, V. B.	Gujarat Radiological Association meeting was held 1982-83.	Radiology Department S.S.G. Hospital Baroda.

4. Participation in Professional Programme, Workshops, Summer Schools etc.

Sr.No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1		3	4
1.	Shah, N. C.	Third National Workshop on Quality Control in Clinical Chemistry. Sponsored jointly by Director General of Health Services of India and World Health Organization at Post-graduate Institute of Medical Education and Research—Chandigarh 26th February, 1983.	As a Representative member of the Regional Laboratory at Baroda for the National Quality Control Project in Clinical Chemistry.
2.	Hemavathi, K. G.	XIII National Course on Educational Science for Teachers of Health Professionals at JIMPER: Pondicherry from 2nd to 11th March, 1983.	Associate Professor of Pharmacology Medical College, Baroda.
3.	Bhatt, R. V.	Workshop on Micro Tubal Surgery—John Hopkins University, Baltimore, November, 1982.	Representative of Government of India.
4.	Shah, D. N.	I.C.D.S. Annual Convention New Delhi 10-11-1982.	Consultant, I.C.D.S., Chhota Udepur Tribal Block, Gujarat.
5.	Desai, C. A.	(i) XIII National Course on Educational Science X for Teacher of Health—Professionals JIPMER Pondicherry from 2nd to 11th March, 1983. (ii) Preparing glossaries of common medical terms and phrases used in Indian Languages alongwith their Hindi equivalents at Baroda 19th and 20th April, 1983.	Member.

1	2	3	4
6. Ghoda, J. B.	III National Workshop on Nosocomial infections with special reference to Staphylococcus aureus, Maulana Azad Medical College New Delhi from 2nd November to 6th November, 1982.		Participant.
7. Laktad, V. J.	ICMR/MAMC National Workshop on Microbiological procedures in studies on antibiotic resistance in Bacteria at Microbiology Department, Maulana Azad Medical College, New Delhi from 14-3-1983 to 19-3-1983.		Participant.
8. Khorana, A. B.	W.H.O. and ICMR at Trivandrum on 20 December, 1982 at ICMR expenses.		Participated in a "Workshop on Service and Psychosocial Research in Family Planning."

5. National and International Awards and Distinctions :

Name of the Teacher/Non-teacher/Student	Description of Awards
1. Dr. Gulati, O. D.	Dr. B. N. Ghosh Memorial Oration on behalf of Indian Pharmacological Society at Chandigarh—November, 1982.
2. Dr. Khorana, A. B.	(i) WHO's who in Commonwealth. (ii) International Register of Profiles. (iii) Men of Achievement. (iv) Dictionary of International Biography.
3. Dr. Bhatt, R. V.	(i) Fellowship of Academy of Medical Sciences, New Delhi. (ii) Hariom Prerit Alembic Research Award for outstanding work in Obst. Gyn.
4. Dr. Shah, D. N.	Dr. Mishra Memorial Award for Best Unpublished papers 'Felt Need Impact and Evaluation of I.C.D.S. in Tribal Block 1982 N.A.M.S. New Delhi.
5. Sheth, K. J.	Department is attached to world Eye Foundation (USA) for Govt. help from this institution for research materials.

6. Any activity of academic significance teaching/Research :

- Shah Harish K. "Prevalence of Aspergillosis in Chronic bronchopulmonary diseases."
- Navati, K. M. "Study of Gram Negative lactose fermenting bacilli."
- Pathe, Anant P. "Incidence of Urinary tract infection in males attending clinic for sexually transmitted diseases."
- Shah, Kalpana H. "Pyogenic Meningitis in paediatric population."
- Rawal, D. U. "Bacteriology of Urinary tract infection."
- Patel, Ramesh B. "Study of Epidemiology of Rabies."
- Patel, Saroj N. "Mycotic flora of respiratory tract infections."
- Patel, Jyoti P. "Widal test Diagnostic importance."
- Khale, Akhilesh S. "Prevalence of Nocardia in soil of different parts of Baroda."

CHAPTER XI (B)

1. Function of the Unit :

The unit has been set-up for research in Ayurveda. It has a library, a museum of Indian medicinal herbs and minerals, a Rash-Shala and an Out-patient Department. Beds for Ayurvedic Clinical Research are made available by a modern physician attached to the Unit.

2. Museum :

Fifty groups of available medicinal herbs, each group consisting of 10 drugs according to the Pharmacological Classification of Charak, are arranged and maintained. A Section on Ayurvedic Medicinal preparations is also provided. Work concluded in the Unit is exhibited separately. There are about 1,000 Ayurvedic specimen, 54 herbarium 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 herbarium and are classified. A relief map of India showing the distribution of important medicinal plants of India is exhibited in the museum.

3. Work done in the Unit :

(1) *Rash-Shala* :

Powder of the internal bark of *Azadirachta indica* is prepared in the Rash-Shala.

(2) *Research Work* :

(A) Clinical Trials.

(B) Pharmacological Experimental Work.

(A) Clinical trial of *Azadirachta indica* was administered to patients in capsules for internal use. Oil from the seeds of *Azadirachta indica* was used for external application. 87 patients in all received the treatment. The results were very encouraging.

(B) Anti gastric ulcer activity of Tamra-Bamra-Bhasma (TABH) in rats :

Tamra-bhasma obtained from Gujarat Ayurveda Vikas Mandal, Junagadh was shown in the laboratory to exert anti-gastric ulcer activity (both curative and prophylactic) against gastric ulcer induced

by dexamethasone in female albino rats. Tamra-bhasma was also compared with existing drugs which are used in gastric ulcer. The work is in progress.

4. General Ayurvedic O.P.D. :

During the year 28,416 old cases and 1,421 new cases were registered in the O.P.D. of the Unit. The total number of patients for the year was 29,837.

5. Professional Growth of the Staff :

Shri Pandya, D. C. Ayurvedic College, Jamnagar, 'Anti-spasmodic activity of Ficus Glomerata' 29-30 June and 1 July 1982

1. Courses of Studies

4 Year degree course in Computer Science and Technology leading to the degree of B.Tech. (Computer) has been introduced from June, 1982.

2. Published Articles/Papers

<i>Sr. No.</i>	<i>Name</i>	<i>Title</i>	<i>Name of the Journal wherein published with month of publication</i>
1	2	3	4

Applied Mechanics Department

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|----|----------------------------------|--|---|
| 1. | Parikh, P. and Gandhi, M. C | Analysis of concrete cutoff wall by finite element method. | J. of MSUB, Vol. XXIX, Science Technology and Medicine, 1980, published in January, 1983. |
| 2. | Parikh, P. and Shroff, A. V. | (i) Cyclic consolidation behaviour of Kaolinitic clay.

(ii) Consolidation characteristics of Malia Marine Clay. | J. of MSUB, Vol. XXIX, No. 3, Science Technology and Medicine, 1980, published in January, 1983.

Institution of Engineers (India) February, 1983, Annual Day Souvenir. |
| 3. | Patodi, S. C. and Bhavsar, M. C. | Discrete energy large deflection analysis of annular plates. | Journal of MSU, Baroda Vol. XXIX, No. 3, 1980 published in January, 1983. |

Sr. No.	Name	Title	Name of the Journal wherein published with month of publication
1	2	3	4
Civil Engineering Department			
4.	Bhatt, R. D. and Patel, O. H.	A case study for evaluating road improvement proposals on consideration of benefits due to reduction in traffic accidents.	Bulletin published by Baroda Municipal Corporation on Traffic Problems Oct., 1982.
5.	Parmar, N. B. and Bhatt, R. D.	Rheological response of mastic asphalt under creep and creep recovery.	J. of MSUB Vol. XXIX (1980) Science, Technology and Medicine No. 3, Dec., 1982.
Electrical Engineering Department			
6.	Desai, R. C.	Review of the book 'Modern power System' by Nagrath and Kothari	IEEEQ Transaction on System, Men and Cybernetics, 1982.
Mechanical Engineering Department			
7.	Mehta, S. K. and Bhatt, G. D.	Synthesis of plane mechanisms	The Institute of Engineers (India) Gujarat Centre, 23rd Annual Convention, 1983.
Chemical Engineering Department			
8.	Subrahmanyam, N.	(i) Precalculator technology	Chem. Age of India Vol. 33, No. 7 July (1982) Tech. 6/1. (1982).
9.	Pandya, S. B.	(ii) 'Mini cement, plants an appraisal'. New approach to the Theory of thermal radiation from gases	—do— MCP 2/1. J. of MSUB, Vol. XXIX, No. 3, 129-141.
Textile Chemistry Department			
10.	Karmarkar, S. R.	Low Temperature fixation of pigment dyeing.	The Textile Industry and Trade Journal, Jan., 1983.
Architecture Department			
11.	Parmar, V. S.	Traditional wood in secular architecture	Marg, Bombay, Vol. XXXIV, No. 4.
12.	Amin, V. B.	"Conception of architectural design.	I.I.A. Newsletter Bombay, December, 1982.
Pharmacy Department			
13.	Agrawal, Y. K., Desai, S. J., Patel, M. P. and Merh, S. S.	Spectrophotometric determination of Molybdenum in rocks	Scien. Cult. 48, 95 (1982).
14.	Raj, K. P. S. and Agrawal, Y. K.	Metal contents of the fruits of <i>Dispyros montana</i> Rox B.	J. Inst. Chemists (India) 54, 109, (1982).
15.	Agrawal, Y. K. and Mehd, G. D.	Thermal analysis of N-O-Chloro- and N-m-Chloro-phenylhydroxamic acids	Thermochemica Acta, 55, 113 (1982).
16.	Khanna, S. M. and Agrawal, Y. K. and Banerjee, S. K.	Benzocaine determination in pharmaceutical preparations	Anal. Letters, 15, 1973 (1982).
17.	Agrawal, Y. K. Dyal, U. and Singhal, K. C.	Spectrophotometric determination of Vanadium in fuel oil	Research and Industry, 27, 255 (1982).
18.	Agrawal, Y. K. and Roshania, R. D.	Thermodynamic metalligana stability constants of alkali Earth Metals with pchlorophenyl benzohydroxamicacid	Z. Phys. Chem. (Leipzig) 263, 822 (1982).
19.	Narayan, V. and Rao, K. K.	(i) Production of ergot alkaloids by <i>A. fumigatus</i> (ii) Factors affecting the fermentation of Ergot Alkaloids by <i>A. Fumigatus</i>	European, J. Appl. Microbiol; Biotechnol (W. Germany), 14, 55, 1982. Biotechnology letters (U.K.), 4(3), 193, 1982.
Applied Physics Department			
20.	Joshi, R. V. and Nene, J. G.	Dimer centres in variously pretreated thallium doped sodium halides	A. for krist B 45, 1982.
21.	Reddy, Prasad B. S., Joshi, R. V., Prasad, H. H. NH ₄ CL : Tl.	Fluorescence spectra of lightly and heavily doped	z. Naturfur sch. 1283, 379, 1982.
22.	Joshi, T. R. Nehte, A. K., Joshi, R. V., Kathuria, S. P. and Joshi, T. R.	Betaradiation dosimetry using NaCl : Tl (T thermoluminescent phosphor)	Radiation Effects, 4040, 1982.
23.	Barghare, S. P., Joshi, R. V., Kathuria, S. P. and Joshi, T. R.	Intrinsic TL of NaCl : Tl in UV Dosimetry	Radiation Effects 4043, 1982.
24.	Joshi, R. V., Joshi, T. R., Kathuria, S. P. and Dhake, K. P.	Thermoluminescence of NaCl : Ca and its application in gamma dosimetry	Health Physics, Vol. 44-No.1, pages 29-33 1983.

1	2	3	4
Applied Chemistry Department			
25.	Vora, R. A. and Gupta, Renu	(i) Mesogenic exoheterocycles and their benzene analogues (ii) Effect of lateral substitution on mesomorphism	Mol. Cryst. Liq. Cryst. (London) 91 (1/2), 45, 1982. Mol., Cryst. Liq. Cryst. (London) 80, 119, (1982).
Applied Mathematics Department			
26.	Agrawal, S. R.	On term by term differentiations of Foutrier-Bessel series	J. of MSUB, XXIV, 45-48.
27.	Pathak, V. D.	(i) On closed ideals of $C^n 0, 1$ (ii) Linear isometries of space of absolutely continuous functions Isomorphisms of spaces of differentiable functions	J. of MSUB, XXIV, pp. 23-28. Canadian J of Maths. Vol. XXXIV, No. 2, pp. 298-306, 1982. Rev. Roum, Math. Pures Et Appl. Tom. XXVII, No. 7, pp. 737-747.
3. Published Books/Monographs			

<i>Name/s of Author/s</i>	<i>Title of Book/s</i>	<i>Name of Publisher and Year</i>
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Mechanical Engineering Department

1. Patel, R.C. and Shukla H.J. Heat and Mass Transfer, VI Edition.
2. Patel, R.C. and Patel, B.M. Applied Mechanics, Vol. I, I Edition

Pharmacy Department:

3. Agrawal, Y. K. Studies on hydroxamic acids
Freud Publishing House, London.

4. Papers presented at Professional level, Seminars, Conferences, etc.

<i>Name of the Teacher</i>	<i>Organiser's name, Place and date of the conference</i>	<i>Title of the paper</i>	
1	2	3	4
Applied Mechanics Department			
1.	Damle, S. K.	National Conference on ultimate load design in steel and concrete, Jodhpur, July, 1982	Ultimate strength of reinforced concrete deep beams in shear.
2.	Shroff, A. V.	Indian Geotechnical Society, 20th to 23rd Dec. 1982, conference construction practices and instrumentation in geotechnical Engineering held at Surat.	Development of Polyurethane grout and its geotechnical applications.
Civil Engineering Department			
3.	Patel, O. H. and Prajapati, J. J.	National Symposium on " Planning and Design of Water Resource Systems ", Patna, Feb. 10-12, 1983	Renovation of Small irrigation channels for efficient water use.
4.	Modi, P. M.	Water Management Synthesis project, Colorado State University, Fort Collins, U.S.A., Jan. 1983	Role of water management engineer in irrigated agriculture in Gujarat State India.
5.	Sutaria, P. N., Parthasarathy, G. S., Bhatt, N. M. and Vyas, P. D.	(i) National Seminar on " Operation and Maintenance of Water Supply and waste Water systems " held at Bangalore, Feb. 25-27, 1983 (ii) National Seminar on "Operation and Maintenance of Water Supply and waste Water systems" held at Bangalore, Feb., 25-27, 1983	Manpower development for water and sanitary programme. Preventive maintenance for Water utility Systems.
6.	Shete, D. T.	(i) National Symposium on "Planning and design of water Resource Systems" held at Patna, Feb., 10-12, 1983 (ii) National Symposium on "Planning and design of water Resource Systems" held at Patna, Feb., 10-12, 1983	Realizable optimization of water Resource systems development with the help of technology assessment and Gaming Simulation. Optimization of Water resource systems by taking into account risk and uncertainty.

Electrical Engineering Department

7. Shah, S. G. Computer Society of India Annual Convention—Ahmedabad, Jan., 1983
Character Oriented graphics-Higher level language.
Conference on Computer in Education March, 1983
Computer Graphics in Educational Applications.

Chemical Engineering Department

8. Puranik, S. A. and Oza, K. T. 35th Annual Session of Inst. of Chem. Engg., Walther, Jan., 1983
“General correlations for predicting quaternary equilibrium data”.

Pharmacy Department

9. Agrawal, Y. K. 22nd Nov. 1982 Marathawada Univ. Aurangabad, National Symposium on mixed Chelates
Mixed ligand complexes of hydroxamic acid and 2, 2 bipyridyl.
10. Rao, K. K. 51st Annual Meeting of the Society of Biological Chemists of India, Chandigarh, November, 1982
Effect of polymixin B on the infective process of *P. aeruginosa* PAO, bacteriophage.

Applied Physics Department

11. Pandya, J. R. Interchapter meeting of India Physics Association and Gujarat Science Academy Feb., 1983, Ahmedabad
Submission of Joint report to Education Director Gujarat State, Ahmedabad.
12. Agarwal, Padmini R.K.L. Ninth International liquid crystal conference, Bangalore, Dec., 6-10-1982
Study of Ultrasonic absorption in cholesterol stearate near phase transition.
13. Joshi, T. R. (i) XIV National Seminar on Crystallography, I.I.T. Kharagpur, Dec. 1982.
Thermoluminescence emission spectra of Barium doped Sodium Chloride.
(ii) Inter Chapter Meeting of Indian Physics Association Gujarat Science Academy Feb. 1983
Thermoluminescence glow curves and emission spectra of NaCl : ca.

14. Dhake, K. P.

- (i) XIV National Seminar on crystallography, I.I.T. Kharagpur, Dec., 1982
Complex impurity vacancy dipole thermoluminescence centres in NaCl : Ca
(ii) Inter Chapter Meeting of Indian Physics Association Gujarat Science Academy Feb., 1983
Activation energy of 197 OC peak in NaCl : Ca.
Ahmedabad

Applied Chemistry Department

15. Lohar, J. M. and Patel, G. H. 9th International Conference on Liquid Crystals, Bangalore, India (6-12-82 to 10-12-1982)
Mesomorphic characteristics and phase transitions of some New Mesogens I : p-(P' Alkoxy cinnamoyloxy) benzal p' pheneticrines.
16. Lohar, J. M. and Dave, J. S. 9th International Conference on Liquid Crystals, Bangalore, India, (6-12-1982 to 10-12-1982)
Effect of nitroterminal substituent on the Liquid Crystalline Characteristics of Ester Mesogens : p-Nitrophenyl p'-n-alkoxy-cinnamates;
Emergence of Smectic Mesophase in binary mixtures of Pure Nematogens : Variations in mesomorphic characteristics with certain alternations in molecular structure homologues series iso-propyl-p-(p'-n-alkoxy cinnamoyloxy) benzoates and iso-propyl-p-(P'-n-alkoxy benzoyloxy) Benzoates.
“Mixed Mesomorphism binary Liquid Crystal Systems exhibiting linear and non-linear thermal behaviour”.
17. Lohar, J. M. and Yadwadkar, Shashikala 9th International Conference on Liquid Crystals, Bangalore, India, (6-12-1982 to 10-12-1982)
“Mesogen with phenolic end group” 4 (4'-n-alkoxy benoyloxy)-3-methoxy benzalidene 4” aminophenols.
18. Vora, R. A. and Dixit, Nilesh 9th International Conference on Liquid Crystals 6 to 10 Dec., 1982 Bangalore
“Mesogenic homologous series containing chlorogroup as-ortho and para substituent”.
19. Vora, R. A. and Gupta, Renu 9th International Conference on Liquid Crystals 6 to 10 Dec. 1982 Bangalore
20. Vora, R. A. and Patel, D. N. 9th International Conference on Liquid Crystals 6 to 10 Dec., 1982, Bangalore

21. Vora, R. A., Dixit, Nilesh Karhadkar, G. D. and Patel, R. G. 9th International Conference on Liquid Crystals 6 to 10 Dec., 1982, Bangalore
22. Vora, R. A., Jain, P. C., and Kaffle, S. 9th International Conference on Liquid Crystals 6 to 10 Dec., 1982, Bangalore
23. Vora, R. A. All India Seminar of non-destructive testing, Baroda, 1983

Applied Mathematics Department

24. Pathak, V. D. Gujarat Ganit Mandals Annual Conference held at Shardagram, 30-11-1982

5. Talks of Academic nature given at different Universities/Professional Institutes.

Sr. No.	Name of the Teacher	University/Institution	Dates	Title of the Lecture
1	2	3	4	5

Applied Mechanics Department

1. Parikh, P.
- (i) Railway Staff College, Baroda 2-1-1983 New developments in Geotechnical Engineering.
 - (ii) Vatrak, Dam Site 15-2-1983 Construction of rock, fill dams.
 - (iii) Maharashtra Engg. Research Institute Nasik 18-2-1983 Seabase and stability of dams.
 - (iv) Guj. Engg. Res. Inst. Baroda 14 and 15 March, 1983 Sharing behaviour of Soil and seepage problems on earth and rock, fill dam engineering.

2. Thattey, V. 8/9 Dec., 1982 Concrete technology
3. Damle, S. K. 25-2-82 Concrete technology mix design.
7 to 9 March, 83 Ten lecture series on analysis and design of high rise building.
4. Shroff, A. V. 14-3-83 Earth pressure theories and State of Stress at interface of masonry earth junction.
Case study of Itiadhoh Dam.
5. Shah, A. K. Nov. 82 Tenth Quarterly meeting of instrumentation cell at Guj. Engg. Res. Ins. Baroda.

Civil Engineering Department

6. Modi, P. M. Land Development and Water Management Training Centre, Gujarat State, Anand.
(i) Technical Study Circle, Head Office, Gujarat Electricity Board, Baroda.
7. Shah, A. N. (ii) Railway Staff College, Baroda.
8. Bhatt, R. D. (i) Workshop on "Project Implementation, monitoring and Evaluations" Highways, Communication and Construction Tech. Gandhinagar.
(ii) Staff Training College, Gandhinagar.
9. Shah, N. C. Land Development and Water Management Training Centre, Gujarat State, Anand.
10. Sawani, A. K. Land Development and Water Management Training Centre, Gujarat State, Anand.
11. Prajapati, J. J. Land Development and Water Management Training Centre, Gujarat State, Anand.
12. Parthasarathy, G. S. Land Development and Water Management Training Centre, Gujarat State, Anand.

1	2	3	4
13. Sutaria, P. N.	Land Development and Water Management Training Centre, Gujarat State, Anand.	Furrow Irrigation, July-Dec., 1982.	
14. Vyas, P. D.	Land Development and Water Management Training Centre, Gujarat State, Anand.	Basin Irrigation, July-Dec., 1982.	
15. Shete, D. T.	Land Development and Water Management Training Centre, Gujarat State, Anand.	Calculation of water deficits in the soil profile and the rate of various parameters July, 1982. Expression of Water Flow and Quantities for Irrigation, Dec., 1982.	
Electrical Engineering Department			
16. Desai, R. C.	INS-Valsura, Jamnagar	Control System in Defence.	
17. Shah, S. G.	IPCL, Baroda	Computer hardware and Micro Processors.	
18. Aggarwal, A. K.	(i) Railway Staff College, Baroda (ii) Petroffs Coop. Ltd., Baroda	Application of linear and Digital IC's Power electronics. Thyrister convertor and Inverfor ckt's. Semiconductor devices.	
19. Patel, K. S.	Railway Staff College, Baroda		
Mechanical Engineering Department			
20. Patel, R. C.	Annual Convention of I.S.T.E. at Hyderabad	Presidential address.	
Applied Physics Department			
21. Joshi, R. V.	(i) Physics Deptt. S. P. University, V. V. Nagar (ii) I.I.T. Kharagpur	Science and Technology. Present state of understanding of Thelium doped Alkali halides.	
Applied Mathematics Department			
22. Pathak, V. D.	S.V.R. Regional College, Surat (In a summer School)	4 Lectures on Differential Educations in Chemical Engineering.	

6. Participation in Professional Programme; Workshop, Summer Schools, Seminars etc.

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1	2	3	4
1.	Parikh, P.	(i) National Seminar on Quakes floods and Cyclones organised by GERI, Irrigation Deptt. and MSU, Baroda at Baroda 10-11, April, 1982. (ii) International Conference on Construction practices and instrumentation in geotechnical Engg. held at Surat 20-22 Dec., 1982. (iii) Workshop on Earth dam design and construction 14-17 March, 1983. (iv) Annual Convention of Inst. of Engineers, Guj. State, 8th Feb. 1983.	Co-ordinator Participant Participant and Speaker Participant
2.	Shroff, A. V.	(i) National Seminar on Quakes floods and Cyclones organised by GERI, Irrigation Deptt. and MSU, Baroda at Baroda, 10-11 April, 1982. (ii) International Conference on Construction Practices and instrumentation in geotechnical Engg. held at Surat, 20-22 Dec. 1982. (iii) Workshop on Earth dam design and construction 14 to 17th March 1983.	Participant Participant and contributed research paper in the conference volume. Participant and Speaker
3.	Shah, A. K.	(i) National Seminar on Quakes Floods and Cyclones organised by GERI, Irrigation Deptt. and M.S.U, Baroda at Baroda 10th to 11th April, 1982. (ii) International Conference on Construction practices and Instrumentation in geotechnical Engg. held at Surat 20-22 Dec., 1982.	Participant Participant

4. Biyani, K. R. Summer School on Offshore structures at I.I.T. Kharagpur, 15th to 28th June, 1982. Participant
5. Gandhi, S. K. Annual Convention of Inst. of Engineers, Guj. State, 8th Feb. 1983. Participant

Electrical Engineering Department

6. Shah, S. G. Winter School on Electronics Projects Vallabhvidyanagar, November, 1982. Visiting Lecturer

Mechanical Engineering Department

7. Bhatt, G. D. (i) I.S.T.E. Summer School Teacher
 (ii) I.S.T.E. Winter School in Welding Science and Technology. Participant
 8. Trivedi, J. G. M.N.R.E. College of Engg. Allahabad 11-6-82 to 14-6-82. Participant
 9. Mangalani, A. K. M.N.R.E. College of Engg. Allahabad 11-6-82 to 14-6-82. Participant
 10. Patel, K. H. I.S.T.E. Winter School in Welding Science and Technology Participant
 11. Mahyavanshi, B. K. R.E. College of Engg. Durgapur. 1 Dec. 82 to 15 Dec., 1982. Participant
 12. Panchal, V. M. Hydraulics and Power Engg. Dec. 1982. Participant
 13. Khatari, J. P. Hydraulics and Power Engg. Dec. Jan. 1982-83. Participant

Chemical Engineering Department

Summer School Details :

14. The department conducted an ISTE sponsored Summer School on 'Technology of Petrochemicals—Theory and Practice, from 21st June, 1982 to 4th July, 1982. Seventeen faculty members from various Chemical Engineering Departments in India and six persons from the industry participated in the School. The funds for the school were drawn from the Deptt. and the Industry.

15. Gade, V. N. Micro Mixing and Selectivity of Chemical reactors, at I.I.T.. Participant
 Kanpur, March, 1983.

Architecture Department

16. Matai, V. U. Landscape planning and environmental control 9th Dec. 1982 to 23rd Dec. 1982. Participant

7. Exhibitions, Performances, Demonstrations etc. at State, National International Levels

Students of the Architecture Department participated in NASA competition in January, 1983 at Delhi and got 2 prizes for best performance.

8. National and International Awards

Name of the Recipient Teacher/Non-teacher/Student	Description of the Award
Karmakar, S. R.	Fellow of the Textile Association (F.T.A.) awarded by All India Textile Association in 1983.

9. Visitors

Sr. No.	Name	Designation	Date/s Duration of visit
1.	Lowdermilk Max. K.	Project Manager, Water Management Specialist. U.S.A.I.D. American Embassy, New Delhi.	May, 1982.
2.	Svensden Mark	Water Management Expert, USAID, Washington, D.C. U.S.A.	11-12 October, 1982
3.	Sampath, R. K.	Professor, Colorado State University, U.S.A.	May, 1982.

10. Any activity in Faculty involving innovation in Teaching/Research AND

11. Any Programme of the Faculty for the Benefit of the Community

- (a) Centre for Research on Irrigation and Water Management. Under this Project 30 students were admitted to the first year of the Four Year Degree Course in Civil Engineering for 1982-83. The Scheme and Syllabi for the Under-graduate and Post-graduate Courses were approved in the meeting of the Advisory Committee of the Centre, held on 15th March, 1983. Expenditure on purchase of books, contingencies, etc. was incurred on an account grant of Rs. 55,000/- received from the Government of Gujarat.

(b) UNDP Project No. IND/80/030/01/13 Post-graduate Engineering Education and Research—Faculty of Technology and Engineering, Baroda US \$ 12,90,865 revised to U.S. \$ 1309, 928.

(i) Under this Project, four Heads of the Departments of Applied Mechanics, Mechanical Engineering, Civil Engineering and Electrical Engineering Prof. S. K. Damle, Prof. R. C. Patel, Prof. O. H. Patel and Prof. R. C. Desai completed/commenced their study tours in USA/UK each for 6 weeks for Fracture Mechanics, Aerodynamics and Jet Propulsion, Water Management, and Microprocessor disciplines respectively.

(ii) Prof. P. M. Modi, Professor of Civil Engineering and Prof. V. S. Thattey, Professor of Applied Mechanics completed their training in the fields of Irrigation and Water Management, and Fracture Mechanics for 6 and 3 months respectively in U.S.A.

(iii) The lists of sophisticated equipments in the fields of Fracture Mechanics and Micro-Processors submitted to UNIP and UNESCO have been purchased in USA. Some of these have started arriving. The list of equipment for Turbojet propulsion and Irrigation and Water Management specialisations are under preparation. The list of books and journals for all the four fields is being compiled.

(iv) Negotiations for obtaining the services of the Foreign Experts in all the four fields are on hand and will be finalised in the next year.

12. Any activity of academic/social significance organised in or by the Faculty not included under previous items

(A) Students of the Faculty won several prizes for various items at the 32nd University Youth Cultural Competition 1983.

Students of Architecture Department won some of the leading prizes at the Annual NASA (National Association of Students of Architecture) convention held at Delhi such as the Ruebens Trophy, the Le Corbusier's Trophy and five individual prizes for different individual competitions.

(B) Institutional Consultancy Projects :

(C) Tairo Miniature Laboratory Spinning Plant :

As reported last year, TAIRO has developed one complete Miniature Spinning Plant consisting of (a) 10" wide Miniature Card, (b) Drawing Frame, (c) 4 Spindle Roving Frame for TAIRO Laboratory.

(a) During the year two more plants were developed: one each from M/s. Cotton Technological Research Laboratory, Bombay and M/s. The Farmers Co-operative Spinning Mills Ltd.; Hulkoti, Karnataka State to meet their requirements. Several modifications have been carried out in these Miniature Roving Frames. Work on open-end spinning is under trial. The department has also redesigned and developed a Shuttle Accurator.

(b) *Tairo Instruments :*

(i) Following instruments were redesigned and supplied to the technical institute at Hulkoti.

1. Signal Light Attachment.
2. Hank Meter for Carding Machine.
3. Portable Yarn Strength and Elongation Tester.
4. Crease and Recovery Tester.
5. Water Repollency Tester.
6. Yellowness Tester.
7. Improved Shade-O-Meter.
8. Heald Testing Machine.
9. Picker Testing Machine.

(ii) Picker Testing and Heald Testing machines were also further developed for the Textile Committee, Ministry of Commerce, Government of India, Bombay.

(c) *Flatless Card :*

Work on developing improved flatless card is actively on hand.

(d) *TAIRO High Production Roller Ginning Machine with Seed Cotton Reclaimer :*

The Gujarat State Co-operative Cotton Marketing Federation Limited, Ahmedabad has sponsored the above project to TAIRO. TAIRO has started work of Proto-type model (18" wide) after completing the design and drawing work.

(e) TAIRO assisted in the Dissertation work of M.Text. students in fabricating prototype models for following projects. Draft Spinning and Twist Generation.

(D) *Training and Placement Activities : 1982-83*

Training and Placement activities and guidance were gradually enhanced during the year. However, the training programme schedules and related activities were somewhat adversely affected by uncertain semester and examination schedules during the year under report.

CHAPTER XIII

1. Published Articles/Papers :

<i>Sr. No.</i>	<i>Name</i>	<i>Title</i>	<i>Name of the Journal wherein published with date of publication</i>
1.	Shaikh, G. M.	“ભાવદંતું મિત્રજગત” also edited the Art section of the journal.	સાપ્તહિક : ગુજરાતી વાર્ષિક March, 1983.
2.	Pandya, R. M.	“Murals for Mahadeva” with coloured slides reproduced as illustrations.	The Illustrated Weekly of India. 23rd January, 1983.
3.	Bedekar, V. H.	“Museum Education—New Challenges.”	Journal of Indian Museums. XXXVII, New Delhi.
4.	Parimoo, Ratan	(i) More Paintings from Deogarh Thikana. (ii) Buddha's Birth Scenes in Indian Sculpture.	Lalitkala No. 20, New Delhi, 1982. “Rangavali” Recent Researches in Indology Eds.: Murthi and Rao, New Delhi, 1983.
5.	Bhatt, Jyotsna	Mere Anubhav	Samakalin Kala (Hindi) Published by Lalitkala, Akademi, New Delhi, May, 1982.
6.	Chitte, V. G.	3 Full page cartoon series on current events of the world.	Diwali Annual, 1982, ‘Sadhana’, a Gujar Weekly, Ahmedaba’
7.	Sant, N. K.	Illustrated two Books on National Education.	UNICEF, New 1982.
8.	Kannal, Dipak	(i) ‘Dalit literature and Folk lore’. (ii) Contributed ‘Bhava-knun Chitrajagat’ and edited the Art Section.	Maharashtra Patrika, Vol ‘Saynija’ Annual)

Name of the Author/s	Title of the Book/s	Name of the publisher and year of publication
1. Bedekar, V. H.	"How to write assignments, Research papers, Dissertations and Thesis."	Kanak Publication, New Delhi, November, 1982.
2. Pandya, Mahendra	"Monograph on his own Sculptures"	National Lalitkala Akademi, New Delhi
3. Papers presented at Professional level Seminars, Conference etc. :		

Sr. No.	Name of the Teacher	Theme, Organiser's Name, Place and Dates of the Conference/Seminar	Title of the Paper
1.	Bedekar, V. H.	International Seminar on Museum Documentation. Sydney, Australia, August, 1982	The Situation of Museum Documentation in India.
2.	Parimoo, R.	(i) International Seminar on Influences and Interaction in Ancient Indian Art, Dept. of Ancient Indian History and Archaeology, Lucknow University, (29th December, '82 to 1st January, '83) (ii) U.G.C. Seminar on Regional patterns in Ancient Indian Sculptural Tradition, arranged by School of Studies in Ancient Indian Culture and Archaeology, Jivaji University, Gwalior, 22nd to 24th February, 1983	"Sheshashayin Vishnu—The Metaphysical and Mythological influences." "Regional variations in the sculpture of Sheshashayin Vishnu"

4. Talks of academic nature given at different Universities/Professional institutions :

Sr. No.	Name of the Teacher	University/Institution	Title of the Lecture
1	2	3	4

1. Patel, Jeram Jaipur School of Art Demonstration and talk on Art.

2. Parimoo, Ratan Vanasthali Vidyapith, Rajasthan on 16-1-1983.
1. Objective of Teaching Art History.
2. Introduction to Western Aesthetics.
3. Mewar Painting based on Bihari Satsai.

3. Bedekar, V. H. The Government Museum Madras, November, 1982 "Stylish Approach to Miniature Paintings."

4. Shah, Vinod C. Gujarat Lalit Kala Akademi Lecture and Demonstration on Landscape Painting.

5. Sheikh, G. M. Coordinated Lecture Programme for the Festival of India London Sept.-October, 1982 On 'Contemporary Art'.

- Lectures given :—
- (i) Royal College of Art, London
 - (ii) Salde College of Art London University
 - (iii) Victoria and Albert Museum, London
 - (iv) St. Martin's School of Art, London
 - (v) Gloucestershire College of Art and Technology, Chaltenham (U.K.)
 - (vi) Bath Academy, Corsham (U.K.)
 - (vii) College of Art, Exeter (U.K.)
 - (viii) Wolverhampton College Polytechnic (U.K.)
 - (ix) Department of Oriental Languages Milan University (Italy)
 - (x) Seminar for Oriental Art University of Bonn (F. R. G.)
 - (xi) Rietberg Museum, Zurich (Switzerland)
 - (xii) Seminar on Contemporary Art Examination Schools, Oxford
 - (xiii) Interview with Geeta Bala on B.B.C. (October 1982)
- "The Paintings of the Hamza Nama"
"Sieneese Painting, Indian miniatures and Contemporary Art"
"The Paintings of Hamza Nama"
"Viewer's View."
"Perspectives of Art"
"Perspectives of Art"
"Perspectives of Art"
"The Paintings of the Hamza Nama"
"The Paintings of the Hamza Nama"
"Contemporary Indian Painting"
"Contemporary Indian Painting"

1	2	3	4
6.	Bhatt, Jyoti	(i) "State Art Gallery" Havana, Cuba. (ii) Deptt. of Art, Cornell University, U.S.A. (iii) Deptt. of Graphic Art, Pratt Institute, N. Y. U.S.A. (iv) Deptt. of Design and Deptt. of African Art, Wisconsin University, U.S.A. (v) Roopankar Museum, Bhopal, (M.P.) (i) Rajasthan Lalit Kala Akademi, Jaipur. (ii) Indira Sangit Kala Vishwa Vidyapith Khairagarh, (M.P.) Valsad Jilla Chitra-Shikshak Sangh, Navsari.	Talks with slides on : (A) Indian Graphic Arts. (B) Indian Folk Arts.
7.	Pandya, R. M.		Talk with slides on American Paintings. Talk with slides on "Composition".
8.	Trivedi, Vinay	Valsad Jilla Chitra-Shikshak Sangh, Navsari.	How to make Education in Art more Impressive.

5. Participation in Professional Programme, Workshop, Summer Schools etc. :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1	2	3	4
1.	Bhatt, Girish	Artists' camp at Mount Abu, organized by Gujarat Lalit Kala Akademi, March, 1983.	Participant
2.	Kaneria, Raghav	Sculptors' camp by Bharat Bhavan, Bhopal (M.P.) 1983.	Participant
3.	Deshpande, M. S.	Teachers Art Camp by Vishvesvaraiya Industrial and Technological Museum, Bangalore, Karnataka, 1982	Participant
4.	Pandya, R. M.	Gujarat Mudran Parishad's Conference, Baroda, 1982 Artists' Camp at Mount Abu, organized by the Gujarat Lalit Kala Akademi, March, 1983	As a delegate. As an artist by invitation.

6. Exhibitions, performances, demonstrations etc., at State, National or International levels :

1.	Patel, Jeram	(i) Represented India in Triennial International Exhibition, New Delhi. (ii) Represented India in Festival of India, London, September, 1982. (iii) Represented in Exhibition of Contemporary Art in Washington.	Participated as an artist.
2.	Shah, Vinod C.	Annual Exhibition 1982, National Lalit Kala.	Participated as an artist. Indira Sangit Kala Vishva Vidyapith, Khairagarh—M.P. Faculty of Fine Arts, University of Rajasthan, Jaipur.
3.	Pandya, R. M.	(i) Demonstration on composition in an experimental style. (ii) Demonstration on Painting. (iii) Art Exhibition outside the State 1983, by Guj. Lalit Kala. (iv) Annual Exhibition of 1982, of Guj. Lalit Kala (v) Annual Exhibition of All India Drawings and Graphics, 1983 by Gulbarga Art Council and the Ideal Fine Art Society, Gulbarga, Karnataka.	Participated as artist.
4.	Patel, Kumud G.	(i) Demonstration on Throwing mini pots on wheel	(i) Jersey City State College, New Jersey, Summer course, July-1982. (ii) The School of the Art Institute of Chicago, August, 1982. (iii) Pewabic pottery Michigan July, 1982. (iv) Pat peaco studio ceramics, Cleveland, and Fun Fair of North Olms tead, August, 1982. (v) Bowldyn studio in New York August—1982. (vi) Science Museum, Toronto during the celebration of 7000 years of China. August—1982.

5. Trivedi, V.
6. Sheikh, G. M.

7. Bhatt, Jyoti

- Aunjal, Chhipwad.
Represented in Contemporary Indian Art Festival of India, London, October, 1982.
Represented in Contemporary Indian Art, Washington during Mrs. Gandhi's visit to U.S.
(i) Museum of Modern Art, Oxford, U.K.
(ii) Maissner Edition Hamburg, W. Germany.
(iii) Hawana and Santiago, Cuba.
(iv) Washington, D.C. by National Gallery of Arts, New Delhi.
(v) "Thkhman" Terracotta camp at Molela June—1982.
(vi) Graphic Workshop, by Roopankar, Bharat Bhavan, Bhopal, M.P. February—1983

- (vii) Hunter College New York, August—1982.
(viii) Montclair College, New Jersey, Sept.—1982.
(ix) Rajasthan School of Art, Jaipur, Feb.—1983.
(x) Cleveland Institute of Art, Cleveland, U.S.A., 26th Aug. to 4th Sept. 1982.
(xi) Jersey City State College, New Jersey, U.S.A., 9th Sept. to 18th Sept. 1982.
(xii) Chemical Bank, New York, 20-21st Sept. 1982.

One Man show of Drawings.

- Participated in "Six Photographers" show Summer—1982.
Art of the World.
Exhibition of Indian Graphics Aug. and Sept. 1982.
Exhibition of Indian Painting August—1982.
Participated by Invitation.

Participated by Invitation.

8. Patel, V. R.

Taj Art Gallery, Bombay

Participated in a Group show of paintings, November, 1982.

9. Katpitia, Feroz

Taj Art Gallery, Bombay

Participated in a Group show of Paintings, November, 1982.

10. Panchal, R. R.

Jehangir Art Gallery, Bombay

Participated in All India Sculptors' Exhibition, Feb., 1983.

11. Pandya, M. D.

(i) Demonstration in Sculpture at Rajasthan School of Art, Jaipur.

As a visiting Professor.

12. Kaneria, Raghav

(ii) Bombay Art Society Contemporary Indian Sculptors' Exhibition.

Participating Sculptor by invitation.

13. Mohammedi, Nasreen

Invitee

14. Bhatt, Jyotsna

(i) The living Art of India, at the Festival of India, by the Art Council of Great Britain, London, Cardiff, Glasgow, Bradford, Sheffield. May to August—1982.
(ii) "India, Myth and Reality" by Museum of Modern Art, Oxford, Engg. U. K.—1982.
(iii) Travelling Exhibition of sixth photo contest in Asia and the Pacific by UNESCO, Japan, 1982-83.
(iv) Indian Sculpture today 1983, by The Jehangir Art Gallery, Bombay

Participated in a Group show of Paintings, November, 1982.

Invitee

(i) Urja Art Gallery, Baroda—1982
(ii) Prithvi Gallery, Bombay—1982
(iii) Contemporary Indian Art, Festival of India, London

Participating Sculptor by invitation.

15. Khatri, Girish

Taj Art Gallery, Bombay, —November, 1982

One man show of Drawings.

One man show of Drawings. September, 1982.

16. Bhatt, Jyotsna

(i) Jehangir Art Gallery, Bombay—Dec., 1982.

Participated in a group exhibition with four other artist friends.

17. Khatri, Girish

(ii) Gulbarga Art Council and The Ideal Fine Art Society, All India Graphics and Drawings Exhibition, Gulbarga, Karnataka, 1983.

Group show of Drawings. Participated as an artist.

(iii) National Lalit Kala Akademi, New Delhi, 1983.
(iv) Gujarat State Lalit Kala Akademi, 1983.
(v) 11th Niharika All India Salon of photography—1982, Ahmedabad.

Participated as an artist.
Participated as a photo artist.
Participated as a photo artist.

- (vii) 15th Howrah colour Salon '83 International Exhibition of colour slides. Participated as a photo artist.
- (viii) XIV Salon International de la Republic de Roumania. Participated as a photo artist.
- (ix) Huble Liou's photo Exhibition. All India—1983. Participated as a photo artist.
- (x) First All Gujarat photographic competition and Exhibition 1983 by Pictorial Bureau, Surat. Participated as a photo artist.
- (xi) F.I.P. Colour slide contest, All India colour contest 1983. Participated as a photo artist.
16. Deshpande, M. S. Participated as an artist.
As a visiting Lecturer and Demonstrator
17. Bhatt, Girish Participated as an artist by invitation.

7. National and International Awards and Distinction :

Sr. Name of the Recipient
No. Teacher/Non Teacher/
Student

Description of the Award

1 2

3

1. Deshpande, M. S. Selected as a Teacher Scholar in Indo-GDR, Cultural Exchange Programme 1983.
2. Sheikh, G. M. (i) Padmashri—by the President of India in 26th January, 1983.
Nominated Member :—
(ii) All India Handloom and Handicrafts Board, Govt. of India.
(iii) Design and Technology Committee, AIHBB, New Delhi.
(iv) Committee to reorganize Art Education, Government of M.P.

3. Bhatt, Jyoti Appointed as a Commissioner to accompany Exhibition of Indian Graphic Prints, to Cuba, under Indo-Cuban Cultural Exchange Programme, August—1982.
Was nominated by the :
4. Parimoo, Ratan (i) U.G.C. on the U.G.C. Panel on Art Hist. and Museology for 1982-84.
5. Kaneria, Raghav (ii) Elected as Executive Secretary of the Indian Association of Art Historians for 1982-84.
Awarded the First Prize and a shield of Seventh Photo Contest in Asia and the Pacific by UNESCO-Tokyo-Japan—1982.
6. Khatri, Girish Awarded First Prize for a photograph at the Annual Exhibition of Gujarat Lalit Kala Akademi—1983.
7. Bedekar, V. H. Attended an International Seminar on Museum Documentation at Sydney, Australia—August 1982.

8. Visitors :

Sr.No.	Name	Designation	Date/s/Duration of the Visit
1	2	3	4
1.	Sawyer, Margo	Fulbright scholar and Sculptor from United States.	Visited on 28/2/83 and slide show of her work was held on 28-2-1983.
2.	Lanney, Richard	Wellknown British Social Anthropologist and author of "Speaking Tree".	(i) Two lectures on Ancient Symbolism in Modern Indian and Western Art. (ii) Banaras : The Ancient city as Microcosm, 18-19 Feb., 1983.
3.	Bandopadhyay, Manabendra	Prof. of Jadavpur University.	Talk on "Third World Literature." 3 March, 1983.
4.	Hyman, Timothy	Well-known British Art Critic	Lectured on 'Contemporary and Traditional European Art', December, 1982
5.	Panniker, Ayappa	Well-known poet and writer	Lectured on 'Aesthetics of Folk Arts of Kerala', 12th March, 1983
6.	Rushdie, S.	Well-known author	Spoke on 'Ar...'

CHAPTER XIV

9. Any activity in the Faculty involving innovation in teaching/Research :

- (i) The B.A. (Fine) Applied Arts Degree is awarded to students concerned only after completion of minimum 6 weeks of professional training in an Advertising Agency or a Design Studio of minimum 5 years standing. The professional training is required to be completed during the vacation in the 3rd year of the degree course.
- (ii) A special short term inservice certificate course was organised in the Department of Museology from 6th December, 1982 till the end of April, 1983.

10. Any activity of academic/social significance organized in or by the Faculty not included under previous items :

1	2	3	4
1. Bedekar, V. H.		Attended a meeting in Bhopal in August, 1982 in connection with organization of open Air Museum for Department of Museum and Archaeology Govt. of M.P.	
2. Bhatt, Jyoti		Worked on sabbatical project, and visited Rural and Tribal areas :— (1) Andhra Pradesh (Eastern Zones) (2) Sarguja and Raigarg Districts of M.P. (3) Bastar M.P. (4) North Gujarat, Rajasthan, Kutch, Kheda etc.	
3. Trivedi, V. P.		Introduction with brief life sketch explaining his original style of Painting in Kumar (A leading magazine of Fine Arts Gujarati.), April, 1982	
4. Kannal, D.		(i) Publication :— Kesari : (A) Vichitra Chitra Shri Shivram Murthy (B) Isapachi Duniya. Nav Bharat : (A) Iconography of Massya. (ii) Invited to contribute for Marathi Vishwakosha (Govt. of Maharashtra). (i) Designed a symbol for Anti-leprosy Association of Baroda Dist. for Silver Jubilee Year. (ii) Portrait in charcoal of the first Revolutionary of India—Vasudev Balavant Fadake for the First Centenary celebration for Kranti-Samsaran Parivar in Baroda.	
5. Chitte, V. G.		Programme leader for creative activity Project at the N.S.S., M. S. University of Baroda. Baroda.	
6. Pandya, Ramesh			

1. Courses of Studies

In the Home Management department the revised M.Sc. Programme was implemented from June, 1982.

2. Published Articles/Papers

Sr. No.	Name/s	Title	Name of the Journal wherein published with date of publication
1	2	3	4
1.	Verma, Amita	(i) Home Scientists as Social Development Planners. (ii) Integrating Population Function and Family Planning with Home Science.	Indian Journal of Home Science, Vol. 14, No. 3, September, 1982. Looking Ahead, November, 1982.
2.	Verma, Amita and Saraswathi, T.S.	The Child Development Curriculum and its relevance to job Competencies.	Report prepared for the Indian Council of Social Science Research Mimeo, 1983.
3.	Verma, Amita, and Mallya, Indira	Basic services for the rural child: a conceptual framework for childhood interventions.	J. of MSUB, Vol. XXIX, No. 2, 1980.
4.	Dave, Parul	A comparative study of conjugal relationships in young middleaged and elderly couples	Journal of Family Welfare, Vol. XXVIII June, 1982
5.	Mistry, Veena	Whither "Once upon a time ?"	Soc
6.	Pathak, Yogini	Children as agents of in a rural comm	

Child Developm

1. Verma, Amita

Dave, Parul

21.

9. Any activity in th

- (i) The B.A. weeks of profess
- (ii) A spe/s 1982

10. Any activ'2

1. Veena and Ameeta

1. Dave, Aruna

Clothing and Textiles

- 9. Chaukar, B. N. and Bahel, G.
- 10. Chaukar, B. N. and Mehta, S.
- 11. Chaukar, B. N. and Desai, J.
- 2. Patel, S. I. and Bhavsar, R.
- 3. Balakrishnaiah and Majmudar, G.
- 4. Balakrishnaiah and Narang, A.
- 5. Thomas, A. and Pant, B.
- 6. Phadke, S. M.
- 7. Pandya, A. D.

Education and Extension

18. Paralikar, Kalpana

Foods and Nutrition

19. Gopaldas, Tara, Gupta, Anjali and Saxena, Kalpana

20. Gopaldas, Tara

Child Development

1. Verma, Amita

Dave, f rul
21.

Name of the Journal wherein published with date of publication

4

Title

3

Educational Intervention with disadvantaged young children with specific reference to home based programme.

Nutrition and Development of the Child Ed. R. Rajalakshmi. The Baroda Journal of Nutrition, Vol. 9, 1982.

Chapter "Toys, books for Children and Role of Parents", Bal Arogyani Chavi, 1983.

A study of absorption characteristics of towels and their relation with other fabrics characteristics. Ind. Text. J. February, 1983.

A study of softening acrylic type finishes on absorption of cotton towels in presence of perspiration. Ind. Text. J. February, 1983.

An expert study of block printing with linoleum other soft materials to get tone effect. Ind. Text. J. February, 1983.

Designing one piece dressed with growth features for pre-school age girls. Ind. Text. J. July, 1982.

Effect of laundering on some physical properties of rib knitted fabrics. Ind. Text. J. July, 1982.

Study of rot resistance of water proof canvas by soil burial method. Ind. Text. J. July, 1982.

Indian Kalamkari—A comparative study of Art in Kalahasti and Masulipatnam. Ind. Text. J. May, 1982.

Study of handwoven saris of Maharashtra. Ind. J. Home Sc. September, 1982.

Different methods of hand printing of saris in Gujarat.

(i) Assamese women and developmental programmes. Journal of Social Sciences, 1982-83.

(ii) Extent of awareness of rural and urban boys and girls regarding population education. The Indian Journal of Home Science Vol. 15, 1983.

(i) The Impact of Sanskritization in a forest dwelling tribe of Gujarat, India. Ecology, Food consumption patterns, nutrient intake, anthropometric, clinical and haemoglobin status. Ecology of Food and Nutrition, Vol. 12, 217-227, 1983.

(ii) Intrafamilial distribution of nutrients in a deep forest-dwelling tribe of Gujarat, India. Ecology of Food and Nutrition, Vol. 13, 69, 1983.

(i) Training the trainer in relevant and specific nutrition-health-education: Development of a low cost and effective communication model. Proceedings of the International Workshop on Child Nutrition/malnutrition: Information and mass media. Eds. P. Vesin, M. Aghi and G. Morel, The International Children's Centre Paris, France, 1983.

(ii) The Development of a Nutrition-Health-Education System for tribal and rural populations in Central India. Proceedings of the International Workshop on "Child Nutrition/Malnutrition Information and mass media. Eds. P. Vesin, M. Aghi and G. Morel, The International Children's Centre, Paris, France, 1983.

(iii) The Phenomenon of Sanskritization in a Forest-dwelling tribe of Gujarat, India, Nutrient intake and practices in the special groups. Ecology of Food and Nutrition, Vol. 13, 8, 1982.

(iv) An early evaluation of integrated Child Development Services. (ICDS) Programme in India. Nutrition and the Development of the Child Ed. R. Rajalakshmi, The Baroda J. of Nutrition (1982), 9, 396.

Altered lipid profile in liver amoebiasis and its amendment with metronidazole treatment. Ind. J. Physiol. Pharmacy. 26 (3), July-September, 1982.

9. Any activity in the
 (i) The B.A. weeks 4
 profess 3
 (ii) A spec 4
 1987-2
10. Any activity
 Das, Leena Protein quality of Chaisathi (tea whitener) J. Fd. Sc. and Tech. 20 (1) Jan-Feb., 1983
 ; Asha Effect of varying the level of lead on ascorbic acid status in rats fed low and high protein diets. Arogya—J. of Health Sciences, Vol. 8, April, 1982.
 S. and Changes in tissue concentration of glutathione and protein in lead toxicity. Current Science, Vol. 51, No. 10, May, 1982.
 Anna, Anita British Journal of Nutrition, Vol. 48, No. 2, Sept., 1982.
 Seshadri, S., Hirode, Kalpana and Naik, Pallavi ren to iron-folic acid supplements. Ind. J. Path. Microbio. : 25, 195-198, 1982.
 Mehta, Pallavi and Venkatraman, A. Atherosclerosis and anti-diabetic drugs.
- Home Management**
7. Srinivasan, K.
 (i) "Homemakers" attitudes towards selected marketing practices and consumer responsibility and its influence on actual buying practices". Indian Journal of Home Science, Vol. 14 : 4, 1982.
 (ii) "A study of the consumption pattern of the affluent Households in Baroda city. J. of MSUB, Vol. No. XXX, 1983. (Humanities Number)

Published Books and Monograph

Name of the Author/s	Title of the Book/s	Name of the Publisher and year of publication
2	3	4

Child Development

Saraswathi, T. S. Compendium of researches in human development J. MSUB, Vol. 30, 1983. and family studies.

Education and Extension

2. Chandra, Arvinda, Shah, Anupama, Rana, Ansuya Manual on Seven-Point-Scale of Evaluation: J. MSUB, Vol. 30, 1983.

Foods and Nutrition

3. Gopaldas, Tara Chapter on "Project Poshak by CARE in Madhya Pradesh India". Nutrition in the Community : A critical look at Nutrition Policy, Planning and Programmes Ed. D. S. Melaren John Wiley and Sons, Inc., 1983.

Home Management

4. Ogale, N. Managerial Process in Action : A study among Oraoon Tribal Families Research Bulletin, No. 1. Dept. of Home Management, MSUB.

4. Papers presented at Professional Level Seminars, Conferences etc.

Name of the Teacher	Theme, Organiser's names, place and Dates of the Conference/Seminar	Title of the paper
1	2	3

Child Development

1. Verma, Amita (i) Family Welfare—New Directions, Baroda, 24-7-1982, Baroda. Dist. Panchayat. Role of Women and Youth in Family Welfare/Planning.

Dave, Gurul (i) I.A.P.E. Poona, 27th-29th Dec., 1982. (i) In-service Training Programme of Balsevikas Panchmahal.

21. (ii) Paediatric Conference of Gujarat State, Baroda, 30th Jan., 1983. (ii) The Reality and Promise of basic Health Conditions in Tribal Village of Gujarat.

(ii) Indian Science Conference, Saputara, 24-25th Dec., 1983. (iii) Further Family Planning. A new Intervention.

3. Parikh, Jayoti
Indian Assn. of Pre-School Education, Poona, 27th-29th Dec., 1982. Home baked programme for mentally retarded children.
Multi-age group approach. Social Learning Abilities of preschool children. Studies in classroom Motivation : A methodological review.
Status of Population Education in M.S. University of Baroda.
4. Mishra, Nirmala and Parekh, K.
Indian Assn. for Pre-School Education, Poona, 27th-29th Dec., 1982.
5. Kapoor, Neena
Motivation and Human behaviour, Allahabad, Sept., 21-23, 1982.
6. Shah, Ameeta
Population Education National Institute for Educational Planning and Administration New Delhi, 14-17th March, 1983.
- Clothing and Textiles**
7. Chaulkar,
National Seminar held at Lady Irwin College, Delhi 1982. Perspective on Consumer Education.
8. Patel, S. I.
Home Science XVI Biennial Conference held at Pantnagar, March, 20-22, 1983. Carrying Science to the rural home through clothing and textiles.

Education and Extension

9. Chandra, Arvinda
(1) National seminar on family life education, New Delhi South Ext. Part I, 1-5 Dec., 1982. Family life Education in College curriculum.
(2) Theme : Instructional strategies for Home Science Education, Faculty of Home Science, 20-22, Jan., 1983. Introduction to theme of seminar.
- Paralikar, Kalpana
Reinforcement and feedback—Motivational approaches for programmed instruction.
- Shah, Anupama
Nonformal education as an instructional strategy in Home Science.
- Rana, Ansuya
Indigenous water filter for rural Home.
- Joshi, Uma
Multi-Media approach in teaching Home Science.
- Thomas, Anita
Mass Communication training in Home Science.

Foods and Nutrition

15. Gopaldas, Tara
International conference of Food Science and Technology, " Ahara 1982 " at Bangalore, 23-26 May, 1982. Malted Versus roasted toddler mixes : Development, Storage and acceptability trials.
16. Gujral, Sunder
—do—
Malted versus roasted toddler mixes : Proximate composition and growth trials in rats (In absentia).
17. Seshadri, Subhadra
XV Annual Meeting of Nutrition Society of India, Hyderabad, 5-6, Nov., 1982. Anaemia and physical performance of young children.
18. Raghvan, Rama
—do—
Nutritional impact of anti parasitics, prophylatics, vit. A; and Iron-folic acid on under priveleged Indian School Girls.

Home Management

19. Ogale, N.
(i) National seminar on " Research Directions in family resource management organized, Haryana Agri. Univ. Hissar, 15th-17th Jul. 1982. (i) Historical review of Home/Family Resource management as a field of study.
(ii) Ecological perspective and family resource management in urban homes. (ii) Ecological perspective and family resource management in urban homes.
Indian Traditions and values in contemporary management.
18.
(iii) Transfer of Technology from Home Management perspective.
19. Joshi, Anena
(i) National seminar on " Looking Ahead : Projecting Future of Home Science " Lady Irwin College, New Delhi, 7-11 Nov., 1982. " Impact of Technology on Family Resource Management.
20. Thon
G. B. Pant Univ. of Agri. and Tech., 19-22 March, 1983.
21. Patel,
(i) National seminar on " Looking Ahead : Projecting Future of Home Science " Lady Irwin College New Delhi, 7-11 Nov. 1982. " Solar Cooker a way of using solar energy to reduce domestic unit.

Child Development Department gave talks of an academic nature in various local schools and Professional Programmes, Workshops, Summer Schools, etc.

Teacher	Programme, Place and Date	Capacity in which participated
2	3	4
Mo Child Development		
1. Verma, Amita	(i) Family Planning and Population Education, Baroda, August, 1982. (ii) USEFI Regional Seminar on Trends in Early Childhood Education, M.S.U.B., 9-10 February, 1983.	Invitee and group leader. Director.
2. Saraswathi, T. S.	(i) A Workshop on Research Methodology with Specific focus on action research, M.S.U.B., January, 23-February 5, 1983 (ii) Pretesting of Teaching Aids in the Field, M.S.U.B., 22-23 March, 1983.	Organizer. Organizer.
3. Mistry, Veena	(i) 18th Annual Conference of the Indian Ass. of Pre-School Education, Poona, December 27-29, 1982. (ii) In-service Training Program on Readiness for First grade NPSS teachers, M.S.U.B., July 3-14, 1982. (iii) USEFI Regional Seminar on Trends in Early childhood Education, M.S.U.B., February 9-10, 1983. (iv) Workshop organized by Bal-Bhavan Society on values of Creativity, Baroda, March 19th, 1983.	Expert. Resource Person. Joint Organizer. Co-ordinator.
Dave, Parul	(i) 18th Annual Conference of the Indian Assn. for Pre-School Education, Poona, December 27-29, 1982. (ii) Paediatric Conference of Gujarat State, Baroda, January 30, 1983. (iii) Workshop on Sexism in Text-books, Ahmedabad, 1982.	Participant. Participant. Participant.

5. Parikh, Jyoti

- (i) National Seminar on Welfare of Hearing Loss and Impaired Children, Mukdabhir Vidyalaya, November, 1982.
- (ii) All India Occupational Therapist Conference, January 7-9, 1983, Baroda.
- (iii) Symposium on Welfare of Handicapped Children, Baroda, March 27, 1983.
- (iv) National Seminar on Instructional Strategies for Home Science Education, M.S.U.B., January 20-22, 1983.
- (v) 18th Annual Conference of the Indian Association for Pre-School Education, Poona, December 27-29th, 1982.
- (vi) Workshop on Hearing Impairment, organized by Education, Audiology and Research, Bombay, 24-26 February, 1983.
- (vii) Seminar on Child Labour and Health, organized by WHO, Unit for Child Health and Youth Research, TISS Bombay, 20-22 April, 1982.

6. Parekh, K.

- (i) 18th Annual Conference of the Indian Assn. for Pre-School Education, Poona, December 27-29, 1982.
- (ii) Seminar on Instructional strategies for Home Science Education, M.S.U.B., January 20-22, 1983.
- (iii) USEFI regional seminar on Trends in Early Childhood Education, M.S.U.B., 9-10 February, 1983.
- (iv) In-service Training Workshop on the values of recreational expert. Balbhavan Society, March 11, 1983.
- (v) Seminar on Balkani Pratibha Olakhiye (Gujarati) Bhulka-Bhavan, Baroda, February 7, 1983.
- (vi) Workshop on Research Methodology, M.S.U.B., January 5-February, 4 1983.
- (vii) Workshop on Pretesting of teaching aids in the field, M.S.U.B., March 22-23, 1983.
- (viii) Organized a course on Puppetry and Creative Drama, M.S.U.B., October 4-14, 1982.
- (i) National Seminar Looking Ahead—Projecting the future of Home Science, Delhi, November 9-10, 1982.
- (ii) Workshop on Research Methodology, M.S.U.B., January 25-February 5, 1983.

19. Joshi, Uma

20. Thomas, Anita

21. Patel, Malini

Prerna

8. M. C. Prerna, Prerna
 (i) In-service training program for first grade teachers of NFSS Baroda, M.S.U.B., July 3-13, 1982. Chairperson.
 (ii) USEFI Regional seminar on Trends in Early Childhood Education M.S.U.B., February 9-10, 1983. Participant.
 (i) Workshop on Pre-Maths experiences, Bhavnagar, June, 1982. Expert.
 (ii) In-service training program for first grade teachers of NFSS Baroda, M.S.U.B., July 3-13, 1982. Resource person.
 (iii) USEFI Regional Seminar on Trends in Early Childhood Education, M.S.U.B., February 9-10, 1983. Participant.
 (i) In-service training program for first grade teachers of NFSS Baroda, M.S.U.B., July 3-13, 1982. Participant.
 (ii) National Seminar/Workshop on the problems and Management of population Education in Higher Education, Delhi, March 14-17, 1983. Delegate.
 (iii) Workshop on Research Methodology with special focus on action Research, M.S.U.B., January 25-February 5, 1983. Participant.
 (iv) Workshop on Pretesting of aids in the field, M.S.U.B., March 22-23, 1983. Participant.
 (v) Seminar on University teaching methods and evaluation, CASE, Baroda, February, 1983. Participant.
 (vi) USEFI Regional Seminar on trends in Early Childhood Education, M.S.U.B., February 9-10, 1983. Participant.
 (i) 18th Annual Conference of the Indian Association of Pre-school Education, Poona, December 27-29, 1982. Participant.
 (ii) USEFI Regional Seminar on Trends in Early Childhood Education, M.S.U.B., February 9-10, 1983. Participant.
 (i) USEFI Regional Seminar on Trends in Early Childhood Education, M.S.U.B., February 9-10, 1983. Joint Director.
 (ii) Workshop on Pretesting of teaching aids in the field, M.S.U.B., March 22-23, 1983. Participant.
 (iii) Indian Science Congress Association Forum on Home Science and Nutrition, Tirupati, January, 1983. Chairperson. Convenor and

11. Misra, Nirmala

12. Pathak, Yogini

13. Kapoor, Neena

- (i) Symposium on Issues in Research on Human Motivation in the Indian Context, Allahabad, September 21-23, 1982. Participant.
 (ii) Workshop on Research Methodology, M.S.U.B., January 25-February 5, 1983. Participant.
 (iii) Workshop on Pretesting of aids in the field of Child Development, M.S.U.B., March 22-23, 1983. Participant.

14. Shah, Sukeshi

- (i) Workshop on Research Methodology, Baroda, January 25-February 5, 1983. Participant.
 (ii) Workshop on pretesting of aids in the field, M.S.U.B., March 22-23, 1983. Participant.
 (iii) Orientation Seminar on Grading and Evaluation, M.S.U.B., August, 1982. Participant.

15. Bh. Dropti

- In-service training program for first grade NPSS teachers of Baroda, M.S.U.B., July 3-13, 1982. Resource Person.

Clothing (ii) Textiles

16. Chaukar, B. Dropti
 Technical Seminar on Texturizing (by Kalabhavan TAIRO, held at Baroda on 12th February, 1983). Invitee Participant.
 17. Patel S. I. and Balakrishnaiah, B.
 G.C. Seminar on Instructional Strategies in Home Science Cong.U.B., January 20-22, 1983. Local Participant.

Education and Extension

18. Rana, Anusya

- 16th Biennial Conference of Home Science Association of India, Home Science in Technological Age G.B. Pant University, Pantnagar, March 20-22, 1983. Participant.

19. Joshi, Uma

Participant.

20. Thomas, Anita

Participant.

21. Patel, Malini

Participant.

Foods and Nutrition

22. Gopaldas, Tara

- (i) Session on "Trainings and Facilities at the First International Conference on Food Science and Technology", Ahara, 1982, at Bangalore 23-26th, 1982. Discussant.
- (ii) UNICEF Seminar on Nutrition for Policy Makers at Bhopal on 22-23 Nov 1982. Expert.
- (iii) Seminar to Celebrate the Jubilee Celebrations of Lady Irwin College, Delhi, 7th November, 1982. Speaker.
- (iv) Sixth FAO Consultative Non "Improving the Nutrition of Rural Poor" at Hyderabad 22-23 December, 1982. Speaker and Resource Person.
- (v) Workshop organized by School of Tropical Medicine and Hygiene at Hissar in 1982. Expert.
- (i) Workshop on Monitoring Evaluation of day care centres at Manipura, Sangodra, Highness Prince Agakhan Education Board, February 19th 1983. Expert.
- (ii) National Seminar on "Nutrition Trends and Perspective in 80's" organized by Food Nutrition Board, Government of India, on November 1982. Delegate.

23. Gujral, Sunder

- NCERT/UNICEF Conference on March 4th-5th, 1983. Member.
- First AFST International Conference Bangalore on 23-26 May, 1982. Delegate.
- National Seminar on Institutional Strategies for Home Science, M.S.U.B., in January, 1983. Delegate.

24. Patel, Jayaprabha

25. Seshadri, Subhadra

26. Ankleshwaria, N.

7. Exhibitions, Performances, Demonstrations etc. at State, National or International Levels

Foods and Nutrition

Exhibition on "Diets for Diabetics" was arranged by Foods and Nutrition Department and Diabetes Association of Baroda at the Planetarium on March, 1983.

Name of the Recipient Teacher/Non-Teacher/Student	Description of the Award
(i) Ms. Joshi, Smita	International Rotary Scholarship to U.S.
(ii) Patel, Sangeeta (Sr. M.Sc. Student)	International Rotary Scholarship to U.S.

8. Visitors

Name	Designation	Date/s Duration of the Visit
1	2	3

Child Development

- | | | |
|-------------------|---|-------------------------------|
| 1. Anandlakshmi | Head, Department of Child Development, Lady Irwin College, New Delhi, U.G.C. Visiting Fellow. | January 23-February 5th, 1982 |
| 2. Aghi, Meera | Media Expert, Project Director, TIFR, Bombay. | March 22-23rd, |
| 3. King, Kenneth | Programme Officer, Education Division, International Development and Research Council, Canada. | July 25th, 1982 |
| 4. Katz, Lillian | Visiting Fulbright Professor of Early Childhood Education, University of Illinois, Urbana Champaign, U.S.A. | January 24th-February 26th, |
| 5. Nanavaty, Mehr | Consultant to NIPCCED. | February, 1983. |

6. Singh, Ramdhir Psychologist, I.I.M., Ahmedabad. March 5th, 1983.
7. Garg, Pulin Professor, I.I.M., Ahmedabad. March 15th, 1983.

Education and Extension

8. Pandya, Vinod Educational representative Sri Gujarat Samaj, Indore. March, 1983.

Foods and Nutrition

9. Craig, T. Asstt. Secretary to Common Wealth Universities. December 13th, 1982.
10. Team of 11 Doctors and Senior Medical Officers from various States of India and South East Asian Countries. February 22nd, 1983.
11. Mahony, Ramon Associate Professor Department of Food Science and Nutrition University of Massachusettes. March 23rd, 1983.
12. Mohan, Ram Deputy Director National Institute of Nutrition, Hyderabad. March 31st, 1983.
13. Hasan, Nurul Director General CSIR. March 12th, 1983.

9. Any activity in the Faculty involving innovation in teaching/research.

Child Development

- (i) The B.Sc. students worked in the tribal villages of Panchmahal for their Block Placement Programme. It was the first time that students were exposed to a tribal setting.
- (ii) The Alumni Association of the department has been organized

The Municipal Corporation for the benefit of the Com
and 14 well developed areas of community
as well as for education (Akota Slums)
Municipal School)
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In th
edu
a)

Education for village. NSS volunteers
The village placement in Khanpur village
were trained to impart relation to clothing
more
Panel

Education and Extension

- (i) Development activities are being carried out and income generating activities were initiated in and food preservation for women.
- (ii) The non formal education centre of the department on 12th March, 1983. The centre aims at organizing a programme based on the local needs of the urban community and reaching to the educationally and economically deprived sections of community. The main components of the programmes of centre would be in Nutrition, Child care, Health, School enrolment, Sports and recreation, Income generating activities including self employed people, Vocational training in crafts, and productive use of leisure.
- (iii) The Third Year students conducted Adult Education classes in different communities of Baroda City.

Foods and Nutrition

Third Year Community Nutrition Student participated in a camp cum-discussions on nutritional requirements of children of various age groups (pregnant and lactating women) organised by Bhagini Nivedita Pratisthan Baroda Branch.

12. Please give the name, designation and date of any member of teaching staff or student expired during the year under report.

Prof. Justina A. Singh, Ex. Head, Department of Clothing and Textiles and Ex. Dean, Faculty of Home Science, M. S. University, Baroda.

CHAPTER XV

1. Participation in Professional Programme, Workshop etc.

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1		2	3
1.	Anjaria, V. N.	(i) Regional conference on "Loss Prevention at home" organised by Loss Prevention Association and Guj. Safety Council, Ahmedabad on 4-3-1983.	Speaker
		(ii) Seminar on "Disability and Rehabilitation of orthopaedic Deaf and Mute and Blind organised by World Day of Disabled Community on 27-3-83.	Chairperson
2.	Khasgiwala, Aruna	Conference on Team Approach in Mental Health organised by XXII National Conference All India occupational Therapist's Association, S.S.G. Hospital, Baroda on 8-1-1983.	Panel Speaker
3.	Navale, Anil	(i) "Block Level Planning Workshop" organised at Department of Rural Studies, South Gujarat University—Surat from 4-10-82 to 6-10-82.	Participant
		(ii) National Workshop on Youth Policy and Declaration of Indian Youth, organised by Vishwa Yuvak Kendra at Gujarat Vidyapith, Ahmedabad from 20-2-83 to 22-2-83.	Participant

1	2	3
4. Shelat, I. P. and Navale, Anil	2nd National Youth Festival held at Kevadia as resource persons organised by National Youth Project, Jaura (M. P.) where 3,500 Youth from all parts of the country participated in the programme.	Participant

2. National and International Awards and Distinctions

Sr. No.	Name of the Recipient/Teacher Non-Teacher/Student	Description of the Award
1.	Mr. Navale, Anil S.	Junior Chamber Award Outstanding Young Person of Baroda city for the year 1982.

3. Visitors

Sr. No.	Name	Designation	Date
1.	Shri Kulkarni, P. D.	U.N. Expert Social Welfare, Poona	21-7-1982
2.	Prof. Nanavaty, M. C.	Consultant on Social Welfare and Development C-99 Greater Kailas, New Delhi.	6-12-1982 to 15-4-1983
3.	Shri Jaswant Singh	T.A. Centre for Awareness Expansion, 6-A, Boat Club Road, Pune	5-7-1982
4.	Prof. Kinannen, Karl	Gerantologist MC-Master University, Hamiton, Canada.	10-12-1982
5.	Dr. Cousins, William	UNICEF Adviser, Unicef House, 73, Lodi Estate, New Delhi.	14-2-1983
6.	Dr. Goel, C. P.	Dean, Faculty of Social Work, Kashi Vidyapeeth, Varanasi.	29-1-1983

4. Any Activity in the Faculty involving innovation in teaching/research

Professor M. C. Nanavatty (Visiting Professor under U.G.C. Programme) conducted three programme during the period (December 1982 to March 1983).

- (i) Course on " Social Policy in Developing Countries of South East Asia with special reference to India " for Sr. M.S.W. Students—three lectures.

(ii) Seminar on " Staff Development " where all members of the Faculty participated. Three days camping and ten pre and posts seminar sessions.

(iii) Workshop on " Field work supervision " for faculty members and field work agency supervisor. Two days discussion and ten pre and post workshop sessions.

5. Any Programme of benefit to the Community

National Service Scheme :—

The Dean of the Faculty is the Ex-officio Director of University National Service Scheme Programme. Mr. Anil S. Navale Lecturer, works as N.S.S. Programme Co-Ordinator. Social Work approach to N.S.S. has resulted in providing a special direction to the movement.

(a)	Enrolment of students	1500
(b)	Camps students participants	670
(c)	N.S.S. Officers	15

6. Any activity of Social/Academic significance

Activities of the students Association during the year were carried out as under :—

(i)	Welcome to in coming students	25-7-1982
(ii)	Vice-Chancellor spends time with Faculty	27-8-1982
(iii)	Blood Donation Camp	24-9-1982
(iv)	Felicitation to F. W. Agency Supervisors	3-10-1982
(v)	Navratrigarba	25-10-1982
(vi)	Sports day and Musical Evening	10-3-1983
(vii)	Debate	27-3-1983
(viii)	Picnic at Fajalpur Mahisagar	20-3-1983
(ix)	Holi Colours festival	29-3-1983.

7. Shri V.T.K. Institute of rural development, Samiala

1. The Institute conducted two types of inservice training programme i.e. Social Welfare and Panchayat Raj. The Social Welfare training programmes are financed by Department of Social Welfare, Government of India and Panchayat Raj Training by the Government of Gujarat.

2. *Training :—*The group centred approach was selected to train the adult learners for their specific jobs. The training besides theory heavily depends upon practical training for technical skills, human relation skills and on field training for operational skills.

Concurrent types of field work were arranged at nearby villages during each job training course and for ten days in three to four subgroups of trainees each group was accompanied by one or two teachers.

3. *Staff development activities* :—The Teaching Staff of this Institute paid their visits to various Anganwadi workers training centres.

Mr. A. H. Pandya and Kum. Synayanaben Yagnik visited and attended Mid-Term review meeting of ICDS programme and general orientation at NIPCCD, New Delhi from 19-10-1982 to 21-10-1982. Mr. K. M. Sharma and Mr. A. H. Pandya attended at Nirmala Niketan, Bidecinol review at B.S.W Programme at Bombay from 1-7-83 and presented one paper for + 2 Programmes at Higher Secondary level or inservice training in service management courses.

4. *Significant incidents* :—Mr. V. G. Parikh, Principal, PRTC joined V.T.K. Institute in PRTC Programme from 12-3-1983 BN.

8. Visitors

The following visited the Institute on the dates mentioned against their names :—

- No. (i) Mr. Bhonsale, Dy. Secretary, Government of Gujarat, Mr. Parikh, Dy. Development Commissioner and Mr. Ladra—26-4-1982.
- (ii) Mr. M. S. Dayal, Jt. Secretary, Government of India—22-1-1983.
- (iii) Dr. Lyra Shrinivasan and Miss Liberio consultants of the National Institute of Public Cooperation and Child Development, New Delhi, 5-2-1983.
2. Dr. S. R. Yardi, Dean, Faculty of Social Work, Baroda presides over the valedictory function of the course (1-2-1982 to 1-5-1982) on 29-4-1982 and on the same farewell function of Dr. S. R. Yardi was arranged at the Institute.
3. Smt. Amitaben Verma, Dean, Faculty of Home Science, presides over the valedictory function on 12-11-1982 for the course from 23-8-1982 to 13-11-1982.
4. Professor K. M. Sharma, Dean, Faculty of Social Work and Hon. Director V.T.K. Institute presided over the valedictory function of the course from 22-11-1982 to 12-2-1982.
5. Mr. M. S. Dayal, Jt. Secretary, Government of India visited this Institute on 22-1-1983.
6. Dr. Lyra Shrinivasan and Miss Libeiro consultants of National Institute of Public Cooperation and Child Development, New Delhi, visited this Institute on 5-2-1983.

7. Willian Katz visiting Professor of Home Science faculty alongwith Dr. Yogini Pathak, Child Development Department Faculty of Home Science, Baroda visited this Institute on 14-2-1983 from 4-00 p.m. to 6-00 p.m.
8. Training consultant Dr. Amitaben Verma visited this Institute on 18-3-1983 and discussion with teaching staff was held.
9. Mr. K. K. Singh training specialist, National Institute of Public Cooperation and Child Development, New Delhi, visited this Institute and presided over the valedictory function of the course from 18-4-1983 to 16-7-1983 on 14-7-1983.

CHAPTER XVI

1. Courses of Studies

The switching over from semester system to the annual examination pattern was completed during the year 1982-83.

2. Published Articles/Papers

Name/s	Title	Name of the Journal
H. C. Dholakia	(i) Legal Education in Gujarat	J. of Bar Council of India, July, 1982
” ”	(ii) Objectives of Legal Education	Gujarat Law Herald, March, 1983

3. Published Books and Monographs

Name of the Author/s	Title of the Book/s	Name of the Publisher
H. C. Dholakia	Public International Law (in Gujarati)	Gujarat State, August, 1982.

4. Talks of academic nature given at different Universities/Professional Institutions.

Name of the Teacher	University/Institution	Title of the Lecture
Dholakia, H. C.	(i) Bhavnagar University	Constitutional Amendments
	(ii) School of Law, Gujarat University	Right to Equality
	(iii) Department of Law, Saurashtra University	Natural Law Theory

5. National and International Awards and Distinctions

Professor H. C. Dholakia has been elected to the Governing Council of the Indian Law Institute, New Delhi. He has been appointed a Member of the Expert Panel on Law by the University Grants Commission.

6. Visitors

Name	Designation	Date/s, Duration of the Visit
1. Prof. Shukla, B. M.	Director, University School of Law, Gujarat University, Ahmedabad.	9th and 10th Feb. 1983.
2. Dr. Singhvi, S. S.	Principal, Nanawati Law College, Ahmedabad.	23rd and 24th Feb. 1983.
3. Principal Mehta, Yogesh	Dean, Faculty of Law, Saurashtra University.	18th and 19th March, 1983.
4. Dr. Jain, D. C.	Head, Department of Law, Saurashtra University.	7th and 8th March, 1983.

CHAPTER XVII

1. The main work of the Institute is research and publication of important unpublished works in subjects related to Indology. In the year 1949, when the Institute was taken over by the University, it had 109 volumes in the Gaekwad's Oriental Series and 516 works in other series. At the close of the year under report the number of publications stood at 170 in the Gaekwad's Oriental Series and 634 other books in other series.

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 Gramavikasmala, (7) Shri Sayaji Balajnanamala, (8) Shri Shishujnanamala, (9) Matushri Jamnabai Smarak Granthamala.

2. 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 in the University, four members of staff of the Institute teach certain papers of the Post-graduate students in Sanskrit.

2 A. Journals published by the Institute

The following two quarterly research journals are published by the Institute:

- (i) Journal of the Oriental Institute (English),
- (ii) Svadhyaya (Gujarati).

In the year under report, nos. 3 and 4 of volume XXXI and nos. 1 and 2 of volume XXXII of the Journal of the Oriental Institute were published. Nos. 3 and 4 of volume XIX and nos. 1 and 2 of volume XX of the Svadhyaya were published.

3. Published Books and Monographs

Author	Title of the Book	Name of the publisher and year of publication
Joshi, D. S.	श्री नारायण लीलाभूत : श्री कृष्णयुवा गंगाधर युवा सारमंडणी रचित मराठी ग्रंथने अलुबाए	Shri Manharlal Nagin- das Khamaniwala, Madhi (Dist. Surat).

4. Published Articles/Papers

Name/s	Title	Name of the Journal wherein published with date of publication
1	2	3
		4
1. Kantawala, S. G.	Please see under Dept. of Sanskrit,	Faculty of Arts.
2. Vyas, R. T.	Roots of Sankara's Thought	J. of OIB, XXXII, 1-2 (Sept.-Dec. 1982 issue).
3. Bhatt, B. N.	An Analysis of the Ramayanasara-samgrahavivarana of Appavya Diksita.	
4. Joshi, P. H.	Select concents of Oriental Journals	J. of OIB, XXXI, 4, (June 1982 issue) and 1-2 of Vol. XXXII (Sept.-Dec. '82 issue)
5. Pandya, B. P.	(i) Pratahyugala-kisorastotram —A study (ii) ચરણ શરણાધિકમ અશાંતસ્ત્રોત્ર	J. of OIB XXXII, 1-2, Sept.-Dec. 1982 issue. Svadhyaaya, XX 5, Jan. 1983 issue.
	Review :	
	(1) ખલિલ જિખાન	Svadhyaaya, XX, 1, Nov. 1982, issue.
6. Wakankar, S. Y.	(i) અવ્યયાવર્ણવ સંપાદન અને અધ્યયન (ii) ભારતીય પરંપરામાં ગંજકે	Svadhyaaya, XX, 1, Nov. 1982 issue. Svadhyaaya, XX, 2, Jan. 1983 issue.
	(iii) Manuscript Writer and his Tools	CALTIS-83-Issue of the Institute of Typographical Research, Poona, Jan. 1983.

1	2	3	4
7. Joshi, D. S.	(i) વિષ્ણુદાસ રચિત રામાયણ (ii) તપાગચ્છીય દયાકુશાલને પ્રાપ્ત થયેલુ શાહી ફરમાન (iii) ગોવિંદ રચિત રઘુનાથજીનો વિવાહ (iv) મધ્યકાલિન ગુજરાતી સાહિત્યમેળે જનેતર રામકથા (v) સેવામાંથી પગટ થતી "વાસવતી કોરમ"		Svadhyaaya, XX, 1, Nov. 1982 issue. Svadhyaaya, XIX, 4, August 1982 issue Hindu-Milan Mandir, Nov. 1982-Dipotsavi issue. Manasa-Bharati, May-June '82 issue. Commemoration Volume of Ratansinh Mahida, Rajpipla, August, 1982.
8. Brahmadata and Suri, C. L.	Garh Stone Inscription of the time of Mahipaladeva-I		Epigraphia Indica, XXXIX, 1982.

5. Talks given at different professional Institution/Universities

Name	Institution/University	Title of the Lecture
1. Vyas, R. T.	(i) Sanskrit Vidvatsabha, Baroda, 23-1-1983 (ii) Aurobindo Society for Veda Parichaya, 6-2-1983	Sankara Vedanta in Brhadaranyaka (in Sanskrit) Psychological interpretation of some vedic hymns by Shri Aurobindo (in Gujarati).
2. Wakankar, S. Y.	(i) St. Xavier's College, Ahmedabad, 9-2-1983 (ii) B. J. Institute, Ahmedabad, 9-2-1983	Heroines of Kalidasa Playing Cards and Sanskrit Tradition.

6. Papers presented at Professional level Seminars Conferences etc.

Name of the Teacher	Name, place and dates of the Conference/Seminar	Title of the paper
1. Vyas, R. T.	1. Gujarat Rajya University and College Sanskrit Adhyapak Mandal, 9th session, Vallabhavidyanagar, 19th and 20th March, 1983.	Guha in Vedic Literature (In Gujarati).
2. Joshi, P. H.	Gujarat Rajya University and College Sanskrit Adhyapak Mandal, 9th session Vallabhavidyanagar, 19th and 20th March, 1983.	Paraskara-Eka Ajnata Smrtikara (in Gujarati).
3. Pandya, B. P.	(i) —do—	An Unpublished MS. of Vairagya taranga by Raghunath Bhatt.
	(ii) Gujarat Rajya University and College Sanskrit Adhyapaka Mandala, Jetalpur, 8th session, 4th to 7th April, 1982.	Caranasaranastakam Ajnata stotra (in Gujarati).
	(iii) Gujarat University and Gujarat Rajya University and College Sanskrit and Adhyapak Mandal, Ahmedabad, 2nd 3rd Oct. 1982.	Seminar on Abhyasakrama Ekatā.
	(iv) All India Oriental Conference, Jaipur, 29-31 Oct. 1982.	Prātah-yugala kisora-stotram—A study (In Classical section).
4. Wakankar, S. Y.	(i) Gujarat State Univ. and College Sanskrit Adhyapak Mandal, Jetalpur, 4-6th April, 1982.	Playing Cards and Sanskrit Ganfa Tradition.
	(ii) Gujarat Univ. and Gujarat Rajya University and College Sanskrit Adhyapak Mandal, Ahmedabad, 2nd and 3rd Oct. 1982.	Seminar on—Abhyasakrama Ekatā.
	(iii) All India Oriental Conference, 31st session, Jaipur, 29-31 Oct. 1982.	Sanskrit works on the game of Ganjipha (i.e. playing cards).
	(iv) Caligraphy, Lettering and Typography of Indic Scripts (Caltis-83) Institute of Typographical Research, Poona, 29-31 Jan., 1983.	Manuscript Writer and his tools.
	(v) Gujarat Rajya University and College Sanskrit Adhyapak Mandal, Vallabhavidyanagar, 19-20 March 1983	Some smaller Sanskrit works on the game of chess

7. Exhibitions, Performances, Demonstrations etc. at State, National and International Levels

At the invitation of Caltis 1983 (Caligraphy, Lettering and Typography of Indic Scripts), Institute of Typographical Research, Poona, the Oriental Institute arranged an exhibition of rare MSS and articles during 29-31st January, 1983 at Poona, and Sarvashri S. Y. Wakankar and N. N. Shah were in-charge of it.

8. Manuscripts Section

The section has a collection of 26,418 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsa and other classical Indian languages and in several modern Indian Languages including a few in Persian and Arabic. To these, 22 were added during the year, out of which 2 were purchased and 20 were received as gift from (1) Dr. P. P. Chandratre, Navasari, (2) Curator, Kaccha Museum, Bhuj, etc.

During the year, 35 manuscripts were lent out to other Institutions, 18 to local scholars, 1 manuscript was borrowed from other Institutions for Research purposes and 93 were issued for work on the premises of the Institute and 6,800 manuscripts were registered in the Catalogue cards' scheme.

A scheme of Preservation of Manuscripts with the subvention of Ministry of Education and Culture, Government of India, New Delhi, has been implemented. The scheme started on 26-3-1982. The work of the cataloguing scheme for the year is completed and the second instalment is awaited.

9. Printed Books Section

The Institute has a collection of 41,050 books.

(A) Books :

This year the library received a grant of Rs. 5,000/- from the University. A grant of Rs. 2,000/- was also received for purchasing books for the Vishnupurana Project. A special grant of Rs. 4,500/- was also received from the University Grants Commission, New Delhi.

The following statement gives the details of acquisition during the year :

	Books including bound periodicals	Total value Rs.
Total number of volumes of the year	40,382	4,33,435-20
Number added during the year	668	11,143-90
	41,050	4,44,579-10

Out of the total number of books added during the year, 173 were purchased at the cost of Rs. 11,143-90 and 495 books were received as gift and/or on exchange basis.

(B) *Periodicals* :

The total number of periodicals and scholarly journals subscribed for and received on exchange basis now stands at 201 (2 subscribed and 199 exchanged).

10. **Publications**

(a) *Gaekwad's Oriental Series* :

Editing and publication of books in this Series is one of the principal activities of the Institute. Uptil now 170 volumes have been published under this Series. The following works are under print :

- (1) Tattvasangraha, Vol. I—by Late Dr. Ganganatha Jha.
- (2) Sri Ganesavijaya-Kavya—Dr. B. N. Bhatt.

(b) *M. S. University Oriental Series* :

- (1) Tilakamanjarikathodddharah—by Shri N. M. Kansara.

11. **Translation Branch**

The following works are under print :

Shri Sayaji Sahityamala :

- (1) सङ्कलिते अने उद्भवदाख्य —by Late Shri K. B. Dave.

12. **Vishnupurana Project**

Collation work of three manuscripts was completed. Work on three others is on hand, while work of collection of sources, commentaries etc. on seven other texts is in progress.

13. **Visitors**

Name and Designation	Date of Visit
1. Prof. R. N. Dandekar, Emeritus Professor of Sanskrit, Poona University, Poona.	15-2-1983
2. Prof. S. A. Dange, Professor and Head, Sanskrit Department, University of Bombay, Bombay.	15-2-1983
3. Prof. Dalsukhbhai D. Malvania, Ex. Director L.D. Institute of Indology, Ahmedabad.	15-2-1983

CHAPTER XVIII

1. **Courses of Studies**

Department of Dance :

A one year Post-Diploma course in Nattuvangam was started from July, 1982.

2. **Published Books and Monographs**

Department of Drama :

Name of the Author Title of Books Publisher and Year of Publication

Kelkar, Yeshwant D.	Natya Nirmiti (in Marathi)	Parimal Prakashan, Aurangabad, June, 1982.
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3. **Talks of Academic Nature given at different Universities/Professional Institutions**

Name of the Teacher University/Institution Title of the Lecture

Department of Vocal Music :

1. Patwardhan, N. V. University of Rajasthan, Jaipur
Seminar on Vocal Music from
7th to 9th October, 1982.

Department of Dance :

2. Chandrasekhar, C. V. Rabindra Bharati University,
Calcutta, August, 1982. Abhinaya in Bharat
Natyam.

Department of Drama :

3. Kelkar, Yeshwant Applied Research and Engineer-
ing, Sangli. Planning for Action.

4. Programmes/Performances (Solo and Group)

Department of Instrumental Music :

1. Saxena, S. K. was invited by AIR to present Tabla (Solo) under the National Programme in March, 1983.

I. Department of Dance

Group Performances :

2. Chandrasekhar, C. V.,
Katpitia, N. N.,
Baruah, P. K.,
Shah, P. A. and
Natraja, R.
 - (i) Presented dance ballet *Ritu-samharam* at All India Oriental Conference, Jaipur, 28-10-1982. Director
Co-director
Dancer
Accompanist.
 - (ii) also at Gujarat Economics Conference, Baroda, 7-12-1982. —do—
 - (iii) also at Kalidas Samaroh Ujjain organised by M. P. Government, 4-12-1982. —do—
 3. Chandrasekhar, C. V.,
Katpitia, N. N.
and Natrajan, R.
 - (i) Presented 'Bhumi ja' (Dance ballet) at Shri Krishna Gana Sabha, Madras, 30-12-1982. Director
Co-Director
Accompanist.
 - (ii) also for Anjali Merh Memorial Trust at Baroda on 10-2-1983. —do—
 - (iii) also for the Department of Education, Government of Gujarat Ahmedabad, 19-2-1983.
- ##### II. Solo Performances
4. Chandrasekhar, C. V.
 - (i) All India Symposium on Corrosion of Metals Baroda in November, 1982. Dancer.
 - (ii) Karnataka Sangh Baroda in December, 1982. Dancer.
 5. Gangani Sundarlal
At the Bindadin Festival of Kathak Kendra, New Delhi presented two recitals on 17th and 18th February, 1983. Director of the dance.
 6. Shah, P. A.
 - (i) Kutchi Maldhari Lok Kala Mahotsava at Bhuj organised by I.N.T. Bombay from 21-27th February, 1983. Observer Participant at the Seminar.

- (ii) Gujarat Sangit Natak Dancer Academy, Bhavnagar. (Individual)

III. Individual Performances by Students

7. Patel, Ami (M.Mus.)
Gujarat Sangit Natak Academy
Dance Festival Ahmedabad. 19-3-1983.
8. Chandrasekhar, Chitra (B.Mus.)
 - (i) India International Centre, New Delhi. 1-10-1982
 - (ii) Jhankar, New Delhi. 2-10-1982.
 - (iii) Krishna Gana Sabha, Madras. 3-1-1983.
9. Kum. Patel, Lata (M.Mus.)
Bindadin Festival Kathak
Kendra, New Delhi. 17-2-1983.

Department of Drama :

10. Plays presented by the staff members and students of the Department of dramatics :
 - (i) *Sumanlal T. Dave* Directed by Kelkar Yeshwant and title role played by Prof. Bhatt Markand J. was presented at Rang Upvan Surat on 27-5-1982. Organised by *Rang Darshan, Surat*.

The same play was presented at Jaishankar Sundari Hall Ahmedabad on 12-10-1982 organised by Hathisingh Visual Art Centre, Ahmedabad.
 - (ii) 'Vesh of Bhavai' a bhavai was presented in English by Shri Jagdish Bhatt, Lecturer in Dramatics at 28th International College of Surgeons, Conference Ahmedabad on 29th October, 1982.
 - (iii) A mime show was presented by Shri Avantilal P. Chawla, Lecturer in Dramatics at International Mime Festival organised by School of Movement, West Virginia, U.S.A. on 10th July, 1982.
 - (iv) Shri Shah Mahesh C. Lecturer in Dramatics was invited by Door Darshan Ahmedabad to present a full length T.V. play 'Pratishodh'.

5. National and International Awards and Distinctions

Name of the Recipient Teacher/Non-Teachers/Student	Description of the Award
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Department of Instrumental Music:

1. Saxena, S. K. Awarded Gujarat State Sangit Natak Academy Award for outstanding contribution in the field of Music.

Department of Dance:

2. Chandrasekhar, C. V. Appointed member of Central Scholarship Committee of the Department of Culture, Ministry of Education and Culture.

Department of Drama:

3. Bhatt, Markand J. Awarded Munshi Premchand Award by All India Artist's Association Simla, for contribution in the field of theatre arts.

6. Visitors

Name	Designation	Date/s Duration of the Visit
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Department of Dance :

1. Bhat, G. K. Retd. Scholar September, 1982
2. Kothari, Sunil Prof. of Dance, Ravindra Bharti University, Calcutta September, 1982
3. Sinha, Bipin and Zaveri Sisters Manipuri Guru and Dancers October, 1982
4. Dave, Janak Head, Department of Drama Gujarat College, Ahmedabad
5. Thakore, Arun Eminent show organiser
6. Thakar, Dhananjay Retd. Scholar.

7. Activity in the Faculty involving innovation in teaching/research

Department of Drama :

All the students of the final year Diploma B.Mus. and M.Mus. were allotted independent productions for their tutorial test and annual practical examination. As a result 11 one act plays and 8 full length plays were presented by the students.

8. Programme for the Benefit of Community

Department of Dance :

1. Dances based on the theme of Lord Siva were presented at the E.M.E. temple Baroda for the congregation of devotees on Shivratri day.

Department of Drama :

2. Prof. Bhatt Markand J., Department of Dramatics presided and participated in the programme 'Sarjak Sathe Savar' organised by Department of Gujarati, M. S. University Baroda and Premanand Sahitya Sabha, Baroda.

CHAPTER XIX

1. Talks of academic nature given at different Universities/Professional Institutions

Name of the Teacher	University/Institution	Title of the Lecture
Shri Shukla, U. H.	Sanskrit Vidvatsabha	Sanskritaya Anivaryata

2. Exhibitions, Performances, Demonstrations etc.

(i) *Shardotsav* :

The most spectacular part of the *Shardotsav* celebration was an exhibition on various shastras like Karmakand (religious rituals) Vedanta, Jyotish etc.

(ii) *Tantra Shastra Exhibition* :

The Baroda Sanskrit Mahavidyalaya with the Co-operation of Bhuvaneshwari Jyotish Karyalaya, Baroda, organised a Tantra Shastra exhibition the first of its kind in Baroda, in Kirti Mandir Hall, from 31-3-1983 to 9-4-1983. More than 125 Tantrashastra charts focussing attention on Panchayat Dev were exhibited.

3. Faculty Publications

Name of the Journal	Name of the Editor/s	Periodicity of Publication
Surbharati	J. R. Pathak, Principal, Sanskrit Mahavidyalaya, Baroda	Yearly

4. Visitors

Name	Designation	Date/Duration of the Visit
1. Prof. S. D. Joshi	Prof. of Poona University	1- 6-1982
2. Pt. Shri Umeshwar Shastri	Badrinath Temple	16-10-1982
3. Pt. Balkrishna L. Shastri	Eminent Scholar	31- 3-1983
4. Pt. Kumaril Shukla	Eminent Scholar	31- 3-1983
5. Pt. Hariprasad Mehta	Eminent Scholar	31- 3-1983
6. Pt. Jayshankar Shukla	Eminent Scholar	31- 3-1983
7. Pt. Shankarprasad Pathak	Eminent Scholar	31- 3-1983
8. Pt. Narhari Shastri Thatte	Eminent Scholar	31- 3-1983

5. Any Programme of the Faculty for the benefit of the Community

Evening Part-time course to promote appreciation of Sanskrit language and literature and Shastras in Geeta, Yajurveda, Jyotish and Palmistry etc. amongst the people.

6. Any activity of academic/social significance organised in or by the Faculty not included under previous items

The workshop (Gnyangoshthi programme) was arranged by the teaching staff, Sanskrit Mahavidyalaya, Baroda.

CHAPTER XX

1. Activities of Academic/Social Significance organized in or by the Institution

- (1) Dr. R. G. Sharma, Lecturer in Hindi delivered a talk on "भारतीय चिंतन में धर्म का स्वरूप" on 1st September 1982
- (2) Under the auspices of Padra Jaycees, a Debate for the College Students was arranged on 14th September, 1982. on the subject આજના યુવાનો પર ક્રિસ્મની વિપરીત અસર પડે છે.
- (3) Under the auspices of Maharishi Institute of Creative Intelligence, the following lecture was arranged on 4th October, 1982 :
"A Glimpse of new technology for the full Development of Creative Mental Potential". All the students and members of the staff attended the above programme.
- (4) The Debate for the College Students was arranged on March 11, 1983 on the following subject :
માનવજીવનનું ઘડતર સંસ્કારથી જ થાય છે.

and

CHAPTER XXI

1. New Course started during the year.

Three year Diploma Course in Petrochemicals (Chem. Engg.) was started from June 1982.

2. Published books and monographs :

As a collective effort members of the teaching faculty have published " A Manual on Project Work in Electronics and Integrated Circuits ".

3. Papers presented at Professional Level Seminars, conferences etc.

<i>Name of the Teacher</i>	<i>Theme, Organiser's name, Place & Dates of the Conference/Seminar</i>	<i>Title of the paper</i>
Patel, J. T.	23rd Annual Convention of the Institute of Engineers (India) held at Ahmedabad centre on 20 Feb., 1983	" Compulsory conformance to standard "
Telpande, A. G.	Diploma level studies I.I.Ch.E. International Seminar, Calcutta, Dec., 1982	"Diploma level Studies"

4. Talks of academic nature given at different Universities/professional Institutions

<i>Name of the Teacher</i>	<i>University/Institution</i>	<i>Title of Lecture</i>
Oza, K. T., Surana, N. M., Shah, R. J., Gadhavi, S. J.	Indian Petrochemicals Corporation, Baroda	Chemical Engg. & Petrochemicals.

5. Participation in professional programme, work-shops, Summer Schools etc.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
Telpande, A. G. Oza, K. T., Gadhavi, S. J.	"Summer School in Petrochemicals. June 1982 at Kalabhavan	Participants.

CHAPTER XXII (A)

1. The Centre conducted following Short-term as well as long-term courses during the year under report.

No.	Name of the Course	M	F	Total
P.G. Certificate Course :				
1.	Industrial Purchasing and Material Management	175	07	182
2.	Marketing Management	66	—	66
3.	Industrial Management	45	—	45
4.	Hotel Management	17	23	40
5.	Adult Education Centre	230	430	660
		SC, ST, OBC		
Total		533	460	993
Short Summer Courses Year 1983 :				
1.	Fancy Cookery	04	12	16
2.	Office Management	16	04	20
3.	Photography	11	04	15
4.	Interior Decoration	26	04	30
5.	English Improvement	19	06	25
6.	Light Music	13	15	28
7.	Classical Music	13	28	41
8.	Advance Sangeet	07	09	16
9.	Batik on Textile	04	09	13
10.	Hand made Pottery	00	06	06
11.	English Improvement for slum area boys	25	—	25
12.	English Improvement for slum area boys	50	—	50
13.	Income tax, Sales tax and Central Excise	06	—	06
14.	Dress making and Indian Embroidery	—	09	09
Total		194	106	300

2. Participation in Professional Programmes, Work-shops etc.

Name of the Teacher	Theme, Organiser's name, Place and Date	Title of the Paper
Chakravorty, M.	(i) Seminar on 'Home Science in Eighties', Lady Irwin College, New Delhi, 8-10 Nov., 1982	Social change and its implications in Home Science Education.
	(ii) Seminar on 'Continuing Education, for weaker sections of the Society South Gujarat University, Surat, 27-28 Dec., 1982	Evaluation of functional literacy programme of Adivasi women and its implications in programme of planning.
	(iii) Seminar on 'Preparation of model of continuing adult education for India, University of Pune, 1-5 Nov., 1982.	Model of Continuing Adult Education.

3. Visitors :

Robert Margnert, Management specialist, January 1983.

CHAPTER XXII (B)

1. Training Programme of the Fifth Batch

The training programme of the 5th batch (consisting of 17 trainees) prior to the Preliminary Examination was concluded by 15th May, 1982.

The Preliminary Examination for selection of candidates for All India and Central Services was conducted by the Union Public Service Commission on 13th June, 1982. 17 students of the Centre from those attending the session from January, 1982 and some past students of the Centre took the examination. Six of them cleared the Preliminary Examination:

The intensive training programme for these trainees was conducted in respect of their Optional Subjects for the Main Examination.

Talks by eminent persons on topics covered under "General Studies" were also arranged.

None of the trainees of the 5th batch could clear the Main Examination.

2. New session of the Centre for coaching the trainees for the 1983 UPSC Examination VI Batch

From the 82 candidates drawn from various disciplines who had applied for admission, the Expert Panels selected 25 students as under :

Engineering	4	Agriculture	1	Medicine	2
Science	8	Arts	7	Commerce	3
Total :		25			

The new session of the 6th batch commenced from September, 1982. On an average, 15 to 20 trainees attended the centre regularly.

Arrangements for coaching in Optional subjects were finalised with the faculties concerned and coaching was arranged for the Optional subjects.

Lectures by eminent persons with specialised background in their areas were arranged for the topics under "General Studies".

A documentary film showing the working of the Union Public Service Commission from the stage of inviting applications for the UPSC Examinations

upto interviews by the Panel of members of UPSC has been purchased by the Centre and was shown to the trainees.

The session of the 6th batch commenced from September, 1982. A preparatory time of 2 weeks was given for reading for the Preliminary Examination to be held in June, 1983.

It was proposed to continue the programme of coaching for the Main Examination to be held in November, 1983, if a good number of students felt sure of clearing the preliminary examination successfully.

CHAPTER XXII (C)

During the year under review the Computer Centre received as a gift from M/s. Dinesh Mills Ltd. one IBM Key Punch Machine for the use of the Centre. This has provided additional Key Punching facilities for the users.

The Centre acquired additional peripherals by way of Discpacks and Magnetic tapes during the years.

During the year under review the Centre has made progress in actually making salary bills of more than 50% of the University and Faculty staff and it is hoped in another 4 months the salary bills of all the University staff including all establishments and institutions will be completed, provided all the faculties send their concerned staff for the work.

The Centre has been anxious to computerise examination results. Some difficulties like constant change of curriculum including introduction of new subjects, change of Heads of passing from year to year and the few number of students in a branch etc. are matters which have to be looked into, so that Computer Stationery like marksheets can economically be purchased. In case these points are not settled the use of the Computer is neither economic nor practical because the Computer system is not for use as a typewriter. The Centre has already been working on developing systems for this work and it is hoped that with co-operation from all Institutions specially with regard to a fair amount of stability of syllabi etc., the Centre would be able to give result sheets within a shorter period of time.

A number of new external users like Railway Electrification Project Unit, South Gujarat University are taking advantage of these facilities in addition to many other organisations/Institutions mentioned in the last report.

The Computer Centre is planning to offer part-time Courses of Science of areas with the appointment of a relatively Senior Staff of the Centre. The Centre is planning to offer part-time Courses of Science of areas with the appointment of a relatively Senior Staff of the Centre. The Centre is planning to offer part-time Courses of Science of areas with the appointment of a relatively Senior Staff of the Centre.

U.G.C. Committee visited the Computer Centre in the year 1982; The Inventions 1982, and a proposal for augmentation of the Computer Centre Ltd., London, 1982; the VI Five Year Plan, Development Programme was approved by J. S. Uglow, 1982; Centre has yet to hear from the U.G.C. in this regard.

The Central Processing Memory Unit of the System is 128 K. There has been a look out for expansion of C.P.U. memory facilities and the P.R.L. system is now available for transfer to another University through U.G.C. This P.R.L. system has 3 memory units of 128 K each and the Centre approached the P.R.L. and U.G.C. for giving free, one of the three 128 K Memory Units. It is hoped that the U.G.C. will approve this proposal and give one memory unit of 128 K. This will enable the system facilities for research in many areas of Science and Engineering which were hitherto difficult.

The position with respect to the staff is still acute because of salary structure vis-a-vis market demand.

Since the inception of the Centre in April, 1980 the Centre has earned from external users a total amount of Rs. 17.98 lakhs, out of which, a net saving has been Rs. 12.63 lakhs. During the year 1982-83 the net saving has been Rs. 4.84 lakhs. It is to be understood that year after year U.G.C. grant decreases as per U.G.C. stipulation and a good part of the income is to be used for the running of the Computer Centre. The savings from earning are available for the development of the Computer Centre facilities as per U.G.C. guidelines.

CHAPTER XXII (D)

During the year 1982-83, the staff members for the Health Centre consisted of one full time Medical Officer, two part-time Doctors, one Compounder, Nurse, Sanitary Inspector, Clerk, Lab.-cum-X-Ray Technician each and three Hamal-cum-Sweepers. The services of two city centres were also available till the end of this year for the employees residing in the city area. The teaching and the non-teaching employees alongwith their certified dependents were also given the benefit of free medical services at the Government Dispensaries, Jamnabai Hospital and S.S.G. Hospital, Baroda. From March, 1983 a special "Counselling-cum-Health Care Scheme" on the premises of the hostels was introduced for the benefit of residents in the Halls of Residence.

The Health Centre provided general and preliminary Health Care to the University students, staff members and their dependents. From this year, also the benefit of free medical facilities was extended to the mess servants, watchmen and other maid servants.

The Health Centre provided over and above free medical treatment, the facilities for routine laboratory investigations like of urine, stool, blood. Fluoroscopic investigation facility was also available. The facility of Mass-Miniature-Radiography (MMR) is made available with the Co-operation of District T.B. Centre, to the University employees. The facilities of Infra-red lamp, I.V. therapy, Oxygen therapy, Hot water Bag, Ice-Bag, Bed pans, urine pots, etc. were provided even for domestic use.

The members of the medical examination board for the year were M. Walker, C. Munshi, Dr. U. T. Patel and Dr. J. K. Patel. In all Donald Hall, 80 non-teaching employees were given pre-employment check-up of Science of Miniature-Radiography and urine examination was conducted by Brian ana, ed. by Brian Fat (State) Bureau entrant students of the University, for a period of six weeks in 1982; The Inventions in different specialities at the S.S.G. Hospital, Baroda. Ltd., London, 1982; were examined and 1,222 students were advised follow-up by J. S. Uglow, 1982; ailments they were suffering from.

The total attendance of the patients at the Health Centre during the year was 35,145 (The number of employees and their dependents was 29,175 and the number of students was 5,970) the average per day being 121.

The total attendance during the year at the city centre was 2,127.

The total number of different laboratory investigations was 2,474 and that for fluoroscopic investigation was 583.

The total expenditure for medicines was Rs. 84,201-69 during the year. The amount of reimbursement of medical expenses to the University employees, including special allowance to patients suffering from tuberculosis and cancer, was Rs. 38,277-43 during the year.

Rules for medical reimbursement on the lines of those existing in the Government were implemented for the non-teaching staff and their family members, covered under the Second Pay Commission's Scales of Pay. The facility of Monthly Medical Allowance of Rs. 15/- p.m. was also extended to the University employees. The necessary amendments were also made to extend the facilities of sick-leave on account of sickness of the family members and maternity leave to female employees.

1. Order Section

Acquisition Notes :(a) *Books :*

The grant of Rs. 5,00,000 sanctioned for purchase of books and journals by the University Grants Commission during the year 1982-83 from the Sixth Plan allocation is fully utilized.

The Library continued to spend the recurring grant of Rs. 25,000/- and a non-recurring grant of Rs. 1,50,000 for purchase of books and journals sanctioned by the U.G.C. for the Department of History under the Programme of Special Assistance during the Fifth Plan Period.

The non-recurring grant of Rs. 1,50,000 and a recurring grant of Rs. 20,000 per annum sanctioned for the Department of Bio-chemistry under the programme of Special Assistance Phase II for the period of five years from 1980-85 is being utilized. The noteworthy additions during the year have been: An Atlas of Mughal Empire by Irfan Habib; Karl Marx Frederick Engels, Collected Works, Vols. 1-17; Encyclopaedia of Indian Temple Architecture, ed. by M. W. Meister, 2 Vols. 1983; National Atlas of India, 8 Vols. 1982; An Encyclopedia of Indian Literature, by Ganga Ram Garg, 1982; Bibliography of Goa and the Portuguese in India by H. Scholberg, 1982; The Oxford Companion to Law, by D. M. Walker, 1980; The Oxford book of American Literary Anecdotes, ed. by Donald Hall, 1981; Biographical Memoirs of Fellows of the National Institute of Science of India Vols. 1-6, 1966-1979; The Cambridge Encyclopedia of China, ed. by Brian Hook, 1982; The Decipherment of the Indus Script, 1982, Gujarat (State) Bureau of Economics and Statistics; Statistical Atlas of Gujarat, 1982; The Inventions that Changed the World, by Readers' Digest Association Ltd., London, 1982; The Macmillan Dictionary of Women's Biography, Comp. by J. S. Uglow, 1982; In Search of Gandhi, by Richard Attenborough, 1982.

The number of acquisitions in various institutions of the University is as follows :

Institution	Number of Books
1. Smt. Hansa Mehta Library (which includes books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Centre for Continuing/ Adult Education and Community Services)	5,408
2. Faculty of Technology and Engineering	1,486
3. Faculty of Fine Arts	83
4. College of Indian Music, Dance and Dramatics	92
5. Oriental Institute (Printed Section)	668
6. Polytechnic	1,328
7. Sanskrit Mahavidyalaya	98
8. Centre of Advanced Study in Education	296
9. M. K. Amin Arts and Science College and College of Commerce, Padra	164
10. Faculty of Social Work	227
	9,850

Out of these 1,190 were received as gifts.

The following statement gives the details of the books stock of Smt. Hansa Mehta Library during the year :

	Books	Bound Vols. of Periodicals	Manuscripts	Maps, Charts, etc.	Total Value in Rs. P.
1. Number at the beginning of year	3,00,818	49,976	251	1208	1,11,05,417-26
2. Number added during the year	5,408	1,310	—	13	10,20,343-36
3. Number withdrawn from the record	—	—	—	—	—
4. Number remaining at the end of the year	3,06,226	51,286	251	1221	1,21,25,760-62

(b) Periodicals :

The total number of periodicals and scholarly journals subscribed was 730 and 1,310 volumes of bound periodicals were added to the stock.

2. Cataloguing Section

(A) Books Classified and Catalogued during the year :

(i) New accession to University Library	5408
(ii) New accession to Faculty Libraries	4442

9850

(B) Bound Periodicals Catalogued and Classified 1310

(C) Other details of the work of the section incidental to the above as follows :

	For University Library	For Faculty Library	Total
(i) Cards made out	16224	22210	38434
(ii) Cards filed in the catalogue	16224	22210	38434

3. Circulation Section

As usual the working hours of the Library for the whole academic year i April, 1982 to March, 1983 except in the months of May, June, July and August 1982 were from 8-00 a.m. to 10-00 p.m. The Library was kept open on almost all Sundays and Holidays during the year. In the months of May, June, July and August the Library remained open from 11-00 a.m. to 5-30 p.m. on weekdays and 11-00 a.m. to 3-00 p.m. on Saturdays and closed on Sunday and Holidays.

The Number of readers registered in the various categories was as follows

1. Post-graduate Students	3,495
2. Under-graduate Students	7,606
3. Research Scholars, Research Assistants and Students etc.	204
4. University Teachers	605
5. Others	90

Total 12,000

The statistics of the use of the Library are as under :

1. Daily average number of readers visiting the Library	2,500
2. Total Number of books issued per day for reading	1,392
(a) Average number of books issued per day for home reading from General Collection	279
(b) Average number of books issued per day from Curricular Collection	242
(c) Average number of books issued per day from Stacks	694
(d) Average number of books issued per day from curricular collection of the New Library	171
3. Average number of books issued per reader in the year	31

4. Reference Section

(i) Reference Service to Readers :

Reference service has been playing an important role in the academic life of the University. The Reference Section conducted number of activities such as answering queries of readers personally, by correspondence and on phone, providing guidance to students and teachers for the better use of Library's resources, etc.

(ii) Orientation Programme :

In the beginning of the academic session, the reference Section conducted an Orientation Programme intended to acquaint with and familiarize the new entrants to the working of the various sections of the Library, the various practices and procedures followed by the library, the arrangement of books on the shelves and other technical devices were 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 materials.

(iii) Exhibitions :

From time to time the Reference section puts up exhibitions of books and other reading materials on different topics suited to the occasion. During the period under review the exhibitions of books, pamphlets and photographs on the following topics and persons were arranged :

(a) Special Exhibition :

1. Vinoba Bhave.
2. World Religions.
3. Cyclone.
4. Twenty Point Programme.
5. Preservation of Food.
6. Gujarati Dramas.

(b) Weekly Exhibition :

Selected new books were displayed every week in the University Library.

(iv) Bibliographical Activity :

Bibliographies on the following topics were compiled during the period:

- (1) Moral Education.
- (2) Higher Education.
- (3) Histo-Chemistry.
- (4) Sociology of Education.
- (5) Cottage Industries.
- (6) Indian Textile.

(v) UNESCO Information Centre :

To popularise the activities of the UNO and UNESCO, a separate UNESCO Centre has been set-up in the Reference Section.

(vi) The National Library Week :

In response to the appeal of Indian Library Association regarding the celebration of the Fifteenth Library Week, the Reference Section carried out the following activities :

(i) An exhibition of books, journals, pamphlets, charts etc. on Public Libraries.

(ii) Students of the Secondary Schools of Baroda were invited in batches to visit the Library.

(vii) Theses and Dissertations :

(i) During the period 244 theses and Dissertations were added to collection of 4,337 bringing the total collection to 4,581.

(ii) During the period 1,594 readers consulted the theses and dissertations.

(iii) A descriptive list of Ph.D. Theses received in the library from January 1982 to December, 1982 was published.

(viii) Reference Material :

During the period, 1,762 readers consulted the reference books and other reference material.

(ix) Pamphlets Collection :

The reference section has a sizable collection of Pamphlets. The following statement gives the details of pamphlets collection in the Library :

(i) Number at the beginning of the year	18,679
(ii) Number added during the year	524
(iii) Number withdrawn from the record	316
(iv) Number remaining at the end of the year	18,887

5. Sri Sayajirao Memorial Trust Library

The Statistics of the use of the Library are as under :

1. Daily average number of the readers visiting the Library 1,455
2. Average number of books issued per day from Curricular Collection 177

CHAPTER XXIV

1. Staff

During the year, the Staff of the Press consisted of a Manager, a Deputy Manager, an Assistant Manager, a Head Clerk (Accounts and Stores), a clerk, one Head proof-reader, one Jr. Proof-reader and one copy Holder. There are 43 permanent workers in the Press.

2. Machinery

The Press has machinery worth Rs. 2,68,630/- including machinery worth Rs. 1,19,350/- purchased from the grant of the University Grants Commission.

3. Printing Activities

During the year 1041 plus 1431 examination papers were printed under conditions of secrecy for the University Examinations. Main answer book of the University Examination and test answer book of different Faculties and Institutions were printed. The Press also printed Syndicate and Senate proceedings, details of Establishment Annual Accounts, Annual Report, Budget Estimates, Questionnaires, Magazines, Pamphlets, Certificates, General forms, Prospectus, etc. of the Faculties and Institutions etc. of the University. The Press works 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	Publisher
1. Things-Person Orientation and Alienation	Department of Psychology
2. Hand Book Vol. I Degree course Part III Science	Faculty of Science
3. धरक विकास योजना छात्राभितेपुर तालुके अडेवा	Department of Economics
4. Statistical Summary of Medical Examination Report of the Students of M.S.U. 1977-78 and 1978-79	Faculty of Science
5. Surbharti	Baroda Sanskrit Mahavidyalaya
6. Essay on Recent Developments in Economics	Faculty of Arts

- | | |
|---|-------------------------------------|
| 7. Compendium of Research in Early Childhood Education | Faculty of Home Science |
| 8. Studies in Constitutional Law | Faculty of Law |
| 9. वैशेषिक सूत्रम् | Oriental Institute |
| 10. साङ्ख्यसिद्धि अने उद्ग मंडाल | Oriental Institute |
| 11. गणेशविनय शब्द | Oriental Institute |
| 12. Institutionalisation of an Innovation : an experience | Faculty of Education and Psychology |

(b) The following Journals were printed during the year :

1. The Journal of M. S. University of Baroda
2. The Journal of Oriental Institute
3. The Journal of Animal Morphology and Psychology (Half yearly)
4. Swdhyaya (Quarterly)
5. PAVO (Half yearly)
6. Studies in Museology (yearly)
7. Baroda Journal of Nutrition (yearly)
8. Social Work Review (yearly)
9. Surbharti (yearly)
10. M. S. Views
11. Newsletter

4. University Stationery Unit

This unit is service department of the University and is under the supervision and control of the University Press Manager. The Unit purchases and distributes Stationery every quarter to all the Faculties and Institutions and the University office. The unit consists of a senior clerk, Clerk, one Rikshaw Driver-cum-Stationery distributor and one Helper. During the year under report, the stationery articles worth Rs. 60,378-02 were purchased and stationery articles worth Rs. 7,18,795-90 were distributed.

5. University Publications Sales Unit

The unit which is under the control and supervision of the University Press Manager consists of a senior clerk, clerk and one outdoor work assistant/attender. It works as a book-shop for University Publications. The total sales during the year was Rs. 65,846-81.

CHAPTER XXV

The M. S. University Union is a corporate body of the students and teachers of the M. S. University for promoting sports, cultural and welfare activities on the campus.

1. Executive Committee

The Union Executive Committee for the year 1982-83 consisted of 1. President : Mr. R. M. Pancholi, 2. Vice-President : Mr. Rajanikant J. Darji, 3. General Secretary : Mr. Purvish C. Kothari, 4. Treasurer : Mr. R. A. Vakil and representatives of Film Club, Indoor Games Club, Hiking Club, Badminton Club, Entertainment, Public Relations, Emester, Campus Beautification, and Debates and U.N.O. Moreover four members were nominated by the M. S. University Syndicate on the Executive Committee of the M. S. University Union. The Executive Committee was further assisted by the University Board of Sports and Student's Aid Fund Committee.

General Elections were held on Wednesday, the 11th August, 1982. The President under O. 126 assigned different posts to the Secretaries according to their choice.

2. Union Activities

(i) The Union Secretaries ran the following clubs for the students and teachers :

Badminton Club, Table Tennis Club and Hiking Club. The Films Club arranged Cinema shows during the University Youth Festival week.

(ii) The University Education Department conducted the 3rd week of February, 1983. During Staff :—The Staff consists of a Director, One and Elocution and Deb), Four Instructors (Men), One Instructor (Women), One Swimming Trainer, One Boating Trainer, and One I

(iii) The Com at General Education (b) Training in Physical Education :—

(iv) The Training in Physical education was imparted to 900 Men S Tennis, Chess and 00 Women students from various Faculties and Institutions.

and Carrom fr (c) Training and Coaching in Games and Sports :—

(v) The Committee also organised Fun Fair on the 5th and 6th March, 1983 at the Union Pavilion Ground.

(vi) The Editors of the Emester arranged for the publication of KAGAZ newsheets during the university week.

The unit which is under the control and management of the Manager consists of a senior clerk, clerk and peon. It works as a book-shop for University Publications. The expenditure for the year was Rs. 65,846-81.

CHAPTER XX

1. Halls of Residence

The University being a residential University makes constant efforts to increase and improve residential accommodation for its students. At its inception in 1949, the University had accommodation for 200 men in rented buildings. There was no hostel accommodation for women students. There are now 10 Halls of Residence for men and 4 Halls of Residence for women. To meet the heavy rush for accommodation of the students and the participants of various summer schools, seminars, sports match, etc. the D. N. Hall is utilised. The general policy of the University is to distribute students from various faculties in different halls so that every hall has students from different faculties. At the end of the year under report 2661 men and 792 women were in residence in the halls as against 2674 and 757 respectively in 1981-82. The annexed table gives the breakup of these students. In the men's Halls of Residence, there is one honorary Warden and in the women's one paid full-time Superintendent who look after the residents. The administration of the Halls was carried on with the advice of the Advisory Committee of the Halls of Residence and Wardens Committee.

All the Halls have 'common rooms' which are generally used as Library-cum-reading room also. The Halls are also provided with furnished visiting rooms, as also indoor games and water coolers.

The Chief Warden's Office has a staff of 9 class III and 2 class IV employees.

2. Physical Education Department

(a) *Staff*:—The Staff consists of a Director, One Senior Instructor (Women), Four Instructors (Men), One Instructor (Women), One Hockey Coach, One Swimming Trainer, One Boating Trainer, and One Life Guard.

(b) *Training in Physical Education*:—

Training in Physical education was imparted to 900 Men Students and 900 Women students from various Faculties and Institutions.

(c) *Training and Coaching in Games and Sports*:—

- (1) Cricket (M-70 and W-20) (2) Tennis (M-30 and W-10) (3) Hockey (M-30 and W-35) (4) Football—(40) (5) Kho-Kho (M-13 and W-13) (6) Track and Field Events (M-10 and W-2) (7) Kabaddi—28 (8) Volleyball—15 (9) Basketball (M-26 and W-15) (10) Swimming (M-350 and W-225) (11) Boating (130 Members) (12) Cycling—10.

(The number in the bracket against the games indicated the regular attendance of the respective games.)

There were 401 members including Men and Women students in swimming. The special coaching was provided by the honorary coaches and Office-In-Charge in the following games and sports :—

Cricket (M and W) Football, Volleyball, Basketball (M and W) Athletics (M and W), Kho-Kho (M and W), Hockey (M and W), Kabaddi, Swimming (M and W), Boating (M and W), Shooting (M and W) by N.C.C. Tennis (M and W).

Hockey (Women) :—

The following women players represented Gujarat State Women's Hockey Team in Women's Festival held at Delhi in October 1982.

- (1) Kum. Kalpana Patel—Commerce (Captain)
- (2) Kum. Rekha Joshi—Medicine
- (3) Kum. Kalpana Bhavsar—Arts.

Swimming :—

Shri Virag Desai (Faculty of Commerce) represented Gujarat State Swimming Team in 100 Mts. Free Style; and Shri Rajendra Patel (Polytechnic) represented Gujarat State Water Polo Team in the National Trial Games held at Delhi.

Other State Level Tournaments :

Football—Runners up Mahajan Open All Gujarat Football Tournament held at Baroda.

State Tournament :—

Hockey (Women)

Winners—Open Gujarat Hockey Women's Championship held at Ahmedabad.

Swimming

The M.S.U. Swimmers (Men) participated in State Swimming Championship held at Ahmedabad and secured the following positions:

Shri Virag Desai—Commerce
 1500 Mts. Free Style —III Place in Finals
 100 Mts. Free Style —IV Place in Finals
 200 Mts. Free Style 2 —IV Place in Finals

Shri Rajendra Patel—Polytechnic

Shri Himanshu Dalal—Commerce

Qualified for Semifinals in 100 Mts. Butter-

Basketball (Men)

Participated in State Basketball Championship reached Finals.

Volleyball (Men)

Participated in State Volleyball Championship held at Rajkot in November 1982.

Athletics

University Athletic team participated in Gujarat Athletic Meet held at Gandhinagar in Jan. 1983.

Hockey (Men)

Participated in Open Gujarat Knock Out tournament held in February. Lost in semifinal. Participated in Open Inter-District Tournament held in February, and lost in Semifinal.

Local Tournament :—

Hockey (Men)

Participated in Baroda Dist. League Hockey Tournament secured 3rd Place.

Hockey (Women)

Participated in Baroda District Tournament (City of League) and finished as Runners up.

Football

Participated in Guru Ramdasji Knock Out tournament and lost in Semifinal.
 Participated in R. C. Sexena Memorial Football tournament—lost in Semifinal.
 Participated in Baroda District Football League tournament—Lost in Semifinal.

Cricket (Women)

1. Randle Cup
2. Fertilizer Tournament
3. Ghia Trophy
4. Zaveri League.

Inter Faculty Tournaments :—

Sr.No.	Game	Winners	Runners
1.	Football	Technology and Engg.	Commerce
2.	Volleyball (M)	Commerce	Science
3.	Hockey (M)	Commerce	Tech. and Eng
4.	Hockey (W)	Medicine	Science
5.	Tennis	Polytechnic	Tech. and En
6.	Cricket	Science	Law
7.	Basketball (M)		Medicine

- Athletics** Individual Championship won by Shri Sanjay Hazare Faculty of Law.
- Athletic (Women)** Overall General Championship won by Faculty of Commerce
Individual Championship won by Kum. Jacqueline Fernandez Faculty of Commerce
- Swimming** Individual Championship won by Shri Rajendra S. Patel of Polytechnic.

Achievement by Staff :—

1. Shri R. N. Thatte Director of Physical Education attended the " International Congress of Sports Science " from 14th November to 18th November, 1982 held at Patiala
2. Shri K. B. Desai was appointed and accompanied as Manager of Indian Women's Basketball Team which participated in Asian Basketball Championship held in Tokyo-Japan in May, 1982.
3. Shri Thatte, R. N. and Shri Desai, K. B. were appointed as " Technical Officials " during IX Asian Games held at Delhi in November, 1982.
4. Shri Thatte, R. N. and Shri Desai, K. B. have been appointed as members of " Sports Council ", Gujarat State.
5. Shri Rajagopalan, R. was appointed as Coach in Athletics by the Association of Indian Universities to Coach the Indian University Athletic Team for Open National Athletic Meet in September, 1982.

Talk on All India Radio :

- Thatte, R. N. —" Preparation of Asiad " 16th October, 1982—English.
- Shri Desai, K. B. —(i) ' Information about ' Asiad '—Gujarati
(ii) Preparation of Asiad about scientific equipment October 1982—Gujarati
- Smt. Katkar, S. R. —" General Information about the preparation of Asiad " —5th June 1982—Gujarati.

Highlights

(I) *Cricket (Men)* :—The following players played for team in C. K. Naidu Trophy for the year 1982-83 :

- (1) Shri Parikh, Rakesh —Technology and Engineering
- (2) Shri Dalvi, Yatin —Commerce
- (3) Shri Sinhval, Sunil —Commerce
- (4) Shri Shah, Himanshu —Science
- (5) Shri Chokshi, Sanjeev —Polytechnic

- (6) Shri Palkar, Abhay —Polytechnic
- (7) Shri Parikh, Snehal—played in the Ranji Trophy Tournament during 1982-83.

(8) Shri Ranjit award for best All-Round Cricket for 1982-83 was awarded to Shri Parikh, Snehal of Faculty of Commerce.

(II) *Kho-Kho (Women)* :—

- (i) The University Women's team won the championship in Gujarat Women's Open Hockey Tournament at Ahmedabad in December, 1982.
- (ii) Kum. Patel, Kalpana of Faculty of Commerce led Gujarat State Women's team as Captain in Women's Festival held at Delhi in October, 1982.

(III) *Hockey (Men)* :—

Shri Watts Lalit, of Faculty of Arts and Shri Parihar, Ajay of Faculty of Law represented Gujarat State for the National held at Meerut in March.

Other Important Events

(I) *Cricket (Men)* :—

The following players were selected for the Vizu Trophy.

- (1) Shri Parikh, Rakesh —Technology and Engineering
- (2) Shri Chokshi, Sanjeev —Polytechnic
- (3) Shri Jaiswal, Vijay —Arts (Reserve)

(II) *Selected for National* :—

Basketball (Men) :

The following players were selected to represent Gujarat State in the National held at Jamshedpur.

- Shri Gill, Sanjaysingh —Science
Shri Modi, Jaideep —Fine Arts

Football :

The following players were selected to represent Gujarat State in National Santosh Trophy Tournament.

- (1) Shri Gupta, Surjeet Das —Arts
- (2) Shri Bhattcharjee, Subroto —Arts
- (3) Shri Shah, Kumar —Commerce

National Cadet Corps :

1. *Units and Enrolment* :—

The enrolment of officers and cadets during the year was as under :—

Name of Unit		NCC Officers	NCC Cadets
(a)	3 Gujarat Bn NCC, Baroda	2	332
(b)	1 Gujarat Composite Tech Regt NCC, Baroda	2	160
(c)	Company, 6 Guj. Girls Bn NCC, Baroda	1	200
(d)	2 Gujarat Naval Unit NCC, Baroda	2	180
(e)	1 Gujarat Air Sqn NCC, Baroda	1	180

2. Training :—

Training of all the Units started in July, 1982 and terminated in Feb., 83. A number of Officers and cadets took part in the Directorate General Organised Camps/Courses, Annual Training Camps and Attachment with Regular Units. The highlights of training were as under :—

(a) Annual Training Camps—Attended by NCC Cadets of M. S. University :

Sr.No.	Unit	Strength	
		Officers	Cadets
(i)	3 Gujarat Bn NCC	1	80
(ii)	1 Gujarat Compo (T) Regt NCC	1	21
(iii)	Company, 6 Guj Girls Bn NCC	1	33
(iv)	2 Gujarat Naval Unit NCC	1	25
(v)	1 Gujarat Air Sqn NCC	1	92

(b) Directorate General Organised Courses/Camps :

Sr. No.	Name of Camp/Course	Number attended	
		Officers	Cadets
(i)	Basic Leadership Course SD Boys at Yelmal (Karnataka) 17 to 30 May, 1982.	1	8
(ii)	Basic Leadership Course SD Boys at Gurgaon (with Agricultural Bias) 16 to 29 Dec., 1982.	—	2
(iii)	Advance Leadership Course SD Boys at Vishakhapatnam (Naval Base) from 28 May to 17 June 1982.	—	3
(iv)	Advance Leadership Course SD Boys at Namkum (Ranchi) 4 to 24 June, 1982.	—	3
(v)	Advance Leadership Course SD Boys at Puri (Orissa) 20 May to 9 June, 1982.	—	3
(vi)	Advance Leadership Course SD Boys at ...	—	1

Sr. No.	Name of Camp/Course	Number attended	
		Officers	Cadets
(vii)	Advance Leadership Course SD Boys at Manali (Punjab) 3 to 23rd June, 1982.	—	2
(viii)	Basic Leadership Course SW Girls at Nagercoil 11 to 22 May, 1982.	—	3
(ix)	Advance Leadership Course SW Girls at Majkhali 18 May to 7 June, 1982.	—	1
(x)	Nau Sainik Camp SD Boys at Cochin 7 to 20 June 1982.	—	7
(xi)	Vayu Sainik Camp SD Boys at Dodaballapur 15 to 28 June, 1982.	—	11

(c) 11 Cadets attended the Republic Day Parade and Prime Minister's Rally on 26 January, 1983.

(d) Attachment with Regular Unit :—

Cadets were attached with the Regular Army Unit as under :—

Unit	No. of Cadets attached	Type of regular Unit
(i) 3 Guj Bn NCC	24	Army Unit
(ii) 1 Guj Compo (T) Regt NCC	4	Army Unit
(iii) 6 Guj Girls Bn NCC	4	M H Ahmedabad

3. Competitions :—

- (a) No. 1 Gujarat Air Sqn NCC Baroda was adjudged the Best Flying Squadron in the country at the Republic Day Camp held at New Delhi.
- (b) Cdt Cpl Malik Pramod of 1 Guj Air Sqn NCC was 3rd Best Air Wing Cadet at Republic Day Camp at New Delhi.
- (c) Cdt Cpl Banchal Daksha of 1 Gujarat Air Sqn. NCC adjudged 3rd Best Aeromodeller at the Aeromodelling Competition held at Republic Day Camp, New Delhi in 1983.
- (d) Cdt Sgt Alice John of 1 Guj Air Sqn NCC stood 2nd in Cross Country Competition held at Basic Leadership Course Nagercoil.
- (e) Cdt Under Officer Boney Mathew of 1 Guj Air Sqn NCC stood first in Treasure Hunt and Best All round Cadet in Advance Leadership Course at Nankum.
- (f) Cdt Sgt Mehta Asim stood 3rd Best Cadet in Vayu Sainik Camp held at Dodaballapur, Bangalore.
- (g) Cdt W/O Gaikwad Rajendra stood 2nd in Skeet shooting in Vayu Sainik Camp held at Dodaballapur, Bangalore.

(b) One male Officer and 14 Sd cadets participated in Trekking Expedition—Valley of Flowers and Memkund from 27 May to 5 June 1982.

8. Para Training :

3 NCC cadets of 3 Gujarat Bn NCC, 1 cadet of 2 Guj Naval Unit NCC and 1 cadet of 6 Gujarat Girls Bn NCC attended Para Training at Agra from 10 Sep. to 13 Oct. 1982.

9. Certificate Examinations :—

Results of certificate examinations conducted during Feb./Mar. 83 is shown as under :—

Name of Unit G Part I	Certificate Examination							
	'C' Certificate		'B' Certificate		'C' Part I Cer Exam		'G' Part Cer Exam	
	App	Pass	App	Pass	App	Pass	App	Pass
(a) 3 Guj Bn NCC	30	22	44	35	—	—	—	—
(b) 1 Guj Compo(T) Regt	08	07	20	16	—	—	—	—
(c) 1 Guj Air Sqn NCC	17	17	13	11	—	—	—	—
(d) 2 Guj Naval Unit NCC	6	5	14	11	—	—	—	—
(e) Coy at Baroda of 6 Guj. Girls Bn NCC	—	—	—	—	35	25	15	10

10. NCC Seminar :—

NCC Seminar was organised by the Group on 14 Dec. 1982.

11. Awards and Scholarships :—

Under Officer Gaekwad Prashant of 3 Gujarat Bn NCC, Senior Under Officer Mohanbir Singh of 1 Gujarat Compo Tech Regt NCC, PO Cdt Patil Sunil Aurun of 2 Guj Naval Unit NCC, CVO Gaekwad Rajendrakumar N of 1 Gujarat Air Sqn NCC and CSM Kulkarni Yashaswini of 6 Gujarat Girls Bn NCC have been awarded Chief Ministers' Scholarship at Rs. 50/- per month.

4. Students' Common Rooms

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.

A cafeteria is attached to each of the three Common Rooms. There are facilities for indoor games and for reading. Committees consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for meeting of the Students Association, Socials, Indoor games and tournaments.

5. Hobby Workshop

1. *Brief History* :—The Hobby Workshop was set up in 1961 with grants from the UGC. The following Hobbies are offered :—(1) Carpentry, (2) Assembling Electronic and Electric Appliances, (3) Music, (4) Clay Modelling and (5) Photography.

2. *Number of Students* :—Students from the several faculties and Institutions avail of facilities provided. The total number of students enrolled during the year 1982-83 was 32. They are distributed over the various hobbies as follows. 1 Carpentry 5, Assembling Electronic and Electrical Appliances 5, Music 17, Clay Modelling 5.

3. *Staff* :—The Officer-in-charge, Hobby Workshop looks after the administrative work of the Hobby Workshop. Four Part-time Instructors are appointed for each of the Hobbies of—Carpentry, Clay Modelling, Electronics and Electrical Appliances, and one for Music, One for Instrumental Music and one part-time clerk and also one Part-time peon are appointed for the administrative work of the Workshop.

6. University Employment Information and Guidance Bureau

During the year under report the Bureau continued to offer the following services for the benefit of the students :—

- (i) Registration of Post-graduate students (601)
- (ii) Submission of names of qualified applicants in different areas (2015)
- (iii) Job Placement (60)
- (iv) Supply of information, by post as well as on visit to the Bureau (3967)
- (v) Group Guidance programmes and career Talks in School (10)
- (vi) Review of Line Registers (47)

The Bureau, under a special scheme programme directed unemployed youth for training in office management, banking, accountancy management, industrial engineering, computer training and pharmacy.

7. National Service Scheme

The National Service Scheme Programme has completed 13 years of its existence. The newly enrolled 1,500 student volunteers were given a brief orientation about the different projects of N.S.S. and the learning opportunities provided by them. Particularly in the three settings, (1) Social Welfare Institution (2) Urban Slums and (3) A rural Area.

The following table gives the sex and faculty/collegewise distribution of students enrolled :

Sr. No.	Faculty/Institution	Male	Female	Total
		490	209	699
1.	Commerce	035	071	106
2.	Arts	080	030	110
3.	Science	007	010	017
4.	Fine Arts	075	009	084
5.	Technology and Engineering	100	045	145
6.	Medicine	130	—	130
7.	Polytechnic	—	008	008
8.	Home Science	100	050	150
9.	Padra College	042	013	055
10.	Senior student volunteers from different Faculties	1059	445	1504

(A) Village Development Projects :

A small village is selected in the vicinity of Baroda city. Every Sunday, a batch of students visits the village and participates in the previously planned activities.

Activities under this are in the areas of Education, Health Education and Care, Youth and Women Welfare and Festival celebrations creating durable community assets and doing socially useful productive work. Village Development Projects were conducted in 5 villages of Baroda and Vaghodia Talukas of Baroda District; Kotali, Dumad., Khatamba, Amodar and Piparia, industrial house, local Panchayats, and voluntary agencies do the follow-up.

(B) Slum Improvement Projects :

These projects are launched in five slums in North-East part of Baroda city, in collaboration with Urban Community Development Project of Baroda Municipal Corporation, covering a population of 80,000.

Students are involved in pre-school and adult education programmes, and health education and sanitation campaigns and in activating youth and women associations.

(C) Institutional Service Projects :

Baroda has a network of Social Welfare Agencies. Student volunteers opting to work for Institutional Service look after the institutions whose inmates

are visually handicapped, orphans, destitutes, deserted or emotionally disturbed. They plan and organise play centres, recreational and creative activities, excursions and educational activities. Blind inmates are helped to carry out their studies through assistance in reading and writing and by preparation of books in Braille.

Central Projects :

Students from senior classes and from disciplines such as Fine Arts, Home Science and Social Work were involved in planning and execution of this project as student leaders.

1. *Shikshan Sahay Kendra :*

This is a voluntary agency founded jointly by former volunteers of N.S.S. and citizens dedicated to the service of the community. The agency provides educational guidance to the school-going children of the poorer families of Panigate area.

Volunteers enrolled from Commerce, Science and a few from Arts who opted for this project gave coaching in important subjects. Sixty student's volunteers of N.S.S. participated as in these after-school-hour teaching programmes and more than 350 students of standards V to VIII, from the poorer families took advantage of it.

2. *Cultural Activity Projects :*

Under this project students staged plays, bhavai, etc., at Amodar, Khatamba, Khandha, Diver, Dabhasa and Luna. A full programme was staged in Vijaynagar Colony.

3. *Creative Activity Project :*

The Volunteers of the project were given training in Thread-painting, Marble-painting, Potato-painting, Stencilling, College painting, Sketching, Clay-modelling, etc.

4. *Information and Documentation Project :*

This modest project, provided a platform for exchanges between (1) N.S.S. volunteers of different projects (2) The agencies/beneficiaries and the student volunteers. (3) N.S.S. and student community and society at large. The publication of N.S.S. Forum, by the project acts as a medium.

Special events—1982-83 :

1. *A Massive Tree Plantation Campaign at Padra :*

The N.S.S. Unit of M. K. Amin Arts and Science College and College of Commerce, Padra, under the direction of the Principal undertook to plant and rear 2,000 saplings of eucalyptus tree in the college campus.

A one day training-cum-orientation camp was organised for the student-teachers of S.S.K. at V.T.K. Institute of Rural Development, Samiala, on 17th October, 1982.

3. *Inauguration of Braille Script Class :*

Volunteers of N.S.S. provide assistance to visually handicapped people in reading and writing and by preparing books in Braille Script.

A training class in Braille Scripts was initiated by N.S.S. Baroda on 6th March, 1983.

4. *One-day Surveying Camp—Kotali :*

The villagers of Kotali intend to construct a Balwadi, and a workshop for pre-school education and supplementary income programmes, respectively. The Gram Panchayat has allotted a piece of land for erecting the said structures. This land is uneven and full of small contours created by rain water. N.S.S. volunteers of Faculty of Technology and Engineering organised a one-day camp, under Mr. D. T. Shete on 6th March, 1983; the plot of land allotted for a Balwadi was surveyed.

Special Camping Programme—1982

Over and above the regular activities of N.S.S. special camping programmes were also organised during the current academic year to expose the university youth to the realities of life in rural tribal areas.

During the year 15 camps of ten days each involving 678 participants were organised. These were from different institutions of the University. Digging wells, constructions of road, sanitary facilities, laying foundations of workshops for leprosy patients and re-construction of huts for cyclone-affected people, were some of the major activities, taken up under Manual Labour Work, in these camps. Health and social education and discussions, debates were some of the educational programmes undertaken. These camps were organised in collaboration with Panchayat Machinery Development Departments of the Government, Industrial Houses and Voluntary Agencies. Planning, Co-ordination, Supervision and Execution of the Camp programmes were managed by the team of social workers in the N.S.S. Organisation, whereas the expert guidance was provided by the Hon. Director, N.S.S. and Dean, Faculty of Social Work. The details of each of these camps and the achievements thereof, can be summarised as under :

Sr. No.	Place of the Camp	Duration	Total number of participants
1.	Sindhori—I	10-4-1982 to 20-4-1982	67
2.	Sindhori—II	21-4-1982 to 1-5-1982	52
3.	Karnakuva	28-4-1982 to 8-5-1982	53
4.	Zaghadia	1-5-1982 to 11-5-1982	12
5.	Bachar	4-5-1982 to 14-5-1982	24
6.	Varasada	6-5-1982 to 16-5-1982	52
7.	Kotali	7-5-1982 to 17-5-1982	28
8.	Vadia	12-5-1982 to 22-5-1982	42
9.	Sajwa	20-5-1982 to 30-5-1982	63
10.	Bhilodiya	25-5-1982 to 4-6-1982	57
11.	Khandha	1-6-1982 to 11-6-1982	54
12.	Saidi-Vasan	8-6-1982 to 18-6-1982	55
13.	Diver	4-11-1982 to 14-11-1982	64
14.	Padra	23-11-1982 to 3-12-1982	34
15.	Kewadia	24-12-1982 to 31-12-1982	21
			678

ACHIEVEMENT OF SPECIAL CAMPING PROGRAMME—1982

Physical targets achieved in creation of durable community assets

(1)	Bavla Type Latrines	—	—	68
(2)	Soak-pits	—	—	282
(3)	Bath-rooms	—	—	279
(4)	Smokeless Ovens	—	—	350
(5)	Paniyaras	—	—	193
(6)	Ventilators	—	—	380
(7)	Construction of Huts	—	—	41
(8)	Digging of a well	—	—	19.5 Brass soil work.
(9)	Digging foundation for workshop building	—	—	37.80 Brass soil work.
(10)	Pits for Tree Plantation (1.5' × 1.5' × 1',)	—	—	2,000

FACULTY OF ARTS

No. of Students enrolled in various courses during the year 1982-83

Year/Class	Men Students	Women Students	Total No. of students
(A) Certificate			
German	169	36	205
Russian	12	12	24
French	68	36	104
Arabic	37	2	39
Persian	2	1	3
	<u>288</u>	<u>87</u>	<u>375</u>
(B) Diploma			
German	29	7	36
French	7	6	13
Russian	2	—	2
Arabic	4	1	5
Persian	1	1	2
	<u>43</u>	<u>15</u>	<u>58</u>
(C) Post Diploma			
German	2	4	6
Russian	1	—	1
	<u>3</u>	<u>4</u>	<u>7</u>
(D) Degree			
F.Y.B.A.	149	297	446
S.Y.B.A.	138	252	390
T.Y.B.A.	421	407	828
	<u>708</u>	<u>956</u>	<u>1664</u>
(E) Post-Graduate Diploma			
P.G. Diploma in Ling.	—	1	1
	<u>—</u>	<u>1</u>	<u>1</u>
(F) Post-Graduate Degree			
M.A. I	103	120	223
M.A. II	106	102	208
	<u>209</u>	<u>222</u>	<u>431</u>

(G) Ph.D.	17	7	24
(H) B. Library Science	7	22	29
(I) M.Phil. in English	—	3	3
Grand Total	1275	1317	2592

FACULTY OF SCIENCE

Diploma in Laboratory Techniques 1st Year	9	1	10
2nd Year	7	—	7
F.Y.B.Sc.	428	243	671
S.Y.B.Sc.	239	179	418
T.Y.B.Sc.	396	206	602
M.Sc. Previous	176	091	267
M.Sc. Final	149	087	236
M.Sc. (Applied Geology)	13	—	13
Post M.Sc. Dip. in Nutrition Bio-Chemistry	2	2	4
Ph.D.	45	15	60
Grand Total	1464	824	2288

FACULTY OF EDUCATION AND PSYCHOLOGY

(a) Diploma in Edul. Adm.	2	—	2
(b) Diploma in Organizational Behaviour (Psychology)	4	5	9
(c) Diploma in Clinical and Community Psychology	1	5	6
(d) Degree :			
(i) B.Ed.			
(ii) S.Y.B.A. (Psycho.)	154	94	248
(iii) T.Y.B.A. (Psycho.)	11	39	50
	13	52	65
(e) Post-graduate Degree :			
M.Ed. (Junior)	14	12	26
M.Ed. (Senior)	30	6	36
M.Ed. (Full Time)	3	11	14
M.A. Part I } Psychology	4	20	24
M.A. Part II }	3	11	14
(f) Ph.D.	5	6	11
Grand Total	237	230	467
	+7	+31	+38
	244	261	505

FACULTY OF COMMERCE

Year/Class	Men Students	Women Students	Total No. of Students
U.G. Diploma in Co-operation	5	2	7
<i>Degree :</i>			
F.Y.B.Com. 1st Year	876	762	1638
S.Y.B.Com. 2nd Year	742	600	1342
T.Y.B.Com. 3rd Year	1005	568	1573
<i>Post-graduate Diploma :</i>			
Banking	35	34	69
Co-operation	26	02	28
<i>Post-graduate Degree :</i>			
M.Com. (Previous)	473	89	562
M.Com. Part II	240	54	294
Ph.D.	01	01	02
Grand Total	3403	2112	5515

FACULTY OF MEDICINE

Year/Class	Men Students	Women Students	Total No. of Students
(a) Degree :			
1st Year	107	32	139
2nd Year	125	26	151
3rd Year	227	43	270
4th Year	80	14	94
5th Year	114	18	132
(b) Post-graduate Diploma :			
Junior }			
Senior }	159	38	197
(c) Post-graduate Degree :			
Junior }			
Senior }	28	11	39
(d) Ph.D.	6	2	8
Grand Total	846	184	1030

FACULTY OF TECHNOLOGY AND ENGINEERING

Year/Class		Men Students	Women Students	Total No. of Students
(a) Diploma :				
Textile Chemistry	I Yr.	21	1	22
	II Yr.	13	—	13
	III Yr.	15	—	15
B.Sc. (Diploma) Textile Technology	I Yr.	56	—	56
	II Yr.	13	1	14
	III Yr. (Final)	14	—	14
		16	—	16
(b) Degree :				
B.E. I (4 Years)				
Civil				—
Mechanical		136	6	142
Electrical		90	—	90
Chemical		51	9	60
		28	1	29
Metallurgy				
Electronics		40	3	43
		30	—	30
Computer				
		19	—	19
B.E. II (4 Years)				
Civil				
Mechanical		73	4	77
Electrical		102	1	103
Chemical		65	6	71
Metallurgy		30	—	30
Electronics		6	2	8
		28	1	29
B.E. III (5 Years)				
Civil				
Mechanical		79	—	79
Electrical		70	—	70
Chemical		26	2	28
Metallurgy		10	10	20
Electronics		26	—	26
		6	2	8
		—	—	—
B.E. IV (5 Years)				
Civil				
Mechanical				89
Electrical		86	3	89
Chemical		87	—	87
Metallurgy		47	8	55
Electronics		24	—	24
		27	—	27
		19	—	19
		—	3	3

Year/Class	Men Students	Women Students	Total No. of Students
B.E. III (4 Years)			
Civil	25	2	27
Mechanical	80	—	80
Electrical	23	6	29
Chemical	28	—	28
Electronics	17	3	20
B.E. V (5 Years)			
Civil	140	—	140
Mechanical	114	—	114
Electrical	51	3	54
Chemical	34	—	34
Metallurgy	34	—	34
Electronics	25	2	27
B.E. IV (4 Years)			
Civil	1	—	1
Mechanical	8	—	8
Electrical	7	—	7
Chemical	4	—	4
Electronics	7	1	8
Part-time Degree Course :			
B.E. I Year (Civil)	31	—	31
B.E. I Year (Mech.)	64	—	64
B.E. I Year (Electrical)	25	—	25
B.E. II Year (Civil)	24	—	24
B.E. II Year (Mech.)	27	—	27
B.E. II Year (Electrical)	20	—	20
B.E. III Year (Civil)	21	—	21
B.E. III Year (Mech.)	26	—	26
B.E. III Year (Electrical)	27	—	27
B.E. IV Year (Civil)	17	—	17
B.E. IV Year (Mech.)	23	—	23
B.E. IV Year (Electrical)	12	—	12
Electronics (Post B.Sc.) :			
B.E. I (Electronics)	20	2	22
B.E. II (Electronics)	28	1	29
B.E. III (Electronics)	12	4	16
Textile Engineering and Technology :			
F.Text. Engg.	29	—	29
F.Text. Tech.	17	1	18
S.Text. Engg.	17	—	17
S.Text. Tech.	28	—	28

Year/Class	Men Students	Women Students	Total No. of Students
T.Text. Tech.	32	1	33
T.Text. Engg.	29	—	29
B.Text. Engg.	34	—	34
B.Text. Tech.	38	—	38
Architecture :			
B.Arch. I Yr.	26	16	42
B.Arch. II Yr.	19	21	40
B.Arch. III Yr.	26	12	38
B.Arch. IV Yr.	24	14	38
B.Arch. V (Final Year)	27	9	36
Pharmacy :			
B.Pharm. I Yr.	14	17	31
B.Pharm. II Yr.	7	14	21
B.Pharm. III Yr.	5	21	26
B.Pharm. IV Yr. (Final)	12	17	29
(c) Post-graduate Diploma :			
Low Cost Housing	5	1	6
(d) Post-graduate Courses :			
Jr. M.E. (CME, CH, Met, & Electro.)	65	1	66
Sr. M.E. (CECH, Met, & Electro.)	40	—	40
M.Text. Engg. I Yr.	6	—	7
M.Pharm. II Yr.	5	1	5
M.Pharm. I Yr.	4	—	5
M.Sc. II Yr.	2	1	5
M.Sc. I Yr.	20	3	21
(App. Phy.) II Yr.	21	1	24
M.Sc. I Yr.	21	3	26
(App. Chem.) II Yr.	20	5	24
M.Sc. I Yr.	14	4	31
(App. Maths.) II Yr.	15	17	31
		2	17
(e) Ph.D. :			
Civil			3
Chemical	3	—	2
Electrical	2	—	1
Pharmacy	1	—	3
Applied Chemistry	2	1	10
Applied Physics	7	3	10
	9	1	

Year/Class	Men Students	Women Students	Total No. of Students
Summary :			
(a) Diploma	148	2	150
(b) Degree	2564	228	1792
(c) P.G. Diploma	5	1	6
P.G. Degree	233	38	271
(d) Ph.D.	24	5	29
	<u>2974</u>	<u>274</u>	<u>3248</u>

FACULTY OF FINE ARTS

Year/Class	Men Students	Women Students	Total No. of Students
(a) Diploma :			
Ist Year	9	7	16
2nd Year	5	3	8
3rd Year	36	7	43
4th Year	29	2	31
Old Course	5	1	6
(b) Post Diploma :			
Junior	11	5	16
Senior	16	4	20
(c) Degree :			
Ist Year	22	35	57
2nd Year	13	27	40
3rd Year	15	8	23
4th Year	15	8	23
(d) Post-graduate Degree :			
Junior	26	11	37
Senior	21	10	31
	6	4	10
(e) Ph.D.			
Grand Total	229	132	361

FACULTY OF HOME SCIENCE

Year/Class	Men Students	Women Students	Total No. of Students
(a) Under-graduate Diploma in C.D.			
I yr.	—	18	18
II yr.	—	16	16

Year/Class	Men Students	Women Students	Total No. of Students
(b) Degree B.Sc. (Home):			
1st Year	—	223	223
2nd Year	—	152	152
3rd Year	—	155	155
(c) Post-graduate Diploma in Pre-School Education:			
Junior	—	21	21
(d) Post-graduate Degree:			
Junior M.Sc. (Home)	—	44	45
Senior M.Sc. (Home)	1	53	53
(e) Ph.D.	—	29	29
Grand Total	1	711	712

FACULTY OF SOCIAL WORK

Class	Men Students	Women Students	Total No. of Students
Post-graduate Diploma in I.R. and P.M.			
Post-graduate Degree:			
Junior	13	1	14
Senior	17	14	31
	17	21	38
Total	47	36	83

FACULTY OF LAW

Year/Class	Men Students	Women Students	Total No. of Students
(A) Degree:			
1st LL.B.	700	106	
2nd LL.B.	137	139	4
LL.B. (Special)	100	12	
(B) Post-graduate Diploma:			
D.T.P.	264	32	
D.L.P.	214	16	
(C) Post-graduate Degree:			
LL.M. Part-I	36	02	
LL.M. Part-II	03	—	
Grand Total	1454	307	1761

POLYTECHNIC

Year/Class	Men Students	Women Students	Total No. of Students
(a) Diploma in Civil Engg.:			
1st Year	111	8	119
2nd Year	144	6	150
3rd Year	186	4	190
(b) Diploma in Mech. Engg.:			
1st Year	90	4	94
2nd Year	123	—	123
3rd Year	239	1	240
(c) Diploma in Elect. Engg.:			
1st Year	128	7	135
2nd Year	62	2	64
3rd Year	50	8	58
(d) Diploma in Petro-Chem. Tech.:			
1st Year	46	8	54
2nd Year	42	—	42
3rd Year	51	1	52
4th Year	51	1	52
(e) Supplementary Diploma:			
Civil Engg.	12	—	12
Mech. Engg.	14	—	14
Elect. Engg.	20	—	20
(f) Post Diploma in Ref. and Air Cond.:			
	28	—	28
V Sem. Course for H.S.C. (Std. XII) Pass Students:			
(A) Diploma in Civil Engg.:			
1st Year	64	—	64
2nd Year	97	1	98
3rd Year	71	—	71
(B) Diploma in Mech. Engg.:			
1st Year	66	—	66
2nd Year	80	—	80
3rd Year	78	—	78
(C) Diploma in Elect. Engg.:			
1st Year	74	2	76
2nd Year	30	—	30
3rd Year	37	—	37

EXTENDED DIPLOMA COURSES IN CIVIL, MECH. AND ELECT.
ENGG. (Part-time)

Year/Class	Men Students	Women Students	Total No. of Students
1st Year			204
2nd Year			174
3rd Year	203	1	136
4th Year	173	1	147
	136	—	147
	147	—	
Grand Total	2653	55	2708

SHRI M. K. AMIN ARTS AND SCIENCE COLLEGE AND COLLEGE
OF COMMERCE, PADRA

Year/Class	Men Students	Women Students	Total No. of Students
(i) Arts :			
(1) F.Y. B.A.			33
(2) S.Y. B.A.			17
(3) T.Y. B.A.	16	17	31
(ii) Commerce :			
(1) F.Y. B.Com.			629
(2) S.Y. B.Com.			260
(3) T.Y. B.Com.	513	116	830
	223	37	
	662	168	
Grand Total	1449	351	1800

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

Year/Class	Men Students	Women Students	Total No. of Students
(A) Degree :			
1st Year			41
2nd Year			37
3rd Year			20
Jr. M.Mus.	17	24	20
Sr. M.Mus.	14	23	13
	11	9	14
(B) Post-graduate Degree :			
Junior	3	10	
Senior	5	9	
(C) Ph.D.			
	3	10	13
	5	9	14
	2	3	5
Grand Total	60	97	157

SANSKRIT MAHAVIDYALAYA

Branches :

	No. of Students		Total
	Boys	Girls	
1. Madhyamik Kaksha (Diploma Courses)			
First Year	17	—	17
Second Year	8	—	8
Third Year	9	—	9
Fourth Year	4	—	4
Fifth Year	2	—	2
2. Uttam Kaksha (Degree Courses) :			
(a) Shastri (Graduate Degree)			
First Year	3	1	4
Second Year	4	—	4
Third Year	4	3	7
(b) Acharya (Post-graduate Degree)			
First Year	1	1	2
Second Year	1	—	2
3. Vachaspati (Ph.D.)	2	—	2
Grand Total	55	5	60

Statement showing the number of University Students in the academic year 1982-83

Faculties/Institutions	Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 1982-83	Grand Total 1981-82	Grand Total 1980-81
	Men	Women	Men	Women	Men	Women	Men	Women			
	1. Faculty of Commerce	714	144	2,623	1,930	66	38	3,403			
2. Faculty of Technology and Engineering	257	43	2,564	228	153	3	2,974	274	3,248	3,524	2,749
3. Polytechnic	—	—	—	—	2,653	55	2,653	55	2,708	3,113	2,559
4. Faculty of Arts	233	234	708	956	43	16	984	1,206	2,190	2,624	2,392
5. Faculty of Science	385	195	1,063	628	16	1	1,464	824	2,288	2,346	2,150
6. M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	1,449	351	—	—	1,449	351	1,800	1,946	1,393
7. Faculty of Law	39	2	937	257	478	48	1,454	307	1,761	2,434	1,167
8. Faculty of Education and Psychology	59	66	178	185	7	10	244	261	505	489	497
9. Faculty of Medicine	193	51	653	133	—	—	846	184	1,030	1,145	983
10. Faculty of Fine Arts	53	25	65	78	111	29	229	132	361	402	351
11. Faculty of Home Science	1	126	—	530	—	55	1	711	712	744	794
12. Faculty of Social Work	34	35	—	—	13	1	47	36	83	100	108
13. College of Indian Music, Dance and Dramatics	10	22	50	75	—	—	60	97	157	125	108
14. Baroda Sanskrit Mahavidyalaya	4	1	11	4	40	—	55	5	60	153	67
Grand Total	1,982	944	10,301	5,355	3,580	256	15,863	6,555	22,418	24,341	19,238

Statement showing the Growth of Student Enrolment

The University started with 2,962 students on its roll. In 1982-83 it has 22,418 University students and 1996 non-University students. The following table gives student enrolment figures for the last five years.

Year	Total enrolment	Percentage Increase/decrease
1978-79	19,247	- 1.24
1979-80	18,972	- 1.43
1980-81	19,238	+ 1.40
1981-82	24,341	+ 26.5
1982-83	22,418	- 8.6

Appendix III

Statement showing the Sex Percentage in Different Faculties

The Statement given below shows the percentage of Men and Women students in the various Faculties and Institutions of the University for the year 1970-71, 1980-81, 1981-82 and 1982-83.

Faculties	1970-71		1980-81		1981-82		1982-83	
	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9
Arts	37.5	62.5	50.0	50.0	48.4	51.6	44.93	55.07
Science	72.2	27.8	66.5	33.5	66.9	33.1	63.98	36.02
Education and Psychology	30.7	60.3	46.9	53.1	44.2	55.8	48.31	51.69
Commerce	82.6	17.4	62.7	37.3	61.3	38.7	61.70	38.30
Medicine	84.0	16.0	85.4	14.6	83.7	16.3	82.13	17.87
Technology and Engineering	97.7	2.3	96.8	3.2	92.5	7.5	91.56	8.44
Fine Arts	73.0	27.0	73.2	26.8	66.4	33.6	63.43	36.57
Home Science	0.1	99.9	0.1	99.99	0	100.0	0.14	99.86
Social Work	56.0	44.0	57.4	42.6	59.0	41.0	56.62	43.38
Law	89.5	10.5	89.8	10.2	89.6	10.4	82.56	17.44
College of Indian Music, Dance and Dramatics	44.1	55.9	45.4	54.6	40.0	60.0	38.21	61.79
Baroda Sanskrit Mahavidyalaya	80.0	20.0	62.7	37.3	88.9	11.1	91.66	8.34
Polytechnic	99.4	0.6	98.9	1.1	98.9	1.1	97.96	2.04
Shri M. K. Amin Arts and Science College and College of Commerce	90.8	9.2	82.3	17.7	81.4	18.6	80.5	19.5

Appendix IV

Statement showing the percentage of student Enrolment in the Different Faculties and Institutions in the Last Five Years

Faculty	1978-79	1979-80	1980-81	1981-82	1982-83
arts	16.1	13.7	12.4	10.8	9.8
Science	10.9	10.5	11.2	9.6	10.2
Education and Psychology	2.3	2.6	2.6	2.0	2.2
Commerce	16.3	20.3	20.4	21.3	24.6
Medicine	5.0	5.2	5.1	4.7	4.6
Technology and Engineering	16.8	17.3	14.3	14.5	14.5
Fine Arts	1.8	1.9	1.8	1.7	1.6
Home Science	4.1	4.2	4.1	5.1	3.2
Social Work	0.5	0.6	0.6	0.4	0.4
Law	7.0	6.0	6.1	10.0	7.8
M. K. Amin Arts and Science College and College of Commerce, Padra	5.0	6.6	7.2	8.0	8.0
College of Indian Music, Dance and Dramatics	0.6	0.5	0.6	0.5	0.7
Sanskrit Mahavidyalaya	0.3	0.3	0.3	0.6	0.3
Polytechnic	11.3	11.3	13.3	12.8	12.1
Total	100.0	100.0	100.0	100.0	100.0

THE MAHARAJA SAYAJIRAO

Statement showing the number of Students

Percentage of passes

1	Shri K. M. Munshi Hall	Shri Manibhai Mehta Hall	Shri Maharshi Arvind Hall	Shri Sardar Patel Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Lal Bahadur Shastri Hall	Shri Narservanji Vakil Hall	9
Arts	—	9	6	7	19	5	10	11	11
Commerce	22	18	20	28	16	22	21	20	20
Science	16	22	27	22	33	31	20	15	15
Education and Psychology	—	—	1	2	2	5	—	2	2
Technology and Engineering	118	100	100	109	121	93	67	77	77
Polytechnic	2	6	11	8	17	17	4	12	12
Medicine	15	13	11	4	11	18	15	11	11
Social Work	—	—	1	—	—	1	—	1	1
Fine Arts	3	18	5	12	7	4	9	19	19
Music	—	—	—	—	—	1	—	—	—
Law	—	6	10	2	4	5	1	3	3
Padra College	—	—	—	—	—	7	—	—	—
I.A.S.	—	—	—	—	—	—	—	—	—
Home Science	—	—	—	—	—	—	—	—	—
Total	176	192	192	194	230	209	147	171	171

UNIVERSITY OF BARODA

admitted to the Halls of Residence for 1982-1983

Shri Rabinathan Tagore Hall	Shri M. Vishvasaraya Hall	Siddharaj Jayasinh Hall	Total	V. S. Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
10	11	12	13	14	15	16	17	18	19	20	21
7	4	19	—	17	114	27	20	20	6	73	187
44	38	44	9	7	309	15	13	25	9	62	371
38	14	25	8	43	314	40	27	45	15	127	441
—	2	4	—	20	38	17	7	12	2	38	76
153	116	133	21	24	1232	23	21	27	6	77	1309
53	108	82	3	—	323	1	—	3	3	7	330
31	4	10	2	4	149	17	36	31	11	95	244
—	—	2	—	16	21	4	—	2	1	7	28
2	4	9	5	6	103	31	11	7	8	57	160
—	—	1	—	—	2	5	4	1	—	10	12
6	3	5	—	1	46	6	3	4	—	13	59
—	—	—	—	—	7	—	—	—	3	3	10
—	—	—	—	2	2	—	—	2	—	2	4
—	—	—	—	1	1	79	68	38	36	221	222
334	293	334	48	141	2661	265	210	217	100	792	3453
				+1	+27					+6	+33
				142	2688					798	3486

Appendix VI

Statement showing the percentage of students residing in the University Hostels the corresponding figures for the five years.

Year	Student residing in Hostels			Percentage of Resident students to the total Enrolment		
	Men	Women	Total	Men	Women	Total
1978-79	2,551	659	3,210	13.3	3.4	16.7
1979-80	2,588	667	3,255	13.6	3.5	17.1
1980-81	2,607	704	3,311	13.5	3.7	17.2
1981-82	2,674	757	3,431	11.0	3.1	14.1
1982-83	2,688	798	3,486	12.0	3.55	15.55

Appendix VII

Statement showing the Non-University students in the year 1982-1983

Sr. No.	Faculty/Institution	Men	Women	Total		
				1982-83	1981-82	1980-81
1	2	3	4	5	6	7
A. Diploma Courses :						
	(i) College of Indian Music, Dance and Dramatics	447	339	786	1011	864
B. Certificate Courses :						
	(i) Faculty of Arts	288	87	375	190	405
	(ii) Faculty of Fine Arts	—	—	—	—	8
	(iii) Baroda Sanskrit Mahavidyalaya	39	—	39	55	21
C. S.S.C. Courses :						
	(i) University Experimental School	433	277	710	754	739
D. Nursery Courses :						
	(i) Chetan Balwadi	16	15	31	25	128
	(ii) Kindergarten	27	27	54	60	85
Total		1250	745	1995	2095	2250

Appendix VIII

Statement showing the No. of Disabled students in various Faculties/Institutions

Faculty/Institution	Men	Women	Level	Remarks
1. Arts	1	—	M.A. I	Physically Handicapped
2. Education and Psychology	—	1	B.Ed.	Polio
3. Commerce	1	—	S.Y.Com	—
4. Technology and Engineering	2	—	B.E.I	Polio
5. College of Indian Music, Dance and Dramatics	1	—	B.E.IV	do
			B. Mus. I	Blind
			(Vocal)	
6. Baroda Sanskrit Mahavidyalaya	5	—		
Total	11	1		
Grand Total 12				

Appendix IX

Number of foreign students in the Academic year 1982-83

Level	Name of the Country	Men	Women	Total
Faculty of Arts				
	Jordan	2	—	2
F.Y.B.A.	Malaysia	—	1	1
F.Y.B.A.	Thailand	2	—	2
F.Y.B.A.	Kenya	1	—	1
S.Y.B.A.	Iran	2	—	2
T.Y.B.A.	Thai	2	1	3
T.Y.B.A.	Mauritius	—	—	—
T.Y.B.A.	Iran	1	—	1
T.Y.B.A.	Laos	1	—	1
T.Y.B.A.	Mauritius	2	—	2
M.A. I	Iran	1	—	1
M.A. I	Kenya	1	1	2
M.A. II	Iran	—	1	1
M.A. II	Thailand	1	—	1
M.A. II				
Total		16	4	20
Faculty of Science				
	Jordan	1	—	1
F.Y.B.Sc.	Iran	1	—	1
F.Y.B.Sc.	Jordan	2	—	2
S.Y.B.Sc.	Iran	4	—	4
T.Y.B.Sc.	Jordan	2	—	2
T.Y.B.Sc.	Thailand	1	1	2
T.Y.B.Sc.	Iran	2	—	2
T.Y.B.Sc.	Iran	2	—	2
M.Sc. I	Iran	2	—	2
M.Sc. II	Iran	1	—	1
Ph.D.				
Total		18	1	19
Education and Psychology				
	Thailand	—	1	1
B.Ed.	Thailand	—	2	2
M.Ed.	Mauritius	1	—	1
M.Ed.	Uganda	1	—	1
M.Ed.	Bangladesh	2	—	2
Ph.D.				
Total		4	3	7

Level	Name of the Country	Men	Women	Total
Commerce				
F.Y.B.Com.	Zambia	2	—	2
F.Y.B.Com.	Fiji	—	1	1
F.Y.B.Com.	Kenya	—	1	1
S.Y.B.Com.	Malawi	1	—	1
S.Y.B.Com.	Zambia	—	2	2
S.Y.B.Com.	Jordan	1	—	1
T.Y.B.Com.	Zambia	—	2	2
T.Y.B.Com.	Tanzania	1	—	1
M.Com. I	Zambia	1	—	1
P.G.Dip in Banking	Nigeria	1	—	1
Ph.D.	Bangladesh	1	—	1
Total		8	6	14
Technology and Engineering				
	Jordan	3	—	3
	Iran	3	—	3
	Palestine	1	—	1
	Lebanon	1	—	1
	Kenya	1	—	1
	Syria	1	—	1
Total		10	—	10
Fine Arts				
Dip. IIIrd	Mauritius	1	—	1
M.A. Five	Nepal	1	—	1
M.A. Five	Fiji	1	—	1
M.A. Five	Bangladesh	6	7	13
Total		9	7	16
Home Science				
F.Y.B.Sc.	Kenya	—	2	2
F.Y.B.Sc.	Tanzania	—	2	2
F.Y.B.Sc.	Uganda	—	1	1
S.Y.B.Sc.	Tanzania	—	1	1
S.Y.B.Sc.	Zambia	—	4	4
S.Y.B.Sc.	Fiji	—	1	1
T.Y.B.Sc.	Tanzania	—	1	1
T.Y.B.Sc.	Mauritius	—	1	1
T.Y.B.Sc.	U. K. Britian	—	2	2
M.Sc. Sr.	Thailand	—	1	1
Ph.D.	Bangladesh	—	1	1
Total		—	17	17

Level	Name of the Country	Men	Women	Total
College of Indian Music, Dance and Dramatics				
1st B.Mus.	Bangladesh	1	—	1
1st B.Mus.	Machitdus	—	1	1
2nd B.Mu.	Bangladesh	1	2	3
2nd B.Mus.	Nigeria	1	—	1
M.Mus. Sr.	Nepal	—	1	1
M.Mus. Jr.	Bangladesh	1	—	1
M.Mus.	Mauritius	—	1	1
Total		4	5	9
Grand Total		69	43	112

List of Students qualifying for Ph.D. Degree during the year 1982-83

<i>Sr.No.</i>	<i>Name</i>	<i>Subject</i>	<i>Title of the Thesis</i>
1	2	3	4
FACULTY OF ARTS			
1.	Smt. Kumud Subodh Parikh	Gujarati	Dashamskandh in medieval Gujarati literature—A comparative study.
2.	Shri P. P. George	Economics	Economics of Higher Education in Tamil Nadu.
3.	Shri Akshayakumar Vitthalnathji Goswami	Hindi	Hindi Ke Ashtachapetar Pashti-Margiya Kavi E K Vivechan.
4.	Smt. Preeti Amar Panjwani	Archaeology	Comparative study of the ceramics of Gujarat (from the beginning upto 10th Century A.D.).
5.	Shri Kisharchandra Bhanushanker Pathak	Sanskrit	Ashtadhyayi of Panini. A topic-wise analytical study.
6.	Kumari Rajani Bapusaheb Jadhav	Archaeology	Decorative motifs of Mosques of Gujarat from 14th to 16th Century A.D.
7.	Shri Nitin Shantilal Mehta	Gujarati	A study of poetic-diction of Gujarati poetry since 1956.
8.	Shri S. Raja Chandrasekar	Economics	A study of public expenditure growth among the State of India 1957-58 to 1977-78.
9.	Shri Jashavantlal Keshavlal Vyas	Hindi	Gujarat Ki Hindi Sant Kavya parampara Ki Bhumika men Shri Karunasagar Ki Hindi Ranchnaka anushilan.
10.	Shri Amini Javad Ali Akbar	Persian	Modern Persian Drama.
11.	Shri Ghanshyam Hari Ballabh Garg	Economics	Structure of Agricultural wages in Rajasthan.
12.	Shri Satish Chandra Sharma	Hindi	Adhunic Hindi gadhya sahitya me vyangya yug in sandarbh men.
13.	Kum. A. D. Saramma	Economics	Spread effects of petroleum Industry—A case study of Gujarat Refinery.

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14. Shri Bharatkumar Maganlal Naik	Gujarati	The aesthetics of the melodramatic —with reference to the Gujarati Novel.	
15. Shri Priyavadan Mahendrabhai Patel	Political Science	An issue analysis of power in an Industrial city : the issue of pollution control.	

FACULTY OF SCIENCE

16. Shri Purshotam Bhan	Chemistry	Juvenile Hormone Mimics.	
17. Shri Gopal Krishnan	Chemistry	Studies in the formation and reactions of heterochelates.	
18. Kum. Sarvepalli Shyamala	Botany	A comparative study of the photo synthetic metabolism of c3 and c4 plants under water stress.	
19. Shri M. Satyanarayana Swamy	Zoology	Certain physiological and Endocrine aspects of tail regeneration in the scincid Lizard <i>Ma buby carinata</i> .	
20. Shri Dilipkumar D. Vyas	Physics	Study of diglycinesulfate and triglycine sulfate single crystals.	
21. Shri T. Y. John	Botany	Studies on the conversion of cassava meal into single cell protein by <i>candida Tropicalis</i> .	
22. Shri Subhash N.	Botany	Physiology of germination of paddy (<i>aryza sativalvar Bhura Rata</i>) under saline condition.	
23. Shri Adarsh Kikabhai Dalal	Chemistry	Synthesis and characterization of Ion-Exchange resins.	
24. Shri T. K. Balachandran	Botany	Ecological studies on sunflower (<i>Helianthus Annuus linn</i>) and Niger (<i>Guizatia Abyssinica</i>) with emphasis on their productivity.	
25. Shri Veejendra Kumar Yadav	Chemistry	Studies in Terpenes.	
26. Shri Banwarilal Ramgopal Mishra	Geography	The commerce of Broach upto 1815.	
27. Kumari Bina Jamnadas Mehta	Micro-biology	Protease and regulation of carotenogenesis in <i>Blakeslea trispora</i> .	

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28. Shri Anilkumar Dattatraya Dixit	Physics	Excitation and Emission spectra of Thallium-doped potassium bromide.	
29. Shri Varghese Thomas T.	Botany	Effect of ultrasonic irradiation of seeds of <i>phaseolus Aureus</i> Roxb on Germination and Growth of seedlings.	
30. Shri Chandra Shekhar Nautiyal	Micro-biology	Studies on some biochemical aspect to <i>Rhizobium</i> sp.	
31. Shri Narendra N. Thaker	Chemistry	Studies in the synthesis of liquid crystals.	
32. Kum. Shakuntala G. Nene	Physics	Study of spectra of some Diatomic Molecules (Cu, Br, AgBr and MgBr).	
33. Shri Narendra A. Patil	Physics	Excitation and emission spectra of variously pretreated strontium and lead doped potassium chloride phosphors.	
34. Smt. Shilpa Jagdeep Buch	Micro-biology	Studies on Pigmentation in <i>serratia Marcescens</i>	
35. Kumari Anjali R. Shah	Bio-Chemistry	Repair processes in radiation resistant micro organisms.	
36. Shri Jottun Leckram S.	Geology	Geological and Geomorphological studies on the West coast between Tithal and Dahanu with special reference to the recent sedimentation processes and evaluation of Terrain Attributes.	
37. Shri Maheshkumar Vishnuprasad Vyas	Chemistry	Studies on Amphoteric Exchangers.	
38. Shri Chelluri B.S. Dutt	Botany	Studies in Chemical Systematics of Fabaceae and Lamiaceae.	
39. Shri N. Narayanan	Micro-biology	Studies on the production of sclerotia by antibiotic producing chainiae	
40. Shri Raj Tej Jai Ram Verma	Zoology	Studies on Histophysiological and Biochemical changes in Liver and certain other tissues of Bilaterally vagotomized pigeons.	

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41. Kum. Charumitra D. Patel	Zoology	Certain investigations on the involvement of pineal in general metabolism and seasonal physiology of the Feral blue rock pigeon columba livia.	
FACULTY OF EDUCATION AND PSYCHOLOGY			
42. Kum. Darothy Lali Charles	Education	Developing languages skills in adults attending English improvement Courses.	
43. Shri Satender Kumar	Education	An investigation into the Questioning patterns of the Social Studies and Science teachers in the English Medium Schools.	
44. Shri Sudhakar Ganesh Pai	Education	Preparation and tryout of curriculum in environmental studies leading to life long education for college students.	
45. Shri Ramnauth Dev Banshlal	Education	The spiritual element in the Educational Philosophy of Mahatma Gandhi.	
46. Shri G. Saratchandra Raj	Education	Attitudes and values of teachers in the context of Socio-Cultural background, a comparative study of expatriate Indian and native teachers of Ethiopia.	
47. Shri Om Datta Tripathi	Education	A study of student activism in a University.	
48. Shri Narendra Singh	Education	A study of the Administrative problems of affiliated colleges.	
49. Smt. Nirmala Agarwal	Psychology	A study of factors related to career maturity of school students.	
50. Shri Rajeeva N.	Education	A study of Achievement motive : its correlates and performance of IX grade pupils of Secondary School of Bangalore.	
51. Shri Abhay Hariprasad Trivedi	Education	A study of leadership behaviour and innovation proneness in the Higher Secondary Schools of Saurashtra.	

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52. Shri Man Mohanlal Malhotra	Education	Effects of systematic approach to instruction in Mechanics of structure on the achievement transfer of learning motivation study habits and attitudes of Polytechnic students.	
53. Shri Dev Raj Goel	Education	A study of school broadcast in India	
54. Shri Jayantilal Nagardas Adeshra	Education	Developing instructional skills in Teachers using auto-instructional material and using micro-teaching approach under simulated condition and real situation—A comparative study.	
55. Shri Rajendra Prasad Jain	Education	A study of cosip and cohssip sponsored by U.G.C. in selected colleges in India.	
56. Shri S. Bhaskara	Education	A study of the effectiveness of verbal creativity instructional Materials of School stage.	
57. Shri Jagdishchandra Bhailal Patel	Psychology	An investigation to study motives concerns and fear of failure of ideationally conformist and deviant University students.	
58. Shri M. J. Ravindranath	Education	Development of multimedia instructional strategy for teaching science (Biology) at Secondary school level.	
59. Smt. Renu Goswami	Education	An enquiry into reading interest of pupils of standards-VIII to X in relation to intelligence S.E.S. and academic achievement.	
60. Shri W. A. F. Hopper	Education	An experimental study in the use of modular approach for teaching Biology in standard XI.	
61. Shri Devendra Kumar Sharma	Education	A study of Management of education systems with special reference to decision making and organizational health.	

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62. Smt. Avinash Grewal	Education		A study of hypothesis making and hypothesis testing ability in Science in relation to intelligence creativity and Socio-economic status.
63. Shri Kanakamedala Nageswara Rao	Education		Factors influencing the choice of courses at higher secondary level.
64. Kum. Manjit Kaur Chanan Singh Kaura	Psychology		A study of some factors in crisis experience and adjustment problems of the physically disabled people.
65. Shri P. Narayana Menon	Education		Performance of students at Polytechnics in relation to their academic achievements, intelligence differential aptitudes adjustment and aspiration level.
66. Shri Dig Vijai Singh	Education		A critical study of adult education programme in the State of U.P.
67. Shri Krishna Chandra Bastia	Education		A study of the National adult education programme in tribal region of Orissa State.
68. Shri Md. Narul Islam	Education		Education as an agent of Social Change (A study of some villages in Bangladesh.)
69. Shri Vasant Dattatraya Bhat	Education		A study of the effects of simulation of performance of teacher trainees in educational psychology.

FACULTY OF COMMERCE

70. Shri Abhinaya Chandra Saha	Accounts		Study of some problems of working capital Management in the Jute Mills of Decca Zones Bangladesh.
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FACULTY OF MEDICINE

71. Shri Madhusudan Dershanker Jani	Bio-Chemistry		Role of Quinazoline Derivatives in cell Metabolism.
72. Smt. Ranjit Kaur	Bio-Chemistry		Metabolism of Glycoproteins.

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FACULTY OF TECHNOLOGY AND ENGINEERING

73. Shri Sur akant V. Vaishna	Civil Engineering		Behaviour of reinforced concrete Beam-columns under Biaxial loading
74. Shri Bhoopendra N. Rath	Applied Chemistry		Trace Elements in the Environment.
75. Shri N. S. Sunder Murti	Metallurgy Engineering		Studies on Pelletization carb thermic reduction and up grading of chromite.
76. Shri Rakesh Kumar Jain	Applied Chemistry		Studies on the substituted cinnamohy-droxamic acids and their analytical applications.
77. Shri Kamalakar Pundalik Dhake	Applied Physics		Thermoluminescence of NaCl :Ca and its application in Radiation Dosimetry.
78. Shri Parimal Jyoti Roy Chowdhary	Metallurgy Engineering		Dissolution characteristics of Iron Alloys in Molten Zinc.
79. Shri Lakho Jassumal Bhagia	Applied Physics		Optical study of Dissolution and Micro identification Hardness of caliete cleavages.
80. Shri Nilesh Dixit	Applied Chemistry		Studies on Thermotropic liquid crystals.
81. Shri Ashokkumar K. Shah	Pharmacy		Studies on the analysis of some important medicinal Agents.

FACULTY OF HOME SCIENCE

82. Smt. N. Kamamma	Home Management		Development of Techniques for Establishing Time Norms of Household work of Rural Families.
83. Smt. Sunanda M. Phadke	Clothing and Textiles		A study of the effect of thermoplastic and thermosetting finishes on some physical properties of cotton and Polyester blend fabrics.
84. Smt. Veena S. Gandotra	Home Management		Management problems and practices of Home makers with Disabled members in the Family.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
14. Visharad	4	45	2	3	3	3	—	—	—	1	1	—	—	—	—	—	1	33.33%
15. Library Science	45	11	414	201	615	43	—	—	—	—	—	—	3	10	13	26	26	61.90%
16. F.Y. B.Sc.	626	14	432	202	634	—	91	62	67	220	—	—	57	58	27	142	362	59.83%
17. S.Y. B.Sc.	648	14	325	164	489	13	65	109	47	234	7	65	57	27	156	390	74.31%	
18. T.Y. B.Sc.	501	12	325	164	489	13	65	109	47	234	7	65	57	27	156	390	79.91%	
19. M.Sc. (Previous)	259	6	166	87	253	—	—	—	—	176	176	—	—	30	30	206	81.42%	
20. M.Sc. (Final)	209	4	117	88	205	8	38	37	9	92	8	40	40	33	1	82	174	84.89%
21. M.Sc. (Applied Geology)	7	—	7	—	7	1	—	—	—	2	3	—	—	—	—	3	3	100%
22. Dip. in Laboratory Tech.	6	—	6	—	6	—	—	4	2	6	—	—	—	—	—	—	6	100%
23. Diploma in Education Adm.	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	2	2	100%
24. B.Ed.	205	—	90	115	205	—	6	48	13	67	—	26	72	2	100	167	89.30%	
25. M.Ed.	27	5	16	7	23	—	1	13	—	13	—	1	1	2	4	17	85.00%	
26. F.Y. B.Com.	2289	22	1450	817	2267	—	72	224	335	631	—	65	162	218	445	1076	47.87%	
27. S.Y. B.Com.	2509	65	1642	802	2444	—	—	—	—	723	732	—	—	802	802	1525	62.60%	
28. T.Y. B.Com.	1630	102	1020	508	1528	11	150	347	195	703	2	83	198	171	454	1157	75.97%	
29. T.Y. B.Com. O. Com.—25	—	—	—	—	—	—	—	—	—	5	5	—	—	—	—	5	5	100%
30. T.Y. B.Com. O. Com.—27	—	—	—	—	—	—	—	2	1	3	—	—	—	—	—	3	3	100%
31. M.Com. Part—I	321	57	206	58	264	—	—	—	—	194	194	—	—	58	58	252	95.05%	
32. M.Com. Part—II	111	17	76	18	94	—	3	34	13	50	—	—	15	6	21	71	71	71.04%
33. P.G. Dip. in Banking	52	3	17	32	49	—	4	7	3	14	—	5	12	9	25	40	40	82.00%
34. P.G. Diploma in Co-operation	22	8	14	—	14	—	—	—	—	7	7	—	—	—	—	7	7	50%
35. U.G. Dip. in Co-operation	3	—	3	—	3	—	—	—	—	3	3	—	—	—	—	3	3	100%
36. M.D.	35	4	28	3	31	—	—	—	—	22	22	—	—	1	1	23	23	74.02%
37. M.S.	15	1	12	2	14	—	—	—	—	7	7	—	—	1	1	8	8	57.14%
38. M.Sc. Medical Part—I	4	1	12	2	14	—	—	—	—	1	1	—	—	2	2	3	3	75.00%
39. M.Sc. Medical Part—II	5	—	2	3	5	—	—	—	—	1	1	—	—	3	3	4	4	80.00%
40. I. M.B.B.S.	37	2	29	6	35	—	—	—	—	23	23	—	—	6	6	29	29	78.00%
41. II. M.B.B.S.	30	—	27	3	30	—	—	—	—	21	21	—	—	2	2	23	23	79.30%
42. III. M.B.B.S.	34	—	31	3	34	—	—	—	—	24	24	—	—	3	3	27	27	79.41%
43. F.Y. Physiotherapy	28	—	1	27	28	—	—	—	—	—	—	—	—	21	21	21	21	74.94%
44. S.Y. Physiotherapy	29	—	—	29	29	—	—	—	—	—	—	—	—	29	29	29	29	100%
45. T.Y. Physiotherapy	21	—	—	21	21	—	—	—	—	—	—	—	—	4	4	4	4	100%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
46. D.A.	3	3	—	—	—	3	—	—	—	—	1	—	—	—	—	2	2	3	100%
47. D.L.O.	3	3	—	—	—	3	—	—	—	—	2	—	—	—	—	—	—	2	66.66%
48. D.M.R.D. Part—I	1	1	—	—	—	1	—	—	—	—	2	—	—	—	—	—	—	1	100%
49. D.M.R.D. Part—II	1	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	100%
50. D.C.H.	2	2	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	2	100%
51. D.V.D.	3	3	—	—	—	3	—	—	—	—	3	—	—	—	—	3	3	100%	
52. T.D.D.	1	1	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100%
53. D.C.P.	1	1	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100%
54. D.G.O.	2	2	—	—	—	2	—	—	—	—	1	—	—	—	—	—	—	2	100%
55. D.I.H.	1	1	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100%
56. I Sem. B.Pharm. I	3	3	—	—	—	3	—	—	—	—	1	—	—	—	—	—	—	1	100%
57. II Sem. B.Pharm. I	27	—	—	—	—	27	—	—	—	—	1	—	—	—	—	—	—	1	100%
58. II Sem. B.Pharm. II	29	—	—	—	—	29	—	—	—	—	5	2	14	11	3	20	25	100%	
59. II Sem. B.Pharm. III	36	—	—	—	—	36	—	—	—	—	6	6	11	6	17	17	27	100%	
60. I Sem. B.Pharm. IV	4	—	—	—	—	4	—	—	—	—	22	56	29	1	4	6	35	97.02%	
61. II Sem. B.Pharm. IV	34	—	—	—	—	34	—	—	—	—	2	12	17	2	14	2	2	50%	
62. I Sem. M.Pharm. I	1	—	—	—	—	1	—	—	—	—	2	—	—	—	—	—	—	2	100%
63. II Sem. M.Pharm. I	3	—	—	—	—	3	—	—	—	—	1	—	—	—	—	—	—	1	100%
64. II Sem. M.Pharm. II	3	—	—	—	—	3	—	—	—	—	1	—	—	—	—	—	—	1	100%
65. S.S. of B.E. I Electro.	20	—	—	—	—	20	—	—	—	—	3	—	—	—	—	—	—	15	93.75%
66. F.S. of B.E. II Electro.	3	—	—	—	—	3	—	—	—	—	8	—	—	—	—	—	—	3	100%
67. S.S. of B.E. II Electro.	19	—	—	—	—	19	—	—	—	—	2	2	—	—	—	—	—	19	100%
68. F.S. of B.E. III Electro.	4	—	—	—	—	4	—	—	—	—	5	12	—	—	—	—	—	2	50%
69. S.S. of B.E. III Electro.	21	—	—	—	—	21	—	—	—	—	2	19	—	—	—	—	—	19	90.48%
70. M.E. I (Civil)	6	—	—	—	—	6	—	—	—	—	2	2	—	—	—	—	—	2	40.00%
71. M.E.—I (Mechanical)	2	—	—	—	—	2	—	—	—	—	1	—	—	—	—	—	—	1	50%
72. M.E.—I (Electrical)	3	—	—	—	—	3	—	—	—	—	1	—	—	—	—	—	—	1	33.33%
73. M.E.—II (Civil)	16	—	—	—	—	16	—	—	—	—	14	14	—	—	—	—	—	14	100%
74. M.E.—II (Mechanical)	15	—	—	—	—	15	—	—	—	—	14	14	—	—	—	—	—	14	100%
75. M.E.—II (Electrical)	7	—	—	—	—	7	—	—	—	—	4	4	—	—	—	—	—	4	100%
76. M.E.—II (Metallurgy)	5	—	—	—	—	5	—	—	—	—	4	4	—	—	—	—	—	4	100%
77. M.E.—III (Civil)	8	—	—	—	—	8	—	—	—	—	6	—	—	—	—	—	—	6	85.71%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
76. II Sem. of B.E. II (CME; Chem; Met.)—5 Yr.			45	4	41	—	41	—	—	—	16	16	—	—	—	—	—	16	41.02%
77. I Sem. B.E. III (CME; Chem; Met.)—5 Yr.			252	6	232	14	246	—	—	—	173	173	—	—	13	13	186	75.61%	
78. II Sem. B.E. III (CME; Chem; Met.)—5 Yr.			53	1	48	4	52	—	—	—	24	24	—	—	3	3	27	51.92%	
79. I Sem. of B.E. IV (CME; Chem; Met.)—5 Yr.			320	6	307	7	314	—	—	—	264	264	—	—	5	5	269	85.67%	
80. II Sem. of B.E. IV (CME; Chem; Met.)—5 Yr.			33	5	28	—	28	—	—	—	17	17	—	—	—	—	17	60.71%	
81. I Sem. of B.E. V (CME; Chem; Met.)—5 Yr.			403	2	396	5	401	—	—	—	383	382	—	—	5	5	387	96.51%	
82. II Sem. of B.E. V (CME; Chem; Met.)—5 Yr.			6	—	6	—	6	1	—	3	—	4	—	—	—	—	4	66.66%	
83. I Sem. of B.E. IV Final Year—PTD			8	2	6	—	6	—	—	—	5	5	—	—	—	—	5	98.00%	
84. II Sem. of B.E. IV Final Year—PTD			48	3	45	—	45	13	9	17	2	41	—	—	—	—	41	91.01%	
85. I Sem. of B.E. I (CME; Chem; Met.)—4 Yr.			447	1	421	25	446	—	—	—	282	282	—	—	16	16	298	67.72%	
86. II Sem. of B.E. I (CME; Chem; Met.)—4 Yr.			61	4	54	3	57	—	—	—	29	29	—	—	1	30	30	52.63%	
87. I Sem. of B.E. II (CME; Chem; Met.)—4 Yr.			333	2	317	14	331	—	—	—	253	253	—	—	13	13	264	79.75%	
88. II Sem. of B.E. II (CME; Chem; Met.)—4 Yr.			29	1	27	1	28	—	—	—	10	10	—	—	1	1	11	39.29%	
89. I Sem. of B.E. III (CME; Chem; Met.)—4 Yr.			190	—	180	10	190	—	—	—	159	159	—	—	10	10	169	88.88%	
90. I Sem. of B.E. IV (Final) (CME; Chem; Met.)—4 Yr.			29	—	28	1	29	—	—	—	28	28	—	—	1	1	29	100%	
91. II Sem. of B.E. III (CME; Chem; Met.)—4 Yr.			1	—	1	—	1	—	—	—	1	1	—	—	—	—	1	100%	
92. I Sem. F. Text. (Engg. and Tech.)			59	2	56	1	57	—	—	—	42	42	—	—	1	1	43	91.48%	
93. II Sem. of F. Text. (Engg. and Tech.)			3	—	3	—	3	—	—	—	2	2	—	—	—	—	2	75.00%	
94. I Sem. of S. Text. (Engg. and Tech.)			43	—	43	—	43	—	—	—	38	38	—	—	—	—	38	88.30%	
95. II Sem. of S. Text. (Engg. and Tech.)			12	3	9	—	9	—	—	—	6	6	—	—	—	—	6	66.66%	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
96. I Sem. of T. Text. (Engineering)			30	—	30	—	30	—	—	—	—	24	24	—	—	—	—	24	80.00%
97. II Sem. of T. Text. (Engineering)			5	—	5	—	5	—	—	—	—	2	2	—	—	—	—	2	40.00%
98. I Sem. of T. Text (Technology)			34	1	33	—	33	—	—	—	—	32	32	—	—	—	—	32	96.96%
99. II Sem. of T. Text. (Technology)			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100%
100. I Sem. of B. Text. (Engg.)			35	1	34	—	34	—	—	—	—	29	29	—	—	—	—	29	85.23%
101. II Sem. of B. Text. (Engg.)			2	1	1	—	1	—	—	—	—	1	1	—	—	—	—	1	50.00%
102. I Sem. of B. Text. (Tech.)			39	—	39	—	39	—	—	—	—	36	36	—	—	—	—	36	92.30%
103. II Sem. of B. Text. (Tech.)			2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	100%
104. I Sem. of B. Arch. I			38	—	23	15	38	—	—	—	—	24	24	—	—	14	14	38	100%
105. II Sem. of B. Arch. I			3	1	—	2	2	—	—	—	—	—	—	—	—	2	2	2	75.00%
106. I Sem. of B. Arch. II			40	1	19	20	39	—	—	—	—	15	15	—	—	15	15	30	76.76%
107. II Sem. of B. Arch. II			7	—	5	2	7	—	—	—	—	4	4	—	—	1	1	5	71.42%
108. I Sem. of B. Arch. III			39	—	27	12	39	—	—	—	—	19	19	—	—	12	—	31	79.40%
109. II Sem. of B. Arch. III			4	—	3	1	4	—	—	—	—	2	2	—	—	—	—	2	50.00%
110. I Sem. of B. Arch. IV			38	—	21	17	38	—	—	—	—	21	21	—	—	16	16	37	98.02%
111. II Sem. of B. Arch. IV			3	—	2	1	3	—	—	—	—	2	2	—	—	1	1	3	100%
112. I Sem. of B. Arch. V			38	1	25	12	37	—	—	—	—	23	23	—	—	12	12	35	94.06%
113. II Sem. of B. Arch. V			7	—	6	1	5	—	—	—	—	3	3	—	—	1	1	4	80.00%
114. I Sem. of P.G. Dip. in Low Cost Housing			5	—	3	—	3	—	—	—	—	1	1	—	—	—	—	1	33.33%
115. I Sem. of B.E. I (Electronics)			23	1	20	2	22	—	—	—	—	18	18	—	—	2	2	20	91.80%
116. II Sem. of B.E. I (Electronics)			1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	1	100%
117. I Sem. of B.E. II (Electronics)			33	1	30	2	32	—	—	—	—	22	22	—	—	1	1	23	71.88%
118. II Sem. of B.E. II (Electronics)			4	—	2	—	4	—	—	—	—	2	2	—	—	—	—	2	50.00%
119. I Sem. of B.E. III (Electronics)			19	—	14	5	19	—	—	—	—	14	14	—	—	4	4	18	94.94%
120. II Sem. of B.E. III (Electro.)			4	2	2	1	2	—	—	—	—	1	1	—	—	—	—	2	50.00%
121. I Sem. of B. Pharm. I			26	—	11	15	26	—	—	—	—	8	8	—	—	13	13	21	80.76%
122. I Sem. of B. Pharm. II			23	—	8	15	23	—	—	—	—	7	7	—	—	13	13	20	91.81%
123. I Sem. of B. Pharm. III			26	—	6	20	26	—	—	—	—	4	4	—	—	20	20	24	92.30%
124. I Sem. of B. Pharm. IV			29	—	12	17	29	—	—	—	—	11	11	—	—	17	17	28	99.00%
125. II Sem. of B. Pharm. IV			3	—	3	—	3	—	—	—	—	1	1	—	—	2	2	32	66.66%
126. M.E.—I			69	13	54	2	56	—	—	—	—	—	—	—	—	2	2	34	60.71%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
127. M.E. II (C-1, M-1, E-2, P-2)			6	2	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
128. M.E. III (C-13, M-11, E-08, P-5)	37	—	37	—	37	—	37	—	—	—	24	24	—	—	—	—	—	24	96.00%
129. M.E. IV (C-5, M-2, E-2)	9	—	9	—	9	—	9	—	—	—	—	8	—	—	—	—	—	8	88.88%
130. M.Text.—I	7	—	7	—	6	—	7	—	—	—	6	6	—	—	—	—	—	7	100%
131. M.Text.—II	1	—	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
132. M.Text.—III	5	—	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4	80.00%
133. M.Text.—IV	3	—	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
134. I Sem. of M.Pharm. I	5	—	5	—	4	—	4	—	—	—	3	3	—	—	—	—	—	4	75.00%
135. I Sem. of M.Pharm. II	5	—	5	—	2	—	3	—	—	—	2	2	—	—	—	—	—	3	100%
136. I Sem. of F.Y.B.Sc. (Tech. Chem.)	20	1	18	—	18	—	19	—	—	—	15	15	—	—	—	—	—	15	83.33%
137. II Sem. of F.Y.B.Sc. (Tech. Chem.)	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	95.00%
138. I Sem. of S.Y.B.Sc. (Tech. Chem.)	19	—	19	—	19	—	19	—	—	—	16	16	—	—	—	—	—	16	84.22%
139. I Sem. of T.Y.B.Sc. (Tech. Chem.)	18	—	18	—	18	—	18	—	—	—	17	17	—	—	—	—	—	17	94.94%
140. I Sem. of M.Sc. (Applied Chem.)	26	—	20	—	5	—	25	—	—	—	13	13	—	—	—	—	—	16	64.00%
141. III Sem. of M.Sc. (Applied Chem.)	24	2	19	—	4	—	23	—	—	—	19	19	—	—	—	—	—	23	100%
142. I Sem. of M.Sc. (Applied Physics)	18	1	17	—	17	—	17	—	—	—	13	13	—	—	—	—	—	13	76.47%
143. II Sem. of M.Sc. (Applied Physics)	4	—	4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	76.75%
144. III Sem. of M.Sc. (Applied Physics)	20	1	16	—	3	—	19	—	—	—	11	11	—	—	—	—	—	14	73.07%
145. I Sem. of M.Sc. (Appl. Maths)	31	2	13	—	16	—	29	—	—	—	9	9	—	—	—	—	—	20	88.96%
146. II Sem. of M.Sc. (Appl. Maths)	2	1	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	50%
147. III Sem. of M.Sc. (Appl. Maths)	13	2	12	—	1	—	11	—	—	—	8	8	—	—	—	—	—	9	81.81%
148. Ist LL.B.	278	57	216	—	221	—	221	—	—	—	50	50	—	—	—	—	—	50	50.00%
149. II Ind LL.B.	182	29	153	—	153	—	153	—	—	—	45	45	—	—	—	—	—	45	29.41%
150. IVth LL.B. (General)	33	12	19	—	2	—	21	—	—	2	6	6	—	—	—	—	—	8	38.09%
151. Vth LL.B. (Special)	6	2	3	—	1	—	4	—	—	—	1	1	—	—	—	—	—	2	50.00%
152. LL.M. Part—I	9	4	5	—	—	—	5	—	—	—	2	2	—	—	—	—	—	2	40.00%
153. LL.M. Part—II	9	3	6	—	6	—	6	—	—	—	2	2	—	—	—	—	—	2	33.58%
154. P.G. Dip. in D.T.P.	22	5	17	—	17	—	17	—	—	—	12	12	—	—	—	—	—	12	70.58%
155. P.G. Dip. in D.L.P.	44	10	30	—	4	—	34	—	—	—	13	13	—	—	—	—	—	16	47.05%
156. B.Sc. (Home)	23	3	—	—	20	—	20	—	—	—	—	—	—	—	—	—	—	14	70.00%
157. M.Sc. (Home)	5	—	—	—	5	—	5	—	—	—	—	—	—	—	—	—	—	2	100%
158. Post Graduate Diploma in Pre-School Education	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	100%

List of Degree/Diploma conferred at the Annual and Supplementary Convocations during the year 1982-1983

Sr. No.	Degree/Diploma	Annual Convocation	Supplementary Convocation	Total
		December, 1982	May, 1983	
1	2	3	4	5
1.	Ph.D. (Arts)	7	8	15
2.	Ph.D. (Science)	15	11	26
3.	Ph.D. (Education)	16	12	28
4.	Ph.D. (Commerce)	—	1	1
5.	Ph.D. (Medicine)	—	2	2
6.	Ph.D. (Technology)	5	4	9
7.	Ph.D. (Home Science)	—	3	3
8.	Ph.D. (Social Work)	—	2	2
9.	M.D.	23	23	46
10.	M.S.	8	10	18
11.	M.A.	172	11	183
12.	Acharya	1	—	1
13.	B.A.	494	51	545
14.	Shastri	2	—	2
15.	Bachelor of Library Science	27	—	27
16.	P.G. Diploma in Linguistics	2	—	2
17.	M.Sc.	198	9	207
18.	B.Sc.	390	28	418
19.	Post-M.Sc. Dip. in Nutritional Biochemistry	3	1	4
20.	M.Ed.	18	—	18
21.	B.Ed.	184	—	184
22.	P.G. Dip. Edu. Administration	2	—	2
23.	M.Com.	71	15	86
24.	B.Com.	1148	87	1235
25.	P.G. Dip. in Banking	40	1	41
26.	P.G. Dip. in Co-operation	7	4	11
27.	M.Sc. (Medical)	4	4	8
28.	M.B.B.S.	36	122	158
29.	B.Physiotherapy	19	2	21
30.	D.O.	—	1	1
31.	D.A.	3	2	5

1	2	3	4	5
32. D.M.R.D.	—	—	1	1
33. D.P.H.	—	—	1	1
34. D.C.H.	—	—	3	3
35. D.L. and O.	2	—	5	7
36. D.V. and D.	4	—	1	5
37. T.D.D.	1	—	1	2
38. D.C.P.	1	—	—	1
39. D.G.O.	2	—	4	6
40. D.I.H.	1	—	—	1
41. M.E.	20	—	11	31
42. M.Text. (Engg.)	1	—	—	1
43. M.Pharm.	3	—	—	3
44. M.Sc. (Appl. Physics)	8	—	1	9
45. M.Sc. (Appl. Chemistry)	—	—	28	28
46. M.Sc. (Appl. Maths.)	5	—	—	5
47. Bachelor of Tech.	22	—	—	22
48. B.E.	381	—	48	429
49. B.Text. (Engg.)	34	—	1	35
50. B.Text. (Tech.)	28	—	—	28
51. B.Arch.	29	—	3	32
52. B.Pharm.	35	—	2	37
53. Bachelor of Science (Tech.) Textile Chemistry	13	—	—	13
54. P.G. Dip. in Low Cost Housing	3	—	—	3
55. LL.M.	2	—	2	4
56. LL.B. (Special)	79	—	4	83
57. LL.B. (General)	116	—	58	174
58. D.T.P.	50	—	12	62
59. D.L.P.	37	—	16	53
60. M.A. (Fine)	27	—	—	27
61. M.Mus.	12	—	—	12
62. B.A. (Fine)	39	—	—	39
63. B.Mus.	21	—	—	21
64. M.Sc. (Home)	50	—	2	52
65. B.Sc. (Home)	119	—	14	133
66. P.G. Dip. in Pre-School Education	17	—	1	18
67. M.S.W.	27	—	—	27
68. P.G. Dip. in I.R.P.M.	10	—	—	10

Appendix XV
Statement showing the number of Teaching staff of various Faculties and Institutions as on 31st March, 1983

Sr. No.	Faculty/Institution	Professor	Readers	Lecturers	Teaching Assistant	Honorary Research and Other	Part-time	Total
1	2	3	4	5	6	7	8	9
1.	Faculty of Arts	13	29	72	3	1	—	118
2.	Faculty of Science	17	37	138	23	1	—	216
3.	Faculty of Education and Psychology	3	11	23	—	—	1	38
4.	Faculty of Commerce	5	9	23	25	—	1	63
5.	Faculty of Technology and Engineering	35	52	136	27	—	33	283
6.	Faculty of Fine Arts	4	6	20	2	—	—	32
7.	Faculty of Home Science	5	7	38	9	2	—	61
8.	Faculty of Social Work	1	3	9	1	—	1	15
9.	Faculty of Law	1	—	3	2	—	12	18
10.	Oriental Institute	1	1	5	—	—	2	9
11.	College of Indian Music, Dance and Dramatics	4	4	34	2	5	1	50
12.	Baroda Sanskrit Mahavidyalaya	—	—	7	6	4	2	19
13.	Polytechnic	—	5	85	—	3	—	93
14.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	22	10	1	2	35
	Total	89	164	615	110	17	55	1050

Appendix XV (A)

Statement showing (1) the New appointments (2) Teachers appointed to higher position (3) Teachers who left (4) Teachers who returned from abroad (5) Teachers who continued their further studies abroad (6) Teachers who granted facilities for further studies in India and abroad (7) Teachers deputed to various conferences (8) Non-Teaching staff granted.

Sr. No.	Name of the Teacher	Designation with subject	Remarks (If any) for example upgraded to what level in which subject or reason for leaving the University etc.
1	2	3	4

FACULTY OF ARTS

1. Prof S. V. Mehta Professor of Gujarati
2. Prof. (Dr.) S. G. Kantawala Professor and Head, Department of Sanskrit Appointed as I/C. Director, Oriental Institute from 1st May, 1982.
3. Dr. R. I. Nanavati Reader in the Sanskrit Department Appointed as Reader in the Sanskrit Department from Nov., 1982.

Archaeology Department :

4. R. N. Mehta Professor in Archaeology and Ancient History Retired on 31-12-1982 A.O.H.

Gujarati Department :

5. Dr. M. J. Oza Lecturer in Gujarati Left the Faculty in February, 1983 and joined the Gujarat University.

History Department :

6. Husain Afzal Lecturer Lecturer to join as permanent lecturer in the A.M.U. Aligarh.

Sociology Department :

- Mr. Surya Prasad Lecturer in Sociology Submitted Resignation.

Teachers deputed to various Conferences.

Sr. No.	Name and Designation of the Teacher	Name, Place and Date/s of the Conference
1.	Dr. R. H. Dholakia	(i) Deputed to workshop in Block Level Planning, Surat. (ii) 3rd Annual Conference of the Society for the Study of Regional Disparities.

History Department

1. Misra S. C. Professor and Head To present the General Presidential Address.
2. Sharma G. D., Reader To present paper
3. Mathew K. S., Reader To present paper
4. Bajpai, Gita, Reader To present paper
5. Kumar Ravindra, Lecturer To present paper
6. Husain Afzal, Lecturer To present paper

Sanskrit Department :

1. Prof. Dr. S. G. Kantawala Professor and Head, Department of Sanskrit and I/C. Director, Oriental Institute, Baroda. All India Oriental Conference held at Jaipur, 29th, 30th and 31st October, 1982.
2. Dr. A. J. Rawal Reader in Sanskrit Advanced Level Institute of Vedic Interpretation, Modern and Traditional, Bangalore, 7-6-1982 to 27-6-1982.
3. Smt. U. S. Deshpande Lecturer in Sanskrit All-India Oriental Conference at Jaipur, 29th, 30th and 31st October, 1982.
4. Dr. J. A. Jani Lecturer in Sanskrit Attended All-India Oriental Conference held at Jaipur on 29th 30th and 31st October, 1982 (Not Deputed)

FACULTY OF SCIENCE

1. Dr. P. N. Bhatt Lecturer in Botany 26-3-1982
2. Dr. Meghsing Rawat Lecturer in Chemistry 1-4-1982
3. Dr. M. S. Swami Lecturer in Zoology 21-6-1982
4. Dr. (Kum.) N. F. Gangaramani Lecturer in Zoology 21-6-1982

1	2	3	4
5. Dr. V. R. Shah	Lecturer in Statistics		22-6-1982
6. Miss Savita Kumari	Lecturer in Mathematics		11-8-1982
7. Dr. R. T. Paradasani	Lecturer in Chemistry		30-9-1982
<i>Teachers who Left :</i>			
1. Shri T. S. Reddy	Lecturer in Biochemistry		15-6-1982
2. Dr. S. B. Trivedi	Lecturer in Physics		20-6-1982
3. Dr. (Smt.) Valsama John Koshy	Lecturer in Chemistry		27-9-1982
4. Dr. B. V. Kamath	Lecturer in Chemistry		22-10-1982
5. Dr. (Kum.) Prem Pal Gil	Lecturer in Microbiology		21-11-1982
6. Dr. H. B. Mehta	Lecturer in Microbiology		5-12-1982
7. Shri S. G. Naik	Lecturer in Statistics		31-12-1982.

(ii) Teachers who returned from abroad after acquiring higher qualifications :

Sr.No.	Name	Designation	How was the Trip financed	Qualifications/Training acquired or experience gained
1	2	3	4	5
1.	Dr. M. Sreehari	Professor of Statistics	Granted leave under O. 212 C for one year	To serve in the University of Southern Illinois, Garbondala, U.S.A. Returned on duty from 21-5-1982.
2.	Dr. S. D. Telang	Reader in Biochemistry	UNESCO Fellowship	Research in Neurochemistry
3.	Dr. S. D. Bhandari	Lecturer in Bio-Chemistry	UNESCO Fellowship	Research in intestinal Bio-Chemistry
4.	Dr. M. B. Sharma	Lecturer in Bio-Chemistry	UNESCO Fellowship	Research in neuronal cell culture
5.	Dr. B. C. Chauhan	Lecturer in Zoology	Study leave was granted on full salary by the University	Returned from U.S.A. after completing specialized course in toxicology at Walsch College, Ohio, U.S.A.
(iii) Teachers who continued their further studies abroad.				
1.	Dr. N. N. Rao	Lecturer in Microbiology	Post-doctoral Fellowship from MIT, U.S.A.	Post-doctoral research work

(iv) Teachers who were granted facilities for further studies in India and abroad during the year :

<i>Sr. No.</i>	<i>Name</i>	<i>Designation</i>	<i>How was the trip financed</i>	<i>Nature of Higher Studies/Training</i>
1	2	3	4	5
1.	Dr. G. K. Menon	Lecturer in Zoology	Leave without pay under O 212 for one year from 6-12-1982	To accept a Post Doctoral Research Training in the area of his specialization (Vertebrate epidermal Cell biology) at University of California at U.S.A.
2.	Mrs. Sheela A. Vidwans	Lecturer in Statistics	Under U.G.C. Travel Grant	To refer special books and journals in Operations Research and theses of the Library of I.I.T., Powai, Bombay (26th April 1982 to 15th May, 1982)
3.	Dr. S. Ganapathi	Lecturer in Geology	M. S. University funds	Training on Interpretation of Landstate imagery at KIM, IPE (ONGC) Dehradun

(v) Teachers who were granted facilities for further studies in India and abroad during the year :

Civil Engineering Department

1. Prof. O. H. Patel
Professor and Head of U.S.A.I.D. Programme Civil Engg. Deptt. and U.N.D.P. Projects Dean
2. Prof. P. M. Modi
Professor of Civil Engg. U.N.D.P. Project

Visited a few American Universities to get first hand information on Water Management course and irrigation and Water Management Curriculum and training.

Got specialised training in the field of Irrigation Water Management at Utah State University, Colorado State, Univ. U.S.A.

1 2 3 4 5

Applied Mechanics

1. Prof. S. K. Damle
Professor and Head of U.N.D.P. Project App. Mech. and Dean
2. Prof. V. S. Thattey
Professor of Applied Mechanics U.N.D.P. Project

Study tour to visit various Universities and National and International Institutions of repute. U.A. With the aim of (1) developing post graduate course, curriculum (2) organising short Industrially oriented courses for Engineers and Scientists (3) Establishing of Laboratories and Research facilities and preparation of training programme in the field of Fracture Mechanics for member of the staff of the Faculty from June 1982 to July 1982.

Got Training in the field of Fracture Mechanics (Theoretical and Experimental) for a period of 3 months at Lehigh University, Bethlehem U.S.A. from 3-3-1983 to 6-6-1983.

Mechanical Engineering Department

1. Prof. R. C. Patel
Professor and Head of U.N.D.P. Project Mechanical Engineering

Study tour to visit various Universities and International Institutions of Repute in U.S.A. and U.K. to get first hand information in the field of Turbojet propulsion curriculum and Training from 11-3-1983 to 23-4-1983.

(v) Teachers deputed to various Conferences :

Sr. No.	Name and Designation of the Teacher	Name, Place and Date/s of the Conference
1	2	3
1.	Dr. M. Sreehari, Professor and Head, Department of Statistics	70th Session of the Indian Science Congress, Tirupati, January 3-8, 1983.
2.	Professor K. N. Trivedi, Professor and Head, Department of Chemistry	Annual Convention of Indian Council of Chemists, Srinagar, November 6-8, 1982.
3.	Professor P. K. Bhattacharya, Professor of Chemistry	Annual Convention of Indian Council of Chemists, Srinagar. IV National Symposium on Organo metallic chemistry, Jaipur, 10-13 February, 1982.
4.	Dr. V. P. Bhatt, Reader in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
5.	Dr. G. R. Pandya, Lecturer in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
6.	Miss Nandini Vaishampayan, Lecturer in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
7.	Shri R. C. Shah, Lecturer in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
8.	Dr. C. F. Desai, Lecturer in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
9.	Shri M. C. Vyas, Lecturer in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
10.	Shri R. M. Patel, Research Scholar in Physics	XIII, National Seminar on Crystallography, Nagpur, 1982.
11.	Dr. H. S. Desai, Reader in Physics	IVth National Workshop on Atomic and Nuclear Physics, Calcutta.
12.	Dr. N. L. Kekani, Lecturer in Physics	N.S.C.G., Madras, December, 1982.
13.	Shri V. R. Mathrubhuteswaran, Lecturer in Physics	A short term course on MICRO PROCES- SORS, I.I.T., Bangalore, December, 1982.
14.	Prof. V. M. Shah, Professor and Head, Mathematics Department	48th Annual Conference of the Indian Mathe- matical Society held at Bhagalpur University, Bhagalpur (Bihar), during 26, 27, 28 Dec- ember, 1982.

1	2	3
15.	Professor V. M. Shah Professor and Head, Mathematics Department	70th Session of the Indian Science Congress Association held at Venkateshwar University, Tirupati during January 3-8, 1983.
16.	Dr. J. P. Singhal, Reader in Mathematics	70th Session of the Indian Science Congress Association held at Venkateshwar University, Tirupati during January 3-8, 1983.
17.	Shri N. V. Patel, Lecturer in Mathematics	19th Annual Conference of the Gujarat Ganit Mandal held at Shardaigram during 29-30 November, 1982.
18.	Professor S. S. Merh, Professor and Head, Department of Geology	IVth Indian Geological Congress, Varanasi, November, 1982.
19.	Dr. D. M. Shringarpure,	8th International Symposium on Ostracoda at Houston (USA) July, 1982. 11th International Congress on Sedimonto- logy at Hamitton (Canada) August, 1982.

FACULTY OF EDUCATION AND PSYCHOLOGY

- Shri S. B. Menon—Lecturer in Education (new appointment)

(c) Teachers appointed to higher positions :

- Dr. (Smt.) P. M. Buch—Reader in Education
- Dr. R. K. Parlikar—Reader in Psychology.

FACULTY OF COMMERCE

New Appointment :

Sr. No.	Name of the Teacher	Designation with Subject	Remarks
1.	Mrs. R. G. Bhatt	Lecturer in Statistics	Newly appointed
2.	Shri K. M. Joshi	Lecturer in Banking	Newly appointed.

FACULTY OF MEDICINE

Sr. No.	Name of the Teacher	Designation with Subject	Remarks (if any) for example upgraded to what level in which subject or reason for leaving the University etc.
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1	2	3	4
1.	Dr. P. B. Shah	Professor of Clinical Chemistry	Transfer and Promotion.
2.	Dr. Vibha	Asstt. Prof. in P.S.M.	New Appointment
3.	T. Rajgopal	—do—	—do—
4.	J. N. Parekh	Asstt. Prof. in Surgery	—do—
5.	Dr. G. R. Patel	—do—	—do—
6.	R. B. Shah	Asstt. Prof. in Paediatrics	—do—
7.	Dr. G. N. Shah	Asstt. Prof. in Ophthalmology	—do—
8.	Dr. N. P. Levigia	—do—	—do—
9.	Dr. P. P. Vithalani	—do— E.N.T.	—do—
10.	Dr. H. J. Memon	Asstt. Prof. in ENT	—do—
11.	Dr. M. T. Desai	—do— Medicine	—do—
12.	Dr. R. Sahai	—do— Plastic Surgery	—do—
13.	Dr. J. V. Shah	Tutor in Anatomy	—do—
14.	Dr. S. R. Shah	—do— Phy.	—do—
15.	Dr. J. V. Bhatt	Pathology	—do—
16.	Dr. R. J. Ahya	—do—	—do—
17.	J. R. Adalja	—do—	—do—
18.	Dr. H. C. Upadhyay	—do—	—do—
19.	Dr. M. K. Guliani	Tutor in Phy.	—do—
20.	Dr. K. N. Delwadha	—do— in PSM	—do—
21.	Dr. V. S. Gandhi	—do—	—do—
22.	Dr. S. G. Shah	—do— Radiology	—do—
23.	A. N. Soni	—do—	—do—
24.	S. N. Desai	—do—	—do—
25.	S. B. Kadikaya	—do— FM	—do—
26.	Dr. K. P. Desai	—do—	—do—
27.	Shri A. B. Shah	Physicist	—do—

D. Teachers who left :

1	2	3	4
1.	Dr. B. B. Zunzubia	Tutor in Pathology	Resignation
2.	Dr. K. M. Kholia	—do—	—do—
3.	Dr. J. V. Bhatt	—do—	—do—

1	2	3	4
4.	Dr. P. R. Vyas	Asstt. Prof. in Microbiology	Resignation
5.	Dr. J. P. Parmar	Tutor in PSM	—do—
6.	Dr. K. K. Shah	Asstt. Prof. in Paediatrics	—do—
7.	N. V. Gandhi	—do— Orthopaedics	—do—
8.	Dr. N. D. Swadia	—do— Surgery	—do—
9.	Dr. P. K. Sharma	Asstt. Prof. Plastic Surgery	—do—
10.	Dr. S. R. Shah	Tutor in Phy.	Local Transfer Dean
11.	Dr. O. D. Gulati	Prof. of Pharmacy	Medical College, Baroda.
12.	Dr. H. C. Srivastava	Prof. of Anatomy	Local Transfer Medical Supdt. in S.S.G. Hospital, Baroda.
13.	Dr. M. Jaychandran	Associate Prof. of Radiology	Promoted and Transfer at M. P. Shah Medical Col- lege, Jamnagar.
14.	Dr. P. D. Vithalani	Asstt. Prof. in ENT	Transfer M. P. Shah Medi- cal College, Jamnagar.
15.	Dr. K. P. Desai	Tutor in Anatomy	Tutor in F.M. this college.
16.	Dr. D. B. Vyas	P.T. Asstt. Prof. in E.S.M.	Terminated
17.	Dr. A. N. Soni	Tutor in Radiology	Terminated.

V. Teachers deputed to various conferences

1	2	3
1.	Dr. J. D. Lakhani	38th Annual Conference of API Cuttack 21st to 25th January 1983.

FACULTY OF TECHNOLOGY AND ENGINEERING

(b) New Appointments if any :

1	2	3
1.	Dr. (Kum.) Renu S. Gupta	Lecturer in Applied Chemistry
2.	Dr. J. S. Dave	Lecturer in Applied Chemistry
3.	Dr. (Kum.) Neeta H. Majmudar	Lecturer in Applied Physics
4.	Dr. S. Rama Mohan	Lecturer in Applied Maths.
5.	Shri S. S. Bhattacharya	Lecturer in Textile Engg.

1	2	3	4
6. Shri M. M. Patel		Lecturer in Met. Engg.	
7. Shri Prasanta Bhar		Lecturer in Met. Engg.	
8. Kum. U. B. Patel		Technical Teacher Trainee in Text. Engg.	
9. Shri S. T. Varnekar		Technical Teacher Trainee in Text. Engg.	
10. Shri V. B. Amin		Reader in Architecture	
11. Smt. D. K. Trivedi		Lecturer in Architecture	
12. Shri V. M. Gade		Lecturer in Chemical Engg.	
13. Dr. N. K. Patel		Reader in Electrical Engg.	
14. Shri Sharathkumar Naik		Lecturer in Pharmaceutics	
15. Shri P. S. Purohit		Lecturer in Mech. Engg.	
16. Shri G. S. Soni		Lecturer in Mech. Engg.	
17. Shri G. S. Patel		Technical Teacher Trainee in Civil Engg.	

(c) Teachers Upgraded to Higher position :

1. Shri A. I. Trivedi	Lecturer in Electrical Engg.	Reader in Electrical Engg.
2. Shri B. A. Patel	Lecturer in Electrical Engg.	Reader in Elect. Engg.
3. Prof. R. D. Bhatt	Reader in Civil Engg.	Professor of Civil Engg.
4. Prof. H. C. Shah	Reader in Civil Engg.	Prof. of Civil Engg.

(d) Teachers who Left/Retired :

1. Smt. Hemamalini Khurana	Lecturer in Elect. Engg.
2. Prof. (Dr.) G. C. Kothari	Professor of Elect. Engg.
3. Dr. N. K. Patel	Reader in Elect. Engg.
4. Smt. Hardevi Karamchandani	Lecturer in English
5. Shri B. K. Shah	Lecturer in Text. Engg.

FACULTY OF FINE ARTS

(c) Teachers appointed to Higher position :

1. Prof. G. M. Sheikh—Professor
2. Shri N. K. Sant—Reader

1	2	3	4
(C) (1) Prof. G. M. Shaikh	Professor in Painting	Professor of Painting	
(2) Shri N. K. Sant	Reader in App. Arts	Reader in Applied Arts	
(D) (1) Shri V. K. Bhatt	Lecturer in Art History	Retired	
(2) Miss S. S. Mazumdar	Lecturer in Art History	Relieved as per University order	

1	2	3	4
(iv) Non-Teaching staff granted facilities to go abroad :			
1. Shri R. C. Shah	Head Clerk	By himself	For Visit to America leave is granted.

FACULTY OF HOME SCIENCE

(b) New appointments if any :

1. Dr. U. V. Mani	Lecturer in F.N.	New appointment
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Teachers appointed to Higher positions :

1	2	3	4
1. Dr. S. Gujaral	Professor in Foods and Nutrition	Appointed to higher position (Professor)	
2. Dr. Anupama Shah	Reader in Home Science Education & Extension	Appointed to higher position (Reader)	
3. Shri B. Balakrishnaiah	Reader in Clothing and Textiles	Appointed to high position (Reader)	

(d) Teachers who Left :

1. Dr. Atulaben Derasari	Lecturer in Child Development	Resigned
2. Kum. Sarla George	Lecturer in Child Development	Resigned
3. Dr. (Kum.) Devhuti Vyas	Lecturer in Foods and Nut.	Resigned
4. Shri B. V. Mate	Lecturer in Chemistry	Retired

(iii) Teachers who continued their further studies abroad :

1	2	3	4
1. Kum. Indira Mallya	Lecturer in Child Development	For a course in Child life Education at Miles College, U.S.A.	

(iv) Teachers who were granted facilities for further studies in India and abroad during the year.

Nil

(v) Teachers deputed to various conferences :

Child Development —
Clothing and Textiles —

v. Teachers deputed to various conferences.

1	2	3
1. Dr. H. M. Rajyaguru,	Lecturer	BSW Workshop at Nirmala Niketan College of Social Work, Bombay from 6th June 1982 to 15-6-82.
2. Dr. Promila Maitra,	Lecturer	BSW Workshop at Nirmala Niketan College of Social Work, Bombay from 6th June 1982 to 15-6-1982.
3. Mr. K. M. Sharma,	Reader	BSW Workshop at Nirmala Niketan College of Social Work, Bombay from 6th June 1982 to 15-6-1982.
4. Shri Anil Navale,	Lecturer	2nd National Integration Youth Festival at Narmada Project site. Kevadia—24-12-1982 to 31-12-1982. State Level Advisory Committee meeting of N.S.S. at Gandhinagar on 12-4-1983. Programme coordinators meeting at Ahmedabad on 8-8-1982.
5. Shri I. P. Shelat,	Reader	Seminar on "Deciding National Youth Policy at Guj. Vidyapith," Ahmedabad on 20th and 21st Feb., 1983.
6. Smt. Varsha Anjaria,	Lecturer	Family Planning Seminar at Saputara on 24/25-4-1982.
7. Shri I. P. Shelat	Reader	Block Level Planning Workshop at South Guj. Uni. Surat—10-82 to 6-10-82

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

(b) *New appointments if any :*

1. Shri S. L. Chaturvedi	Lecturer in Vocal Music	21-6-1982
2. Shri P. K. Shreedhar	Lecturer in Tabla	6-12-1982
3. Shri H. S. Gangani	Lecturer in Dance (Kathak)	7-7-1982.

Teacher appointed to Higher positions :

Shri G. B. Ghodke—Lecturer in Tabla appointed as Reader Tabla from 22-6-1982.

(d) *Teachers who left :*

Shri D. K. Muley—Lecturer in Music (Vocal) retired on 31-5-1982.

(ii) Teachers who returned from abroad after acquiring higher qualifications.
 Shri A. P. Chawla Lecturer in Indian Cultural Certificate, Boston
 Dramatics Relation University Summer
 Vacation

(iii) Teachers who continued their further studies abroad—Nil.

(iv) Teachers who were granted facilities for further studies in India and abroad during the year :

Shri A. P. Chawla Lecturer in Indian Cultural Certificate, Boston
 Dramatics Relation University Summer
 Vacation

(v) Teachers deputed to various conference : Nil.

(vi) Non-teaching staff granted facilities to go abroad.

1. Shri L. M. Shah Head Clerk Self supporting To visit various Coun-
 tries of America.

BARODA SANSKRIT MAHAVIDYALAYA

(b) *New appointment if any :*

1. Shri B. S. Kamble — Pradhyapak
2. Dr. R. G. Shah — Pradhyapak

POLYTECHNIC

(B)

1	2	3	4
1. Shri A. P. Macwan	Lecturer in English		5-7-1982
2. Shri P. H. Pandya	Lecturer in App. Mech. Department		20-8-1982
3. Shri K. S. Bhatt	Lecturer in Civil Engineering		2-9-1982
4. Shri K. N. Bhavsar	Lecturer in Civil Engg.		9-9-1982
5. Shri N. K. Patel	Lecturer in Mech. Engg.		21-1-1983

D. *Teachers who left :*

1	2	3	4
1. Shri D. D. Goradia	Lect. in App. Mech.	Resigned and Rel. from 22-4-82.	
2. Shri R. R. Parikh	Lect. in App. Mech.	Resigned and Rel. from 18-7-82.	
3. Shri S. H. Desai	Lect. in Chemistry	Retired and Rel. from 31-12-82.	
4. Dr. H. B. Patel	Lect. in Physics	Transferred to Faculty of Tech. and Engg. from 20-1-1983.	

1. Teachers who were granted facilities for further studies in India and abroad during the year :—

1. Shri K. S. Agrawal Sr. Inst. (PCT) Fac. of Tech. and Engg. Univer-
 sity, Baroda.

V. *Teachers deputed to various conferences :*

1. Prof. H. V. Bhavnani (1) I.S. TeE. Convention at Hyderabad from 27th
 Principal, Polytechnic Dec. 1982 to 1-1-1983.
- (2) Deputation to Delhi from Workshop for Air
 Pollution from 27-1-1983 to 29-1-1983.
- (3) Principal's Conference at Bhopal from 21st to
 26th Feb. 1983.

The Statement showing the Staff-student Ratio

The total number of teachers including Teaching Assistants, Senior/Junior Instructors, Tutors, Honorary, Research and Part-time Lecturers in the Faculties and Institutions of the University during the year under report was 1267 (including 217 teachers of Medical College) as against the total student enrolment of 22,418. This gives an overall teacher-student ratio 1 : 17.7. The corresponding strength of University teachers and staff-student ratio over the last five years is indicated below :

Year	No. of University teachers	Students Enrolment	Staff-Student Ratio
1978-79	1,022	19,247	1 : 18.8
1979-80	1,046	18,972	1 : 18.8
1980-81	1,062	19,238	1 : 18.1
1981-82	1,199	24,341	1 : 20.3
1982-83	1,267	22,418	1 : 17.7

The Statement showing the staff student Ratio in different Faculties and Institutions

Faculty/Institution	No. of University Teachers	Student Enrolment	Staff-student Ratio
1. Arts	118	2190	1 : 18.6
2. Science	216	2288	1 : 10.6
3. Education and Psychology	38	505	1 : 13.3
4. Commerce	63	5515	1 : 87.5
5. Medical College	217	1030	1 : 4.7
6. Technology and Engineering	283	3248	1 : 11.5
7. Fine Arts	32	361	1 : 11.3
8. Home Science	61	712	1 : 11.7
9. Social Work	15	83	1 : 5.5
10. Law	18	1761	1 : 97.8
11. College of Indian Music, Dance and Dramatics	50	157	1 : 3.1
12. Baroda Sanskrit Mahavidyalaya	19	60	1 : 3.2
13. M. K. Amin Arts and Science College and College of Commerce, Padra	35	1800	1 : 51.4
14. Polytechnic	93	2708	1 : 29.1

Statement showing the number of Non-Teaching Staff in various Faculty/Institution

Faculty/Institution	Class III	Class IV	Total
1. Faculty of Arts	24	25	49
2. Faculty of Science	116	78	194
3. Education and Psychology	11	8	19
4. Faculty of Commerce	17	29	46
5. Faculty of Medicine	135	124	259
6. Faculty of Technology and Engineering	191	99	290
7. Fine Arts	9	17	26
8. Faculty of Home Science	18	33	51
9. Faculty of Social Work	9	7	16
10. Faculty of Law	7	5	12
11. M. K. Amin Arts and Science College and College of Commerce, Padra.	16	13	29
12. College of Indian Music, Dance and Dramatics	9	11	20
13. Baroda Sanskrit Mahavidyalaya	2	4	6
14. Polytechnic	67	56	123
Grand Total	631	509	1140

Health Services : 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 daily average attendance over a period of last five years :

Year	No. of Cases Treated				Total cases	Daily average attendance
	Staff and their families	%	Students	%		
1978-79	23,871	56.2	12,755	34.8	36,626	121.0
1979-80	26,930	76.5	8,287	23.5	35,217	117.0
1980-81	27,938	80.2	6,879	19.8	34,817	117.0
1981-82	29,255	81.4	6,680	18.6	35,935	124.0
1982-83	29,175	83.01	5,970	16.99	35,145	121.0

CAPITAL ACCOUNTS
I—University General Fund
 (Subject to Audit)
 (1982-1983)

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1982	23,01,604-46		Building Works	11,95,386-62	
Interest	1,84,974-69		Closing Balance	12,91,192-53	
Total	24,86,579-15		Total	24,86,579-15	

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II—Ayurvedic Research Fund
 (Subject to Audit)
 (1982-1983)

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1982	12,55,214-34		Amount transferred towards the excess recurring expenditure over the State Government Grant during the year	1,11,048-15	
Interest	1,21,848-11		Closing Balance	12,66,064-30	
Total	13,77,112-45		Total	13,77,112-45	

III—Post-graduate Instruction and Research Fund

(Subject to Audit)
 (1982-1983)

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1982	58,48,022-56		(i) Expenditure on Research Scheme (including Research Assistants)	1,69,203-86	
Interest	5,67,461-43		(ii) Two Post-Doctoral Fellowships @ Rs. 600/- p.m. each and contingent grant @ Rs. 2,000/- p.a. each.	18,415-25	
			(iii) 9 Scholarships of Rs. 400/- p.m. and contingent grant of Rs. 1,000/- p.a. per scholar	32,407-68	
			Closing Balance	61,95,457-20	
Total	64,15,483-99		Total	64,15,483-99	

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REVENUE ACCOUNT
(Subject to Audit)

1982-1983

Sr. No.	Particulars	Receipts		Sr. No.	Particulars	Disbursements	
		Rs.	P.			Rs.	P.
1	2	3	4	1	2	3	4
I. (A)	Grants from the State Government (1 to 2)	3,51,79,303-00		I.	University General Administration (1 to 11)	19,07,481-60	
(1)	Block Grant from the State Government	2,93,14,000-00		II.	Examination Charges (1 to 14)	12,74,005-99	xx
(2)	Additional Block Maintenance Grant from the State Government	58,65,303-00		III	Publications	90,256-41	
(a)	Towards the expenditure on Development Plan Schemes which have completed five years stipulated period and hence become 100% liability of the State Government :			IV	Remuneration to Lecturers		
(i)	Vishnupuran Project			V	Travelling Allowance	93,437-82	
(ii)	Introduction of Degree course in Pharmacy (Faculty of Technology and Engineering) (From 1-7-1978 and onwards)	1,84,000-00		VI	Printing, Stationery and Postages	2,29,691-26	
				VII	Interest on Bank Overdraft and also interest on Balance of Funds not invested due to Financial Stringency	7,84,682-15	
				VIII	Maintenance of Buildings and Roads (including Residential Quarters and N. C. C. Buildings)	5,66,604-98	

(iii) Special Assistance to Bio-Chemistry Department (Faculty of Science)
1st Phase (From 1-4-1979)

(iv) (a) Expenditure on Vth Plan Posts for various Faculties from 1-4-1981 to 31-3-82 (Excluding Faculty of Technology and Engineering as Scheme completes on 31-3-1984)
(b) Vth Plan posts for Faculty of Technology and Engineering
(From 31-3-1983)

(b) (1) 100% Grant towards additional Expenditure on increases in the rates of Dearness allowance, house rent allowance, Compensatory Local Allowance during the Currency of the triennium.

(2) For future increase in Dearness Allowance (after 1-6-82 and onwards)
(c) 3½% Wage Bill grant on the Wage Bill of preceding year on a cumulative basis during each year of the triennium for annual increments etc.

(d) Additional Grants :

(i) For additional intake of 100 students in Extended Diploma Courses in Civil, Mechanical and Electrical Engineering (Polytechnic)

IX Maintenance of Gardens

1,57,987-96

X Games, Sports and Students' Welfare and other Activities

10,79,872-63

XI Miscellaneous (A, B and C)

5,28,585-08

(A) Memberships and Contribution

33,729-69

(B) Office Equipment

65,043-66

(C) Other Items

4,29,811-73

XII Faculties and Institutions

4,05,46,679-77

A Faculties :-

(a) Faculty of Arts 39,53,415-67

(b) Faculty of Science 82,03,097-76

(c) Faculty of Education and Psychology 22,21,198-01

(d) Faculty of Commerce 19,92,763-48

(e) (i) Faculty of Technology and Engineering 95,52,577-66

(ii) Introduction of Degree Course in Pharmacy 4,71,665-94

(iii) Part-Time Degree course for Diploma students in C.M.E. 2,16,391-39

(f) Faculty of Law 4,08,380-38

(g) Faculty of Fine Arts 15,60,166-88

(h) Faculty of Home Science 23,20,039-04

(i) Faculty of Social Work 6,73,962-14

(ii) For Five Semester Post-Higher Secondary (Std. XII) Science Stream Diploma in Civil, Mechanical and Electrical Engineering (Polytechnic)	—				3,76,095-41 1,39,007-49
(iii) Additional Block Grant Leave Encashment	3,60,000-00				14,55,891-27 3,34,162-78
(iv) Towards works of ordinary Repairs to Buildings	3,00,000-00				10,60,570-04 45,43,034-98
(v) Towards the approved works of Special Repairs to University Buildings	—				2,02,487-33
(vi) Towards expenditure on Leave travel concession given to the University employees	2,50,000-00				86,164-84
(vii) Towards Revival of vacant posts in the Polytechnic	—				
(viii) Towards purchase of water cooler for the University Library	—				5,28,211-21
(ix) Towards the maintenance of Vehicle of History Department	—				2,47,396-07

B. Institutions :

(j) (i) Oriental Institute					3,76,095-41
(ii) Vishnupurana Project					1,39,007-49
(k) College of Indian Music, Dance and Dramatics					14,55,891-27 3,34,162-78
(l) Sanskrit Mahavidyalaya					
(m) Shri M. K. Amin Arts and Science College and College of Commerce, Padra					10,60,570-04 45,43,034-98
(n) (1) Polytechnic					
(2) Extended Diploma courses in Civil, Mechanical and Electrical Engineering					2,02,487-33
(3) Additional intake of 100 Students (Extended Diploma in Civil, Mechanical and Electrical Courses)					86,164-84
(4) Five Semester Post Higher Secondary (Std. XII) Science Stream Diploma Courses in Civil, Mechanical and Electrical Engineering					5,28,211-21
(o) Centre of Advanced Study in Education					2,47,396-07

(x) Towards payment of Interim Relief and or arrears of revision of pay scales of the non-teaching staff on recommendation of the Third Pay Commission an approval of the State Government

(B) Grant from the University Grants Commission towards the Grants Commission Unit in the University

II Fees from the Students (A + B + C)

(a) Academic :

(1) Tuition Fees and Miscellaneous Income From Faculties and Institutions

Faculties :

(a) Faculty of Arts	8,43,744-00
(b) Faculty of Science	12,07,086-24
(c) Faculty of Education and Psychology	4,51,686-01
(d) Faculty of Commerce	22,20,771-52
(e) (i) Faculty of Technology and Engineering	17,50,377-97
(ii) Introduction of Degree Course in Pharmacy	58,720-00
(iii) Part-Time Degree Course in Diploma Students in C.M.E.	1,51,171-70

XIII (a) Smt. Hansa Mehta (University) Library

19,47,627-40

(b) Sir Sayajirao Memorial Trust (University) Library

77,811-11

57,791-88

XIV University Guest House

20,36,414-97

XV University Auxiliary Services

28,14,020-10

XVI Halls of Residence for Students

1,43,882-00

XVII Sheth U. P. Ayurvedic Research Unit

12,000-00 XVIII Vth Plan Posts from 1-4-1981 for 11 months

XIX Additional Expenditure for all Institutions on Account of increase in the rates of Dearness Allowance

XX Cost of Card Punching and verification Stationery Computer time etc. for Computerization of University Pay Roll

8,899-16

XXI Additional Furniture for different

Faculties

8,43,744-00

XXII Pensions

4,51,686-01

XXIII School of Management Studies and Research (Preliminary Expenses)

1,200-00

XXIV Interim Relief and Expenditure on

Revision and Pay Scales of Non-

Teaching Staff are likely recommenda-

tion of the Third Pay Commission appo-

inted by State Government

1,51,171-70

(f) Faculty of Law	6,22,203-00
(g) Faculty of Fine Arts	1,11,714-90
(h) Faculty of Home Science	3,99,853-25
(i) Faculty of Social Work	99,960-44
Institutions :	
(j) College of Indian Music, Dance and Dramatics	1,03,332-15
(k) Sanskrit Mahavidyalaya	590-25
(l) Shri M. K. Amin Arts and Science College and College of Commerce, Padra	6,56,542-00
(m) (i) Polytechnic	3,71,602-55
(ii) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	47,559-50
(iii) Extended Diploma in Civil, Mechanical and Electrical Engineering Courses (Additional intake of 100 students)	25,834-00
(iv) Five Semester Post-Higher Secondary (Std. XII) Science Stream Diploma course in Civil, Mechanical and Electrical Engineering (Polytechnic)	1,00,649-15
(ii) Fees for Enrolment etc. :	
(a) For Enrolment Certificate	49,510-00
(b) For Post-graduate Registration	3,645-00

(B) Examination Fees 13,55,234-02
(C) Other Fees 4,65,530-01

III. Income from Halls of Residence for students 9,36,018-85

IV. Income from Occupation of Buildings, Lands and other Properties 5,78,033-37

V Health Services—University Health Centre 6,119-20

VI University Auxiliary Services (A+B+C) 16,15,958-52

(a) Income from M. S. University of Baroda Press 8,27,053-66

(b) Income from M. S. University Stationery Unit 7,18,795-90

(c) Income from Publications 70,108-96

VII Miscellaneous Receipts 2,78,338-79

VIII Sheth U. P. Ayurvedic Research Unit 1,43,882-00

(1) State Government Grants 30,000-00

(2) Income from out-patient Ward 2,833-85

(3) Excess Recurring Expenditure met from Ayurvedic Research Fund 1,11,048-15

IX. Refund of Insurance Premium on Insurance of Buildings, Equipments, Books etc. 74,926-00

Total 4,99,21,897-39

Add. : Excess of Disbursement over receipts i.e. Deficit 45,43,353-36

Grand Total 5,44,65,250-75

Grand Total

5,44,65,250-75