

नमस्ते शारदे देवी सरस्वती मतिप्रदे ।
वस त्वं मम जिह्वाग्रे सर्वविद्याप्रदा भव ॥

obeisance to thee, O Goddess Sharada,
the divine muse of learning, bestower of intelligence.
I pray thee to ever abide in my speech and grant me keen intellect
that penetrates in all branches of knowledge.

41

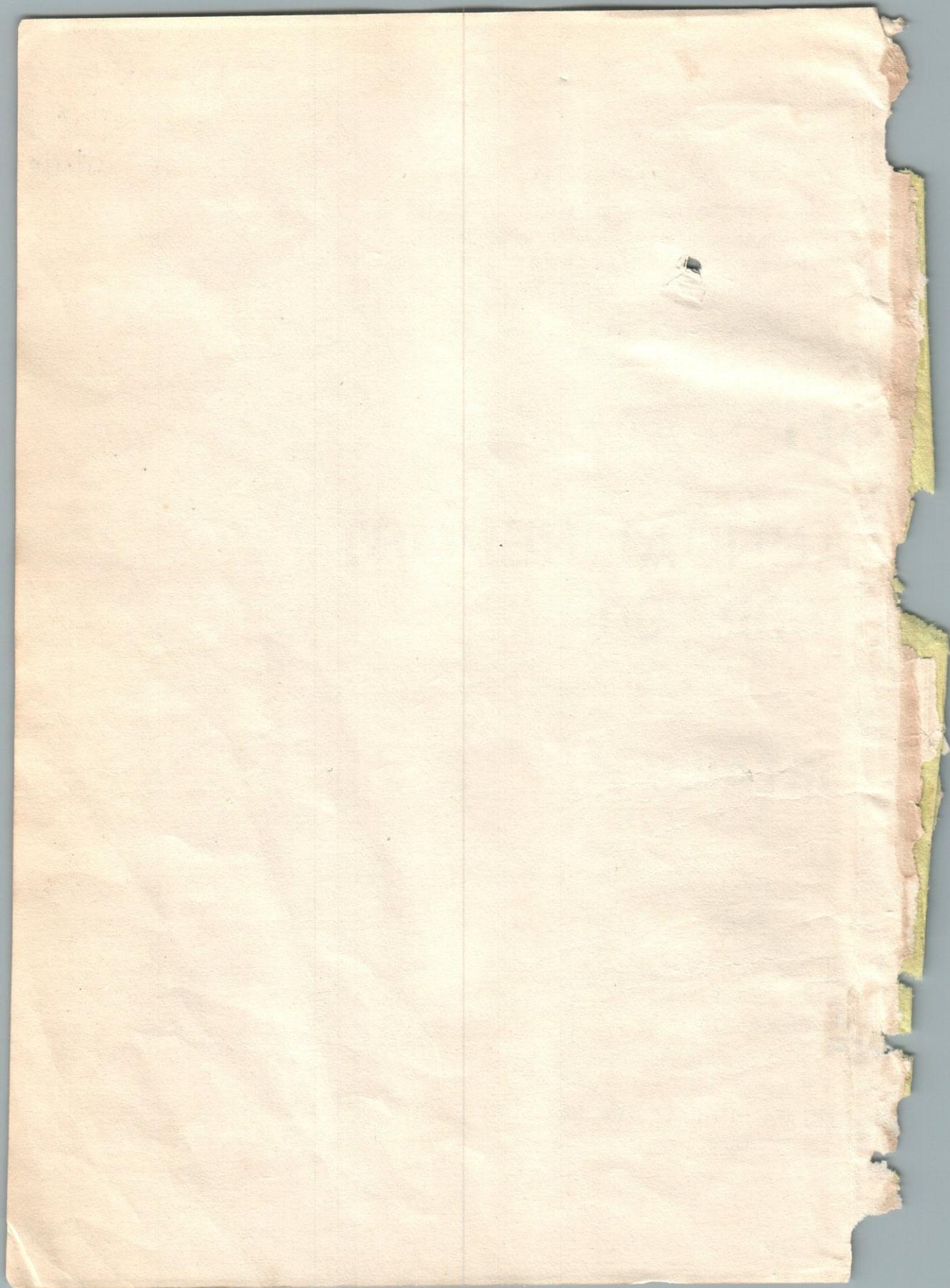
ANNUAL REPORT 1989 - 90

DETAILS



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

University
Library
11/4/9



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The Syndicate & The Senate

I. SYNDICATE

The Syndicate consists of 25 Members.

Ex-Officio

1. Prof. R. C. Patel, Vice-Chancellor (upto 14-3-90) (Expired)
2. Prof. K. C. Mehta, Pro-Vice-Chancellor
3. Director of Higher Education
4. Director of Technical Education
5. Director of Health, Medical Services and Education

Two Deans Elected by the Senate

6. Prof. R. C. Desai
7. Prof. V. S. Patel

One Professor nominated by the Vice-Chancellor

8. Prof. R. J. Mistry

One Principal Elected by the Senate

9. Shri G. M. Sheth

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

10. Shri Nilesh J. Shukla
11. Shri H. B. Zaveri
12. Shri D. K. Patel
13. Dr. R. F. Patel
14. Shri N. D. Chokshi
15. Dr. J. H. Sheth

One Head of the Department elected by all the Heads of the Departments.

16. Prof. (Smt.) B. H. Elavia (from 16-2-90)

Five Teachers of the University elected by the Senate

17. Dr. (Prof.) R. P. Bhatt
18. Shri H. J. Parikh (upto 23-4-89)
Shri J. R. Shah (from 26-3-90)
19. Dr. I. D. Bhatt
20. Dr. (Miss.) J. P. Mehta
21. Dr. S. R. Pandya

Four persons nominated by the State Government

22. Smt. Arunaben S. Mehta (from 17-4-89)
23. Dr. S. K. Damle (from 17-4-89)
24. Shri S. S. Patel (from 17-4-89)
25. Prof. S. N. Chaudhary (from 17-4-89)

During the year 16 meetings of the Syndicate (11 Ordinary + 5 Special) were held at which 506 items were considered and resolutions passed on them.

II. THE SENATE

The Senate consisted of 94 members. The changes in the membership during the year were as under :

The following persons ceased to be the members of the Senate during the year under report :

1. Prof. R. C. Patel
2. Prof. M. S. Yadav
3. Prof. V. M. Shah
4. Smt. Y. A. Mehta
5. Prof. A. K. Agrawal
6. Prof. H. C. Dholakia
7. Prof. M. J. Bhatt
8. Dr. R. D. Pathak
9. Shri D. C. Prajapati
10. Dr. R. T. Parikh
11. Shri H. J. Parikh
12. Prof. C. V. Chandrashekhar
13. Shri M. L. Patel
14. Shri B. M. Rabari

The following persons became Members of the Senate :

1. Prof. S. L. Sabnis
2. Prof. N. S. Pathak
3. Prof. (Smt.) B. H. Elavia
4. Prof. H. V. Bhavnani
5. Shri Ranjit Chauhan
6. Shri R. P. Shah
7. Shri A. P. Chavla
8. Dr. B. N. Bhatt
9. Shri S. B. Vaghela
10. Shri G. B. Rajput
11. Prof. D. S. Shukla
12. Prof. C. V. Chandrashekhar

The following is the list of members of the Senate :

1. The Chancellor : Dr. (Smt.) Mrunalinidevi A. Puar
2. The Vice-Chancellor : Prof. R. C. Patel (upto 14-3-90)
3. The last Ex-Vice-Chancellor of the University residing in the State : Prof. M. N. Desai
4. The Pro-Vice-Chancellor : Prof. K. C. Mehta
5. The Registrar : Shri R. V. Kothari (under suspension)
6. The Librarian : Smt. Y. A. Mehta (upto 31-10-89)
7. The Director of Higher Education : Shri S. D. Sharma
8. The Director of Technical Education : Prof. N. R. Dave
9. The Director of Health, Medical Services and Medical Education
10. The Chairman of the Gujarat Secondary Education Board : Shri G. N. Patel
11. The Director of Employment and Training : Shri R. L. Meena

Deans of Faculties :

12. Dean, Faculty of Arts : Prof. S. G. Kantawala
13. Dean, Faculty of Science : Prof. V. M. Shah (upto 21-10-89)
Prof. S. D. Sabnis (from 22-10-89)
14. Dean, Faculty of Education & Psychology : Prof. M. S. Yadav (upto 22-6-89)
Prof. N. S. Pathak (from 1-7-89)
15. Dean, Faculty of Commerce : Prof. A. G. Patel
16. Dean, Faculty of Medicine : Dr. B. P. Tamankar
17. Dean, Faculty of Technology & Engineering : Prof. R. C. Desai
18. Dean, Faculty of Law : Prof. H. C. Dholakia (upto 31-5-89)
19. Dean, Faculty of Fine Arts : Prof. V. S. Patel
20. Dean, Faculty of Home Science : Prof. (Mrs.) Tara Gopaldas
21. Dean, Faculty of Social Work : Dr. S. B. Saxena
22. Dean, Faculty of Performing Arts : Prof. M. J. Bhatt (upto 31-10-89)
Prof. C. V. Chandrasekhar (from 1-11-89 to 19-3-90)
23. Dean, Faculty of Management Studies : Prof. G. C. Beri

Principals of Constituent Colleges :

24. Principal, Polytechnic College : Shri G. M. Sheth
25. Principal, Sanskrit Mahavidyalaya : Shri N. C. Shukla
26. Principal, M. K. Amin Arts & Science College and College of Commerce, Padra
Dr. R. D. Pathak (upto 20-11-89)
Dr. D. S. Shukla (from 21-11-89)

Heads of Recognised Institutions :

27. Director, Centre for Continuing/Adult Education and Community Services
Prof. (Mis..) Malathi Chakravorty
28. Director, Oriental Institute, Dr. R. T. Vyas
29. Director, Baroda Museum and Picture Gallery

Members of the Syndicate falling under Clause (vii) of Sub-Section (2) of the Section 23.

30. Prof. R. J. Mistry

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

31. Prof. (Smt.) B. H. Elavia (from 16-2-90)

All the Trustees of Sir Sayajirao Diamond Jubilee and Memorial Trust :

32. Her Highness Maharani Shantadevi Gaekwad of Baroda

33. Shri Morarji R. Desai

34. Shri I. C. Patel

35. Smt. Madhuben K. Shah

36. Shri R. P. Gaekwad

37. The Mayor of the Baroda Municipal Corporation

37. Shri D. C. Prajapati (upto 1-2-90)

Shri Ranjitsinh S. Chauhan (from 2-2-90)

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

38. President : Prof. O. P. Goyal

39. Vice-President : Shri S. B. Vaghela (from 19-10-88)

40. General Secretary : Shri G. K. Rajput (from 19-10-89)

Five Professors

41. Prof. R. P. Bhatt, Science

42. Prof. D. S. Pathak, Commerce

43. Dr. G. N. Shukla, Medicine

44. Prof. A. K. Agrawal (upto 11-12-89)

Prof. H. V. Bhavnani, Technology & Engineering (from 20-2-90)

45. Prof. (Mrs.) Veena R. Mistry, Home Science

One Member each elected Faculty-wise :

46. Shri R. J. Shah, Arts

47. Dr. S. R. Pandya, Science

48. Dr. I. D. Bhatt, Education & Psychology

49. Shri K. M. Joshi, Commerce

50. Dr. D. C. Vyas, Medicine

51. Shri R. H. Shah, Technology & Engineering

52. Shri J. C. Rathod, Law

53. Dr. R. T. Parikh (upto 10-1-90)

Shri R. P. Shah, Fine Arts (from 26-2-90)

54. Dr. (Mrs.) Kalpana R. Parlikar, Home Science

Shri S. B. Saxena, Social Work

55. Shri H. J. Parikh, Performing Arts (upto 23-4-89)

Shri A. P. Chavla, Performing Arts (from 28-2-90)

Vacant : Management Studies

One Member elected from each of the Constituent Colleges and recognised Institutions :

56. Shri V. L. Dasgupta : Polytechnic
57. Dr. H. M. Pandey, Sanskrit Mahavidyalaya
58. Shri K. K. Bhatt, M. K. Amin Arts and Science College & College of Commerce, Padra
59. Dr. B. N. Bhatt, Oriental Institute (from 26-2-90)

One Member each elected Faculty-wise by Registered Graduates :

60. Shri Y. J. Akolkar, Arts
61. Shri B. Y. Bhatt, Science
62. Shri S. B. Kulkarni, Education and Psychology
63. Shri R. J. Darji, Commerce
64. Dr. J. H. Sheth, Medicine
65. Shri J. Y. Rajput, Technology and Engineering
66. Shri H. B. Zaveri, Law
67. Shri G. B. Nimbalkar, Fine Arts
Dr. (Smt.) Mrunalinidevi A. Puar, Home Science
68. Shri J. S. Shah, Social Work
69. Shri H. S. Bochare, Performing Arts
70. Shri J. C. Shukla, Management Studies

One representative elected by Federation of Gujarat Mills and Industries, Vadodara :

71. Dr. V. J. Patel

One representative elected by the Heads of Secondary Schools in the University Areas :

72. Shri K. R. Patel

One representative elected by the Secondary Teachers in the University Areas :

73. Shri A. G. Dave

Two representatives elected by the Members of the Gujarat Legislative Assembly :

74. Shri B. M. Rabari (upto 2-3-90)
75. Shri M. L. Patel (upto 2-3-90)

One representatives elected by the Registered Trade Union in the University Areas :

76. Shri D. K. Patel

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

77. Shri N. C. Shah

Two Members elected by Donors :

78. Shri N. D. Chokshi
79. Shri T. N. Krishnamurthy

Fifteen persons nominated by the State Government :

80. Prof. A. R. Mehta
81. Shri Cassim M. Unia
82. Shri Nilesh J. Shukla
83. Smt. Arunaben S. Mehta
84. Prof. S. Y. Mehta
85. Shri Lalit G. Rana
86. Dr. (Miss.) Jayshree P. Mehta
87. Dr. R. F. Patel
88. Shri J. R. Shah
89. Prof. O. H. Patel
90. Shri A. L. Redey (from 8-6-88)
91. Prof. Y. K. Agrawal
Shri R. P. Gaekwad
92. Shri Raof M. Valiulla
93. Shri S. H. Chawla

One representative of the Union of the Non-teaching staff of the University nominated by the Vice-Chancellor :

94. Shri P. S. Bhoite

The meeting of the Senate was held on 25-3-90 which was attended by 65 members.

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

1. Prof. R. C. Patel
2. Shri Ishwarbhai J. Patel
3. Shri K. D. Shah
4. Shri N. A. Parikh

Thereafter, the Chairman announced that as a mark of respect to our beloved Vice-Chancellor, Prof. R. C. Patel, the meeting be adjourned to 26-3-90 at 1.00 p.m. which was then attended by 71 Members, and the following items were taken up :

1. Election of ONE Teacher to the Syndicate, and
2. One Teacher to the Medical Council of India were held.

The Annual Report and the Annual Accounts for the year 1988-89 Annual Financial Statement for the year 89-90 and the Budget Estimates for the year 1990-91 were approved. During Question reply session, the questions of two Senate Members were replied by the Chairman and thereafter the meeting was adjourned to 27-3-90 at 1.00 p.m. and was attended by 51 Members.

In the beginning, the remaining portion of Question-reply Session was taken up on hand and thereafter the pamphlet Nos. 5 and 6 of the Ordinances passed by the Syndicate were approved. Also Statues 69, 70, 91, 193A, 199 and 209-B were amended and approved.

Institutions of posts, Gold Medals, Prizes and Scholarships were approved. The report of the action taken by the Vice-Chancellor in the matter of changing the nomenclature 'Post-Graduate Diploma in Cartography' to that of 'Diploma in Cartography' was noted.

Other Authorities of the University

I. Council of Post-Graduate Studies and Research

The council of Post-Graduate Studies and Research met on 12th April, 1989, 9th August, 1989 and 12th December, 1989. The following were the principal items considered and recommended by the Council and approved subsequently by the Syndicate :

- (i) **New Research Schemes for 1990 - 91 approved 54**
- (ii) **Following members were recognised as Ph. D. guides :**

FACULTY OF SCIENCE :

No.	Name	Working at	Subject
1.	Dr. Virendra Kumar Gupta	IPCL	Chemistry
2.	Dr. Ramesh Chandra Jain	IPCL	Chemistry
3.	Dr. Anandkumar Kulshreshtha	IPCL	Chemistry
4.	Dr. Prahlad A. Ganeshpure	IPCL	Chemistry
5.	Dr. Raghavan Soman	Multi-Chem. Research Centre (Director)	Chemistry
6.	Dr. Kanubhai Antolbhai Patel	G. S. F. C.	Microbiology
7.	Dr. Anant Vishnu narlikar	National Physical Laboratory, New Delhi	Physics, Material Science/Hyperfine Interactions
8.	Dr. Anjan Sidhvantial Joshipura	Physical Research Laboratory	Physic
9.	Dr. Utpal Sarkar	P. R. L.	Physics
10.	Dr. Birmla Buti	P. R. L.	Physics

- (iii) **The following Institutions/Laboratories/Centres were recognised as research centres for conducting Ph. D. Work :**

No.	Institute/Laboratory	Subject	Faculty
1.	Bio-technology Laboratory, G. S. F. C.	Micro-Biology	Science
2.	Plasma Research Institute	Physics	Science
3.	Corporate R & D Hindustan Brown Boveri Ltd.	Electrical Engineering	Technology & Engineering
4.	G. A. C. L. Research Centre	Chemistry & Applied Chemistry	Science & Tech. & Engg.

(iv) The Council also considered and recommended for approval :

- Panels of referees to examine Ph. D./M. Phil. thesis in different subjects
- Recognition as Post-graduate teachers for guiding Ph. D/Post-graduate degrees.
- Extension of period for submitting thesis
- Registration for Ph. D.
- Cancellation of registration for Ph. D.
- Granting eligibility for Ph. D. &
- Other academic items.

2. FACULTIES :

There are twelve Faculties in the University.

Their meetings were held during the year as shown below :

S.No.	Name of the Faculty	Date of meeting
1.	Faculty of Arts	14-3-1990
2.	Faculty of Science	20-2-1990
3.	Faculty of Fine Arts	07-2-1990
4.	Faculty of Performing Arts	08-2-1990
5.	Faculty of Commerce	--
6.	Faculty of Management Studies	18-1-1990
7.	Faculty of Medicine	--
8.	Faculty of Law	--
9.	Faculty of Home Science	07-3-1990
10.	Faculty of Technology and Engineering	03-4-1990
11.	Faculty of Education and Psychology	05-3-1990
12.	Faculty of Social Work	--

Faculty of Science Approved

- The introduction of Formal Practicals in Computer Programming (Optional Paper) at the M. Sc. (Final) in Mathematics.
- The reintroduction of Internal Test System at the Under-graduate level.

Faculty of Performing Arts Approved

- That a Student who comes after a break of a year or more for admission to MPA Course be required to pass Aptitude Test.

Faculty of Technology & Engineering Approved

- The change of nomenclature of M. E. (Fracture Mechanics) degree to M. E. (Applied Mechanics) - Fracture Mechanics.
- The change of nomenclature of M. Text. (Chemical) degree to M.Sc. (Tech.) - Textile Chemistry.
- Introduction of one year Diploma Course in Pharmacy (to be started after obtaining funds from the Government).

Faculty of Education and Psychology Approved

- Introduction of "Humanistic Education" and "Computer Assisted Learning" at B. Ed. level.

The Faculties, at their meetings, also approved the following :

- Revision of Syllabi/Curriculums
- Re-arrangement of Syllabi Unit-wise/area-wise, with weightages given to each unit.
- Changes in Schemes of Teaching.
- Prescribed Text-books.
- Change of Nomenclatures/Titles of Courses/Papers
- Re-distribution of credits for courses
- Revision of rules for examinations, degrees, diplomas and for readmission of students after they fail.

These recommendations have been approved by the Syndicate.

Other Boards & Committees

I. STANDING COMMITTEE ON EQUIVALENCE OF EXAMINATION :

The Standing Committee on equivalence of Examination met on 9th August 1989 and took the following decisions which were approved by the Syndicate.

- i. The report of the action taken by the Vice-Chancellor under 0.177 in deciding the eligibility of 99 students for admission to the various courses of this University for the academic year 1988-89 was noted.
- ii. B.A., B.Sc., B.Com, and M.A., M.Sc., M.Com. examination conducted by Shri Sathyasai Institute of Higher Learning (Deemed University) Parsanthinilayam, A. P., was recognised as equivalent to B.A., B.Sc., B.Com., and M.A., M.Sc., M.Com., examinations of this University.
- iii. B. A. Degree examination of any statutory University in India were recognised as equivalent to graduates, Degree examination of this University for admission to M.B.A., M.C.A., M.Com., M.S.W., LL.B., B. Lib., B. Ed. courses of this University.
- iv. Foreign examinations conducted by the Foreign examining bodies and approved by the AIU as equivalent to 10 + 2 stage was recognised as equivalent 10 + 2 stage for purposes of admission to available Higher Courses of studies in this University.
- v. Bachelor of Social Work examination conducted by the Osmania University was recognised as equivalent to Bachelor's Degree examination of this University for admission to Master of Social Work (M.S.W.) of the Faculty of Social Work of this University.

2. PUBLICATION BOARD :

One meeting was held where the following items/works were considered : and approved by the Syndicate.

- i. Appointment of Seven Members or more on the Advisory Board for the M. S. University Journal under the provision of 0.23 A (2)
- ii. Appointment of Expert-Sub-Committee of Publication Board.
- iii. "Secular Education for National Integration" - CASE Publication.
- iv. "Contribution of Shri Shreyasadhak Adhikari Varga to Literature and Culture of Gujarat" by Dr. Lovekumar N. Desai.
- v. Fresh permission to Dr. H. R. Trivedi of I.C.W.A. Ahmedabad to publish his book " Means of Sanjashtra " at his own cost vide 0.23(a) and subject to condition that copyrights of the revised and enlarged book with the modified title "The saga of a present society and culture in Gujarat " be vested with the University.
- vi. " Hindi Aur Gujarati Kahaniyan Men Vyangya Ka Tulnatmak Anusheelan " by Dr. B. N. Kahar.
- vii. " Bhakti Kavya Ka Punarmulyankan Main Upayogi Sandarbha " by Dr. R. G. Sharma.

3. COMMITTEE OF DEANS OF FACULTIES AND HEADS OF INSTITUTIONS :

Four meetings were held during the year and the following matters were discussed.

- i. Fixation of Terms and Vacations of the Faculties and Institutions for the academic year 1989-90.
- ii. Guidelines for providing financial assistance to colleges to commemorate their centenary and Jubilee years.

iii. Examination programmes of the Faculties of Arts, Science, Commerce, Law, Tech.. & Engg. and Polytechnic rescheduled looking to the General Election of Lok Sabha in Nov. '89.

iv. Information of the University teachers as per University Grants Commission directive for the revision of Pay Scales of the University Teachers.

4. PRESS SUPERVISORY COMMITTEE :

Five Meetings were held during the year and at these meetings the general reports of the Press regarding the working of the Press, Stationery Unit, Publication Sales Unit and Printing Programme, Purchase of Papers, Duplicating Materials, Stationery, Furnitures for D.T.P. Unit, Purchase of Various Chemicals, Tonners for offset unit were discussed and approved by the Syndicate.

5. WARDENS' COMMITTEE :

Two meetings were held during the year and the following recommendations were discussed regarding the favouring items that were later approved by the Syndicate :

- i. General repairing works like Electric, Water Supply, Street Lights etc.
- ii. Security arrangements in the University Halls of Residence and on the Campus.
- iii. Appointment of various committees
- iv. Purchase of new furniture/Utensils etc.
- v. Admission of the Students in the Halls of Residence.
- vi. Purchase of Six Gas Ring Burners.
- vii. The General Funds/Budget

6. BOARD OF EXTRA MURAL STUDIES :

One meeting of the Board was held during the year and recommended different programmes under Extra Mural Activities for which an amount of Rs. 12,000/- was distributed to the Faculties/Colleges.

7. ADVISORY COMMITTEE FOR THE UNIVERSITY HEALTH CENTRE :

One meeting of the Committee was held during the year and the following recommendations were discussed and approved by the Syndicate :

- i. Appointment of Drugs Purchase Committee
- ii. Appointment of Medical RE-imburement Claims Committee
- iii. Proposal to convert the post of Clerk into Senior Clerk.
- iv. Proposal to revise the Grade and granting special allowance to the X-ray Technical Assistant.
- v. Appointment of a committee for future development of Health Service.

8. LIBRARY COMMITTEE :

No meeting was held during the year.

9. ADVISORY COMMITTEE OF NATIONAL SERVICE SCHEME :

One meeting of the advisory Committee of N. S. S. was held during the year on 31-3-89 which approved the report of the Special Campaign Programme and General activities of N. S. S. National Service Scheme, M.S. University of Baroda enrolled 1500 students for regular activities for the year 1989-90. 662 N.S.S. Volunteers participated in the 10 days Camp under the campaign of Youth for Mass Literacy-89. In addition 23 One Day Camps were organised for 530 N. S. S. volunteers to provide exposure to village development work.

- i. Mahatma Gandhi Jayanti Celebration
 - ii. Blood Donation Motivation Week
 - iii. Republic Day Celebration
 - iv. Youth Week
 - v. Yuva Chetan Training Programme
 - vi. Youth for Science and Environment
 - vii. Mass Programme for Functional Literacy
- were organised.

10. UNIVERSITY BOARD OF SPORTS :

The Board held one meeting on 23-8-89 during the year and following items decisions were taken regarding the following items :

- i. Appointment of the Selection Committee for the various Sports and Games for the Inter-University Tournaments.
- ii. Appointments of Coaches in various Games and Sports for the year 1989-90.
- iii. To award Track-suit instead of the Blazer for the Inter-University Tournaments.
- iv. Construction of the Boundary Wall and a well for the development of the Union Pavilion Ground.
- v. Participation of University Teams at Sports-meets at Hissar, Secunderabad, Kolhapur, Anand, Banasthati, Rajpipla, Ahmedabad etc.
- vi. Holding of Inter-University West Zone 'A' Foot Ball Tournament from 7th to 13th November, 1989 at the University Pavilion Ground, Baroda.

11. SELECTION COMMITTEE :

During the Year 1989-90 the following number of Selection Committee Meetings were held :

	<u>Nos. of Meeting</u>	<u>No. of Persons recommended</u>
1. Selection Committee under Section 48(i) & (ii)	16	10
2. Selection Committee for Lecturers	23	20
3. Selection Committee for Class III Posts	13	11

Research Work in the University

I. DURING THE YEAR 105 NEW STUDENTS WERE REGISTERED FOR THE PH. D. DEGREE.

The Faculty-wise break up is :

Arts	--	27
Science	--	40
Commerce	--	01
Education and Psychology	--	04
Fine Arts	--	01
Medicine	--	01
Home Science	--	05
Technology and Engineering	--	20
Management Studies	--	02
Performing Arts	--	04

During the year 1989-90 number of students actively pursuing Ph. D. research work in the various Faculties was as under :

S. No.	Name of the Faculty	Numbers
1.	Faculty of Arts	72
2.	Faculty of Science	98
3.	Faculty of Commerce	33
4.	Faculty of Education & Psychology	25
5.	Faculty of Home Science	11
6.	Faculty of Medicine	23
7.	Faculty of Tech. & Engg.	61
8.	Faculty of Law	04
9.	Faculty of Fine Arts	31
10.	Faculty of Performing Arts	09
11.	Faculty of Social Work	05
12.	Faculty of Management Studies	03
		375

2. RESEARCH SCHEMES FINANCED BY THE UNIVERSITY FOR THE YEAR 1989 - 90

Sr. No.	Name of the Teacher	Title of the Research Scheme
FACULTY OF MEDICINE		
1.	D. C. Master	Citogenetic Edernatoglypic Studies in Mongoloid patient.
2.	(i) M. B. Jain	Physiologic assessment of Cardiopulmonary

Sr. No.	Name of the Teacher	Title of the Research Scheme
	(ii) S. Chandwani	Functions-in Alcoholics and/or smokers.
3.	(i) V. N. Shah (ii) N. C. Shah	Immunologic & Enzymatic study in liner diseases.
4.	(i) B. M. Palan (ii) S. Chandwani (iii) D. R. Trivedi (iv) N. R. Pathak	Identifying the People at high risk to develop chronic stress related somatic symptoms through the use of wikramas eloera's Psycho physiological model.
5.	S. N. Sharma	Study of Agro-Industrial hand injuries.
6.	Nivedita C. Mehta	Estimations of trace metals magnesium and zinc in study of control and complications of diabetes mellitas.

FACULTY OF HOME SCIENCE

- Baljit Kaur
Quality of Class room instruction and intervention strategies for children with learning problems in primary grades.
- (i) Anupama Shah
(ii) Uma Joshi
Testing the effectiveness of an illustrated instructional booklet on puppetry to teach a course on puppetry and home science of under-graduate level.
- Shagufa Kapadia
Self-esteem, Women and development identifying linkages.

FACULTY OF ARTS

- Nalin Anadkat
Indian Pace Studies : A Typology and formulation of the contribution of Gandhi, Nehru and Lohia.
- Sanjiv M. Joshi
External Economic Constraints, adjustment policies and Balance of payment case of Indian Economy.
- D. H. Mohite
Conflict co-operation in Indo-US relations 1947-1987.

M. K. AMIN ARTS AND SCIENCE COLLEGE & COLLEGE OF COMMERCE, PADRA.

- Karnipal K. Bhati
Self and reality in contemporary Indian English Poetry.
- Priyavadan M. Patel
Urban democratic process and the distribution of Public services in Baroda City.

FACULTY OF EDUCATION & PSYCHOLOGY

- S. Kumar
Comparative reliability of Grading and Marking.
- (i) P. Dekhtawala
(ii) R. C. Kothari
A study of the practice teaching programme for the B.Ed. student of the M.S. University of Baroda 1990 - 91.

Sr. No.	Name of the Teacher	Title of the Research Scheme
	(ii) S. D. Patankar (iv) N. Pradhan	
3.	Harsha Jamnadas Patodia	To develop and try-out the strategy for Mastery Learning in Mathematics course in fifth grade.
4.	Sumitra L. Patel	Superstitions Vis-a-Vis Pupils' Psyche.

FACULTY OF SCIENCE

1.	Mrinalini Nair	Cloning characterisation and study of regulation of Expression of Osmoregulatory genes in Klebsiella pneumoniae.
2.	P. C. Mankodi	A study of certain aspects of metabolic activity of fin and myotomal muscles of certain fresh water fishes in relation to growth of fish body size.
3.	Rasheedunnisa Begum	Studies on Homeopathic drugs in relation to lead and Phosphorus toxicity.
4.	H. S. Chaptar	Role of Osmoregulants in Halotolerant fungi in fungal systems.
5.	P. V. Patel	Certain Physiological and Bio-chemical studies in tissues of Diabetic rats.
6.	H. S. Rama	Synthesis and characterisation of conducting polymers.
7.	M. A. Padhya	Application of haploids of Withania Somnifera Dunal for alkaloid production.
8.	Sharad Khar	Influence of Dietary fat on ATPase of liver Mitochondria.
9.	D. M. Shringarpure	Facies relationship in the tidally influenced estuaries of Rivers Sabarmati, Mahi and Dadhar, Gujarat State.
10.	P. P. Patel	Geo-Environmental impact-study of the Dantiwada dam reservoir in North Gujarat Area. A case study.
11.	R. V. Nene	Studies on the detoxifying potential of the Avian Glycogen body.
12.	K. S. Rao	Vascular cambium in Tropical leaves of evergreen and deciduous trees.

FACULTY OF SOCIAL WORK

1.	Thrity G. Vaswani	A profile of the beneficiaries of the marital counselling Agency (Vikas-Jyot) Baroda (1977-87)
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Sr. No.	Name of the Teacher	Title of the Research Scheme
2.	Leena Vihang Mehta	A study of women in Profession of Prostitution in Surat City (1990)
3.	(i) Magan N. Parmar (ii) Jagdish D. Solanki	Study of Motivation personality and academic achievement of Scheduled Cast and Scheduled Tribe students studying in M. S. University of Baroda.

FACULTY OF TECHNOLOGY & ENGINEERING

1.	K. Baba Pai	Corrosion studies on Aged 2091 & 8090 Al-Li-Alloys as Aircraft Materials.
2.	Indradatta I. Pandya	Study and Behaviour of portal frame with different conditions for away effect.
3.	L. H. H. Prasad	Study of Optical properties of Ammonium halides and minerals.
4.	N. M. Patel	Use of Geosynthetics for reinforcing Soil mass.
5.	A. V. Shroff	Influence of various Geodrains on radial consolidation of clays
6.	K. P. Dhake	Synthesis and study of physical parameters of liquid crystals.
7.	D. L. Shah	Grout mix design for compaction grouting.
8.	Arvind Jethalal Shah	Study of vacuum evaporated thin films of Bi-Sn-Chalcogenide and Semiconductor Alloys and Measurements of Electrical and Optical properties of their films.
9.	W. P. Bhagat	Acoustic Measurements and determination of some related parameters in the specimens of Blood.
10.	D. K. Basa	Growth behaviour of faceted Solid Liquid interfaces.
11.	S. P. Rathod	Duodenal ulcers and diltiazar
12.	P. A. Nagar	Purification and study of thermophilic alpha amylase from Bacillus Licheniformis.
13.	R. S. Murthy	Formulation and evaluation of targetted delivery systems containing anti-Malaria drugs.
14.	S. H. Mishra	Preliminary Phytochemical and Pharmaceutical studies on some Drugs of Natural Origin.
15.	R. Balaraman	Anti hypertensive effect of Abana in rats.

Sr. No.	Name of the Teacher	Title of the Research Scheme
16.	Rajani Giridhar	Studies on the Analysis of some antibacterial Drugs and their dosage forms.
17.	G. V. Khokhar	Free convection entitled rectangular enclosure with thermal radiation.
18.	S. A. Puranik	Mathematical Modelling for vapour Liquid Equilibrium data.
19.	K. Ethirajulu	Studies on Supercritical extraction of ethylene glycol.
20.	S. C. Patodi	Development of Pre and Post processors for Nonlinear analysis of Arches.
21.	N. Subrahmanyam	Effect for Ultrasonics on Catalyst preparation and Selectivity.

3. RESEARCH SCHEMES SPONSORED BY OUTSIDE AGENCIES :

The following Schemes in progress have been sponsored by the University Grants Commission, Central Government, Gujarat Government, Planning Commission and other Agencies like the ICAR, CSIR, ICSSR, ICHR, DST etc.

Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
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FACULTY OF ARTS

Department of History

1.	G. D. Sharma	"Presentation Listing Cataloguing & Evaluation and Publication of Manuscripts.	U.G.C. Major Project ongoing	In Progress
2.	G. A. Pandor	"Origin Evaluation of Muslim Communities in Gujarat; An Indepth Historical Sociological Study.	U.G.C. New Delhi Major Project on going	Data collection work has been in progress.
3.	Ravindra Kumar	Study of the Tech. of Medieval Masonry Bridges in India.	ICHR	In Progress

Department of Political Science

4.	Thomas Pantham	(i) Models and Strategies of Socio-Political change.	ICSSR	In Progress, nearing completion.
		(ii) Contemporary Political Thought.	UGC	In Progress

Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
5.	Prof. A.P. Rana	(i) "The Theoretical Study of International Relations" for Second survey of Research in Political Science.	ICSSR	Nearing Completion.
		(ii) The Indo-Soviet Quest for peace and Development.	ICSSR	In Progress

FACULTY OF SCIENCE

Department of Bio-Chemistry

1.	S.D. Telang & L.J. Parekh	Studies the mechanism of action of N-oxalyl-OB diamino-propionic acid in the rat brain.	Department of Atomic Energy	Terminated on 31-8-89 after completing 3 years.
2.	L. J. Parekh	(i) Microbial degradation of Petrochemical waste. (ii) Effect of neurotoxin of L. Sativas on CNS cells cultivated in vitro.	Department of Atomic Energy ICAR	Terminated on 31-12-89 after completing 3 years. Terminated on 31-12-89 after completing 3 years.
3.	S. K. Srivastava	Effect of Polyamines and guidelines on the structure and function of membranes during senescence of plants.	UGC	Terminated on 31-12-90 after completing 3 years.
4.	S. D. Telang	Studies of Polyphosphoinosilids metabolism in rat brain.	UGC	Terminated on 31-12-90 after completing 3 years.

Department of Botany

5.	R. P. Bhatt	(i) Secondary Phloem in Dicotyledons. (ii) Flora of Western Kutch (iii) Cytology, Morphology & Phytochemistry of some rare/threatened plant complexes, from Kutch desert.	UGC Botanical Survey of India. UGC	Work is in Progress Project Completed Work is in Progress.
6.	S. D. Sabnis	Eco-environmental & Wildlife Management Studies on the Sardar Submergence Area in Gujarat.	Sardar Sarovar Nigam Govt. of Gujarat.	Work is in Progress.

Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
7.	A.K. Rakshit	(i) Adsorption of Polymers on solid liquid interface.	Dept. of Atomic Energy, Govt. of India, Bombay.	Work in Progress
		(ii) Physico-chemical investigation of Microemulsion Systems.	Institute of Reservoir Studies ONGC.	Work in Progress
8.	A. C. Shah	Grafting on Polymers	IPCL	Work in Progress
9.	K. B. Nair	Synthesis and characterisation of Antioxidants.	IPCL	Work in Progress
10.	U.V. Chudasama	Synthesis and characterisation of some inorganic ion exchangers and their role as catalysts in some organic reactions.	CSIR	Work in Progress

Department of Geography

11.	Jayshree De	Research Project on "Geographical Perspective of Child Health Care.	ICSSR New Delhi	Rs. 84,000/- Pretesting & Finalisation of Questionnaire for household survey have been completed. Collection of data from health centres is in progress.
	Rolee Kanchan & N.R. Dash	A case study of Vadodara District (for 2 years) commenced from Jan. '90.		

Department of Geology

12.	Departmental Projects	(i) COSIST Programme in Geology.	UGC	Work in Progress.
		(ii) Special Assistance Programme in Geology.	Govt. of Gujarat	Work in Progress
13.	L.S. Chamyal	Studies on the Surface and buried soils of Gujarat.	Govt. of Ministry of Science & Tech. New Delhi.	Work in Progress.

Department of Physics

14.	D.P.Somayajulu	Study of Radiation Induced Defects by Nuclear Reactions.	Nuclear Science Centre (UGC). New Delhi.	Satisfactory.
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Department of Statistics

15.	S.N. Nandi	"Study of Optimal Designs of Control Charts.	U.G.C. (Minor Research Project)	From 8-9-90 (Two Years)
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Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
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FACULTY OF EDUCATION & PSYCHOLOGY

1.	M.M. Shah	Factors affecting the Performance of F.Y. College Students.	U.G.C.	Planning for design and tools.
2.	J.A. Christian	Gifted Children	U.G.C.	Progress satisfactory

FACULTY OF MEDICINE**Pediatrics**

1.	U. J. Modia & S. Aiyer	Neonatal Hypoglycemia	Govt. of Gujarat	On going
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F.N.

2.	P.H. Barai	To compare know age camp subject founding of age.	ICMR	Work is in Progress
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FACULTY OF TECHNOLOGY & ENGINEERING

1.	V. L. Gadgeel & N.S.S. Murti	Role of Heat Transfer in Heat stimulated chemical Reaction	C.S.I.R.	Under Progress
2.	V.L. Gadgeel, P.B. Joshi & N.M. Shah	Network scheme for Development of Powder Metallurgy Lab.	Education Ministry, Dept. of Human Resource	Under Progress
3.	V.L. Gadgeel, S.K. Agrawal, P.B. Joshi, M.N. Patel & S.N. Soman	Network scheme for development of Metal joining laboratory	- do -	- do -
4.	V.L. Gadgeel, N.C. Chourasia, P.B. Joshi & N.M. Shah	Expansion of facilities for Research work in preparation & Characterisation of Materials	- do -	Completed
5.	K.B. Pai & V.L. Gadgeel	Corrosion studies on different Al-Li Alloys in Galvanic coupling with Carbon Fibre composites for Air Craft Applications	A.D.A. Bangalore	Under Progress

Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
6.	S.K. Agrawal M.N. Patel	Weldability studies of Nitrogen Bearing Stainless steels including the use of Nitrogen purging and shielding.		Under Progress

DEPARTMENT OF APPLIED CHEMISTRY

7.	R.A. Vora	Synthesis and study of Polymers having Potential for Application.	University SCF Scheme of ONGC	Good Progress
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FACULTY OF HOME SCIENCE

1.	Kalpna R. Parliker	A study of TRYSEM for rural youth (girls) under IRDP in Baroda district	Department of Rural Reconstruction Ministry of Agriculture Govt. of India, New Delhi.	Project started on 11th Dec. 1989 Completed preliminary round to collect secondary data Prepared & Validated for data collection collection of data from & primary sources began.
2.	Anupama Shah Uma Joshi	Self receptions & problems of single women in Baroda, Gujarat.	ICSSR	Project completed
3.	Tara Gopaldas Subadra Seshadri Shubhada Kanani	Nutrition Research & Training Centre	ICMR	On going
4.	Tara Gopaldas Sundar Gujral	USAID Assisted evaluation of ICDS in Gujarat and Maharashtra	USAID	On going
5.	Tara Gopaldas Ira Pant	Monitoring and Evaluation of child health and Nutrition.	Ford Foundation	On going
6.	Tara Gopaldas & Chakraborty B. K.	Reduction in dietary bulk of young child foods with amylase/amylase rich foods	IDRC	On going
7.	Subadra Seshadri	Child to child Project on Nutrition & Health Education.	AKF	On going

Sr. No.	Name of the Teacher	Title of Research Scheme	Name of Financing body	Remarks regarding the progress of the scheme
8.	A. Verma	(i) Women's studies in Home Science Colleges in India.	ICSSR	On going, to be completed by June '90.
		(ii) Women in International Development, Faculty exchange program.	UGC & USIA	On going
9.	T.S. Saraswathi	(i) IDRC-HDFS Research Network	IDRC	On going initiated in Jan., 1990.
		(ii) Departmental Special Assistance Scheme	UGC	Approved in March '90.
		(iii) Grant of 84,000 for 1990-92 to initiate a research network in Human Development & Family Studies	IDRC	On going
10.	P. Mohite	Review of Researches in ECCE in India. Teacher Award Scheme.	ICSSR	Completed in March 1990.
11.	I.P. Mallya	A viable child life program in hospital setting of Baroda, Gujarat.	ICSSR	Completed in Jan. 1990.
	B. Kaur	A follow-up study of the children of Bastar	NCERT	Initiated in Jan. 1990

Visiting Lecturers

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

A. Lectures delivered under University Grants Commission Scheme of Exchange of Teachers.

S.No.	Name of the Lecturer	Date	Subject
FACULTY OF SCIENCE			
	Prof. Radha Shanmugal Sundaram University of Madras, Madras.	5.1.1990	'Jeevanya a dietary supplement in the prevention of a gastric cancer'.
FACULTY OF COMMERCE			
1.	Prof. N. M. Khandelwar Saurashtra University, Rajkot	15.12.89	'National Test for IRF Lecturer'.
2.	Prof. N.M. Khandelwar Saurashtra University, Rajkot	16.12.89	'Depreciation of Accounts'.
3.	Ms. M. Krishna, Planning Commission, G.O.I.	29.1.90	'Role of Banks Under IRDP.'
4.	- do -	30.1.90	'Role of Financial Institutions in Rural Development.'
5.	Prof. A. Shankaraiah Kakatiya Uni. Warangal.	9.3.90	'Horrigous of Accounting.'
6.	- do -	10.3.90	'Modern concepts of Management.'
7.	Prof. J. V. Prabhakar Andhra Univ. Visakhapatanam.	19.3.90	'The changing role of public sector in India.'
8.	- do -	20.3.90	'Privatisation of public sector problems & prospectus.'
MEDICAL COLLEGE			
1.	Dr. Meenas Desai Pediatrics	10.3.90	Pediatrics Endocrinology
2.	Dr. M. B. Agrawal	25.3.90	Pediatrics entrology
FACULTY OF MANAGEMENT STUDIES			
1.	Dr. P. R. Das G.A.C.L., Baroda	18.4.1989	Public Systems Management
2.	Dr. Rashmi Mayur Urban Development Institute, Bombay	23.8.89	Environment and Industry

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|----|---|--------------------------------|-----------------|
| 3. | Fr. A. C. Jesurajan
XLRI, Jamshedpur | 20th and 21st
December 1989 | "Communication" |
|----|---|--------------------------------|-----------------|

B. LECTURES DELIVERED UNDER THE EXTRA MURAL SCHEME OF THE UNIVERSITY**FACULTY OF ARTS****Department of History**

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|----|---|----------------------------|--|
| 1. | Dr. V. S. Bhargava
Ajmer | 9.1.90
to
26.1.90 | 1. M. A. I Students Consolidation and
Climax of Colonial Rule in India |
| 2. | Prof. R. G. Parikh
Saurashtra University
Rajkot | 14.12.89
to
28.12.89 | 2. M. A., II Modern Europe
M. A. I - Age of Gandhi
M.A. II - Modern Asia |
| 3. | Dr. K. Mitra
I.C.H.R.
New Delhi | 31.1.90
to
16.2.90 | M. A. II - Economic History of Modern
India
M.Phil. - Research Methodology |

Department of Political Science

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|----|--------------------|----------------|----------------------|
| 1. | Dr. Ghanshyam Shah | 11th Oct. 1989 | "Democratic Theory". |
|----|--------------------|----------------|----------------------|

Department of Linguistics

- | | | | |
|----|-------------------|---------------|---------------------------------|
| 1. | Dr. H. C. Bhayani | 2nd Feb. 1990 | Historical syntax Two lectures. |
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FACULTY OF SCIENCE

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|----|--|-------------------------|--|
| 1. | Dr. A. J. Patel
National Institute for
Medical Research London | 5.12.89 | Brain development and thyroid hormones |
| 2. | Dr. A. J. Patel
National Institute for
Medical Research London | 6.12.89 | Trophic factors and cholinergic system in
the CNS |
| 3. | Prof. A. M. Siddiqui
Aligarh Muslim Uni.
Aligarh. | 22.7.89 | Hypolipidemic mode of action of
3-hydroxy, 2-methyl glutaric acid (HMG) |
| 4. | Dr. Ramesh Garimella
North West Missouri Uni.
U.S.A. | 12.1.90 | Derivation on cumulative Branch
Algebra |
| 5. | Dr. R. R. Mahadavan | 8.2.90
to
10.2.90 | Mycobacterial infection |
| 6. | Dr. R. P. Dixit | 19.2.90 | Cloning, sequencing & Homology
analysis of the gene regulating alginate
biosynthesis in pseudomonas aeruginosa |

6A	Dr. R.P. Dixit	20.2.90	Bacterial haemoglobin gene V tab, some recent basis and applied genetic engineering experiments
7.	Dr. S. F. D'Souza	21.2.90 and 22.2.90	Enzyme engineering and downstream processing

FACULTY OF EDUCATION & PSYCHOLOGY

1.	Prof. A. Sultan Akhtar	7.12.89	"HRD in Unorganised sector"
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Department of Psychology

2.	Principal Zenith Higher Secondary School, Baroda	1.3.90	Educational aspects
3.	Principal Lal Bahadur Shastri Vidyalaya, Baroda	8.3.90	Educational aspects

FACULTY OF COMMERCE

1.	Shri R. R. Patwa Bank of Baroda.	16.10.90	"Uniform customs & practices for Documentary letters of credits."
2.	Prof. V. M. Huku Uni. of Jodhpur, Jodhpur	27.1.90	"Some contemporary Issues in Banking in India."
3.	Dr. M. K. Desai Nagarik Sahakari Bank Karamsad	29.1.90	"Management of co-operative Banking reference to Banking regulation Act. 1949."
4.	Shri D. G. Desai Alembic Chemicals, Baroda	31.1.90	"Advertising Concept & Strategy."
5.	Dr. Ç. R. Reddy S. K. University, Anantpur (A.P.)	14.2.90	"Quantity Methods for Management Decision."
6.	Shri R. H. Bhatt Former Joint Registrar Co-operative Societies Gujarat State	17.2.90	"A Commentary on Gujarat Co-operative Societies Act, 1961."

FACULTY OF HOME SCIENCE

1.	Dr. B. Nadhrahaman IEMA Anand.	-	One day Management of Research
2.	Mrs. Mandaben Patel Gujarat State Parishyam Naranpura, Ahmedabad.	-	Enterpreneurship among women
3.	D. HSR Desikachar	23.1.90 to 16.2.90	Product development

FACULTY OF LAW

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|----|----------------------------------|------------------------|--|
| 1. | Justice J. P. Desai
(Retired) | 29.12.89 &
30.12.89 | Crime and Punishment |
| 2. | Prof. B. M. Shukla | 11.1.90 &
12.1.90 | Legal Rights (Jurisprudence) and Right to work |
| 3. | Shri S. B. Bhattacharya | 1.2.90 | Income Tax Laws |
| 4. | Prof. Yogeshbhai Mehta | 28.12.90 | Corporate Collapses and Company Law |

MANAGEMENT STUDIES

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|----|--|----------|---|
| 1. | Mr. J. A. Mankodi
I.P.C.L., Baroda | 5.3.90 | New Objective-Oriented appraisal system". |
| 2. | Professor A. Shankeriah
Katkatiya University Warangel | 9.3.1990 | "Dynamics of Subordinacy." |

POLYTECHNIC

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|----|--|---------|--|
| 1. | Shri P.K. Rao
I.O.C. New Delhi | 17.7.89 | Petroleum testing & significance |
| 2. | Shri I. G. Chaudhari
G.N.F.C. Bharuch | 27.7.89 | Pump Operation |
| 3. | Dr. K. N. Ponami
I.P.C.L., Baroda | 24.3.90 | Role of Technicians in Research Programme I.P.C.L. |

C. LECTURES DELIVERED UNDER ANY OTHER SCHEME.**FACULTY OF ARTS****Department of Hindi**

- | | | | |
|----|---|------------------------|---|
| 1. | Prof. Sudarshan
Bhavnagar University
BHAVNAGAR | 12.2.90 | Swatantryottat Hindi Vyanga

Harishankar Parsai Swatantryottar Vyanga.

Swatantryottar Hindi Natak
Bhartiya Bhashaon mense Anudeet Natak |
| 2. | Dr. Ambashankar Nagar
Gujarat Vidyapith
AHMEDABAD | 15.1.90

16.1.90 | Hindi Sahityaka Suvarnakal
Sant Sahityaki Gunavatta Aur Prasangikta

Ritikalini Kavyaka Punarmulankan Bihariki Vagvibhuti |

Department of Political Science

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|----|--|---------|---------------------------|
| 1. | Dr. Stanley Bach,
Congressional Research
Analyst, USA. | 7.12.89 | "The U. S. Constitution." |
|----|--|---------|---------------------------|

2.	Prof. Preston King, University of Lancaster	19.12.89	"The logic of Typologies in Comparative Govt. and Politics."
3.	Prof. B. C. Parekh University of Hull	20.12.89	"Contradictions in Nehru's Political Thought
4.	Prof. W. H. Morris-Jones Former Director, Institute of Commonwealth Studies, University of London	28.2.90	"The changing Indian States"
	- do -	28.2.90	"India in the world of the 1990s."
5.	Prof. Feed Dallmayr University of Notre Dame	10.3.90	"Heidegger and Modernity."
		12.3.90	"Gadamer and Mermeneutics."
		13.3.90	"Paul Ricoeur's Political Theory."
6.	K. J. Holsti	14.12.89	"The State and War."
	- do -	14.12.89	The Study of International Relations : The Search for Coherence in an Intellectual Labyrinth."
	- do -	15.12.89	"The State of War."
	- do -	16.12.89	"The States System and War : One Theory or Two ?

FACULTY OF SCIENCE

1.	Dr. H. C. Srivastava ATIRA Ahmedabad.	24.1.1990	Gaur gum and its applications
2.	Prof. P. N. Joshi Poona University, Poona	28.9.1989	Makers for Cancer
3.	Dr. R. K. Rao University of Arizona, Tucson, U.S.A.	27.3.1990	Gastrointastinal processing of eyidernal factor

MEDICAL COLLEGE**Department of Obst & Gynaec**

1.	Dr. M. N. Hazra Chair the seasons for guest lecture by Dr. S. V. Khandawala 3rd Annual Conference. Indian Association Gyn. endoscopy.	24.12.89	Laproscopy surgery
2.	Invited to give talk 23rd All India ONG conf Patna	20.12.89	Never concept in IInd trinester MIP
3.	Invited to give talk at Navraji Wadia Hosp. by Indian Society of Perinatology and reprod. Uctive biology (West Zone)	6.3.90	Post doctorate Course in perintal medicine

Department of Ophthalmology

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|----|------------------|---------|------------------------|
| 1. | Dr. Vasavada | Nov. 89 | I.G.L. |
| 2. | Dr. Sunil | Feb. 90 | Ratina-New development |
| 3. | Dr. Daljit Singh | Dec. 89 | I.O.L. |

FACULTY OF HOME SCIENCE

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|----|-------------------------|--------------------------|---|
| 1. | Dr. L.S. Saraswathi | July, 20th-25th
1989 | a) Participatory research
b) Problems and prospects in field investigation
c) Off the beaten path of scientific investigations. |
| 2. | Ms. Shirin Choksey | Aug. 26th-27th
1989 | Music and movement |
| 3. | Dr. Pratibha Karanth | Sept. 7th-8th 1989 | Developing communication skills in disabled children. |
| 4. | Dr. (Mrs.) Bindu Prasad | Sept. 14th-15th,
1989 | Parent education and involvement for learning of disabled children. |
| 5. | Dr. Vanaja Ramprasad | Oct. 3rd, 1989 | Concept of development : The myth and the reality. |
| 6. | Dr. U. N. Dash | Dec. 4th-9th, 1989 | Application of statistics for research in human development & family studies. |
| 7. | Prof. G. Misra | Dec. 15th-16th, 1989 | Problems in Psychological measurement prolonged deprivation scale. |
| 8. | Dr. B. N. Puhan | - | Psychological measurement : Scaling measurement problems, common psychometric technique and establishing reliability and validity. |
| 9. | Mrs. Jaya Subramanyam | 23rd-24th, 1990 | Music experiences for young children. |
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Faculty of Arts

1. COURSES OF STUDIES :

English Department

- i. New Courses : A paper on Comparative Literature at M.A. I
- ii. Additional facilities : Option at M.A. I (Paper IV) Options offered : American Literature Canadian Literature Comparative Literature English Language Teaching.

Sanskrit, Pali & Prakrit Department :

The department started one more optional Course of Additional Sanskrit at F.Y.B.A. in the group of Modern Indian Languages.

Political Science Department :

New Course started during the year : Selected Contemporary Political Thinkers (M.Phil Course)

2. PUBLISHED ARTICLES/PAPERS :

Name/s	Title	Name of the Journal, wherein published with date of publication.
Department of Gujarati		
S.M. Dave	(i) તરંગ એક મિત્રાક્ષરી	ઉમાશંકર જોષી સર્જક પ્રતિભા મંદિત ઓઝા સંપાદક May 1989
	(ii) ડૉ. ઝિવાગો, બોરિસ પ્રાર્થના	નોબેલ-નવલ વિશેષ મંદિત ઓઝા Dec. 1989
	(iii) સાહિત્યીક તથ્યોની માવજત (અવલોકન)	'એતદ' જુલાઈ - સપ્ટેમ્બર, 1989
L.M. Desai	(i) Hayavadan : a Comparative Study of 'Pushtigayak no Kavi DAYARAM'.	Satrasamvad-2 Akshra, Baroda April-89.
	'Yugaprabhav' Dipotsavi issue Oct. 89.	
S.J. Panchal	(i) 'Ane Chhelle'-1	ETAD-APRIL 89
	(ii) 'Ane Chhelle'-2	ETAD-July 89, Oct. 89
	(iii) 'Ane Chhelle'-3	ETAD-Jan. 90
S.N. Pandya	*ધ ઓલ્ડ મેન એન્ડ સી* અર્નેસ્ટ હેમિંગ્વે	નોબેલ નવલ વિશેષ મંદિત ઓઝા - સંપાદક ડિસેમ્બર - ૮૮
J.L. Parmar	(i) Language in Short-Story'	Satrasamvad-2 Akshra, Baroda- April, 89

	(ii) Pavanani Vyaspith A book review	'Adhita' - 89
N. S. Mehta	(i) Diction of Tamane Phool Dhidhanuyad A Poem by Ramesh Parekh	Kankawati-Jan. 1990
R.K. Soni	(i) Shridharani's Plays	'Parab' April 89
Hindi Department		
P.R. Bafna	Urvashi Ki Prasangikta	VINA (INDORE) March '90.
English Department		
O.P. Juneja	(i) "Canadian Discourse on Nature and Technology "	In Jameela Begum (ed.); Post Colonial Preoccupations in India and Canadian Fiction University of Kerala Press, 1989.
	(ii) Ambivalence	New Delhi : Allied, 1990.
	(iii) The Tropical Leaf : Indian perspectives in Canadian Studies	New Delhi Manohar Books 1989.
Department of Sanskrit, Pali & Prakrit		
R.I. Nanavati	ऋगुमुक्ती	*युगप्रभात दीपोत्सवी ८८
S.G. Kantawala	(i) Marriage & Family in the Mahabharat : Some Aspects કાલીદાસની પ્રકૃતિ નિરૂપના	Moral Dilemmas in the Mahabharat (ed. B.L. Matilal, Shimla, 1989.) *કાલીદાસ (અનુભાવન અને આસ્વાદ) સં. જ્યાનંદ ભાઈ દવે, રાજકોટ ૧૯૮૦
U.S. Deshpande	(i) રામાયણના કેટલાક વચનામૃતો શ્રી વર્ણકર પરિજ્ઞાનામ અર્વાચીન સંસ્કૃત સાહિત્ય સેવા	*યુગપ્રભાવ ઓક્ટોબર ૮૮ વિ વભાષા ઓક્ટોબર ૮૮
J.A. Jani	તત્વાર્થદીપનિબંધ (અનુવાદ અને ટિપ્પણ)	આચાર્યશ્રી વલ્લભ (માસિકમાં ૧૯૮૮-૧૯૯૦ દશમ્યાન હપ્તાવાર)
B.P. Pandya	યશશશરણાટકમ અજ્ઞાતસ્તોત્ર	*આચાર્યશ્રી વલ્લભ * જુન-જુલાઈ ૧૯૮૮
Department of Persian, Urdu & Arabic		
S. Siddiqui	(i) Naui Khabushani	Jamia Monthly=NEW DELHI, May-89 issue
	(ii) Bahram Sagga	Bahran Monthly Delhi-Feb., 1990
Maqsood Ahmed	Makhtutatun to Baruda bild Hind	Al-Batch at Islamia, July-89 LUCKNOW
Anwar Zaheer	Khalish Barodavi	Vol. 2 No. 5, 'Tawajan' Sep-Oct., 89

Department of Archaeology and Ancient History

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|----------------------------|--|---|
| K.T.M. Hegde | (i) A Chapter on Science and Technology in Ancient India | A Comprehensive History of India Vol. IV, Part II, Edited by Satish Chandra, R. S. Sharma and K. M. Sharma, Indian Council of Historical Research, New Delhi, 1990. |
| | (ii) Excavation of Nagwada | 2001, December. 1989 |
| K.T.M. Hegde & Ajit Prasad | (iii) Prehistory of the Orsand Valley | Journal of Ancient Indian History, Vol. XVIII, 1990 Calcutta. |
| V.H. Sonawane | The Earliest Pulley shaped Terracotta Ear-ornament of Gujarat - A Case Study | Dimensions in Indian Archaeology and History, Eds. S. K. Pandey, and K.S. Ramachandran, December, 1989. |

Department of History

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|--------------|---|--|
| Geeta Bajpai | (i) "Some Nineteenth Century Documents from the Baroda State." | Proceedings of the 52nd Session of the Indian Historical Records Commission, Srinagar, 1989. |
| | (ii) A Brief Review of Aspects of Agrarian Urban Economy of British Gujarat (1860-1900) | Proceedings of the Indian History Congress, 49th Session Dharwad, 1989. |

Department of Political Science

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|----------------|--|--|
| Thomas Pantham | "Review Article on Gandhian Studies." | Indian Journal of Social Science, Vol. III, No. 1, January-March, '90. |
| A.P. Rana | (i) "Foreign Policy and Development in the Third World." | Profiles of Indian Government and Politics : Essays in Honour of Professor S.V. Kogekar (N.R. Inamdar, Ed., Poona Viswanil Publications. 1989) |
| | (ii) "International Theory and Third World Developmental Praxis in world Affairs : A Postulated Indian Concern." | in K.C. Markandan, ed., Concern of Politics : The Indian Context (Jalandar : ABS Publications, Jalandar 1989). |
| | (iii) "The Nonaligned Movement in the Nineties : A Crisis of Nomenclatural Identity." | World Focus, June 1989 (Special Issue on : "The Nonaligned Methodology for the Belgrade Nonaligned Summit, 1989). |
| | (iv) "The Study of the Foreign Policy of India : Critique and a Proposal." | Development, Politics and Social Theory : Essays in Honour of Professor S.P. Varma In Iqbal Narain, ed., (New Delhi : Sterling, 1989). |

	(v) Integrative Possibilities of Regional order in the Third World : The Theoretical Landscape."	Regional Organisations A Third World Perspective in Rama S. Melkote, ed.,(New Delhi : Sterling publishers, 1990).
	(vi) "The Study of International Relations in India : State of the Field Colloquia and Conference Reports."	Studying International Relations : The Baroda perspective", Volume 2, No. 2, 1989.
	(vii) "Strategic Considerations in Indian's Foreign Policy : A preliminary Framework of Enquiry."	Reflections on Indian Foreign Policy B.M. Jain, ed., Jaipur, RBSA Publishers, 89.
V.G. Nandedkar	(i) District Planning : A participative process." (in Gujarat)	In Panchayati Raj and Development, ed., by Pravin Sheth (Ahmedabad, Nehru Birth Centenary Celebrations Committee, 1989)
	(ii) "Development and Population"	Yojana, Special Republic Day Number, 26 January, 1990.
	(iii) "Non-official Leadership and Development."	In Revival of Panchayati Raj : Trends and Problems eds., B. C. Shah and J. N. Pandya (Vallabh Vidyanagar, Sardar Patel University, 1989).
Dilip Mohite	The American President and the Congress : A Case for Rethinking	India Quarterly. August-September 1989
H.C. Shukul	Perestroika and Glasnost	Vishwa Manav May-June 1989.
Nalini Anadkat	The Debris of Post-independence Idealism; Theories of Local-Self Government Re-examined	Published in an edited book by B.C. Shah, J. N. Pandya, (Ed.) Revival of Panchayati Raj : Trends and Problems, by Sardar Patel University, V.V. Nagar, Gujarat, 1989-90.
Kanti Bajpai	"Security and Regional Association in South Asia."	Swords and Ploughshaves, Vol. IV, No. 2, December 1989.
Department of Economics		
M.M. Dadi (Jointly with S.R. Hashim)	Mortality and Survival of Small Scale Industrial Units.	Productivity January-March, 1990
Maya Shah	Key Paper entitled Recent Developments in Theories of Consumer Behaviour under Uncertainty."	Proceedings of Gujarat Economic Association 20th Annual Conference March, 1990.

- L.A. Rede (i) Scope for Privatisation in India Through Divestiture and Denationalisation." Asian Journal of Economics and Social Studies Vol. 6, (No. 3 1987) Sept. 1989.

Department of Philosophy

- H.M. Joshi व्यक्तित्वનું ચિंतન स्वाध्याય 'ઓરિએન્ટલ રિસર્ચ ઇન્સ્ટીટ્યુટ' વહેદરા મે ૧૯૮૮.

3. BOOKS & MONOGRAPHS

Department of Hindi

- B.D. Sharma Bharatme in Krantikari Andolan Aur Maharaja Sayajirao Gaekwad-III Pub. Pushtakalay, C/o. Govindram Haramamd, Ansari Road, NEW DELHI Feb. 1990

Department of Sanskrit, Pali & Prakrit

- R.I. Nanavati (i) સંસ્કૃત કાવ્યશાસ્ત્રમાં વર્ગીકૃત વિચાર યુનિવર્સિટી ગ્રંથનિર્માણ બોર્ડ ગુજરાત રાજ્ય અમદાવાદ ૧૯૮૮
(ii) શ્રી વિમલાચાર્ય વિરહિત સંગ્રહમ મન્યતી (ગુજરાતી અનુવાદ) સંસ્કૃત સેવા સમિતી અમદાવાદ ૧૯૮૮.

- U.S. Deshpande (i) The Glimpses of Indological Heritage Good Companions, Baroda-1989
(ii) Rasikavinoda of Kamalakara Bhatta Shalaka Publications, Bombay-1989.

Department of History

- Gita Bajpai Agrarian Urban Economy and Social change. Daya Publishing House, New Delhi, 1989.

Department of Economics

- A. U. Nanavati "Economics of Alternative Fuel Technology in Railway Transport. Ajanta Books International New Delhi, Nov. 1989

4. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCE ETC.

Department of Gujarati

- Harshad Trivedi (i) મીરાનું વ્યક્તિત્વ અને કવિત્વ હસિત ભુયની દેવેણી હસિત ભુયની કૃતિઓ ની સમીક્ષા, ગ્રંથગોળી જુન ૮૮
(ii) સાહિત્યીક વિવેચનનો ભાષાવૈજ્ઞાનિક અભિગમ સાહિત્ય અને વિકાસો સરદાર પટેલ યુનિવર્સિટી ૨૧ ફેબ્રુઆરી ૧૯૮૦.
- L.M. Desai રસસીધ્ધ કવિ દયારામ Bhakta Kavishri Dayaram Janma Jayanti Mahotsava Dabhoi, 12.9.89.
- S.J. Panchal 'Ravji Patel's Fiction.' Teachers' Conference held at Anand, February-1990.

Department of Hindi

R.D. Pathak

- (i) Swanitantroiyattar Vyang in i Hindi Literature at Deptt. of Hindi Bhavnagar University Bhavnagar. 11th & 12th Nov. '89.

Mythivyangka ka Sashakta Upakaran

- (ii) Seminar on Samkalin Hindi Sahitya Organised by Akhil Bhartiya Hindi Sanstha Sangth, NEW DELHI at Gujarat Vidyapith Ahmedabad 24th, 25th Feb. '90.

Brief Survey of Samkalin Hindi Sahitya

R.N. Talati

Samkalin Sahitya Me in Naitik Mulyon.

Department of English

B.N. Shah

S.P. University, Vallabh Vidyanagar November, 1989.

Psychoanalysis and Freud's Idea of Criticism.

O.P. Joneja

(i) S.P. University, Vallabh Vidyanagar (17-18 November, '89).

Canadian Discourse on Nature, Technology and Society.

(ii) S.P. University, Vallabh Vidyanagar (27-28 Nov., '89

Foucault's Theory of Discourse and Third World Literature.

(iii) University of Poona, Pune (12-15 March, 1990)

Marginality : A Creative Force in Canadian Women Writing

S.P. Pandya

S.P. University, Vallabh Vidyanagar (27-28 November, '89)

Third World Feminist Criticism

S.G. Palkar

(i) Banaras Hindu University Varansi (9-11 November, '89)

That Long Silence

(ii) S.P. University Vallabh Vidyanagar (27-28 November, '89)

New Criticism and After

(iii) University of Poona, Pune (12-15 March, 1990)

Woman and Society

K.P. Bhati

University of Jodhpur Jodhpur (22-24 March 1990)

Memories of a Captive Safety : Imtiaz Dharker's Pundah and other Poems.

Department of Sanskrit, Pali and Prakrit

R.I. Nanavati

(i) Adi Sankaracharya 12th Centenary Seminar Adhyatma Jnana Mandir & Sanskrit Seva Samiti, Ahmedabad 6 to 10, May, 1989.

शंकर द्विभोज्य भारत यात्रा

	(ii) Hemachandra Nineth Centenary Seminar by Gujarat Sahitya Akadami (Gandhinagar) & Chunilal Gandhi Vidyabhavan, (Surat) 14-15 July, 1989 Surat.	કાત્યાનુ શાસનનો અલંકારાધ્યાય
	(iii) Kalidas Seminar by Sanskrit Seva Samiti (Ahmedabad) 16th July, 1989 Surat.	કાલીદાસના નાટકોમાં સંવિધાન ક્ષા
	(iv) National Seminar on Modern Sanskrit Literature, Sanskrit Department, Dr. H.S. Gour University Sagar (M.P.) 5/6/7 Dec. 1989. Sagar.	સ્વાતંત્ર્યના ત્તર લલિત સંસ્કૃત વાડમય ગુજરાતકા પ્રયત્ન
	(v) West Zone Drama Workshop and Seminar, Udaipur Kalakendra (Udaipur) & Sanskrit Seva Samiti, (Ahmedabad) 8/9 Dec. 1989. Ahmedabad.	વિદુષક
S.G. Kantawala	(i) Guj. State Uni. & College Sanskrit Teacher's Association : 15th Session 23-25 Dec. 1989 Bhavnagar.	સત્યનારાયણુગ્રન્થ કથા
	(ii) National Seminar on Indian Response to German, Lit. German Deptt. Faculty of Arts M.S. University 11-12 Sept.,1989.	Chairperson's Address : (German Lit. & Indian Lit. Some Aspects)
U.S. Deshpande	(i) GSUCSTA, Bhavnagar, Jan. 1990.	Relevance of Allegorica. Plays in Modern Days.
	(ii) Annual Seminar, Arvinda Ashram, Baroda, October 1989.	અર્વાચીન સંસ્કૃત સાહિત્યમ
J.A. Jani	(i) Hemachandra Ninth Cent. Seminar, Gujarat Sahitya Akadami (Gandhinagar) 14-15 July, 1989, Surat.	સિદ્ધધૈમ શબ્દાનુ શાસનમાં પરિભાષાસુત્રો એક અધ્યાયક
	(ii) Adi Sankaracharya XII Centenary Seminar, Adhyatma Jnana Mandir Ahmedabad, 6-10 May, 1989.	શ્રી શંકરાચાર્ય ભક્ત તરિકે
B.P. Pandya	ક્રતિવ્ય અર્થશાસ્ત્ર શિબીર Maharshi Academy of Vedic Research of Santram Mandir, 21-23 May, 1989. Nadiad.	ક્રતિલીય અર્થશાસ્ત્રમાં નિરુપતી દુતવ્યવસ્થા આચાર્ય હેમચન્દ્રનું યોગશાસ્ત્ર

L.M. Joshi

Hemchandra Ninth Cent. Seminar,
Gujarat Sahitya Akadami (Gandhinagar)
14/15 July, 1989 Surat.

આચાર્ય હેમચન્દ્રનું યોગશાસ્ત્ર

Department of Archaeology and Ancient History

V.H. Sonawane

(i) Archaeology of Gujarat,
Gujarat State Archaeology
Western Circle, Rajkot, 9/9/1989.

Pre-History of Gujarat Problems
and Perspective.

(ii) Annual Conference of IAS,
ISPUS and IHCS, Deptt. of
A.I.H.C.A. Nagarjuna Univ.
Nagarjunana-gar, Guntur,
22-24 Dec. 1989.

Excavation at Nagwada 1988-89 A
Preliminary Report.

(iii) Rock Art of India Deptt.
of Archaeology and Museum.
Govt. of M.P. Bhopal, 5-7- March
1990.

Rock Paintings of Gujarat.

S.S. Srinivasan

(i) XVI Annual Congress
Epigraphical Society of India
Mysore, 16-18 Feb. 1990.

Historical aspects as gleaned from
the select palias (Memorial stones)
from Gujarat.

(ii) Gujaratna Itihansa Sadhahoni
Samiksha Gujarat Vidyapith
Itihans and Sanskrit vibhag
Ahmedabad 1-3 March, 1990.

Interpretation of stone inscriptions
of Gujarat in uniting history.**Department of History**

Ravindra Kumar

Indian History Congress,
Gorakhpur, Session, Dec., 1989

Irrigation Technology in Medieval
India : A Study of Satpula Weir.**Department of Philosophy**

H.M. Joshi

(i) Gujarat Tatvajnan Parishad,
presidential Lecture 26-28 Jan.
'90 (Gandhinagar)

Fact and Interpretation in History

(ii) 63rd Session of Indian
Philosophical Congress,
Ahmedabad 15-17 October, '89.

Science and Philosophy in K.C.
Bhattacharya's Thought.

(iii) U.G.C. Seminar on Literature
S.P. University Vallabh
Vidhyanagar, 20-22 Feb. '90.

Philosophy and Literature
Existentialism and Phenomenology.

Nitin J. Vyas

(i) A Seminar on Sankar's
philosophy held at Gujarat
University by Adhyatma Vidya
Mandir Ahmedabad (7-10
May '89)

Shri Sankaracharya & Nav-
Jagaran.

	(ii) 34th Akhil Bhartiya Darshan Parishad Sectional Presidential Lecture-Agra University (12-14 October '89)	Tattvika Sattasodha EK Punaravartan.
Yogini G. Nighoskar	All India Philosophical Congress, Gujarat University, Ahmedabad. dt. 15-17 Oct. '89.	As Symposist on "Concept of Beauty."
Department of Political Science		
Thomas Pantham	(i) International Conference on Nehru, University of Hull, U.K., May 4/6/1989.	Nehru's Political Ideology Reconsidered.
	(ii) Joint India-China Seminar on Interaction Between Tradition and Modernity Chinese Academy of Social Sciences, Beijing, 30 October-2 November 1989	"Gandhi, Nehru and Modernity. "
	(iii) Seminar on "Citizenship Subjectivity and Democratic Theory : The American Contribution", ASRC, Hyderabad, November, 21-23, 1989.	"The Kantian Person in Rawls's Theory "
	(iv) Conference of the IPSA Research Committee on Political Philosophy, Nehru Memorial Museum and Library, New Delhi, December 14-16, 1989.	"The Devilish Individuals as Just citizens."
	(v) National Seminar on the Philosophy of the Social Sciences, Kota Open University, January 1-2 1990.	"Post-Structuralism and Political Inquiry."
A.P. Rana	(i) "Co-operation, Discord and the Conditions for peace in International society." Joint Annual Convention of the British International Studies Association and the International Studies Association, London, U.K. 28 March to 1st April, 1989.	"Nonalignment and the Expansion of International Society : A Grotian Perspective on India's Foreign Policy Strategy."

	<p>(ii) "The Indo-Soviet Quest for peace and Development." Indian Council of Social Science Research Indo Soviet Joint Commission, for Co-operation in the Social Sciences. New Delhi October 24-26, 1989.</p>	<p>"The Indo-Soviet Quest for peace and development : A Conceptual Framework and Review."</p>
	<p>(iii) Eight Conference, Gujarat Rajyashastra Mandal, Sardar Patel University, Vallabh Vidhyanagar, 18-19 Nov. 1989.</p>	<p>"India's Emerging Role in South Asia." (Panel Chairman's paper)</p>
<p>V.G. Nandedkar</p>	<p>(i) Seminar on "Panchayati Raj and Development" Nehru Birth Centenary Committee, Gujarat State, Gandhinagar 23-24 July, 1989.</p>	<p>"District Planning : A participative process."</p>
	<p>(ii) National Seminar on "Role of local Government in Environment Management." University of Rajasthan and Government of Rajasthan (Dept. of Environment) 5-7 March, 1990.</p>	<p>"Solid Waste Management : An Input in Environment Management."</p>
	<p>(iii) 46th All-India Political Science Conference Pune, 3-5 November 1989.</p>	<p>i) District Planning in Maharashtra and Gujarat."</p>
	<p>(iv) Western Regional Seminar on Panchayati Raj : Perspectives and Prospectus. Dept. of Political Science, M.S.U. 11-13 Jan. 1990.</p>	<p>ii) Rapporteur for panel on Maharashtra.</p>
	<p>(v) Western Regional Seminar on Panchayati Raj : Perspectives and Prospectus. Dept. of Political Science, M.S.U. 11-13 Jan. 1990.</p>	<p>"District Planning Praxis and Perspectives."</p>
<p>H.C. Shukul</p>	<p>On Nehru, Organised by Vikram University, Oct. 7-9, 1989</p>	<p>Nehru-Nonalignment and Modernization.</p>
<p>Nalin Anadkat</p>	<p>(i) Panchayati Raj perspectives and Prospectus Deptt. of Political Science, M.S.U. January 11-13, 1990.</p>	<p>i) Rajni Kothari's Model of Development : An Experiment in Thinking Globally and Acting Locally.</p>
	<p>(ii) Peace and Growth : Gandhian Point of View at Gujarat Vidyapith, Ahmedabad, March 29-31, 1990.</p>	<p>ii) Gandhi on peace : An International Dimensions.</p>

Anand Mavalankar	Seminar on "India's Foreign Policy in the 1980s." at S.N.D.T. Women's Univ. Baroda March, 2 1990.	"India's Foreign Economic Policy in the 1980s."
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Department of Linguistics

Bharati Modi	(i) Dept. of Linguistics Osmania Univ. Hyderabad (19th-20th December, 1989) UGC National Seminar on Translation Studies'.	Translation and Untranslatability a paradox to live with.
	(ii) Dept. of Linguistics Aligarh Muslim Univ. Aligarh, (16 to 18th Jan. '90.) Linguistics and Language teaching'.	Inter language phonology fossilized
	(iii) CIIL, Mysore (14th-16th Mar. '90) Common Phonetic Matrix for Indian Languages'.	Common phonetic features of some NIA languages.
	(iv) Sardar Patel Univ. Anand, (19-20 Feb. '90) UGC National Seminar on Literary trends.'	Linguistic Analysis of modern stories of 'Gadya Parva.'

Department of Economics

M.M. Dadi	The 26th International seminar on Socio-Economic strategies of Socialist and Developing Countries held at East Berlin-May-June, 1989.	"Labour's Share in Indian Industry."
L.A. Rede	(i) Management Students Forum (FMS) The M.S. University Baroda on 18-19 Nov. 1989.	"Now Era New Business - Managerial Challenges and Responses."
	(ii) The ICSSR (Western Resion) by N.S. Patel College, Anand Gujarat on 27-28th January,1990.	"Nature, Character and Dimensions of Rural Poverty in India."
V.K. Padaria	20th Gujarat Economic Conference, Ahmedabad 17th & 18th March, 1990.	Trends in Employment in the Organised Sector in Gujarat.

Department of German

M.K. Natrajan	National Seminar at JNU, 23-25 Jan. 1990.	In Defence of Specific aim oriented methodology of Foreign Language Teaching with an example of German at M.S. University of Baroda.
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5. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTIONS.

Name of the Teacher	University/Institution and Date	Title of the Lecture.
1	2	3
Department of Hindi		
R.D. Pathak	Hindi Bhavan, Gujarat Vidyapith Ahmedabad 5th, 6th, 7th March '90.	Sathottari Hindi Kahaniyamen Nari Chitran.
P.K. Desai	(i) Akshara on 9-9-89	Natya Shibir.
	(ii) Jarod High School 13-9-89	Kavi Sammelan "State Level".
	(iii) Kii Killeswar Intermediate College Tehri Garwal, Shrinagar, 20-2-90.	Gujarat Ka Loknatya Bhavai.
	(iv) Gujarat Refinary 14-9-89	Inaugural Lecture Work Shop.
	(v) Adiwasi Arts & Commerce College, Santrampur, 26-2-90.	Prayogwadi Upanyasonki Param- paramen Suraj Ka Satwan Choda.
	(vi) Grantha Goshthi Baroda, 7-10-89.	'Manasmala'.
Department of Gujarati		
S.M. Dave	S.P. University, U.G.C. 22-2-90. Vallabhvidyanagar.	
L.M. Desai	College of Education, Dabhoi, 12-9-89 Gujarat University.	
A.M. Baxi	Nalini & Arvind Arts College, "Algari Rakhada-Vallabhvidya- nagar, 9th Feb. 90. patti."	
R.K. Soni	(i) Umashankar Joshi Seminar held by Khedbrahma College, Dec-1989.	"Umashankar Joshi's Research.
	(ii) N.S. Patel Arts College, Anand December-1989.	'Sapna Bhara (a play by Umashankar Joshi).
	(iii) Vidyavistar Vyakhyan Sherni (Extention Lecture Series) held by "Gujarati no Adhyapak Sangh" at Mehsana College.	'Chahera' a Novel by Madhu Rye (Jan-90)
Department of English		
O.P. Juneja	(i) Department of English, Gujarat University, Ahmedabad (29-31 Jan. 1990)	African and Canadian Literature.

(ii) Department of English Gujarat University, Ahmedabad (1st Feb. 90)

Newness of New Literatures.

Department of Sanskrit, Pali & Prakrit

R.I. Nanavati

(i) U.G.C. Lectures. Sanskrit Department, S.P. University, Vallabhvidyanagar, 13t & 14th March, 1990.

ભવભુત રુઢી અને આનંદ-વર્ષેનમાં શબ્દશક્તિઓ સભાપર્વમાં ઉપકથારો

(ii) College Teachers' Orientation programme, Academic Staff College, Rajkot, 13, 14, 15 November, 1989.

રસવિચાર

(iii) College Teachers' Orientation Programme, Academic Staff College, Dr. H.S. Gour Univ. Sagar (M.P.) 6 Oct., 1989.

ધ્વનિ વિચાર

મહાભારત

(iv) P.G. & Research Students, Sanskrit Department, Dr. H.S. Gour University, Sagar (M.P.) 6 Oct., 1989.

શીતી અ-રુવદ્ધેક્તિ

S.G. Kantawala

(i) Maharshi Vedavijanara, Academy. Ahmedabad, 28th September, 1989.

Arthasastra of Kautilya

(ii) Department of Sanskrit, Gujarat University, Ahmedabad. 27th Sept. 1989.

Vasistha : Seer of the Seventh Mandala of the Rgveda : Some Biographica Aspects.

(iii) Academic Staff College, Gujarat University, Ahmedabad, 27th Sept. 1989.

Vedic Literature : A Review.

(iv) Sanskrit Mahavidyalaya, M.S. University, Baroda, 2nd March. 1990.

Some aspects of the Sanskrit Language.

(v) All-India Radio, Ahmedabad Baroda, 2-7-1989.

(vi) All-India Radio, Ahmedabad Baroda, 1-12-1989.

J.A. Jani

(i) ગ્રંથગોળી, વહેદરા ૧-૭-૧૯૮૮

સ્નાવલીનું સ-સ્મર્તત્વ

(ii) યુવા તાલીમ શિબીર ફેકલ્ટી ઓફ સોશ્યલ વર્ક, વહેદરા, ૨૪-૮-૧૯૮૮

વિદ્યાર્થીનું વ્યક્તિત્વ અને સંસ્કૃત સાહિત્ય

(iii) રામકૃષ્ણ વિવેકાનંદ કેન્દ્ર, વહેદરા-૨૮-૨-૧૯૮૦ એપ્રિલથી માર્ચ ૮૦ દર રવિવારે

ગીતાનું તત્વદર્શન શ્રી રામકૃષ્ણદેવની દૈર્ઘ્યે ક્ષેપિતવદર્શન-વ્યાખ્યાન માળા

B.P. Pandya

(i) સુવર્ણ વર્ષ પ્રવેશ સન્માન સમારોહ સમિતી વહેદરા 4-1-1990

શુદ્ધાદૈતમતાકસાર ભક્તિનું સ્વરુપ

	(ii) આન્તરાષ્ટ્રીય પુસ્તીમાર્ગીય વૈષ્ણવ પરિષદ વડોદરા 5-1-1990	સત્સંગ અને સ્વાધ્યાય
L.M. Joshi	Yoga Teachers, Training Course, 'Yoga Niketan Sayajirao Diamond Jubilee Mem. Trust, Baroda. Jan. - 90 to March - 90.	
Department of Archaeology & Ancient History		
K.T.M. Hegde	The Geological Society of India Bangalore, 4-11-1989	Late Quaternary History of the Great Indian Desert.
V.H. Sonawane	Gujarat State Archaeology Deptt., Western Circle, Rajkot, 7-9-1989.	Pre-Historic Gujarat.
Department of History		
S.K. Desai	Sardar Patel University, Vallabh Vidyanagar, March 11, 1990 to 25 March 1990.	Research Methodology in History & Historical thought.
Department of Philosophy		
H.M. Joshi	(i) L.D. Indology Institute, Ahmedabad, 6-1-90.	"Detachment and Liberation in Indian Philosophy. Its impact on modern items.
	(ii) Baroda Municipal Corporation Lecture 30-9-89.	Shri Arvind and Manavjatinudhyeya.
N.J. Vyas	(i) A series of Seven Lectures at Sir Sayajirao Inst. of Research in Yoga-Diamond Jubilee Trust, (Dec-Jan- '89-90).	Samkhya-Yoga.
	(ii) M.S.W. Faculty, M.S. Uni. of Baroda, 21-2-90	Mental Health & Spiritual approach.
Y.G. Nighoskar	Faculty of Fine Arts, M.S.U. of Baroda, dt. 18-11-89.	"Place of knowledge in Indian Philosophy and Arts."
Department of Political Science		
Thomas Pantham	(i) School of Oriental and African Studies, University of London, May-25, 1989.	"Beyond Ethnocentrism and Relativism in Political Theory : Some Gandhian Ideas."
	(ii) St. Antony's College, Oxford University, June 8, 1989.	- do -
	(iii) Sardar Patel University, November-18, 1989.	"Some Recent Trends in Political Theory."
	(iv) Dept. of English, M. S. University of Baroda, February-17 1990.	"Beyond Relativism in Comparative Studies."

A.P. Rana	(i) Dept. of Political Science, Ford Foundation Programme, in International Relations Studies, M.S. University, 15th December, 1989.	"The study of International Relations in India : Four Decades of Sisyphean Labour."
	(ii) College Development Council, University of Bombay, Bombay, 12-14 March, 1990	"Basic Concepts and Theoretical Approaches in the study of International Relations: Approaches to teaching & Research."
V.G. Nandedkar	Forum on Environment protection, Jaipur. 6 March, 1990.	"Solid Waste Management."
Department of Sociology		
P.J. Patel	(i) Accademic Staff College, Saurashtra University, Rajkot, Sept. 14-15, 1989.	"Middle Range Theory."
	(ii) Centre for Advanced study in Education, Faculty of Education and Psychology, M.S.U. January, 16, 1990.	"Goals of University."
	(iii) Centre for Advance Study in Education, Faculty of Education & Psychology, M.S.U., January 17, 1990.	"Sociological Factors Involved in Teaching and Learning."
	(iv) Academic Staff College, Saurashtra University, Rajkot, March 19-20, 1990.	"Functionalism : A Critical Outlook."
N. Rajaram	Home Science Education and Extension Alumni Assocation, Dept. Home Science, Education and Extension, Faculty of Home Science, M.S. University of Baroda, Sept. 9, 1989.	"Literacy in India : Some Sociological Observations."
	Theme of Symposium 'Women's Development Through Literacy.'	
Department of Economics		
A.U. Nanavati	Railway Staff College, Baroda on 18-19 September, 1989.	"Costing Concepts and Transport Costing."
Department of Library & Information Science		
Shri K.J. Majmudar	M.J. Library, Ahmedabad. 15th Feb., 1990	Librarianship.

6. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOP, SEMINAR, SUMMER SCHOOL ETC.

Name of the Teacher	Programme, Place & Date	Capacity in which participated
Department of English		
C.K. Seshadri	(i) Refresher Course, Department of English, University of Poona, 12-15 June, 1989 21-24 March, 1990	Resource Person
	(ii) National Seminar University Grants Commission, New Delhi, 4th July, 1989	Participant
	(iii) Orientation Course Academic Staff College, Rajkot, 11-14 September, 1989	Resource Person
R.V. Vanikar	(i) Workshop, H.M. Patel Institute, Vallabh Vidyanagar, December, 1989	Participant
	(ii) Orientation Programme, M. S. University, January, 1990	Resource Person
	(iii) Workshop, Baroda High School, January, 1990.	Co-ordinator
O.P. Juneja	(i) Level University, Quebee, Canada. (5-12 June, 1989)	Participant
	(ii) National Seminar University of Kashmir Srinagar (6th-8th November, 1989)	Participant
	(iii) UGC International Seminar, M.S. University, 5-7 January, 1990	Director
	(iv) Refresher Course University of Poona, 9-10 March, 1990	Resource Person
S.G. Palkar	Seminar, M.S. University, Baroda, 5-7 January, 1990	Participant
S.P. Pandya	(i) M.S. University, Baroda, 5-7 January, 1990	Participant
	(ii) M.S. University, Baroda, 17-18 February, 1990	Participant
B.A. Parikh	M.S. University, Baroda, 5-7 January, 1990	Participant
H.I. Ismail	M.S. University, Baroda, 17-18 February, 1990	Participant
Department of Gujarati		
S.N. Pandya	Sahitya Parishad, December, 1989	Participant

B.R. Dalal	Adhyapak Sang-Conference, February, 1990	Participant
N.S. Mehta	(i) Workshop for student at Bhavnagar University, January, 1990.	Participant
	(ii) Adhyapak Sangh-Conference, February, 1990	Participant
A.M. Baxi	(i) Annual Conference of Gujarati Sahitya Parishad, Rajkot, December, 8	Participant
	(ii) Annual Conference of Gujarati, Adhyapak Sangh-Anand, February, 1990	Participant
R.K. Soni	Annual Conference of Gujarati, Adhyapak Sangh-Conference, February, 1990	Participant
Department of Sanskrit, Pali and Prakrit :		
R.I. Nanavati	(i) Kalidasa Samaroh, Ujjain, 9-12 November, 1989.	Participant
Department of Persian, Arabic and Urdu		
M.H. Siddiqui	Workshop, Research-Teaching Methodology in Persian, Delhi University, Delhi, 18-25th Feb. 1990	Paper Presented Title : "Nature of Comparative Research Methodology in Persian.
Department of History		
Gita Bajpai	Symposium on "Revolutions and Human Rights, "Department of Western, History, Lucknow University, 16-17 February, 1990.	As a Delegate
Department of Philosophy		
H.M. Joshi	(i) N.S.S. Programme, M.S.W., Faculty, 3-12-89.	Lecturer Visiting
	(ii) Vedic Conference, Dwarika 11-13 March, 1990.	Invited Delegate
N.J. Vyas	N.S.S. Programme Officer for the Faculty of Arts, 89-90.	Invited Delegate
A.P. Rana	(i) India-German Democratic Republic UGC International Seminar on "Nehru and the Socialist World", Dept. of Political Science Sukhadia University, Udaipur, November 10-11, 1989	Co-Director of Inter- national Seminar

	(ii) UGC Seminar on "Panchayati Raj : Perspectives and Prospectus", Dept. of Political Science, M.S. University Baroda, January 11-13, 1990.	Chairman : Business session I : "Planning for Development."
	(iii) UGC Visiting Team for Review of Special Assistance Programme, School of International Studies. Jawaharlal Nehru University, New Delhi, February 13, 1990	Member, UGC Visiting Team
V.G. Nandedkar	(i) Seminar on "Panchayati Raj" Dept. of Political Science, M.S.U., Baroda, 11-13 Jan. 1990.	Convenor of the Seminar
	(ii) Symposium on "Challenges of Development", Dept. of Political Science, M.S.U. and IIPA Vadodara Branch, 12 January, 1990.	Co-ordinator of the Symposium
R.A. Vakil	Seminar : Panchayati Raj : perspectives and prospectus January 11-13, 1990, Dept. of Political Science, Baroda.	Resource Person
H.C. Shukul	Indira Gandhi Open University, Regional Centre - Ahmedabad, Seminar on Teaching-Evaluation. November, 27-28, 1989.	As a Councillor
Nalin Anadkat	(i) Seminar on Panchayati Raj, Perspectives and Prospectus in the Dept. of Political Science, M.S. University, Baroda, January 11-13, 1990.	Participant
	(ii) Peace and Growth : Gandhian point of view at Gujarat Vidyapith, March 29-31, 1990	Participant
Kanti Bajpai	"Inservice Course in Methodology of Teaching." for newly appointed Lecturers at M.S. University Baroda, January, 8-18, 1990.	New Lecturer, SAP International Relations
Department of Sociology		
P.J. Patel	"In Service Course in Methodology of Teaching." Centre for Advanced Study in Education. Faculty of Education and Psychology, MSU, January 10, 1990	Chairperson, a sessions on "Lecture Methods."
B.S. Desai	Symposium on Women & Law, Dept. of Education and Extension, Faculty of Home Science, M.S.U., Baroda, 10th February, 1990.	Participant
N. Rajaram	"Inservice Programme of Orientation in Teaching Methods for newly appointed Lecturers."	(i) Resource person in session on " Discussion Methods" January 9, 1990.

	CASE, M.S. University, Baroda January, 8-18, 1990.	(ii) Chairperson Session on practical methods Laboratory work and field work January 10, 1990.
M. Sree Devi Xavier	Inservice course in Methodology, January 8-18 1990. Centre of Advanced Study in Education, Department of Education, M.S. University of Baroda, January 18, 1990	Participant
Ragini P. Shah	"Inservice Course in Methodology of Teaching." Centre for Advanced Study in Education, M.S. University, January 8-18, 1990.	Participant
Department of Economics		
M.M. Dadi	(i) Attended 20th Gujarat Economic Conference at Ahmedabad, 17th and 18th March, 1990.	Participant
V.N. Kothari	(i) Workshop on "Women and Development A Critical Appraisal of Household level Research Methodologies" Organised by the Faculty of Home Science, the M.S. University of Baroda, University of Illinois Baroda July 5-14 1989, Acted as a "Resource person Chaired one Session on 10th July, 1989, Session on "Household Consumption and Income."	Participant
	(ii) State level Seminar on "Analytical Appraisal of Recent Budgets of Gujarat Government" Sheth Demodardas School of Commerce, Gujarat University, Ahmedabad, 30th September & 1st October, 1989 chaired one session on 30-9-89 session on "Recent Budgets Gujarat Vis-a-Vis-other states."	Participant
Maya Shah	(i) Prticipated in Workshop on problems and priorities of Research in Economics of Education", organised by National Institute of Educational Planning and Administration, New Delhi on 21st & 22nd July, 1989	Participant
	(ii) Member of Expert Committee appointed for Finalising the report and recommendations of the Workshop on "Problems and Priorities of Research in Economics of Education organised by NIEPA 26th July to 1st August, '89.	Participant
	(iii) Participated in Discussion on the Book 'Privatisation Key to Better government by E. S. Sevas organised by BPC Baroda and August USIS, Bombay on 29th 1989 at Federation of Gujarat Mills & Industries Baroda.	

N.M. Pandya	Attended 20th Gujarat Economic Conference at Ahmedabad, 17th & 18th March, 1990	Participant
L.A. Rede	Participated in Discussion on the Book 'Privatisation Key to Better government by E. S. Sevas organised by BPC with USIS on 29th August 1989 at Federation of Gujarat Mills & Industries Baroda.	Participant
S.K. Varma	Attended 20th Gujarat Economic Conference at Ahmedabad, 17th & 18th March, 1990.	Participant
B.S. Kantawala	Attended 20th Gujarat Economic Conference at Ahmedabad, on 17th & 18th March, 1990.	Participant
A.S. Rao	Attended 20th Gujarat Economic Conference at Ahmedabad, 17th & 18th March, 1990.	Participant
B.C. Patel	Attended 20th Gujarat Economic Conference at Ahmedabad, 17th & 18th March, 1990.	Participant
Department of Russian		
Debal Dasgupta	Seminar on Russian Folk Literature Department of Russian Language, Faculty of Arts, M.S.U. Baroda 20-21 December, 1989	Organisor
Laxmi Iyer	Seminar on Russian Folk Literature Department of Russian Language, Faculty of Arts, M.S.U. Baroda 20-21 December, 1989	Organisor
Department of Library Science and Information Science		
K.J. Majmudar	(i) Pay Commission for Librarians of various Libraries in Gujarat State July, 1989	Chairman
	(ii) Seminar on School Library Standards & Service, Shreyas High School, Baroda, 27th January, 1990.	Resource person
K.G. Vaidya	Seminar on School Library Standards & Service, Shreyas High School, Baroda, 27th January, 1990.	Resource person

7. EXHIBITIONS, PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS :

Department of English

C.K. Seshadri	UGC Countrywise classroom 24 Minute TV Programme on English in India.
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8. NATIONAL AND INTERNATIONAL AWARDS AND DISTINCTIONS

Name of the Receptant Teacher/ Non-teacher/Student	Description of the Awards
Department of Political Science	
Thomas Pantham	<p>(i) Elected by St. John's College, Cambridg University, to an overseas visiting Scholarship, for the Eastern Team 1989.</p> <p>(ii) ICSSR Committee to nominate the V.K.R.V. Rao Awardce in Political Science, February 14, 1990</p> <p>Member of Nomination Committee</p> <p>(iii) UGC's India-China Cultural Exchange Programme, New Delhi October 27, 1989</p> <p>UGC Committee Member</p> <p>(iv) UGC Visiting Team for grant of Special Assistance, Dept. of Political Science. University of Poona, Pune-8. December, 1989.</p> <p>Member, UGC Visiting Team</p>
Department of Sociology	
Pravin J. Patel	'Nominated as a Member of the Editorial Advisory Board of All India Sociological Society's Sociological Bulletin.
Department of Economics	
M.M. Dadi	Deputed by the UGC to participate in the 26th International Summer Seminar on Socio-Economics Strategies of Socialist and Developing Countries at GDR East Barlin May-June 1989.
L.A. Rede	Awarded U.G.C. Financial support for Visit to U.K. for Collection of Source Material and Data on U.K. Manufacturing Industries under the S.M.A.V. Scheme financed by the U.G.C. New Delhi for a period of 4 weeks from 27-3-1990.
P.R. Bafna	<p>(i) Co-editor - A medieval Gujarati work 'Chandrasahakyan' by Premanand Pub. by Parshva Prakashan, Ahmedbad, July 1989.</p> <p>(ii) Co-editor of Encyclopaedia of Literature - 1 Gujarat Sahitya Parishad, Ahmedabad (March-90).</p>

9. FACULTY PUBLICATIONS

Name of the Journal	Name of the Editor/s	Periodicity of Publication
Department of Political Science :		
1. Studying International Relations : The Baroda Perspective, Vol. 11, No. 2, 1989.	A.P. Rana	Annual
2. The Ford Foundation Lectures in International Relations studies for 1989 on "The States system and War" delivered by Prof. K.J. Holsti, University of British Columbia, Vancouver, Canada	Brought out under the auspices of the Ford Foundation programme in International Relations studies, Dept. of Political Science	Annual (Series of Three of More Lectures)
Department of Economics		
'Amateur Economist' published by Economic Society of the Faculty of Arts, 19-3-90.		
Department of Russian Languages		
"Occasional papers" on Russian Folk Literature Department of Russian Language Faculty of Arts, M.S.U. Baroda.	Debal Dasgupta	Occasional March 1990

10. VISITORS

Name	Designation	Date/s/Duration or the Visit
Department of English		
Dr. Ralph Yarrow, University of East Anglia		18-20 September 1989
Prof. Dennis Duffy University of Toronto		12th January, 1990
Prof. Daniela Scaghietti University of Bolonga (Italy)		18th January, 1990
Department of Sanskrit, Pali & Prakrit		
1. Dr. Gautam V. Patel	Head, Sanskrit Dept. St. Xavier's College Ahmedabad.	19-1-90 Extramural Lecture Kumara
2. Dr. S.A. Upadhyaya	Joint Director, Bharatiya Vidya Bhavan, Bombay	2-2-90, Extramural Lecture "Sir Wimmiam Jones & Sakuntala."
3. Dr. Sadanand Dixit	Government Sanskrit College, Puri	8-3-90, Exchange of Teachers Scheme Lecture : "Modern Sanskrit Poetry."

Department of Archaeology & Ancient History

Maurizio Tosi	Professor of Prehisotory Italian Embassy, New Delhi	18-6-1989
K.A. Amin	Ret. Registrar, M.S. U. Vadodara	25-7-89
K.N. Dixit	Archaeological Survey of India	18-8-89
V.N. Mishra	Professor of Prehistory Deccan College, Pune	5-9-89
Neomary Erwin	Austria	8-9-89
R. Sudarshan	Ford Foundation, New Delhi	18-10-89
Stanely J. Hejinbothor	Ford Foundation, New Delhi	18-10-89
Cark Borden	Ag. Director, Smithsonian	16-11-89
Gregory Pssshel	Professor, Uni. Museum Philadelphia	10-12-89
Henry Clerk	Director, Council for British Archaeology London	6-2-90
Karl Khandalwala	Bombay	23-3-90

DEpartment of Philosophy

Prof. V. S. Narvane	Ex-Professor of Philosophy University of Poona	11 & 12 January '90 Two lectures, Faculty of Arts.
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Department of Political Science

Dr. Ghanshyam Shah	Sr. Fellow, Centre for Social Studies, Surat	11 Oct. 89 & 12-13 Jan. '90
Stanely Heginbotham	Deputy Director for International Affairs, The Ford Foundation, New York	October 19, 89
Dr. R. Sudarshan	Asst. Representative, The Ford Foundation, New Delhi	Oct. 19. 1989
K.H. Holsti University of British Columbia, Vancouver, Canada	Professor of International relations (Ex-President of the International studies Association of North America) ford foundations visiting professor, Ford Foundation Programme in International Relations studies, Dept. of Political Science	December 10-17 1989
Prof. Preston King	Professor of Politics University of Lancaster	19 Dec. 1989
Prof. B.C. Parekh	Professor of Political Theory University of Hull	20 Dec. 1989
S.C. Haldar	Commissioner, Municipal Corporation, Baroda	11 Jan, '90.
P.K. Das	Managing Director, Gujarat Alkalies and Chemicals Ltd.	11-12 Jan. '90
N.R. Inamadhar	Emeritus Professor, University of Poona	11-13 Jan. '90.
Pravin Sheth	Professor and Head, Department of Political Science, Gujarat University	11-13 Jan. '90

Anil Bhatt	Professor IIM, Ahmedabad	11-13 Jan. '90
Ashok Mukhopadhyaya	Professor of Public Administration, University of Calcutta.	11-13 Jan. '90
Jatin Modi	Ex-Mayor of Vadodara	12 Jan. '90
John Wood	Resident Director, Shastri Indo-Canndian Institute, New Delhi	8 March 1990
Fred Dallmayr	Professor of Political Theory University of	10-14 march 1990
Jan P. Pieterse	Professor, Institute of Social Studies, The Hague	15-16 March, 1990
W.H. Morris Jones	Former Director, Institute of Commonwealth Studies, University of London.	28 Feb., 1990

Department of Linguistics

L. Schiefer	Professor of Phonetics Munich. University	13-16 Oct. 89
U.N. Singh	Professor Dept. of Translation studies, Central University Hyderabad	27-28 Dec. 89
H.C. Bhayani	Retd. Professor, Gujarat University, Ahmedabad.	2-3rd Feb., 90

Department of Economics

Prof. R.S. Mehta Retired Professor Bhavnagar University	Professor	19-1-90
Prof. G.S. Gupta I.I.M. Ahmedabad	Professor	23-12-89
Prof. D.M. Nachane University of Bombay	Professor	22-1-90 to 23-1-90
Prof. Sandhas	Institute for Communication Research Goettingan FRG	26-3-90

11. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH.**Department of History**

Extended Source based study to M.A. II Course.

12. ANY PROGRAMM OF THE FACULTY FOR THE BENEFIT OF THE COMMUNITY**Department of Ancient History and Archaeology**

The Museum of the Department of Archaeology and Ancient History was regularly visited by school children of Vadodara in groups to see and study the sequence of cultural history of our country. They were given tour of the museum exhibits.

Department of History

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

Department of Russian Language

1. The Department of Russian language organised a "Theatre workshop" from 12th to 23rd September, 1989 which was open to all and under this lectures, demonstrations and staging of plays in collaboration with staff from the Faculty of Performing Arts and the Faculty of Education and Psychology.
2. The Department of Russian Language organised a programme of "What's the Good work cum G.K. Quiz" in collaboration with the Forest Department, Government of Gujarat, Baroda on 10th March, 1990 to celebrate the world Forestry Day in which different Faculties of the M.S. University, School of Baroda, EME Baroda, Air Force Baroda, and other Institutions participated.

13. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANIZED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS.

Department of Archaeology and Ancient History

During the months of January, February and March 1990 the Department of Archaeology and Ancient History extended the excavation at the Pre-Harappan and Harappan site situated in Nagwada village in Dasa-da Taluka of Surendranagar District (23° 20' N. 71° 41' E). The extension of excavation has brought to light a large circular rubble structure a number of other structures built of mud bricks and rubble and a variety of Harappan material relics including pottery, ornamental beads terracotta cakes, bone points and copper objects.

Department of Political Science

1. Prof. A.P. Rana, Co-ordinator, UGC National Centre for Curriculum Development in Political Science, located in this Department, was engaged in finalising the first stage of the activities of the UGC Centre, through the composition of an extended study entitled :
Curriculum Development in Political Science in India : A profile of the Field and Projection of its Future Growth.
2. Professor A.P. Rana also co-ordinated all the other regular annual activities of the UGC Special Assistance and Ford Foundation programme in International Relations studies of this Department.
3. Professor A.P. Rana, during the year, was invited by the UGC to write a monograph for the Commission on 'International Relations as field of study in India' in conjunction with Prof. R.V.R. Chandrasekhar Rao, Vice-Chancellor, Andhra Open University. The invitation has been accepted and the conjoint study has commenced.
4. The Department of Political Science was invited by the UGC to convene a UGC National Panel Seminar on International Relations Studies under the directorship of Prof. A.P. Rana. Preparations for convening this National Panel Seminar are in progress.
5. The Department of Political Science organised a western Region Seminar on 'Panchayati Raj : Perspectives and prospectus' 11-23 January 1990. The seminar was directed by Prof. V.G. Nandedkar. The Seminar was attended by 28 participants and visiting Faculty consisting of Prof. N.R. Inamdar, Anil Bhatt, Ghanshyam Shah, P.N. Sheth and Ashok Mukhopadhyaya.
6. The Department of Political Science in collaboration with the IIPA Vadodara Branch, organized a symposium on "Challenges of Development" 12 January 1990. The speakers included Dr. P.K. Das, Dr. Jatin Modi, Prof. Anil Bhatt, Prof. N.R. Inamdar, and Prof. Pravin Sheth. The symposium was directed by Prof. V.G. Nandedkar.

Department of Sociology

(a) Field Visits :

The Department of Sociology has a programme of Field Visits under which the students are taken to different situations, so that they can have some idea about the social realities. Different groups visit different places.

(b) Student's Gift Book Collection Library

The Department of Sociology has a student's Gift Book Collection Library which consists of about 310 books, articles, reprints, etc. mainly gifted by the former students of the Department. The library is providing extremely valuable service to the students in terms of making available text-books to them. The activities of the student's Gift Book Collection Library are managed every year by Teacher-in-charge.

(c) Sociology Student's Association :

The Department of Sociology has a very active Sociology students' Association with 329 members during this academic year.

Department of Library gave all facilities to the students and staff members and other interested person in using the Library. It was kept open from 10-30 a.m. to 6.10 p.m. on working days.

1. Total number of Books including Journals and maps on 1-4-89	1038
2. Books and Journals added during the year	10
3. Books written off during the year	-
4. Books returned to H.M. Library	-
5. Books as on 31-3-1990	1048

1. COURSE OF STUDIES :

Optional Paper "Fourier Analysis " at M.Sc. (Final) is introduced in the Department of Mathematics.

P.G. Diploma in Cartography is now changed to Diploma in Catography with effect from the year 1989-90.

Recorganization of M.Sc. Syllabus bringing in topics such as Mol. Biol., Biotechnology, Immunology, Toxicology, Economic Zoology and Applied Physiology etc. are introduced in the Department of Zoology.

2. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name/s	Title	Name of the Journals wherein published with date of publication
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Department of Biochemistry

- | | | | |
|----|---|---|---|
| 1. | M.S. Kansara,
J. Ramdas and S.K. | Phytochrome mediated photoregulation of NAD kinase in terminal buds of Pea Seedlings. | J. Plant Physiol, 134, 603 (1989) |
| 2. | T. Lalitha, C.V.
Ramakrishnan and | Lipid composition of brain regions during chronic maternal alcohol treatment and withdrawal in the rat. | In. J. Biochem and Biophy 26, 259-261 (1989) |
| 3. | S.S. Katyare and F.R.
Billimoria | Effect of experimentally induced thyrotoxicoses on oxidative energy metabolism in rat heart mitochondria. | J. Biosciences 14, 329-339 (1989) |
| 4. | B.N. Dave, F. R.
Billimoria and S.S.
Katyare | Altered kinetic properties of rat heart mitochondrial enzymes following experimental thyrotoxines. | J. Biosciences 14, 341-349 (1989) |
| 5. | Sunita Zalani, R.
Rajalakshmi and
L.J. Parekh | Ascorbic acid concentration of human relation to fetal size and gestational age. | British Journal of Nutrition (1989), 61, 601-606. |

Department of Botany

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|----|---|--|--|
| 1. | Prakash L. & G.
Pratapshenan | NaCl and Gibberellic acid induced changes in the content of auxin and the activities of cellulase & pectinylase during leaf growth in rice (<i>Oryza Sativa</i> L. Var. GR-3) | Ann. of Botany 65 (3) 251-7 1990 |
| 2. | M. Daniel | (i) Polyphenols of some Indian Vegetation.

(ii) Phytochemicals as natural sweetners | Current Sci. 58, 1332-1334,

Ibid. 231-38. |
| 3. | S. Mangalan, M.
Daniel & S.D. Sabnis | Nutritional & Phytochemical aspects of vegetables of centrospermae | J. Econ. Tax. Bot. 13 : 227-229, 1989. |

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|-----|---|--|--|
| 4. | Mercy Beulah, I.
Umadevi, M. Daniel and
S.D. Sabnis | Allopathic effects of certain
common weeds on Fenugreek | J.M.S. Uni. (33+34)3, 839 -
44 1989. |
| 5. | P.M. Padhye
M. Daniel &
S.D. Sabnis | Chemical Systematics of Verbenaceae | In: "Phytochemistry & Plant
Taxonomy", (K.S. Bilgrami,
J.V.V. Dogra Ed.) C.B.S.
Publishers, Delhi, pp. 123-
132, 1989. |
| 6. | M. Daniel &
S.D. Sabnis | The Chemical Phylogeny of the
order Gentianales. | ibid. pp. 151-156 |
| 7. | K. Rajrathinam
& M.A. Pandya | (i) Effects of Sodium Chloride on
ionic composition of <i>Azolla pinnata</i> . | Curr. Sci. 58: 1250-51
(1989) |
| 8. | M.A. Pandya | (i) Achievements and prospects of
<i>in vitro</i> studies on <i>Azolla pinnata</i> .

(ii) Somatic embryogenesis & Plant
lets regeneration from subpension
cultures of <i>Crataeva nurvala</i> . | Ind. Fern. Jour. 6 :
73-77, (1989)

In : Procd. of Natl., Seminar
on Plant Tissue Culture,
ICMR Publ., pp. 106-110;
1989. |
| 9. | K. Ramesh Vandana
Sharma & M.A. Padhya | Lupeol in tissue cultures of <i>Crataeva
nurvala</i> Buch-Ham. | In Proc. All Ind., Bot. Res in
India during last ten years"
Arihant Publishers, Ed. Nag.
pages 144-146. |
| 10. | Vandana Sharma &
M.A. Padhya. | Screening of <i>Crataeva nurvala</i> for
glucosinolate glucocapparin. | Indian Drugs 26 : 572,73
(1989) |
| 11. | S.J. Bedi | Effect of SO ₂ and Ascorbic acid
on the Plastic ultrastructure of
<i>Azadirachta indica</i> Leaves. | Annl. of Bot. England. 64,
311-313, 1989. |
| 12. | R. Vijayan & S.J. Bedi | Effect of Chlorine Pollution on
Fruit Tree Species at Ranoli near
Baroda, India. | Environmental Pollu., 57
97-102 (1989) Elsevier Sci., |
| 13. | NSR Krishnaya &
S.J. Bedi. | Differential Response of Three
species exposed to SO ₂ . | Proc. of World Clean Air
Congr., 1989 2, 11-15 1989.
Elsevier Publishers, B.V.
Amsterdam. |
| 14. | Anbazhagan M.
Krishnamurthy, R &
K.A. Bhagwat. | (i) Evaluation of SO ₂ resistance in the
seedlings of rice cultivars.

(ii) The performance of three cultivars
of rice cultivated near to and distant
from fertilizer plant.

(iii) Changes in the levels of
carbohydrates in rice cultivars
due to air pollution. | Acta Botanica Ind., 17;
182-186 (1989)

Environ. Pollu. (U.K.) 58;
125-138 (1989)

Indian J. Exptl., Biol., 28
395-396 : (1990) |

15. Krishnamuthy R & K.A. Bhagwat
- (i) Polyamines as modulators of salt tolerance in rice cultivars. Plant Physiol, USA 91 : 500-504, (1989)
 - (ii) Changes in protein and Total nitrogen under salt stress in rice seedlings. Ind. Jour. Exptl., Biol., 27 : 1064-1066 (1989)
 - (iii) Accumulation of Choline and Glycinebetaine in salt stressed wheat seedlings. Curr. Sci. 59 : 111-112, (1990)
 - (iv) A rapid and simple feed method for determination of chloride in plant material. Indian J. Exptl., Biol. 28 : 198-200 (1990)
16. K.A. Bhagwat
- (i) Detection of salinity in Kheda district using IRS LISS LI CCT, IRS. Newsletter, 3 : Sc (1989)
 - (ii) Monitoring the crop production in saline and sodic soil of Gujarat with the help of Remote Sensing. Respace, December, 4, 1989.
17. K.E. Mothikumar & K.A. Bhagwat
- Delineation and Mapping of salt affected lands in Parej Village of Kheda district by Remote Sensing. Photomivachak : 17 : (1989)

Department of Chemistry

1. K.N. Trivedi
- (i) A convenient synthesis of Naturally occurring xanthenes. Synthetic communication 19 (4 and 10) 1641 (1989)
 - (ii) Synthesis of 3-substitued amino-propoxy-2-hydroxy coumarin derivatives as possible B-blockers. J. Indian Chem Soc., 66, 415 (1989)
2. P.K. Bhattacharya
- (i) Haloacetates and alkoxide haloacetates of aluminium. Indian Journal of Chem., 28A, 779 (1989)
 - (ii) Studies in new binuclear copper(II) complexes. Indian Journal of Chem., 28A, 796 (1989)
 - (iii) Expoxidation of alkenes catalysed by Iron (III) Schiff base complexes a mono oxygenase model. Bull. Chem. oc., Japan, 64 (2), s 1325 (1990)
 - (iv) Alkene expoxidation J. with iodanyl benzene catalysed by mono and binuclear Mn (III) Schiff base complexes. Mol. Catalysis 54(2), 131 (1989)
 - (v) Study of ternary complexes of Cu(II) involving aliphatic carboxylic acids and amino acid. Indian J. of Chem., 29A, 150 (1990)
 - (vi) Interligand intraction in mixed aminoacid complexes of Ni(II). Indian J. of Chem. 29A, 400 (1990).

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|----|-----------------------|---|---|
| 2. | P.K. Bhattacharya and | (i) Study of binuclear Cu (II) complexes involving bridging Schiff bases. | Transition metal chemistry
14, 303-30 (1989) |
| | | (ii) Study of some mixed ligand complexes of testing diamines and bidentate amide ligands. | Indian J. of Chem. 28 A,
673, (1989) |
| 3. | A.K. Rakshit | Mixed monolayers of stearic and myristyl alcohol at 35° C. Effect of subphase acidity. | J. Coll. Interface Science
March (1990) |
| 4. | R.H. Mehta | Synthesis of some new 8-methoxy-5-substituted amino methyl coumarins as possible antibacterial agents. | J. Indian Chem. Soc., 66
802 (1989) |
| 5. | R.N. Kapadia | Amphoteric exchangers derived from epichlorohydrin and resorcinol, hydroquinone catechol, 3-resorsylaldehyde and pyrogallol acid with 1, 2-diamino propane as Corroslinker. | Indian J. of Technology, 27
293 (1989) |
| 6. | K.B. Nair | Synthesis of some new thiosemicarbazides and thiosemicarbazones as possible antitubercular and antibacterial agents. | J. Indian Chem. Soc., 66,
344 (1989) |
| 7. | Uma V. Chudasama | Catalytic behaviour of Cu(OH) sorbed on zirconium molybdate in the decomposition of H ₂ O ₂ . | J. Mol. Catalysis, 55, 199
(1989) |
| 8. | S.G. Devi | (i) Determination of nitrate by flow injection analysis with on line amion exchange column. | Anal. Chim. Acata., 225,
331 (1989) |
| | | (ii) On line trace metal enrichment in flow injection/atomic absorption spectrometry. | Quimica Analitics, 8, 159 |
| | | (iii) Determination of microquantity of sulphate by ion exchange spectrophotometry. | Ind. J. of Chem., 28A, 817
(1989) |
| | | (iv) Determination of manganese in vegetables and medicinal plants using flow injection system. | Ind. J. of Technology 28, 78
(1990) |
| 9. | N.K. Chudger | (i) Synthesis of Pyrano Isoflavone. | J. Inst. of Chemists 61, 193
(1989) |
| | | (ii) Mosegenic semicarbazones and amino oxadiazoles-I. | Mol. Cryst. Liq. Cryst., 172 |
| | | (iii) New fluorescent mesogens with a chalcone central linkage. | Liq. Cryst., 4, 661 (1989) |

10. R.N. Ram. (i) A simple method for the determination of active sites of polymer anchored complexes. J. Mol. Catalysis 57, 237 (1989)
- (ii) A simple method for the determination of metal complexes on the aluminium support, 28A, 505 (1989). Indian J. of Chemistry 28A 505 (1989)

Department of Geography

R.N.P. Sinha

Tribal Boundary Concepts : A case Study in a Garo Village (India)

Published in Book Viz. Environment & Human Response, Ed. by Prof. R.N.P. Sinha, Published by concept Publishing Co., New Delhi. 1990.

Department of Geology

1. P.P. Patel (i) Management information system for drinking water in a district. Proceedings Nat. Sam. on Computer application in water Resource management orged. by SSMN. IAAW and LH Indian Vadodara, Sept. 1990.
- (ii) Geological Hazard and disaster management for industrial sites. Proc. Nat., Sem. on Disaster Management in industry natural courses orged. by IICE Baroda, Feb. 1990.
2. R.V. Karanth Cambay's indigenous Silica powder for Policing ruby, Sapphire and Emerald. Jr. of Gemmology Vol. 21(8) pp. 497-9, 1989.
3. N.D. Desai & N.M. Vashi (i) Studies on granites of Gujarat with Special reference to their suitability as building stones. Jr. of All India Granite and Stone Association Vol. 3., No. 4, pp. 3-11. July 89.
- (ii) Studies on sandstones of Gujarat with Special Ref. to their suitability as building stones. Jr. of All India Granite and Stone Association Vol. 3 No. 6 pp. 7-13 Nov. 89.
4. K.C. Tiwari, D.T. Brahmhatt and S.P. Sychanthavong. Barr Conglomerate its tectonic and stratigraphic significance. Proc. Indian Nat. Science Academy 55A No. 6 pp. 818-845, 1989.
5. S.J. Patel & D.M. Shringapure Examples of shell predation by a predatory gastropods and parasites in the middle Eocene Rocks of Kutch, Gujarat. Current Science Vol. 58. 20th Sept. 1989.

Department of Mathematics

1. N.V. Patel & V.M. Shah "On the order of Fourier Co-efficients in Lacunary Fourier Series." Indian Journal of Mathematics, Vol. 31 No. 1 1989, pp. 65-71

- | | | | |
|----|---------------------------|--|---|
| 2. | J.R. Patadia | Lacunary Fourier Series on Certain groups. | Mathematics Students 78 (1989) pp. 68-74. |
| 3. | B.I. Dave & J.P. Singhal. | "On a Q-inversion theorem. | Mathematics Students 58 (1990) pp. 101-108. |

Department of Microbiology

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|----|---|---|---|
| 1. | H.B. Barbhaiya & K.K. Rao | Effect of iron on the Production of Phoverdine and outer membrane proteins of <i>Pseudomonas aeruginosa</i> PAO I. | Curr. Microbiol. (1989) 18, 47 |
| 2. | T.V. Parekh & H.S. Chhatpar. | (i) Effect of salt stress on the respiratory activity of <i>Aspergillus sydowii</i> .
(ii) Regulation of Glucose 6-Phosphate dehydrogenase under salt stress condition in <i>Aspergillus sydowii</i> . | Curry Microbiol. (1989) 19, 5297.
Fungal Genetics News Letter (1989) 36. |
| 3. | R.S. Mody, S. Krishnamurthy & P.J. Dave. | Influence of far ultraviolet radiation on the permeability of the outer membrane of <i>Escherichia coli</i> . | Can. J. Microbiol (1989) 35, 1022. |
| 4. | R.S. Mody, V. Haideryanejad A. Patel and P.J. Dave. | Isolation and characterisation of <i>serratia marcescens</i> mutants defective in prodigiosin biosynthesis. | Curr. Microbiol. (1990) 20, 95 |
| 5. | D.N. Shah, K.S. Sriprakash and B.B. Chattoo. | Protoplast fusion between the cells of like mating type in a citric acid-producing strain of <i>Yarrowia Lipolytica</i> . | Journal of Biotechnology. 12 (1989) 211-218. |
| 6. | B.B. Chattoo | Direct Gene Transfer | Mehta A.R. and Bhatt P.N., 'Handbook of plant tissue and cell cultures' Academic Book Centre, Ahmedabad (1990). |

Department of Physics

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|----|--|---|---|
| 1. | J.R. Pandya & D.R. Joshi | Orientation-dependent quench hardness anisotropy of Rhombohedral cleavages of Sodium Nitrate. | Proc. Solid State Phys. Symp. 32C (1989) 247. |
| 2. | M.B. Patel & J.R. Pandya | Optimum conditions for selective habit growth of d-AHT crystals from Geol. | Proc. Cryst Growth (Mysore) 1989. |
| 3. | V.P. Bhatt, K. Gireesan & C.F. Desai | Effect of heat treatment on the optical absorption of Tin Diselenide thin films. | Crystal Res. and Techn. 25, (1990) 2. |
| 4. | V.P. Bhatt, Gireesan K. & G.R. Pandya. | Growth and Characterization on Sn Se Se ₂ single crystals. | J. of Crystal growth 96, (1986) 649. |

5. A.B. Darji & N.B. Sureshkumar. (i) Rotational Analysis 3664 A band of Praman of NiCl. J. Phys. 34 : (1990)
 (ii) Rotational analysis of $2_1 - 2_1$ system of NiCl. Indian J. Pure and Appl. Phys. 28. (1990).
6. D.R. S. Somayajulu Temperature and etal. constration dependence of E F G in A -(I-X) Pd(x) Alloys. Solid State Phys. (India) 328. (1989)

Department of Statistics

1. H.C. Patel & J.A. Patel "Minimal complete class of linear Unbiased Estimators of Population Mean for a Special Sampling Design". Calcutta Statistical Association Bulletin, Vol. 38, March-June, 1989, Pate No. 71-82.
2. M. Sreehari "On the laws of large numbers for pairwise independents random variables. Proc. of 8th Annual Conf. of ISPS, 1986 (Publish in 1989) 203-208.
3. M.M. Gandotra (i) Reconciliation of Family Planning Performance and Birth Rate in India. Population Planning in India Policy Issue and Research Priorities, edited by Bose & Desai. B.R. Publishing Corporation, New Delhi, 1989 pp. 67-76.
 (ii) Fertility, Mortality and Contracepial Prevalence in a Tribal Population. Population Transition in India, Vol. 2 Edited by S.N. Singh et-al B.R. Publishing House, New Delhi, 1989.
4. N.P. Das (i) The Impact of contraception and induced abortion on Fertility in India The Jrs. of Family Welfare, vol. XXXV, No. 5, pp. 14-25, 1989.
 (ii) A model to study the effect of Sex Preference and Mortality on current Fertility. Population Transition in India, Edited by S. N. Singh et-al, B.R. Publishing Corporation Delhi, pp. 327-340, 1989.

Department of Zoology

1. Sophy Abraham & Local and Systemic alteration in Cholinesterase activity during tail regeneration in normal and adrenal suppressed gekkonid lizards *Hemidactylus flaviviridis*. Ind. J. Exp. Biol. Vol. 26-pp 755-758, 1989
2. T.M. John, B. Pilo R.L. Hazelwood & J.C. George. Circulating levels of insulin and avian pancreatic polypeptide in pigeons under different experimental conditions. *Gen. & Comp. Endocrinol* Vol. 75, pp. 71-77, 1989

3. Ramchandranan and Patrick I. Ndukuba Parachlorophenylalanine re tards tail regeneration in the gekkonid lizard *Hemidactylus flaviviridis* exposed to continuous light. J. Exp. Biol. Vol. 143, pp. 235-243, 1989.
4. R.V. Nene Reexamination of muscle fibre types in a mammalian diaphragm. *Him. J. Env. Zool.* Vol. 3. No. 1, pp. 17-21, 1989.
5. R.V. Nene and K.N. Syeda. (i) A histochemical demonstration of glutamate dehydrogenase in glycogen body of bank myna *Acridotheres ginginianus* and brahmiry myna. *Sturnus Pagodarum*. Ind. J. Comp. Anim Physiol. Vol. 7 No. 1, pp. 18-22.
- (ii) Diurnal variation in glycogen content of certain wing muscles of the blue rock pigeon *Columba livia* (Gmelin) during colder months. Ind. J. Comp. Anim. Physiol. Vol. 7 No. 2, pp. 80-84, 1989.
6. Bony Pilo and P.C. Mehta Effect of glucagon administration on the metabolic activities of kidney of blue rock pigeon (*Columba livia Gmelin*). Ind. J. Comp. Anim. Physiol, Vol. 7, No. 2., pp. 134-139, 1989.
7. K.N. Syeda and R.V. Nene On the presence of tonus muscle fibres in the cremaster of shite Albino rats. *Him. J. Env. Zool. Vol. 3*, pp. 106-108, 1989.
8. A.V. Ramchandran & Patric I. Noukuba. Tail regeneration in normal, blinded and pinealectomized gekkonid lizards, *Hemidactylus flaviviridis*, exposed to four different light conditions during three seasons. *Acta Zool.* Vol. 70, No. 4, pp. 205-210, 1989.
9. M.M. Patel and A.V. Ramchandran Seasonal alterations in glucagon and adrenalin responses in normal and pinealectomized wild pigeons *Columba livia*. *Ind. J. Expt. Biol.* Vol. 27, pp. 412-416, 1989.

3. PUBLISHED BOOKS AND MONOGRAPH :

Sr. No.	Name of the Authors.	Title of the Book/s.	Name of the Publishers and year of publication.
1.	Atul R. Mehta & Prashant N. Bhatt. (Eds).	Hand Book of Plant Tissue and Cell Calcure.	Academic Book Centre, Ahmedabad, 1990.
2.	Deniel Mammen & Sabnis Sharad D.	A phytochemical approach to Economic Botany.	Kalyani Publisher, Delhi, 1990.
3.	R.N.P. Sinha	Environment and Humar Response selected essays in Geography.	Concept Publishing Co., New Delhi, 1990.

4. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCE ETC.

Name of the Teacher	Theme, Organiser's Name Place and Dates of the Conference/Seminar.	Title of the Paper.
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Department of Biochemistry :

S.S. Katyare	DBT and JN U Sponsored working on 'Recent Advances in Bioenergetic Processes' Feb. 22-23, 1990.	Effect of corticosterone Treatment on Energy Metabolism in Rat Liver Mitochondria.
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Department of Botany

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|----|--|---|--|
| 1. | G. Prathapasenanq | (i) National Seminar on Strategies in Physiological regulation of plant productivity," Uni., of Bombay and the Indian Society for Plant Physiology, Bombay, Dec. 28-29, '89. | Interactive effect of NaCl and G3 on shoot growth of rice. |
| | | (ii) International Symposium on "Environmental Influences on Seed and Germination Mechanism Recent Advances. In Research and Technology, sponsored by UGC, CSIR, DST, & UNESCO, Jodhpur University. Jan. 27-29, 1990. | Intaractive effect of NaCl and GA3 on oxygen uptake and activity of some respiratory enzymes during germination of rice (Oryza satiya Var. GR-3) |
| 2. | M. Daniel | (i) "Recent Advances in Plant Cell Research," UGC sponsored National Symposium Department of Botany, Kerala Uni., Trivendrum, June 7-9, 1989. | Phytoalexins in crop and disease management. |
| | | (ii) "Recent Advances in Plant Sciences," UGC All India Seminar, Deptt. of Botany, Nagpur Univ., Nagpur, Sept. 25-27, 1989. | Phytoalexins of Eucalyptus |
| | | (iii) "Current Trends in Biological Research UGC National Symposium. Deptt. of Bio-Sciences, S.P. Uni., Vallabh Vidyanagar, Gujarat, Dec., 1-3, 1989. | Modern trends in Plant Systematics. |
| 3. | K.S. Rao | National Symposium on Current Trends in Biological Research, S.P. University, Vallabh-Vidyanagar, Dec., 1-3, 1989, UGC Sponsored. | Effects of Triton X-100 on the growth and ultrastructure of Tobacco Pollen Tubes. |
| 4. | Anbazhagan, M. K.A. Bhagwat R. Krishnamurthy | Eight World Clean Air Congress, Hague, Netherlands, The International Union of Air Pollution Prevention Associations. Sept. 11-15, 1989. | Predisposition of rice plants to the effects of air pollution exposure by modifying nitrogen nutritions. |

Department of Chemistry

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|----|-------------------|--|--|
| 1. | K.N. Trivedi | National Symposium on Heterocyclic Chemistry at IICT, Hyderabad, Sept. 1989. | New Methodologies for the synthesis of Photo dynamically active furocoumarins. |
| 2. | P.K. Bhattacharya | (i) Invited to deliver a talk at the third Symposium on Modern trends in Inorganic Chemistry held on TIFR, Bombay 21-23, Nov, 1989 | Homogenous Catalysis of expoxidation of olefins by mono and Binuclear Complexes. |
| 3. | A. K. Rakshit | (i) Convention of Chemists Indore, Dec., '89.
(ii) National conference of Recent advances in Physiochemical Chem, Jadavpur Uni., Calcutta, Aug., 1989 | Studies of mixed surfactant systems Bridge 25 and CTAB
Thermodynamics of Micellization at Bridge 35 in aquo Polyethylene glycol solvents. |
| 4. | K.B. Nair | National symposium on Trends in Heterocyclic Chemistry, Sept., 28-29, 1989, IICT, Hyderabad. | Synthesis of some novel thiazolidinone derivatives as biological active agents. |
| 5. | Uma V. Chudasma | VII SHHC International Symposium held at Pisa, Italy, Sept., 1989. | Catalytic behaviour of Cu (CN) ₂ + sorbed on zirconium molybdate in the decomposition of Hydrogen peroxide. |
| 6. | S.G. Devi | (a) The convention of Chemistry Dec., 1989, Indore.
(b) National Seminar on Polymers, Feb. 1990, Vidyanagar. | Immobilization of enzymes on Polymeric supports.
Synthesis and characterization of MMAAN copolymers. |
| 7. | B.V. Kamath | Current Trends in Chemistry and Biotechnology, IIT, Bombay, 6,7,8, Dec. 1989. | |
| 8. | H.S. Rama | National symposium on polymer chemistry Feb., 1990, S.P. University, Vallabh-Vidyanagar, Gujarat. | Synthesis and study of Electrical behaviour of polyaromatic amines. |
| 9. | Sujata S. Kansara | National Seminar on Polymers, V.V. Nagar, Feb., 1990. | Synthesis and study of electrical behaviour of polyaromatic amines. Chemical grafting of maleic anhydride on to polybutadiene. |

Department of Geography

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|----|------------------------------------|---|--|
| 1. | V.C. Rangaswamy,
Ashfque Husain | (i) National Seminar on "Patterns of Urban change in India," April 6-8, 1989, Dept. of Geography, Banaras Hindu University, Varansai. | "Urban change-an appraisal of urbanisation of Bogra town, Bangladesh." |
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|------------------------------|--------------------------------------|--|---|
| | | (ii) National Seminar on Strategy for Urban Planning and Involvement of People in Development of People in Development of People in Development Process. | Need of Physics Planning in the growth of the of an Urban area example of Borga town in Bagladesh |
| 2. | R.N.P. Shinha | (i) International Conference on "Role of Agriculture in the Economic Development of the Third World Countries" at Aligarh Muslim Uni. Aligarh from 2.7. Sept., 1989.

(ii) XI National Association of Geographers of India Congress (NAGI), Delhi from 3-5 Oct., 1989.

(iii) Seminar on "Current problem in Political Geography" University of Poona, from 9-11 Nov., 1989. | Impact of Agricultural Development on the Ecosystem in India.

Nehru's World Views : A Geographical Assessment.

Evolution in Indian Geopolitics. |
| 3. | Jayshree De, Rolee Kanchan N.R. Dash | XI Annual Conference of Institute of Indian Geographers at Bangalore from 10-12 Jan. 1990. | Location & Planning of Health Care Delivery System at Distric Level. |
| 4. | Jayshree De. | National Seminar on "Fast Industrialising Areas Impact Issues & Challenges" at B.H.U. Varanasi from 21 to 23 March, 1990. | Industrial Development & Economic Growth in India. |
| 5. | Rolee Kanchan | 23rd Annual Rogional Science Congress, Udaipur, from 23-25 March, 1990 | Regional Development & Planning : Micro Level Study. |
| Department of Geology | | | |
| 1. | D.R. Gadekar | 77th Indian Science Congress, Cochin 4th to 9th Feb., 1990. | Role of Geology in Social uplift and employment. |
| 2. | D.M. Shringarpure | University of Calgery Second International Research Conference on Clastic Tidal Sediments August, 1989. | (i) Bet clastic tidal deposits and biosedimentary structure western Co of India. |
| 3. | Nikhil Desai | FISE Conference in Prague (Crekoslovalia) Sept. 1989. | Present Paper on 20th Century education. |
| 4. | P.P. Patel | (i) Computer application in water resources management Orgs. SSMN, IWWA and IE (India) Place-Baroda 23.9.1989.

(ii) Disaster Management in Industry Natural Causes Orgns. Ind. Inst. Chem. Enggn. Baroda 3-2-90. | Management Information system of Drinking Water project for a district.

Geological Hazards and disaster management Industrial sites. |

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| 5. | S.F. Barodawala, | National Deminar on degradation of Environment causes and solution orgd. by the Society for the Development of Forests & preservation of wild life Kota, June 4.5.1989. | (i) Barodas Plight : Environmental Degradation due to Industrialisation & Urbanisation.
(ii) Industrial Effluent from Nandesari Chemical complex Baroda A source of ground water polution.
(iii) Degradation of Pava-gadh a possible threat to Baroda water Resources. |
| 6. | S.K. Barodawala
C.D. Patel, P.K. Patel
& C.M. Oza | " | Water logging and Salinization : A case for Kheda's Damaged Environ-ment. |
| Department of Mathematics | | | |
| | J.R. Patadia | Department of Mathematics, I.I.T. Kanpur, January, 27-29, 1990. | Harmonic Analysis. |
| Department of Microbiology | | | |
| 1. | K.K. Rao | National Symposium on "Fungi & Biotechnology & 16th Annual meeting of Mycological Society of India DST and Bhavnagar University October 19-20, 1989. | Biotechnology of Ergot Alkaloid Production by a fumigatus. |
| 2. | Geeta Thakkar
Uma Iyer & K.K. Rao | - do - | Laccare production by a fungus PSS-9. |
| 3. | R.N. Patel, S.S. Chavan
& K.K. Rao | International symposium on Biological oxidation systems held at I.I. Sc. Bangalore from Oct. 23-26 1989. | Effect of some cultural parmeters on the activity of extracellular lacoase produced by the while rot fungi RKI. |
| 4. | B.B. Chattoo | Seminar on 'Molecular and Genetic Approaches in plant stress' ICGEB, NEW DELHI. 14-17 Feb. '90. | Regeneration and Gene transfer in rice. |
| 5. | Udhava Kelavkar,
Arun Deora & H.S.
Chhatpar | 5 FACB congress The Federation of Asian and Ocean ian Biochemists Aug. 13-18 1989 at Seoul, Korea. | Studies on some Physiolo-gical aspects of halotolerant Asperquillus repense. |
| 6. | G.A. Pandya
Banerjee S. & V.V.
Modi | "National Seminar on Industrial, Radiation proceesing & Technology" held at IIT, Bombay, 5-6th Feb., 1990/ | Some microbiological & Environmental aspects of gamma radiation technolo-gy for sewage sludge treat-ment in India. |

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| 7. | N.S. Udar &
V.V. Modi | (i) International Symposium on biological oxidation systems held at I.I. Sc. Bangalore Oct. 23-26, 1989.

(ii) Symposium of Polynaturated fatty acids held at Nizam's Medical Institute Hyderabad from Oct. 31-2nd Nov. 1989. | Sodium selenite induced ripening and oxidative changes in postharvest banana (<i>Musa sapientum</i> fruit).

Oxidative status during Mango fruit ripening. |
| 8. | U.P. Patel and
P.J. Dave | International Symposium on Biological oxidation systems held at I.I. Sc. Bangalore Oct. 23-26 '89. | Lipid peroxidation & aflatoxin production, |
| 9. | Samir Shah,
Rupendra Jadhav
& Anjana Desai | Centenary celebration of biological nitrogen fixation research. Haryana Agricultural University, Hisar Nov. 8-10 1989. | Production of siderophore by cowpea <i>Rhizobium</i> isolate & a strain of <i>Azospirillum lipoferum</i> . |
| 10. | Mrinaline Kashettiwar
& Anjana Desai | - do - | Extracellular polysaccharide composition and explant nitrogenase activity in cowpea isolates and mutant strains. |
| 11. | R. Mody & P.J. Dave | National conference on biological membranes held at Pune 1-3 Feb 1990 | Disorganization of the cell envelope of <i>E. Coli</i> in responses to far ultraviolet radiation. |

Department of Physics

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| 1. | M.B Patel &
J.R. Pandya | IVth National Seminar on crystal Growth Aug. 14-16, 1989. The Mineralogy Institute and Department of Studies in Geology, University of Mysore, Mysore. Member of panel Discussion | "Optimum condition for Selective habit of d-AHT crystals from Gel. |
| 2. | J.R. Pandya &
D.R. Joshi | (i) Solid State Physics Symp., Dec. 19-22, 1989, Indian Institute of Technology, Madras.

(ii) XXI National Seminar on crystallography Dec., 27-29, 1989, BARC, Bombay. | Orientation Department quench hardness anisotropy of Rhombohedral cleavages of NaNO_3 .

Anisotropic behaviour of Indented Cleavage of NaNO_3 single crystals. |

* This paper was accepted at the Ninth International Conference on Crystal growth held at Sendai, Japan in Aug., 20-25 (1989). Since the Author could not attend the conference, the paper was withdrawn.

Department of Statistics

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| 1. | M. Sreehari | Gujarat Science Congress Bhavnagar, Feb. 1990. | "Some results in Probability with applications in Mathematics. |
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| 2. | S.N. Nandi | Asian Congress on quality and Reliability, New Delhi, 20.10.89 to 2.11.89. | "Use of Fully Curtailed Sampling plans in Economic Design of npcharts." |
| 3. | M.M. Gandotra and N.P. Das | University of Philippines, Population Institute, and world Health Organisation, Manila, Philippines, 27th Nov.-8th Dec. '89. | "Choice Shift and use continuation of contraception." |
| 4. | N.P. Das | 21st International Population Conference of the International Union for the Scientific Study of Population, New Delhi-20th-27th Sept. 1989. | "A model to study the effects of Sex preference on current Fertility." |

Department of Zoology

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|----|-------------------|---|---|
| 1. | O.M. Ambadkar | (i) All India Symposium on Reproductive Biology & General Endocrinology Jan 8-11, 1990 Dept. of Zoology, M.S. Uni., Baroda. | (i) Effect of sex hormones on glycogen metabolism of submandibular gland of male albino rats.

(ii) A comparative study of variations in cholesterol and ascorbic acid in two species of myna as related to male reproductive cycles.

(iii) Influence of chronic isopreteternol administration on certain dehydrogenases of male preputial glands. |
| | | (ii) XIIth Annual Conference & symposium of Indian Society for Comp. Animal Physiology, Waltair March 26-28, 1990. | Influence of chronic isoproterenol therapy on certain dehydrogenases (LDH & MDH) in preputial glands of male rats. |
| 2. | A.V. Ramachandran | All India Symposium on Reproductive Biology and General Endocrinology. Jan. 8-11-1990 Dept. of Zoology, M.S. Uni., Baroda. | (i) Melatonin in lacertilian tail regeneration duration, phase specificity

(ii) Glucagon and Adrenalin responses in dexamethasone treated chicks during the first 30 days of post hatched development.

(iii) Effect of dexamethasone on histomorphology of adrenal and testis and steroid metabolism in the preen glands of male pigeons. |

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| 3. | R.V. Nene | Indian Society of Camp. Animal Physiology Conference on Camp. Animal Physiol., Visakhapatnam, March, 26-28 1990. | Presence of tonic fibres in thigh muscles of pigeon. |
| 4. | M.V. Asnani | All India Symposium on Reproductive Biology & General Endocrinology Jan. 8-11, 1990 Deptt., of Zoology, M.S. University, Baroda. | Effects Dexamethasone on Adrenal and Testis and steroid metabolism in the preen gland of male pigeon. |

(Guest Lectures at other Universities)

5. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES

Sr. No.	Name of the Teacher	University/Institution and Date	Title of the Lecture
Department of Botany			
1.	M. Daniel	Department of Botany, Vidharabha Maha Vidyalaya, Amravati, Sept., 28, '89	Phytochemical Evaluation.
Department of Chemistry			
1.	K.N. Trivedi	12th International Conference of Heterocyclic Chemistry, Jerusalem, Israel, Aug., '89.	New methodologies for the Synthesis of photo dynamically active furocoumorins.
		(ii) Delivered two lectures under UGC Visiting Professors scheme at Uni of Saugar, Saugar on 7-8th Nov. 1989.	Theory of NMR spectroscopy & its application to metal complexes.
2.	A.C. Shah	(i) A series of 5 lectures at south Gujarat University, Surat, 18-20, Jan. 1990.	Application of spectral methods (IR, UV, NMR and Mess) for evaluation of structures of organic compounds.
		(ii) Lecture delived at Applied Chemistry Department Institute of Technology BHU, Varansai, 14th March, 1990.	
3.	S.G. Devi	Convention of Chemists, Indore, Dec. 1989.	Chromatography Yesterday and Today.
Department of Geology			
1.	S. J. Desai	"Granth Goshti" 1.4.89.	The Natural Geochemistry of our Environment.
2.	P.P. Patel	(i) AIsewa Institute Guj. water Supply and sewerage Board, Gandhinagar 27.4.89	Geotechnical Investigation and development of sources for drinking water supply projects.

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| | | (ii) Institute of Rural Management, Anand (ITMA) 4.1.90. | Ground Water resources Management. |
| 3. | R.V. Karanth. | Geological Soc., India. Bangalore, 29.5.89 | Precious & Semiprecious stones. |
| 4. | K.C. Tiwari | Academic staff College, Harisingh Gaur, Vishwa Vidyalyaya, Sagar (M.P. 2.8.1989. | A systematic approach of methodology for ground water exploration. |

Department of Microbiology

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| 1. | K.K. Rao | U.G.C., Academic Staff College, Nagpur Uni., Nagpur, 9-3-90. | Recent trends in Applied Microbiology for human Welfare. |
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Department of Physics

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| 1. | V.P. Bhatt | Arts/Science College Lunawada, (Gujarat) Feb. 18, 1990. | (i) Nuclear Radiations.
(ii) Electronics. |
| 2. | D.R.S. Somayajulu | Workshop at Nuclear Science Centre, New Delhi, April 16-17, 1989. | Measurement of Nuclear "G" factor. |

Department of Statistics

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|----|-------------|--|-------------------------------------|
| 1. | M. Sreehari | (i) South Gujarat Uni. Surat. Feb. 1990 | Limit Theorems in probability |
| | | (ii) Saurashtra University, Rajkot. March, 1990. | Stochastic Processes & Probability. |

Department of Zoology

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| 1. | P.M. Ambadkar | (i) Academic Staff College-UGC-refresher course, Marathawada University, Aurangabad, 26-30 June, 1989. | 4 Lectures on Endocrinology. |
| | | (ii) Academic Staff College-UGC-refresher course, Marathawada University, Aurangabad, 16-30 June, 1989. | 4 Lectures on "Animal Physiology" (Reproduction) |
| | | (iii) UGC-COSSIP Programme Deogiri College, Aurangabad, 27th Jan. 1990. | 1 Lecture on Ethology |
| 2. | A.V. Ramchandran | (i) Invited to give a talk at Gujarat Science Congress at Bhavnagar, February, 1990. | Regeneration. |
| | | (ii) Invited to talk on "Teaching of Development Physiology in Life Science" at the Gujarat State Life Science convention at Ahmedabad March, 1990. | Developmental Biology |

6. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOPS, SUMMER SCHOOL ETC.

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
Department of Biochemistry			
1.	M.D. Jani	U.G.C. Sponsored refresher course in Biochemistry Deptt. University of Poona, Poona-411 007. May 29, 1989 to June 24, 1989.	Participant
Department of Chemistry			
1.	P.K. Bhattacharya	National UGC Workshop held in University of Poona Poona, 22-27 May, 1989.	Resource Person and delivered six lectures.
2.	A.K. Rakshit	(i) National Conference in Biocolloids Surfactant Bombay, Dec. '89.	Participant and Chaired a session
		(ii) Ind. Water soluble and Water Swellable Polymers, Royal Society of Chemistry, UMCST, MANCHESTER, U.K. April, '89.	Participant
		(iii) Industrial applications of Surfactants, University of Sal Ford, U.K. April. 1989.	Participant
3.	N.D. Kulkarni	National Workshop on the Radiochemistry and Applications of Radioisotopes, Institute of Science, Bombay Nov. 1989.	Participant
Department of Geology			
1.	K.C. Tiwari	1st Refresher Course in Geology - Academic Staff College, Harisingh Gaur, Vishwa Vidyalaya, Sagar (M.P.) 17.7.1989 to 5.8.1989.	Participant
Department of Mathematics			
1.	J.P. Singhal	26th Annual Conference of Gujarat Ganit Mandal M.S. University of Baroda, 23-25, October, 1989.	Participant
2.	O.P. Goyal	- do -	- do -
3.	N.V. Patel	- do -	- do -
4.	J.R. Patadia	(i) 26th Annual Conference of Gujarat Ganit Mandal M.S. University of Baroda, 23-25, October, 1989.	Participant
		(ii) Orientation Programme for Assistant Co-ordinators of Indira Gandhi National Open University Study Centres at Hyderabad, Regional Centre, 19-21, March, 1990.	- do -
5.	N.F. Patwa	(i) 26th Annual Conference of Gujarat Ganit Mandal, M.S. University of Baroda, 23-25 October, 1989.	- do -

		(ii) Operations Research at Indian Institute of Management, Ahmedabad, 10.4.89 to 15.4.89 Organised by I.I.M.	- do -
6.	R.C. Patel	26th Annual Conference of Gujarat Ganit Mandal M.S. University of Baroda, 23-25 October, 1989.	Participant
7.	K.M. Dave	- do -	- do -
8.	K.P. Joshi	- do -	- do -
9.	B.I. Dave	(i) - do -	- do -
		(ii) In Service Course in Methodology, of Teaching for Fresh and Newly appointed Lecturers of M.S. University of Baroda. 8.1.90 to 18.1.90.	- do -
		(iii) Gujarat Science Congress Conference at Bhavnagar, 17-18 February, 1990.	- do -

Department of Microbiology

1.	K.K. Rao	ICAR Workshop TX All India Coordinated Research Project of Biological Nitrogen Fixation at Dept. of Microbiology Annamalai University, January 11-13, 1990.	By Invitation as a Project Coordinator presented our Centre's Report.
2.	Gagan A. Pandya	"Site-directed mutagenesis, cloning and isolation of fusion by affinity chromatography" at IARI, New Delhi from Nov. 30 to Dec. 13th 1989.	Participant
3.	Mihali Raval	Workshop of Indics Rice Regeneration and Transformation March 17-24, 1990 at Dept. of Botany & Plant Pathology, Purdue University Indiana.	Participant
4.	Rustam Modi	Site directed mutagenesis & DNase footprinting Varanasi 6-28 Feb. 1990.	Participant
5.	B.B. Chattoo	(i) National Meeting on Rice Biotechnology at Directorate of Rice Research Inst., Hyderabad. 29.11.89	Invited Participant
		(ii) Workshop on 'RFAP Techniques' Cornell University, USA, July, '89.	- do -
		(iii) Swiss National meeting on Yeast genetics and biotechnology, at Nestle Research Centre, CH 1800, Vevey, Suisse, (Switzerland) July '89.	- do -
		(iv) Visiting Scientist, at Biotechnology Divn., Ciba Geigy AG, Basel, Switzerland. (June '89-September '89)	Visiting Scientist

(v) IV Group Monitoring workshop of DST funded projects at Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala. (16-18 January '90) Invited participants

(vi) PAC Meeting on plant Sciences at Univ. of Rajasthan, Jaipur, 6-7 March '90. - do -

(vii) Annual meetings of Rockefeller Biotechnology programme in Colombia, Missouri, U.S.A. 1989. Invitee

Department of Physics

1. J.R. Pandya 4th National Seminar on Crystal Growth, August, 1989, Mysore Member of National Advisory Committee.
2. D.R.S. Somayajulu National Workshop, Group of G D A at Nuclear Science Centre, June 29, 1989. - do -
3. N.L. Singh SERC Winter School (SST) at B.H.U. Varansai, January, 8-28, 1990. Selected for Participation.

Department of Zoology

1. P.M. Ambadkar All India Symposium on Reproductive Biology and General Endocrinology Jan. 8-11, 1990, M.S. Univ. Baroda. Convener of the Symposium
2. A.V. Ramchandran - do - General Secretary of the Symposium and Joint Secretary of the associated Society. The Soc. for Reproductive Biol. & Comp. Endocrinology.
3. P.V. Patel
 - (i) All India Symposium on Reproductive Biology and Comp. Endocrinology, Baroda 8-11 Jan. 1990. As a Member of an Executive Committee in (1) Souvenior & Abstracts.
 - (ii) U.G.C. Refresher Course in Zoology, University of Kashmir, Srinagar, 19.6.89 to 10.7.89. Scientific Committee

7. EXHIBITIONS, PERFORMANCES, DEMONSTRATION ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVEL.

Exhibition of Field Photographs in the Poster Session of the 2nd International Conference on clastic tidal sediments University of Calgary, Canada, August, 1989.

8. NATIONAL AND INTERNATIONAL AWARDS AND DISTINCTIONS :

Name of the Recipient	Description of the Awards Teacher/Non-Teacher Student
Dr. Yogesh T. Jasrai, Teacher	ISCA Young Scientist Award, 1990
Prof. P.K. Bhattacharya	Reappointed as National representative of the Commission V.6 of International Union of Pure and Applied Chemistry and elected member of its subcommittee.
Prof. N.M. Vashi	'Hari-Ohm Ashram' Award for the best paper in Geology.
Prof. D.R. Gadekar	<p>(i) Invited by UPSC to work as an adviser in interview panel for Geologists examination.</p> <p>(ii) Correspondent, Scientific every Alert Network Smithsonian Institution, Washington D.C. USA</p> <p>(iii) Editor, Encyclopedia, Environment of Maharashtra.</p> <p>(iv) Recorder, Geology of Geography section, 77th Indian Science Congress, Cochin.</p> <p>(v) Member, Banking Service Recruitment, Board.</p> <p>(vi) Executive President, Marathi Vinayan Parishad.</p>
Dr. L.S. Chamyal	Hari Ohm Ashram, award for the best paper in Geology.
Dr. M. Sreehari	<p>(i) Invited to be the Editor of Gujarat Statistical Review by the Gujarat Statistical Association.</p> <p>(ii) Elected as Fellow of Gujarat Science Academy.</p>
Shri M.M. Gandotra	<p>(i) Appointed as Member of Working Group, by Govt. of Gujarat, to work out the strategies for Family Welfare Programme in the Eighth Five Year Plan.</p> <p>(ii) Appointed as Co-Ordinator of the Sub-Group on Family Planning and Operations Research.</p>
Dr. B.B. Chattoo	<p>(i) Visiting scientist a Division of Biotechnology Ciba-Geigy Ltd. Basel (1989).</p> <p>(a) Co-ordinator of Rockefeller Foundation grant December 1989-November 1992)</p> <p>(b) Co-ordinator. Indo-Swiss Collaboration project in Biotechnology on 'Genetic Manipulation of plants and microbes' (1988-1991)</p> <p>(ii) National level recognition as a member of the (i) Programme Advisory Committee, Department of Science and Technology (ii) Member of the national task force (DBT) and working group in Biotechnology (DBT), (iii) Editor, Proceedings of Indian Academy of Sciences, Bangalore.</p>

9. DISTINGUISHED VISITORS

Name	Designation	Date/s Duration of the Visit
Prof. A.M. Siddiqui	Chairman, Deptt. of Biochemistry, Faculty of Life Science, Aligarh Muslim Uni., Aligarh.	July 22, 1989
Prof. P.N. Joshi	Deptt. of Biochemistry Poon University Poona.	Sept. 28, 1989
Dr. Anna Giuliano	Tufts University, U.S.A.	Oct. 19, 1989
Dr. A.J. Patel	National Institute for Medical Research, London	Dec. 5-6, 1989
Dr. K.K. Sakkariah	Central Food Technological Research Instt., Mysore	Dec. 12, 1989
Dr. Radha Shanmugasundaram	Head, Biochemistry Deptt. University of Madras	Jan. 5, 1990 Jan. 5, 1990.
Dr. E.R.B. Shanmugasundaram	Professor of Biochemistry Madras University Madras.	- do -
Mr. Ratho A.K.A.	Technical Adviser (Chem) Industrial Commissionerate Govt. of Gujarat, Ahmedabad.	Jan. 23, 1990
Dr. H.C. Srivastava	Emeritus Scientist (CSIR), ATIRA, Ahmedabad.	Jan. 24, 1990
Prof. A.N. Inamdar	Head, Biochemistry Deptt. Bombay University, Bombay	Feb. 21 & 22, 1990.
Dr. SK. Nigam	National Institute of Occupational Health, Ahmedabad.	March 8, 1990.
Dr. R.K. Rao	Tuscan University, Arizona, U.S.A.	March 27, 1990.
Prof. T.A. Davis. Director	of J.B.S. Haldane Research Centre, Nagarcoil : Talk on 'Coconut Leaf Spiral'.	18th July, 1989 11.00 a.m.
Dr. D. Balasimha	CPCRI, Kerala, Lecture on 'Tree Crop Physiology.'	October, 1989
Prof. C.K. Varshney	J.N. University, New Delhi Talk on "Man's Impact on Environment."	5th October, 1989
Prof. P.S. Dubey	Head, School of Studies in Botany, Vikram Uni. Ujjain Lecture on "Recent Trends in Environmental Studies."	20th December, 1989
Dr. J.M. Knobbs	Lecturer, University of Leeds	20th June to 5th July, delivered 1989 delivered two Lectures in "Use of Computer in Chemistry and Industry."

Prof. M. Chaudhary	Professor, North-Eastern Hill University, Shillong.	Delivered one Lecture Nov. 1989.
Prof. C.C. Beddows	Professor	26.12.89 to 7.1.90 Deliv- ered two Lectures.
Prof. D.M. West	Professor, University of Illinois.	8th, 9th, Feb. 1990 Deliv- ered one Lecture.
Dr. Paul Ratna Samy	NCL, Poona	16th Feb. 1990 Delivered Dr. K.G. Naik Gold Medal, Oct. 1987 Lecture.
Prof. R. Kumar	Professor, Institute of Science, Bangalore	16th Feb. 1990 Delivered Dr. K.G. Naik Gold Medal Lecture 1988.

10. VISITORS

Name	Designation	Topic	Date(s) Duration of the Visit
Dr. N.K. Notani	Director, Bio-Medical Group BARC, Bombay	"Transgenic Plants"	27.09.1989
Dr. D. Chatterji	Scientist, COMB, Hyderabad.	DNA, Structure, global confirmation, Micro-hefero- geneite, implications of DNA conformation on the regulation of gene expression, DNA binding proteins, novel structural molifs, heix-turn-helix, zinc-finger leucine zipper etc.	14 to 15 Dec. 89.
Dr. V.V.P.S. Murthi	Reader, MKU, Madura	"Principles of Engg. and their applications in bioprocess developments."	27 to 29 Dec. 89.
Dr. A.N. Bhisey	Scientist, CRI, Bombay	"Cytoskeleton and its regulation."	4-5 Jan. 1990.
Dr.(Mrs.) R.A. Bisey	- do -	"Carcinogenesis "	- do -
Dr. John Bennet	Scientist, ICHEB, New Delhi	"Enhancement of insect resistance in rice through molecular biology.	8-9 Jan. 1990
Dr. P.R. Mahadevan	Director, Experimental biology and therapy, The Foundation for medical research, Bombay.	Myclbacterial infection.	9.2.90 to 10.2.90
Dr. G. A. Ravishankar	CRATCC, Mysore	"Food applications of plant tissue culture.	10.2.90

Prof. U.W. Kenkare.	NFATACC, Pune	"Mechanism of Enzyme action"	12 to 13 Feb. 1990
Dr. A.K. Mattoo	Head, Plant Molecular Biology, Lab. USDA, USA	"Stress-related gene expression in fruits."	13.2.90
Dr. R.P. Dikshit	Deptt. of Microbiology, Panjab University, Deptt. of Microbiology, Chandigarh 160 014.	Cloning, dequencing and homology analysis of the gene regulating alginate biosynthesis in <i>Pseudomonas aerucinos</i> .	
- do -	Deptt. of Microbiology, Panjab University, Deptt. of Microbiology, Chandigarh 160 014.	Bacterial haemolobingene Vt. Hb, some refent basis and applied genetic engineering experiments.	20.2.90
Dr. S.F. D'souza	Bhabha Atomic Research Centre, Bombay	Enzyme engineering & downstream processing.	21.2.90 to 2.2.90
Dr. Haren Vasavadea	Associate research Scientist Deptt. of Human Genetics Yale Uni. School of Medicine 333 Cedar Street, New Haven U.S.A.	A Novel approach to isolate CDNAS encoding transacti-vating factors.	22.3.90

11. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH

Department of Biochemistry has been selected by the U.G.C. to develop Curriculum in Biochemistry for undergraduate and post-graduate classes.

There is an educational link between this department and University of Leads, U.K.

Mr. M.C. Ghia took classes for IAS Students during the year 1989-90.

12. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANISED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS :

- Dr. J.P. Singha
- (i) Worked as Reviwer for Maths. Reviess (U.S.A.) and Zentralblat for Mathematic (West Germany)
 - (ii) Worked as Referee for Mathematics Students.
 - (iii) Appointed outside expert on the Board of Studies in Mathematics of Bhavnagar University, Bhavnagar.
- Dr. V.M. Shah
- Elected President of Section of Mathematics of Indian Science Congress Association for the year 1989-90.
- Dr. N.V. Patel
- Worked as Secretary, Gujarat Ganit Mandal.
- Dr. J.R. Patadia.
- Carried out further researches in career Award Research Scheme of UGC during the extended period from 1.4.89 to 30.9.89.
- do -
- Visited I.I.T., Kanpur from 11.9.89 to 29.9.89 for Research and reference to Library in connection with Career Award Research Project.

1. A Slide Show on "The Natherlands was arranged by Deptt. on 28.8.90 at 3.00 p.m. for the Students & Staff.
2. Mr. Ravindran of informatics Computer Centre, Baroda gave a talk on "Basic application in Modern Society-Careers in Computer Industry" on 26.12.89 at 12.00 Noon.
3. Mr Sunil Razdan of Informatic Computer System had arranged a practical demonstration on 30.12.89 at 6.00 p.m. in his office for the benefit of students & staff.

OTHER ACTIVITIES OF THE GEOGRAPHY DEPARTMENT.

- (1) Research and Study Tour organised by the Department of Geography for Two Teachers (viz. Shri M.C. Ghia and Shri N.R. Dash), 13 Students of T.Y.B.A./T.Y.B.Sc., M.A. (Part-II) and M.Sc. (Final) Classes to the village Nimetha, Taluka Vaghodia, District Baroda during the period from 12.2.90 to 17.2.90.
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Faculty of Education and Psychology

Sr. No.	Name of the Author/s	Title of the Paper/Article	Name of the Journal where in Published with date of Publication
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1. PUBLISHED ARTICLES/PAPERS

Department of Education

1.	R.G. Kothari	(i) Instruction through T.V., Few observations.	Jeevan Shixan, S.I.E. Ahmedabad, April, '89 Vol. VI.
		(ii) One view towards Mathematics	Ganit Darshan, B May-June '89. Vol. 194-195.
		(iii) A comparative Study of PLM and Assignment method in teaching of Mathematics.	-do-
		(iv) Programmed learning Method-learner centre approach.	-do-
		(v) Environmental Education- need of time	School Science Resource letter, RCE, Ajmer, September '89 Vol. IV.No. 1.
		(vi) Use of Educational Technology in teaching of Mathematics.	Ganit Darshan, Baroda, December, '89 Jan. '90 Vol. 200-201
2.	R.G.Kothari, N.A.Shelat, M.M.Shah	Reorganisation of secondary teacher education in context of NPE 1986	Journal of all India Association for Educational Research, Bhuvaneshwar September, 1989, Vol. I.
3.	S.C.Panigrahi	Transfer from serial to paired Associate learning among 10th grade students of Orisa	Indian Education Review, NCERT, October, 1989.

Department of Psychology

I.D. Bhatt	"A Study of social perception of different occupations as perceived by University students.	Journal of personality study and group behaviour, Vol. 8 No.2, 1989.
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2. PUBLISHED BOOKS AND MONOGRAPHS:

Name of the Author/s	Title of the Book/s	Name of the publisher and year of publications
R.G.Kothari, B.R.Panchal	Report of Orientation class on NPE 1986 for secondary/ Higher Secondary school Principals.	Extension service centre, Faculty of Education and Psychology, M.S.U. Baroda, May-June 1989.

3. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCES etc.

Name of the Teacher	Theme, Organisor's Name, Place & Dates of the Conference/Seminar	Title of the paper
1. S.L.Patel & T.P. Lulla	A National Seminar on Revamping Teacher Education held in CASE, 14-16 March, 1990	Role of a teacher- A Historic Perspective.
2. S.M. Joshi	(i) Regional Conference on Adult Education Bhavnagar University, Bhavnagar, 21 November, 1989.	Role of University students in providing Literacy Mission.
	(ii) Organized inservice course for the newly Recruited lecturers of M.S.University, Baroda, 8-18 Jan. '90.	Effective lecturing at the University level.
	(iii) Asian workshop on 'Women in Science & Technology' NISTADS, New Delhi, 8-9-Feb., 1990.	Evolving new Techolgics for preparing women for New Social order.
	(iv) National Seminar on Revamping Teacher Education, CASE, M.S.University, Baroda, 13-15 March,'90.	'A fresh look at Teacher Education'.
3. J.A.Christian	National Seminar of CASE, Baroda, 14-16 March, 1990.	'Role of a Teacher in changing Social context'.
4. R.G.Kothari	(i) 26th State level annual conference of Gujarat Ganit Mandal, M.S.University Baroda, Baroda 23-25 Oct. '89.	Technology in teaching of Mathematics.

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| | | (ii) National Seminar on Revamping Teacher Education, CASE, Faculty of Edn. & Psy. M.S.U. of Baroda, 14-16 March, 1990. | i) Reexamination of theory-practic nexus.
ii. Competency based teacher Edu.
iii. Considering some issues in overhauling of teacher Edu. |
| 5. | S.D.Patankar | (i) National Seminar on Revamping of Teacher Education, 14-16 March, 1990.

(ii) Organisation course for newly appointed lecturers of M.S.University, Jan. '90. | Content mastery in Teacher Education.

Lecture method. |
| 6. | H.J.Patadia | Asian conference organised by Regional college of Education, Bhopal, Nov. 27-29, 1989.

Theme : Teacher Education. | 'New dimensions in training the Mathematics Teachers. |
| 7. | S.G.Panigrahi | National Seminar on Revamping Teacher Education, CASE, M.S.University, 14-16 March, 1990. | Enculturating Teacher Education Programme
An Anthropological perspective. |

Department of Psychology

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| 1. | R.K.Parlikar | i) National Seminar on career guidance for girls N.C.E. R.T., New Delhi, 28-30 Nov., 1989.

ii) Indian Science Congress, 77th session, Cochin, 4-9 Feb. 1990. | Interrupted career pattern of women.

A comparative study of opinions of Indian and Foreign Students in the hostels. |
| 2. | I.D.Bhatt | Indian Science Congress, Feb. '90 -Cochin. | Effect of anxiety on performance. |
| 3. | R.S.Mani | National Seminar on 'Revamping of Teacher Education', CASE, MSU, Baroda, March 14-16, 1990. | Teacher Education in India: some significant Dimensions |

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

Name of the Teacher	University/Institution and Date	Title of the Lecture
Department of Education		
1. M.M.Shah	i) Saurashtra University, Academic Staff College, Rajkot, 10.5.89 and 11.5.89.	"Achievement Motivation"
	ii) Saurashtra University, Academic Staff College, Rajkot. 16.7.89 and 17.7.89.	Sociology of Education
2. B.R.Panchal	i) M.G.Shah High School, Kakanpur, 12.8.89.	Continuous and comprehensive Evaluation Module of NPE.
	ii) Dabka High School, Dabka, 15.9.89.	-do-
	iii) S.R.High School, Davgadh Baria, 16.9.89.	-do-
	iv) H.H.Sheth High School, Malvan, 14.10.89	-do-
	v) Sevasi High School, Sevasi, 16.12.89	Effective Teaching of Science.
	vi) S.R.High School, Devgadh Baria, 24.1.90.	Study habits.
	vii) K.M.L.High School, Piplod, 21.2.90.	Unit planning & Unit testing
3. S.L.Patel	i) Faculty of Home Science, M. S. U., 24.1.1990	Question Bank- Its preparation and use.
	ii) Academic Staff College, University of Rajasthan Jaipur, 24-28 July, 1989.	Human Resource Laboratory
	iii) Academic Staff College Aligarh Muslim University Aligarh (U.P) September 14-15, 1989.	Teaching at the University
	iv) Academic Staff College, Banaras Hindu University, Varanasi 21-22 Sept. 1989.	Educational Management

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|-------------------|---|--|
| | v) Academic Staff College,
Marathwada University
Aurangabad, Maharashtra
3-4 October 1989. | Towards successful,
Educational Management |
| | vi) Academic Staff College
AMU, Aligarh, 22-23 Jan.
1990. | Educational Planning and
Policy making |
| 4. J A..Christian | Haggai advanced leadership
Seminar Gujarat State at
Gandhinagar from 13-15
Oct. 1989. | Human Relations. |
| 5. R.G.Kothari | i) Academic Staff College,
Rajkot 24-25 May, 1989. | i) Emerging role of
a teacher
ii) Pattern of Education in
India for teacher
Training Institutions. |
| | ii) Research & Training Centre,
Ahmedabad, 25-27 July,
1989. | i) Survey as a method
of Research.
ii) Test construction. |
| | iii) Academic Staff College,
Rajkot, 7-8 August,
1989. | iii) Preparation of research
proposal.
iv) Writing research report. |
| | iv) Baroda District Secondary
teachers Association
Baroda, 24th Dec. '89. | Non-formal Education
need and organisation. |
| | v) Baroda District Higher
Secondary teachers'
Association, Baroda, 9th Jan.
1990. | Continuous comprehensive
Evaluation. |
| | vi) Bharuch District Principal's
Association, Bharuch, 10th
Jan. 1990. | National Policy on Education-
1988 & Evaluation system. |
| | vii) Faculty of Home Science,
M.S.Univ. of Baroda, Baroda
5th Feb. '90. | Improving teaching of
Mathematics at standard
VIII. |
| | viii) Field publicity office &
Adult Edu. Deptt. Gujarat
State, Baroda, 31 March, '90. | Evaluation of practical/
Laboratory work. |
| | | Literary and Development. |

Department of Educational Administration

P.B.Dekhtawala	i) Baroda District Sec. teachers Association, Dashrath, 24.12.89	Staff morale.
	ii) Shiksha Bharti (B.Ed.) Allahabad Correspondence course, Baroda, 4-13 Feb.'90 (10 lectures).	Problems of Indian Education
	iii) Shiksha Bharti (B.Ed.) Allahabad Correspondence course, Baroda 4-6 Feb,'90	Teaching of History, Geography and Social Studies.

Department of Psychology

1. R.K.Parlikar	i) Academic Staff College, Saurashtra Univ., Rajkot, May, 1989.	'Motivation' 'Personality'
	ii) Orientation Course for University Teachers, CASE, M.S.U. of Baroda, 1989.	'Counselling' - Approaches and techniques.
2. I.D.Bhatt	Academic Staff College University of Kashmir, May, 1989.	Personality Adolescent Behaviour and their problems.

5. PARTICIPATION IN PROFESSIONAL PROGRAMME WORKSHOPS SUMMER SCHOOL ETC.

Name of the Teacher	Programme, Place & Date	Capacity in which participated
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Department of Education

1. M.M.Shah	Workshop on Admission Criteria for B.Ed. (NCERT), Almora, 3-8-Oct., 1989.	Participant.
2. B.R.Panchal	i) Seminar cum workshop for "The preparation of Unit tests in various school subjects 24.4.89, M.G.Shah High School, Kakanpur	Resource person.
	ii) Seminar on "Continuous and Comprehensive Evaluation, 14.10.89, S.R. High School, Devgadbaria.	- do -
3. J.A..Christian	National Workshop on "Motivation for better	Resource person.

		achievement Saurashtra University, Rajkot, 30th March to 6 April, 1990.	
4.	R.G.Kothari	i) Orientation programme on NPE-1986 for resource person, M.B.Patel College of Education, S.P. University, V.V.Nagar, 1-5 May, 1989.	A member
		ii) Evaluation of Mathematics text book, std. IX, Research & Training Centre, Ahmedabad, 11-14 April, 1989.	Resource person
		iii) National workshop on Developing guidelines and model syllabus for teaching Mathematics in teacher Education curriculum, Deptt. of Teacher Education, NCERT, New Delhi, 3-6-October, '89.	-do-
		iv) Orientation for Mathematics quiz, Bharuch District Mathematics teachers'union, Bharuch, 15th Dec. '89.	-do-
		v) Science Demonstration Programme, Shastri Niketan Women's organisation, Baroda, 6th jan. '90	- do -
		vi) Science Demonstration Programme, Navjeevan High School, Baroda 8th Jan. '90	- do -
5.	S. Kumar	Workshop on Educational Technology in Higher Education, NIEPA, New Delhi, 22-24 May, 1989	Resource person
6.	S.D. Patankar	Orientation to Primary school teachers in teaching of English, December, 1989.	Resource person
7.	N. Pradhan	Developing Curriculum on Educational Technology as a special paper in Teachers' Training Programme, Bombay, 4-6 Nov., 1989.	Resource person

Department of Psychology

Mario Xavier

i) "Management Development Programme " Baroda 7-10 October, 1989 Resource person

ii) "Work as Education Programme" Baroda 1-6 Nov., 1989 Resource Person

6. EXHIBITIONS PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS

1. B.R. Panchal

i) Organised District level Science Fair for Baroda & Panchmahals districts. Participant

ii) Symposium on "Core elements in Text book for std. I to VI organised by Gujarat State Text book Board at Shreyas Vidyalaya, Baroda on 7th Feb. 1990

7. NATIONAL AND INTERNATIONAL AWARDS AND DISTINCTIONS :

Name of the Recipient Teacher/Non-teacher student

Description of Award

Department of Psychology

I.D. Bhatt

Hari Om Ashram Award for the best Research Paper in Psychology, 1989.

B. University Experimental School

1. Courses of Study

The School follows the syllabus and course prescribed by the Department of Education Gujarat Government Secondary and Higher Secondary Boards.

2. No. of Pupils

	Boys	Girls	Total
(a) Primary I to VII	208	129	337
(b) Secondary VIII to X	93	67	160
(c) Higher Secondary (Science & Commerce)	107	50	157

3. Staff

- (a) 5 Teachers in Higher Secondary, 2 Lab Co-ordinators
1 Senior Clerk 1 Junior Clerk and 7 Class IV employees
- (b) 3 Teachers in Secondary Section
3 Vacancies in Higher Secondary, 2 Vacancies in Secondary Section.

4. Retirement

Shri S.R. Patel

5. Activities

- * Annual function for one week, with various programmes during the week.
- * The prize distribution for the collection of Helpage India Debate Competition
- * A lecture on yoga and health by Shri Dushyantbhai.
- * A lecture on Arts by Shri Nilesh Shah.
- * Fancy dress competition.
- * The school has won the first prize at the State level competition. A play 'PARAKASHTHA' was presented by the students of class IV to VII.
- * In the summer vacation the school arranged an educational tour to Nainital, Agra & Delhi.
- * National Service Scheme of M.S. University of Baroda Organized a "Youth Convention."

- * Debate, Drawing Competition, Garba Competition and Essay Writing Competition.
- * A lecture on health was given by Dr. Pradip Patel (Child Specialist)
- * Lecture on Drugs awareness by Deputy Commissinor of Police Mr. Vanzara.
- * A Lecturs on Drug awareness and film by the Lions club of Vishwamitri, Baroda.
- * A film by the Organization "Socleen" on pollution.

5. Results

	Appeared	Passed	Failed	Result/Percentage
New S.S.C March '90.	55	44	11	80%
XII Commerce	67	58	09	86.59%
XII Science	60	41	19	68.33%
		Distinction	Ist Class	
New S.S.C.		10	15	
XII Commerce		07	13	
XII Science		04	10	

Faculty of Commerce

1. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name/s	Title	Name of the Journals wherein published with date of publication
1.	M.D. Mohite	(i) Portfolio Management Aspects in Commercial Banks	The book viz. "Structural changes and Issues of Indian Economy" published by Himalaya Publishing House, Bombay, March, 1990.
		(ii) Analytical Framework of Establishment Utilisation in Commercial Banks.	The book viz. "Structural changes and Issues of Indian Economy" published by Himalaya Publishing House, Bombay, March, 1990.
2.	M.D. Mohite & A.D. Saramma	Wage share Aspect in National Income	The book viz. Structural changes and Issues of Indian Economy" published by Himalaya Publishing House, Bombay, March, 1990.
3.	B.S. Patel	"Job Interview - A Psychological Trap"	Management Review, April 89.
4.	C.S. Rathod	Role of Support Organizations in the Development of Co-operative Movement in India.	'The Co-operator,' New Delhi March 1990, published by the National Co-operative Union of India, New Delhi.

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCES, ETC.

Name of the Teacher	Theme, Organiser's Name Place & Dates of the Conference/Seminar.	Title of the Paper
M.D. Mohite	31st Annual Conference of Indian Society of Labour Economics, at Bangalore University December 23-25 1989.	An Evaluation of Working of public Sector Banks under IRDP in Baroda District during VIth Plan 1985-90.

3. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITY/S/PROFESSIONAL INSTITUTIONS

Sr. No.	Name of the Teacher	University/Institution & Date.	Title of the Lecture.
1.	K.M. Joshi	Dept. of Management, Bhavnagar 17,18,19th February, 1990.	Planning in India
2.	B.S. Patel	(i) Dept. of Business Mgt. South Gujarat Uni. Surat. 6th August 1989. (ii) Dept. of Commerce, Bhavnagar Univ. 17, 18, 19th Feb. 90. (iii) Institute of Mgt. Jalgaon, 2-3rd March 1990. (iv) G.H. Patel Institution of Mgt., V.V. Nagar January to April 90.	"Inter personal Relations "Motivation and Group Dynamics Transactional Analyses Motivation. Taught OB to MBA students.
3.	C.S. Rathod	(i) Udaybhansinhji Co-operative Training College, Gandhinagar August 02, 1989. (ii) Co-operative Training Centre, Bhavnagar August 09, 1989 (iii) Aligarh Muslim Univ. Aligarh September 25, 1989. (iv) National Dairy Development Board, Anand, November 28, 1989. (v) Co-operative Training Centre, Bhavnagar, January 19, 1990.	Place and Importance of Urban Co-operative Banks in the organized Sector of Bank- ing. Urban Banks of Gujarat Role and Development. Role and Development of Urban Banks in India. 1. History and Growth of Co-operative Movement in India. 2. Role of Co-operative in Developing Agricultural Sector in India. Role of NABARD in the Devel- opment of Co-operative Movement in India.

Faculty of Medicine

A BRIEF HISTORY :

The college started its working from June, 1949. This is a Government Institution affiliated to the M.S. University of Baroda. The Annual admission for undergraduate course was 40 in the beginning and has gradually increased to the present figure 140.

BUILDING :

The College is housed in a spacious modern three storeyed building three hundred feet in length, each floor has a lecture hall to accommodate about 160 students, besides there is one main lecture hall to accommodate about 400 students. The Departments of Anatomy, and Physiology are on the second floor. The ground floor consists of Department of Preventive and Social Medicine, Administrative block, Medicine Department, student dining and common room, Clinical Chemistry and Biochemistry Departments and canteen. In addition to the special laboratory, each floor has well equipped Departmental Museum as for Anatomy, Pathology and Preventive and Social Medicine. In the College building a separate animal house also exists storage for dead bodies, post mortem rooms and Ayurvedic out patient Department and research Sciences are in the Associated block near the main College building.

Attached to Shri Sayaji General Hospital, where Clinical Institution are imported, has six Medical, six surgical, four OBST. & GYNAEC., Two Paediatrics, one Dental, Two E.N.T., Three Orthopaedics, One Anaesthesia Unit, One Psychiatric Unit, One Skin & V.D., One Pl. Surgery, Two C.T. Surgery and Two Ophthalmology, One Neurology and one Urology clinic and one Open Hear Surgery Unit are recently started at this College. The Students are posted under the Units for their clinical training.

Attendance in the year 1989-90 is as under :

- (1) Total number of outdoor patients treated being 4,46,702 and average patients attendance comes to 1371.
- (2) Total number of Indoor patient admitted and treated being 40,285 average indoor patients admission comes to 938.

The Campus has several attractive building viz. The Medical College, twenty one Hospital wards, the O.P.D. the Nurses and Resident staff quarters, Physiotherapy School etc. The internees are also housed near the campus. Quarters for Professor, Associate Professor, Asstt. Professors and other staff are situated nearby.

1. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name/s	Titles	Name of the Journals wherein published with date of publications
Pharmacology			
1.	Usha H. Shah	History of Antibacterials	Gujarat Medical Journal, March '90 special issue on antibacterials.
2.	J.D. Bhatt	(i) Interactions of Captaprial with some automatic drugs in guineapig vas. differens.	Ind. Jour, of Pharm. 21, 58-67 1989 (India)

- (ii) Investigation of ethinyl estrdiel indaced potanitation to novedreualine response in isolated rat vas differens. Ind. Journ. of Pharm. 21, 111-119, 1989, (India)
3. J.D. Bhatt (Co-author)
- (i) Cadmium-induced hypertension in rats. Pharm. 38,226-234, 1989 (Canada).
- (ii) Mechanism of acute pressor response to cadmium chloride Ind. Jour of Pharm. 21, 31-38, 1989 (India)
- (iii) A study of the pressor response to acute administration of cadmium in rats. Archieve, International Pharm Therapy 301, 254-266, 1989 (Belgium)
- Neurology**
1. C. Trivedi & P. Kaul Occipital infraction presenting as hemiparasis Neurology India 37, 180, 1989
2. C. Trivedi Current management of CNS tuberculosis In Sonani A.N. and Joshi H (editors) current Management in Neurological Disorders, API Ahmedabad, 1989, PP 35 to 48.
3. P. Kaul Guillani Barre Syndrome; Differential diagnosis and management. "pp 83 to 90
4. P. Kaul & J.D. Lakhani Clinical features of CVA. Gujarat Medical Journal, December 1989.
- Obst. & Gynaec.**
- P.D. Desai Comparison of Cryo Versus cautery to management of benign lesions of cervix. Jr. of O & G. of India, Dec. 89
- Paediatrics**
1. A.R. Shah Acute dapsona poisoading Indian Pediatrics, 1989, 26, 730
2. D.J. Gandhi Acute dapasone poisoning carebellar ataria in Malaria Indian Pediatrics, 1989, 26, 1060
3. N. Shendurnikar Cerebral Palsy & hand function Ind. Ped., 1989, 26, 473.
- Congenital Malaria Ind. Ped., 1989, 26, 1147
- Current trends in Measles immunisation Ind. Ped., April, 1989
4. Uma Naik Acute diapasone poisoning Ind. Ped., 1989, 26, 730
5. S. Aiyer Congenital Malaria Ind. Ped., 1989, 26, 1147.

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINAR, CONFERENCE ETC.

Name of the Deptt.	Name of the Teacher	Theme, organisor's name, place & dates of the Conference seminar	Title of the paper
Anatomy	D.C. Naster Shneal Patel J.J. Shah & N.C. Mehta	State Physician conference, Ahmedabad, Nov. Dec. '89	Kleinfetter's syndrome with trisonny 21 type-of double Anerfaloidy
Pharmacology	U.D. Panchaxri	Vth All Gujarat Conference of I.P.S. held at Baroda on 4.2.90.	A study on effect of abane on estrogen induced hypertension in rats.
Medicine	K.J. Pathak J.D. Lakhani	40th National Conference of Occupational health under the auspices of Indian association of health on 20-22 Jan. 1990 at Medical College and Hotel Surya Palace, Vadodara.	Objective assessment of respiratory disability in occupational respiratory diseases.
Surgery	M.R. Patel	Annual conference of Association of surgeon of India held at Varanasi (Asion-89) from 27.12.89 to 30.12.89	(1) Study of 970 cases of gastrointestinal perforations. (2) Diagnostic Sinography in Abdominal stab wcuonds. (3) Value of imprint cytology FNABC and frozen section in 50 breast lumps. (4) Study of 120 cases of post-injection abscesses.
Obst. & Gynaec	M.H. Hazra	(1) 13th Asia Oceanic federation of Obst & Gynaec congress at Taiwan, RPC 3rd Dec. 1989 (2) 23rd All India Obst. & Gynaec. Conference, Patna, 26 Dec. '89.	Failure of female sterilization (i) Adolescent menstrual pattern and prospective. (ii) Outcome of preg. In cases of threatened abortion (iii) Retained placenta (Study of 11 years.)
	N.P. Mehta (Co -author)	(1) 33rd All India O & G Conference Dec. 1989	Retained Placenta (11 Years study.)

		(2) All Gujarat O & G Conference Oct. '89.	(i) Prognosis of pregnancy after threatened abortion. (ii) Adolescent menstration patterns and perspective. (iii) Adolescent menstruation patterns and perspective
	P.D. Desai (Co-author)	(i) FIB All Gujarat O & G Congress, Mahesana Oct. 89	(i) Adolescent menstruation patterns perceptions and practises. (ii) Prognosis of pregnant in threatened abortion. (iii) Cryosurgery versus cautery in management of cervical Benign lesions
	P.D. Desai	(ii) XXXIII All India and O & G Congress Patna Dec. 1989.	(i) Adolescent menstrual patterns. (ii) Adolescent menstruation perceptions & practises. (iii) Prognosis of Pregnance in Threatened abortion.
Paediatrics	A.R. Shah D.J. Gandhi Uma Naik	15 Annual Conference of I.A.P. Guj Branch at Surendranagar 4.2.90	Study of Placenta in refer-ences to neonatal outcome (1st prize)
	A.R. Shah S.Aiyer	15 Annual Conference of I.A.P. Guj. Branch at Surendranagar, 4.2.90	Neonatal neural behaviour in term asphyxiated nes horns & their outcome (2nd prize)
	A.R. Shah	15 Annual Conference of I.A.P. Guj. Branch at Surendranagar 4.2.90	Study of Vitamin A status of nothertonewborn in relation to gestational age.
Orthopaedic	P.R. Mehta	Annual National Conference of Ind. Orthopaedics Association Ahmedabad, 16-19 Nov. 89	Pulsed Electromagnetic field for difficult non Unions (A study of 39 moninions).
	Ashok Vaishnavi	(i) Annual National Conference of Ind. Orthopaedics Associ-ation, Ahmedabad, 16-19 Nov. '89. (ii) International Symosium on lumber spine disorders, Bombay 10-14 Sept. '89.	Study of paralytic claw band deformity in Leprosy. Gstaopornsis problems and management.
	Paresh Golwala	Annual Conference of Indian Orthopaedics Association 16-19 Nov. 1989	Latrogenic Lateral Popliteal nerve palsy (A study of 53 palsies)

Psychiatry	A.B. Khorana	National drugs dependence programme (NDDP), All India Institute of Medical Sciences, New Delhi, Dec. 14 to 17, 1989.	Management of drugs dependence in patients in General Hospital Psychiatric Unit
Ophthalmology	K.J. Sheth S.J. Bhoti, G.S. Gandhi.	All India Conference of Ophthalmology, Ahmedabad, Jan. 1990	Winbal Lensectomy versus Paerphuna lensectomy
Forensic Medicine	B.D. Gupta V.N. Dave P.H. Barai R.N. Tondon	VIIth Annual Conference of Indian academy of Forensic Medicine, New Delhi, Jan. 19-21, 1990.	Life member IAFM
Skin V.D.	Y.S. Marfatia	XVI Biennial Conference of Indian Association of leprologists, Trichur, Kerala 9-12 Nov., '89.	Profile leprosy children

3. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES, PROFESSIONAL INSTITUTIONS.

Name of the Dept.	Name of the Teacher	University Institution and date	Title of the Lecture
Physiology	B.M. Palan	i) Baroda Medical College Union (IMA Baroda) 4.6.1989	Mind body communication recent advances and role of Hypnosis.
		ii) I.P.C.L. Industrial Medicine centre counselling centre 20.2.90.	Hypnotherapy, scope and application in industrial medicine.
Medicine	K.J. Pathak	i) Baroda Medical Union & Torrent Pharmaceuticals at Hotel Welcome group, 16.4.89.	Allergic disorder and role of antihistamines in bronchial asthma.
		ii) Hoechst's Symposium Hotel Express, on 12.8.89.	Thrombolytic Therapy (Meditor and Chairman)
		iii) C.M.E. Programme of 40th National conference of Occupational as under the auspices of Indian Association of occupational health on 20-22 Jan. 90.	Application of respiratory function test.
		iv) Indian Women Scientists Association, Baroda chapter, on 24/3/90.	Health & working women
Neurology	P. Kaul	Pharmukhswami Medical College, Karamsad 10.1.90	Neurological complications of falciparum Malaria.

	C. Trivedi	i) Indian academic of Paediatrics, Baroda, 22.8.89	Headaches in children
		ii) Indian Society of Pharmacology, Baroda, 14.10.89	Migraine
		iii) Indian Medical Association, Baroda, 22.2.90	Management of cerebro-vascular disease
Obst. & Gyn.	P.D. Desai	i) K.G.P. Children's Hospital, Baroda, May, 89	Neonatal resuscitation
		ii) F.O.G.S.L., Patna, Dec. 89	New look in MTP Panel discussion. Ideal Prescription

4. PARTICIPATION IN PROFESSIONAL PROGRAMME WORKSHOP SUMMER SCHOOL ETC.

Name of the Dept.	Name of the Teacher	Programme, Place & Date	Capacity in which Participated
Anatomy	D.C. Master	Attended 24 days training programme in tubercular in fibrohist, skin & Solid tumour cells culture : Oct. 89 at Cell biology Division Cancer Research Institute Tata Memorial Hospital Parel Bombay.	As a Principal Investigator of the Research project.
Physiology	B.M. Palam	i) 23rd basic hypnosis training course for medical, dental and clinical psychology professional (I.S.C.E.H.), Municipal Medical college, Ahmedabad Oct. 30-31 Nov. 1.2.1989	As a Faculty member
		ii) Advanced workshop on hypnotherapy, Ahmedabad, Nov. 3-5, 1989.	As a Faculty member
Medicine	K.J. Pathak	40th National Conference of Occupational health under the auspices of Indian Association health, 1st 20-22 Jan., 1990 at Medical College & Hotel Surya Palace, Vadodara.	Speaker in its CME Programme, a member of its scientific committee a delegate and a paper presentation.
Neurology	P. Kaul C. Trivedi	i) 14th World Congress of Neurology, New Delhi, 22-27 Oct. 1989	Delegates
		ii) International merite Putnan symposium on epilepsy New Delhi, 20-21 Oct. 1989.	Delegates
Obst. & Gynaec.	P.D. Desai	Workshop for National Teachers Training for Teachers of health and professionals, Chandigarh, PGI, Feb. 1990.	Faculty member

Paediatrics	U.J. Modi S. Aiyar	Workshop of Metabolic disorders and its management at K.E.M. Hospital, Bombay, 8-9 Feb. 1990	Delegates
	U.J. Modi	W.H.O. assisted workshop on strengthening of family welfare training at Hyderabad, 4-10 Oct. 89.	Delegate
	A.R. Shah N. Shendurikar	National workshop on Airway disorders and Pulmonary T.B. at K.E.M. Hospital, Bombay 13-14. Nov. 89.	Delegate
Orthopaedic	P.R. Mehta	i) International Symposium on lumbar spine disorders, Bombay, 10-13 Sept. 89.	Delegate
		ii) National Conference of Indian Orthopaedic Association, Ahmedabad 16-19 Nov. 89.	Delegate
		iii) 8th Annual Conference of Gujarat Orthopaedics Association, Surat, 3-4 March, 90.	Delegate
		iv) All Gujarat P.G. Lecturer course by Gujarat Orthopaedics Asso. 26-27 Jan. 90, Baroda.	Faculty
	Ashok Vaishnavi	i) International symposium on lumbar spine disorders Bombay 10-13 Sept. 89	Invited faculty
		ii) Hands on workshop on spine Bombay 14 Sept. 89	Delegate
		iii) National conference of Indian orthopaedics Association Ahmedabad, 16-19 Nov. 89	Co-convenor, Scientific Programme
		iv) Silver Jubilee conference of Bombay Orthopaedics Association, 14-17 Dec. 89	Delegate
		v) Workshop on "Actual Knee" K.E.M. Hosp. Bombay 13 Dec. 89	Delegate
		vi) All Gujarat P.G. Lectures course by Gujarat Orthopaedics Association 26-27 Jan. 90, Baroda.	Convenor and faculty
Orthopaedic	Paresh Golwala	i) National conference of Indian Orthopaedics Association Ahmedabad, 16-19 Nov. 89.	Co-convenor scientific Programme
		ii) All Gujarat P.G. Lecture course by Gujarat Orthopaedics Association 26-27 Jan. 90, Baroda.	Faculty

Ophthalmology	K.J. Sheth	Corneal symposium, Ahmedabad, Jan. 90	Co-chairman
Anaesthesia	Suresh G.	Workshop in Open heart Surgery organised by Cardiothoracic Surgery in June 89.	Participant
		Dept. of Pl. Surg. had organised national conference.	
		Workshop was organised with actual hemaferriation in exsuction Lipedtomi under breast anaesthesia in abdominal observed patcuts.	
Forensic Medicine	B.D. Gupta S. Basu	Vth Orientation course IN CEIMINOCICOYN Forensic Sciences at I.C.R.S., New Delhi, March, 5-9 1990.	Professor of F.M. Tutor in F.M.
	V.N. Dave	Workshop on Punepsy panaphology at Grant Medical College, Bombay, March, 12-19, 1990.	Prof. of F.M.
	S. Basu	Workshop on autopsy pathology at Grant Medical College, Bombay, Dec. 13-19 '89	Tutor in F.M.
Skin V>D.	Y.S. Marfatia	i) Workshop on multidrugs therapy of leprosy Trichur Kerala Nov. 12th 1989	Delegate
		ii) Workshop on dermopopathology Jaipur Jan. 18th, 1990	Delegate
		iii) 18th National conference of Indian Association of Dermatologist , Venereologist, leprologist, Jaipur ,19-21 Jan. 90.	Delegate

5. EXHIBITIONS, PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS.

Orthopaedics	P.R. Mehta	National Conference of Indian Orthopaedics Association, Ahmedabad, 16-19 Nov. 1989.	Poster exhibition on lipamantour injuries of the knee joint (A study of 20 cases)
	Ashok Vaishnavi	National Conference of Indian Orthopaedics Association, Ahmedabad 16-19 Nov. 1989	i) Poster exhibition on management of foot drop by tibialist posterior tendon transfer in leprosy ii) Video presentation of: (1) Operative procedure of modified Turca's procedure in C.T.E.V.

Paresh
GolwalaNational conference of Indian Orthopaedics
Association Ahmedabad 16-19 Nov. 1989(2) Operative procedure
of Tibialis Posterior
transfer in Leprosy for
foot drop.Compartmental
Syndrome pressure
measurement by vide
sides methods (A study
of 1000 cases).**6. ANY PROGRAMME OF THE FACULTY OF THE BENEFIT OF THE COMMUNITY**

Name of the Deptt.	Name of the Teacher	Programme, Place and Date
Physiology	B.M. Palan	Joined the 'Maarg', M. S. University Counselling Centre and Centre for D. eraddiction as one of the Counsellors.
Pediatrics	S. Aiyer	Conducting Child Care Clinics at Friends' Society, Fatehgunj and participating in WCCST forerenetion of ratonlstheraphy.
Ophthalmology	K.J. Sheth	Eye Camp as a part of pareil of community ophthalmology.

7. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANISED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS

Skin V.D.	Y.S. Marfatia	Organisation of one day Leprosy Orientation programme for Internees in collaboration with Shram Mandir Trust. This year it was organised on 10.3.90 at Siddharth and I was one of the Faculty Members.
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Sheth Ujamsinh Pitambardas Ayurvedic Research Unit

1. FUNCTION OF THE UNIT :

The only function of Sheth U.P. Ayurvedic Research Unit is Research on Ayurvedic Medicine.

Library :

The unit has a Library with about 2,500 books on different subjects like Ayurvedic Medicine, Pharmacology, Pathology, Chemistry, Botany etc. However the total number of books have remained constant for some years as no books have been added.

2. MUSEUM :

Fifty groups of available medicinal herbs, each group consisting of 10 drugs according to the Pharmacological Classification of Chart, are arranged and maintained. A section of Ayurvedic Medicinal preparations is also provided. Work concluded in the Unit is exhibited separately. There are about 1,000 Ayurvedic specimens, 54 herberium frames, 7 Original Ayurvedic Photo frames, 75 specimens jars of fresh herbs preserved in solution and 16 charts and maps. About 300 specimens have been collected for herberium and are classified. A relief map of India showing the distribution of important medicinal plants of India is exhibited in the museum.

3. RASH-SHALA :

There is a Rash-Shala for preparation of some of the Ayurvedic preparation for the O.P.D. patients and for research.

4. GENERAL AYURVEDIC O.P.D. :

During 1989-90 total of 19741 cases were treated, out of which new cases were 1149 and old cases were 18,592

5. ACTIVITIES OF THE DEPARTMENT :

Research :

The following thrust areas are isolated for research for the next five years :

1. Allergic disorders of all types
2. Protozoal diseases (ICMR priority subject)
3. Arthritis
4. Paediatric diarrhoea

The study of three drugs which are mentioned for Allergy are under study :

- (a) Curcuma Longa - Haridra
 - (b) Berberis Arstata - Daruharidra
 - (c) Picrorhiza Kurroa - Kutaki
6. Use of S.S.G. Hospital :

The Unit has arrangement for the use of beds in S.S.G. Hospital through the Honorary Physician attached to Sheth U.P.A.R. Unit for the purpose of clinical trials.

7. STAFF :

Sheth U.P.A.R. Unit has the following Staff :

One Director, who is responsible for the administration,

One Joint Director, One Honorary Physician, (Modern Medicine) Research Officer (Ayurveda), Assistant Research Officer, (Ayurveda), One Ayurvedic Compounder, One Jr. Clerk, One Lab. Attendant, and One Sweeper.

There is a provision to take co-operation from following Departments of M. S. University in pursuit of its objectives :

- i. Department of Chemistry -
(1 Organic 2) Synthetic 3) especially natural products
- ii. Department of Microbiology & Biochemistry
- iii. Department of Pharmacy (Technology)
- iv. Department of Nutrition (Home Science)
- v. Department of Sanskrit (Arts)
- vi. Oriental Institute
- vii. Department of Statistics

The heads of these departments are known as Co-ordinators for research in SUPARU and are paid Rs. 100/- p.m. as honorarium for which the P.G.I.R. Fund & relevant 0.224 is amended.

Faculty of Technology and Engineering

1. COURSES OF STUDIES

Electrical Engineering :

The modernization of existing curricular was continued by introduction of new subjects of 'Personal Computer Systems and Operation', and 'Fault Diagnosis' in teaching. The subject of 'Robotics' was introduced in the syllabus at Master's level.

2. PUBLISHED ARTICLES/PAPERS :

Sr. No.	Name	Title	Name of the Journals where in published with date of publication
Applied Mechanics Dept.			
1.	Piyush Parikh A.V. Shroff	Use of Grouted Mattress for canal bed/slope protection	State of art report published by CBIP, Delhi, during Int. workshop on Geotextile, 1989, p. 310.
2.	A.V. Shroff	Load-deflection characteristics of fabric Reinforced weak soil subgrades/	Proceedings of Int. workshop on Geotextile, Nov. 1989, Vol. I, Pubin. no. 206, pp. 141, Tata McGraw Hill.
3.	S.C. Patodi	a. Auto redundant flexibility Techniques b. A method for non-linear analysis of beam & arch problems.	Journal of Engg. & Tech. SP. University Vol. 4, Dec. 1989. Journal of Eng. & Tech. S.P. University Vol. 4, Dec. 1989.
4.	N.M. Patel	Potential of Geosynthetics for use in bearing capacity Improvement	CBIP state of the art report on geotextiles, released at Bangalore in Dec. 1989.
5.	R.H. Shah	Correlation of compressive strength of concrete by destructive and non-destructive test.	Journal of Engg. & Tech., S.P. University, Feb. 1990.
6.	D.L. Shah	Underground checkdam on river Bhadar.	Journal of Engg. and Tech. ,S.P. University, 1989.
Electrical Engineering Dept.			
1.	B.A. Patel, V.K. Mishra	Recent innovation & Development in Energy & load Management with special reference to communication.	Vidyut Bharati a quarterly publication of power electricity authority, New Delhi, Vol. XII, Oct-Dec., 1989. No.3

Civil Engg. Dept.

- | | | | |
|----|---|--|---|
| 1. | P.C. Parmar,
P.N. Sutaria, G.S.
Parthasarathy,
P.M. Modi | Optimisation of Border Irrigation system using Computers | Proceedings of National Seminar on Computer Applications in Water Resources Management. Vadodara, Sept. 23rd 1989. |
| 2. | D.T. Shah,
N.M. Bhatt
J.D. Desai | Computer Approach for the design of revers Osmosis System | Proceedings of National Seminar on Computer Applications in Water Resources Management. Vadodara, Sept. 23rd 1989. |
| 3. | D.T. Shete | Design of Drip Irrigation system for Banana plantation on Nonuniform sloping ground. | Proceedings of XI International Congress on the Use of Plastics in Agriculture, Feb. 26th March 2nd 1990 New Delhi. |

Metallurgy Engg. Dept.

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|----|-----------------------------|---|--|
| 1. | D.K. Basa,
S.K. Agrawal | Energy Economy through the efficient utilization of liquid metal. | Proceedings of the Seminar on Energy conservation in foundries, held in August, 28-29, 1989, by IIF, Baroda Chapter. |
| 2. | S.K. Agrawal
S.N. Soman | Characteristics of Ester-silicate Binder system | Proceedings of 38th Annual Convantion of IIF, Baroda Chapter, 25-27th Jan. 90. |
| 3. | D.K. Basa &
V.L. Gadgeel | Use of natural gas in cupola | - do - |
| 4. | S.R. Munshi &
D.K. Basa | Costing & Casting | - do - |

Pharmacy Department

- | | | | |
|----|--|--|---|
| 1. | Y.K. Agrawal,
R. Giridhar &
S.K. Menon | Spectrophotometric determination of Carbamazepine | IInd. J. Pharm. Sciences, 51, 75 (1989) |
| 2. | R.S. Gaud,
S.C. Chaturvedi,
S.H. Mishra | Formulation and evaluation of antimicrobial activity of fixed oils of <i>Psoralia corylifolia</i> and <i>Pongamia glabra</i> . | Indian J. Nat. Prod., 5(1), 19-21 (1989) |
| 3. | P.C. Parekh,
S.K. Menon &
Y.K. Agrawal | The Thermodynamic metal ligand stability constants of Hydroxamic acids with some divalent metal ions. | J. of chemical society (London), Prekin Translation II, 1117 (1989) |
| 4. | R. Balaraman,
O.D. Gulati,
G.D. Bhatt &
S.P. Rathod | The acute pressor Response to Cadmium in Rats. | Arch. Int. Pharm. & Ther., 301, 253-266 (1989) |
| 5. | G. Mukherji,
R.S.R. Murthy,
B.D. Miglani | Synthesis of compounds of 5 Fluorocysteine and glutamic acid. | Pharmazie, 44, 8(1989) |

Chemical Engg. Dept.

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|----|--|---|---|
| 1. | S.A. Puranik
S.B. Pandya | i) Energy conservation in
Petrochemical Industries | Proceedings of National Seminar on
Energy Conservation and planning,
Institution of Engineers, P. 121-133,
May, 1989. |
| | | ii) Petrochemicals and the
energy perspectives 2000 AD | Chemical Engineering world, Vol.
XXIC, No. 7, July 1989 |
| | | iii) Design of memberance pro-
cesses-Reverse Osmosis
and Electrodialysis | Proceedings of the conservation of
Water Management in Industries Inst,
of Engineer (India), VI., 9.1 to 9.17,
Jan. 1990 |
| | | iv) Membrane Processes for
water desalination | Chemical Engg. World, Feb. 1990,
Vol.XXV No. 2, p. 71-76 |
| 2. | S.A. Puranik,
& R. Sengupta | Design of packed tower for
absorption on Heat and Mass-
transfer, Society. | Proceedings of National Seminar, on
Heat and Masstransfer, Society for
HMT, Srinagar, P. 495 to 5000, Aug.
1989 |
| 3. | S.A. Puranik,
K.K. Hathi &
R. Sengupta | Hazard Prevention through
Technological alternatives | Proceedings of International seminar
on Safety and loss prevention in
chemical Industries, Applied
Research Corporation publishers,
Singapore, I-21-28 Oct. 1989. |
| 4. | S.A. Puranik,
K.K. Hathi
S. Purohit | Residence Time distribution in a
spray column-dense packing
region | Preprints of Chemical Engg. Con-
gress, 1989 Trivandrum A-45, P. 123-
27, Dec. 1989 |
| 5. | S.A. Puranik,
S.P. Dabke &
Y.R. Desai | Ternary Vapour liquid equilibrium
data for | Preprints of Chemical Engg.
Congress 1989, Trivandrum, C-85, P.
164-68, Dec. 1989. |
| 6. | S.A. Puranik
K.T. Oza | Mathematical modelling for
correlating phase equilibrium
data | Preprints of Chemical Engg,
Congress 1989, Trivandrum C-86,
P-269-273, Dec. 1989. |
| 7. | S.A. Puranik,
R. Sengupta &
B. Shah | Semiconductor Fabrication
Technology-Chemical Engg.
aspects of chemical vapour
demonoposition. | Chemisearch and Industry Technical
Papers, Wisitexgo, Vol. IV, No. 8, Jan.
1990. |
| 8. | R.V. Patel &
N. Subrahmanyam | Enzymatic hydrolysis of Wheat
straw using F. monilaforme.' | Proceedings of the National Seminar
on 'Bioconversion of Agro/Cellulosic
residue to energy, food and chemical
Andhra University, Waltair 3 - 4th Oct.
1989. |
| 9. | D.K. Adhikari
V. R. Sista & | Microbial dewaxing of heavier
petroleum fractions | Proceedings of the Chem. Cong., 89
(42nd session of the IICChE), |

N. Subrahmanyam

Trivandrum 1989 Dec. (PP-447 to 451)

- | | | | |
|-----|--|--|--|
| 10. | Bima Shah &
R. Sengupta | Kinetics of Liquid Phase
estricifications of Benzyl Alcohol with
butyric acid using Agrion C-100 as
catalyst. | - do -
Page 185-189 |
| 11. | S.B. Pandya,
S.P. Dabke ,
S.V. Patel &
J.K. Patel | Flow Behaviour and Heatd
Transfer in suspension Polymeri-
zation systems | J.M.S. Univ. of Baroda, Vol. XXXIII-
XXIV, No. 3, pp. 1-8 (April 1989) |
| 12. | R. Solanki,

S.B. Pandya | Petrochemicals and the Energy

perspective; 2000 A.D. | Chem. Engg. World (CEW), Vol.
XXIV,
No. 7 No. 3 pp. 65-72 (April 1989) |
| 13. | D.N. Sharma,
S.P. Dabke &
S.B. Pandya | Suspension Copoly-Merization of
Styrene Methyl methacrylate | Chem. Engg. World (CEW), Vol. XXV,
No. 1, pp. 69-73 (Jan. 1990) |
| 14. | S.B. Pandya | A Chemicals and Energy
perspective for the year 2001 | Indian Chem. Engr. Vol. XXXII (1),
pp. 3-8 (Jan.-March 1990) |

Applied Chemistry Department

- | | | | |
|----|--|---|--|
| 1. | R.A. Vora,
S.L. Arora,
P. Palffy,
Muhoray | Reentrant Phenomena in Cyano
substituted biphenyle esters
containing flexible spacers | Liquid Crystals, 1989, Vol. 5 No. 1, P-
133-140 |
| 2. | R.A. Vora,
N.K. Chudgar,
S.N. Shah | Mesogenic Semicarbazones and
Amino oxadiazoles - I | Mol. Cryst. Liq. cryst. ,1989, Vol. 172,
P. 51-56 |
| 3. | C.R. Jejurkar | Synthesis of mixed Schiff's base
complexes of Cu(II), Ni(II) &
their spectral magnetic & antifungal
studies. | Ind. J. of Chemistry, Aug., 1989 |

Applied Physics Department

- | | | | |
|----|---|---|--|
| 1. | T.R. Joshi,
R.V. Joshi &
K.V.R. Murthy | Thermoluminescent characteristics
of material zeolites 0/3 (Hulandite,
CaOAl ₂ 75 io2 6H 2 | B. Electro-Chemistry, 5(9), Sept. 89 ,
pp 714-717 |
| 2. | K.P. Dhake,
T.R. Joshi,
A.K. Nehte,
S.N. Patil,
J. Jayshree | Deformation induced fluorescence
in organic Monomer and polymer | B. Electrochemistry, 5(10) Oct. 89
pp 764-766 |
| 3. | K.P. Dhake,
T.R. Joshi,
A.K. Nehte,
N. George | Variable does of Beta on
Thermoluminescent phosphor
NaCl : Ca | B. Electro Chemistry, 5 (11), Nov. 89
pp 837-840 |

- | | | | |
|----|---|--|---------------------------------------|
| 4. | K.P. Dhake,
W.P. Bhagat,
H.K. Mahajan,
I.A. Shaikh, T. Bhavana | Pretransitional effect in Nematic liquid crystal | J.A.S.I. 17, 161-163 Dec. 1989 |
| 5. | J.R. Pandya and
D.R. Joshi | Orientation dependent quench hartness anisotropy of rhombo hedral cleavages of sodium nitracts | Pros. Solidstate Phys. Sym, 32C, 1989 |

Textile Chemistry Department

- | | | | |
|----|-------------------|--|--|
| 1. | S.B. Guha | i) Dyeing of Polyester in Solvent-monomer system at Low Temperature
ii) Effect of aromatic acid on Cotton dyed Polyester | Colourage, 1989, 36(9), 27-30.

Textile Dyer & Printer, March 21, 1990. |
| 2. | R.P. Jamdagni | i) Glyoxol in Resin Finishing
ii) Glyoxol in Resin Finishing Pad-dry cure process
iii) Glyoxol in Resin Finishing Pad-dry cure process | Colourage 1st Feb., 1990
Colourage, 15th Feb., 1990
Colourage, 1st march, 1990 |
| 3. | S.D. Bhattacharya | IR Spectroscopic Analysis of basic dyed Wool Fibre | Colourage, 15th April, 1989 |

3. PUBLISHED BOOKS

Name of the Author	Title of the Book	Name of the Publisher & Year of Publication
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Applied Mechanics Department

T.D. Bhagia	Strength of Material Vol. I	C. Jamnadas & Co., Bombay, August, 1989
H.J. Shah	Reinforced Concrete Vol. I Edition III	Charoter publishers, Anand, January, 1990

4. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCES ETC.

Sr. No. Name of Teacher	Theme, Organiser's name, Place & dates of Conference/ Seminar	Title of the Paper
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Applied Mechanics Dept.

1. Piyush Parikh, A.V. Shroff D.L. Shah	Engineering applications of remote sensing & recent advances, National Symposium at Indore in 1989, Organised by Indore Chapter of ISRRA.	Critical appraisal of role of remote sensing in Geotechnical Engg.
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2. A.V. Shroff, D.L. Shah	<p>1. XIth International Conference on SMEE, Rio-de-Janeiro, Brazil in August, 1989, Organised by ISSMEE.</p> <p>2. Indian Geotechnical Conference in problematic Soils and rocks held at Vishakhapatnam, December 1989, Organised by IGS, New Delhi, & Andhra University.</p> <p>3. R. & D session of CBIP, held at Shrinagar in 1989, Organised by CRIP, New Delhi</p>	<p>UE grout System with new interactive Chemical process.</p> <p>Optimization of Chemical grout for alluvial grouting</p>
3. A.V. Shroff	<p>International Symposium on Buried structures and Tunnels held at Bangkok, Thailand, Nov. 27-29, 1989 organised by AIT, Bangkok</p>	<p>Shotcrete mix design & process of shotcreting at Narmada Power House tunnel, India. Deformation characteristics of Fabric reinforced weak soil subgrades</p>
4. N.M. Patel	<p>Proceeding of Symposium on preparedness, Mitigation & management for natural disasters held at New Delhi in August, 1989</p>	<p>Hazards of flood waters in Alluviums</p>
5. K.R. Biyani	<p>CBIP Conference, Roorkee, December 89 - January, 1990.</p>	<p>Shearing behaviour of rock joints in direct shear box test with cement sand as gauge material.</p>
Civil Engineering Deptt.		
1. R.D. Bhatt	<p>National Workshop on preparation of Laboratory Manual for Transportation Engineering at GSTI, Indore on 24th March, 1990.</p>	<p>Traffic Surveys</p>
Mechanical Engg. Deptt.		
1. S.S. Shikh	<p>Bhopal Summer, February, 1990</p>	<p>Preservation of perishable food during transportation.</p>
2. P.I. Desai, P.B. Desai, J.P. Khatri	<p>National Conference on CAD/CAM, PSG College of Tech., Coimbatore, Sept.. 22-24, 1989.</p>	<p>On the use of Computer in CUSUM Chart parameter optimization employing search method.</p>
3. P.B. Desai J.P. Khatri	<p>National Conference on CAD/CAM, PSG College of Tech., Coimbatore, Sept. 22-24, 1989</p>	<p>Computer Assisted Mathematical Modelling of Nozzleware in Abrasive jet curtting processes.</p>

Architecture Deptt.

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|----|------------------------------|---|--|
| 1. | A.G. Navangul,
H.S. Patel | NBO of IIA & Modular Co-ordination and prefabrication, Vadodara, 22nd & 23rd February, 1990 | Modular Co-ordination |
| 2. | H.S. Patel | Lecturers' Training Programme-CASE, M.S. University, January, 1990. | Discussion at Teaching methodology in Class Room situations. |
| 3. | V.U. Matai | MBO & IIA & Modular Co-ordination and Prefabrication, Vadodara, 22nd & 23rd February, 1990. | Modular Co-ordination A strategy for implementation. |

Metallurgy Deptt.

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|----|--|--|---|
| 1. | N.S. Sunder Murti | Seminar on 'Corrosion Management' organised by P.N.G.C. , Baroda, 23-25th Jan., 1990 | Science of Corrosion & its forms. |
| 2. | V.L. Gadgeel | Seminar on Corrosion Management, Organised by ONGC, Baroda on 23rd-25th January, 1990 | 1. Corrosion Inhibitors
2. Corrosion Failure Analysis |
| 3. | A.B. Lele | Seminar on Corrosion Management, Organised by ONGC, Baroda, on 23rd-25th January, 1990. | Selection, Application and inspection of protective coatings. |
| 4. | M.N. Patel | Seminar on Corrosion Management, organised by ONGC, Baroda, on 23rd-25th Jan. 1990 | Material Selections for Corrosive Environments. |
| 5. | N.S. Sunder Murti,
S.R. Rawal &
V.L. Gadgeel | ATM of IIM on 14th November, 1989 | Some Studies on Heat Transfer within Pellet |
| 6. | K.B. Pai &
M.N. Patel | National Seminar on Corrosion & its prevention in steel & related Industries, held at Ranchi by RDICS, SAIL, on 19-20 October, 1989. | Corrosion of Welded S.S. 304 in Crude Isopropyle Alcohol, a case study |
| 7. | V.L. Gadgeel &
K.B. Pai | All India Conference 'RIMMOCIN' - 89 held at Baroda by IIM, Baroda Chapter on 7-8th December, 1989 | Effect of Tin, Arsenic & Anil money on Dezinification behaviour of 60-40 Brasses in sea water. |
| 8. | K.B. Pai | All India Conference 'RIMMOCIN' - 89 held at Baroda by IIM, Baroda Chapter on 7-8th December, 1989 | Electro-Chemical Corrosion Studies on Conventional Lithium Bearing Aluminium alloya for Air Craft Applications. |

Pharmacy Deptt.

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|------------------|---|---|
| 1. S.K. Banerjee | Indian Pharmaceutical Congress, held at Bombay on 18th December, 1989 | Stability studies on some antimycotic imidazoles |
| 2. R.S.R. Murthy | Indian Pharmaceutical Congress, held at Bombay on 18th December, 1989 | Influence of PKa of drug on permeability and enteric coating performance of cellulose acetate pntalate. |

Chemical Engg.

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|---|--|--|
| 1. S.A. Puranik,
K.K. Hathi and
R. Sengupta | i) International Congress on Safety and loss Prevention in Chemical industries, Applied Research corporation, Singapore, 25th to 29th October, 1989

ii) International Seminar on Chemical Engineering Education and Research, IICHE, Calcutta, 2nd to 4th November, 1989. | Hazard Prevention through Technological alternatives

i) Some thoughts about Syllabii and course contents for a Chemical Engineering Course.

ii) Success through Effective Interaction between University and Industry. |
| 2. R.S.R. Murthy | i) Gujarat State Pharmacological Conference held in Baroda on 4.2.90

ii) Indian Pharmaceutical Association, Regional Conference held at Baroda in Nov., 1989. | Target Delivery of Drugs.

Pharmacy Education an overview. |
| 3. S.A. Puranik | Fifth National Convention of Chemical Engineers (India), Hyderabad, 5th to 7th Jan., 1990. | Mathematical Modelling for Correlating L.L.E. data |
| 4. S.A. Puranik,
& R. Sengupta | i) Fifth National Convention of Chemical Engineers (India), Hyderabad, 5th to 7th Jan., 1990.

ii) Indian Chemical Engineering Congress, CHEMCON 1989 IChE, Trivandrum, 21st December to 24th December, 1989 | Liquid distribution in packed column

Design of Membrance process for water desalination. |
| 5. B.H. Shah
R. Sengupta &
S.A. Puranik | WISTEX 90 International Tech. Congress 6th International Symposium in Instrumentation, Manufacturing Techete, Bombay, 5-7 February, 1990. | Semiconductor Febrication Technology the Chemical Engineering aspects of CVD. |

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|----|---|---|--|
| 6. | Trivedi,
M.H. Divekar &
N. Subrahmanyam | 'Modelling and Simulation in Chemical Engg.'
(II National Symposium), II Sc., Bangalore,
6th to 8th July, 1989. | 'Software Development
for condensation of
Vapour in presence of
Non-condensable Sand. |
| 7. | N. Subrahmanyam | National Seminar on 'Bioconversion of
Agro/Cellulosic residues to Energy Food
and Chemicals,' Andhra University, Waltair,
3rd 4th October, 1989. | Plenary lecture on
Enzymatic Hydrolysis of
Agro- Wastes in India
potential and prospects. |
| 8. | K. Ethirajulu | Indian Chemical Engg. Congress CHEMCON
1989, Trivandrum, 21st to 24th December,
1989. | Performance of Well
head chokes Oil
production. |
| 9. | Bina H. Shah &
R. Sengupta | CHEMCON 1989, 42nd Annual Session of
IChE, Trivandrum, December 15th to 18th
1989. | Studies on the Kinetic of
Liquid Phase
Esterification of Benzyl
Alcohol with Butyric acid
using agrion C-100 as
Catalyst. |

Applied Chemistry

- | | | | |
|----|----------------------------------|--|--|
| 1. | R.A. Vora &
J.P. Patel | National Symposium on Polymer
Chemistry, S.P. University, India February
8-10, 1990 | Liquid Crystalline
Polyschiff bases |
| 2. | R.A. Vora &
Ranjana Nigam | 26th Annual Convention of
Chemists, December, 1989, Devi Ahilya
Vishwavidyalaya, Indore. | Liquid Crystals as
Stationery Phase in the
Gas Chromatography. |
| 3. | R.A. Vora &
G.D. Mehta | 26th Annual Convention of
Chemists, December, 1989, Devi Ahilya
Vishwavidyalaya Indore. | Liquid Crystalline Twin
Dimers (Mesogenic
Siamese Twins) |
| 4. | R.A. Vora &
J.R. Techchandani | 26th Annual Convention of
Chemists, December, 1989, Devi Ahilya
Vishwavidyalaya, Indore. | Mesogenic-Di-Choles-
teryl Carbonate with
Flexible spars. |

Applied Maths

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|----|------------------------------|--|---|
| 1. | D.P. Patel &
S.R. Agrawal | i) I.M.S. Conference, Delhi, December,
1989

ii) Indian Science Congress, Cochin,
February, 1990 | On convergence of Or
thogonal Polynomial
Series.

An estimation of Norlund
Lebesgue functions of
some Polynomials like
Orthonormal System. |
| 2. | V.D. Pathak | Vith Gujarat Science Conference 24-25th
Feb., 1990, Bhavnagar University,
Bhavnagar. | "Applications of Group
theory to Computer Sci-
ence." |

Applied Physics Deptt.

- | | | |
|---|---|--|
| 1. K.V.R. Murthy &
T.R. Joshi | IV National Seminar on Crystal Growth
August 14-16, 1989, University of Mysore,
Mysore | Characterisation of
Natural Zeolites of
Deccan Traps of Poona,
Aurangabad and Baroda,
using Thermolumines-
cence (TL) Tool. |
| 2. O.H. Mahajan &
T.R. Joshi | IVth National Seminar on Crystal Growth,
August 14-16, 1989, University of Mysore,
Mysore | Thermoluminescence of
NaCl : Ba Phosphor |
| 3. W.P. Bhagar,
I.A. Shaikh,
K.P. Dhake &
T. Bhavna | Ultrasonic Instrumentation and Transducers
for Scientific and Biomedical Applications at
NPL, New Delhi, September, 20th, 1989. | Study of Ultrasound in
Blood Specimens of
some animals. |
| 4. K.P. Dhake,
W.P. Bhagat,
I.A. Shaikh,
Jiji Cherian,
Faisal Ajjeah &
T. Bhavna | 4th National Symposium on Ultrasonics
21-22 September, 1989, N.P.L., Delhi | Temperature effect on
Physical Parameters
of Metal Chelates. |
| 5. K.P. Dhake,
I.A. Shaikh,
W.P. Bhagat,
H.K. Mahajan &
T. Bhavna | National Symposium on Accoustics, 14-16
December, 1989. Calcutta | Pretransitional effect in
Nematic Liquid Crystal |
| 6. J.R. Pandya &
T.R. Joshi | Solid State Symposium, December 19-22,
1989, I.I.T., Madras. | Orientation dependent
quench hardness
anisotropy of
Rhombohedral
Cleavages of Sodium
Nitrate. |
| 7. K.V.R. Murthy &
T.R. Joshi | XXIth National Seminar on Crystallography,
December 27-29, 1989, BARC, Bombay | Characterization of
Natural Zeolites using TL
tool (Calcium rich Natural
Zeolites). |
| 8. V.N. Potbhare &
N. Tresslar | Symposium on Nuclear Physics, A.M.U.,
Aligarh, December 26-30, 1989. | Single Nuclear Transfer
Reactions Centroid and
Width. |
| 9. K.V.R. Murthy,
R. Manmohan &
T.R. Joshi | Symposium on Crystal Nucleation,
Solution Growth and Surface Morphology,
January, 8-9, 1990, Madras. | Growth & Characteriza-
tion of Sb, Sn, Cd, and In
doped KCl Crystals. |
| 10. K.V.R. Murthy &
T.R. Joshi | 3rd CECRI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Phase change Thermo-
luminescence of
Scolecite (Zeolites) |

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|--|---|---|
| 11. K.V.R. Murthy
L.H.H. Prasad &
T.R. Joshi | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Fluorescent Studies of
Natural Zeolites
(Heulandite & Scolecite) |
| 12. T.R. Joshi,
D.P. Bharambe &
A.K. Nehate | 23rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Luminescence Study of
Recently Synthesized
Polymer
(DOOM-AN-DOOM-VA,
DOOM-MM) |
| 13. T.R. Joshi
A.K. Nehate &
L.H.H. Prasad | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | TL Characteristics of
NaI (T) Material/ |
| 14. M. Srinivas,
M.J. Akolekar &
T.R. Joshi | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Thermoluminescence
Study of KCl : Ba |
| 15. M. Srinivas,
M.J. Akolekar &
T.R. Joshi | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Activation Energy and
Kinetics of 180° C
desimetric, Glow Peak in
TLD grade KCl : Ba(T)
Material. |
| 16. T.R. Joshi.
A.K. Nehate,
L.H.H. Prasad &
A.P. Zambare | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | NaI(T) Pellets in TL
Radiation Dosimetry
(TLD) |
| 17. R.U. Purohit,
T.R. Joshi | 3rd CECERI Research Conference on
Luminescence, January 12-14, 1990,
Karaikudi | Study of TL of Trivalent
Impurity (TB ⁻³) doped
Radium Chlorides. |

5. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERSITIES/PROFESSIONAL INSTITUTION

Sr. No.	Name of the Teacher	University/Institution and date.	Title of the Lecture
Applied Mech. Deptt.			
1.	A.V. Shroff	Goa University, Engineering College, Parmagudi, 18th, 19th Feb., 1990	Grouting Technology in Civil Engineering Practice.
2.	A.S. Chirmade	Railway Staff College, July, 1989.	CAD Systems
Mechanical Engg. Deptt.			
1.	G.D. Bhatt	TISCO 20.5.89 to 3.6.89	Industrial Design

Architecture Deptt.

1. S.V. Deshpande

Home Science, M. S. University of Barod, 4th Jan., 1990

Housing & Environment's affecting Human personality.

Metallurgy Engg. Deptt.

1. K.B. Pai

i) Banaras Hindu Univ., Varanasi 20-28th October, 1989.

1. Principles of Corrosion prevention
2. Opating & its applications
3. Corrosion Inhibitors
4. Material Selection and design aspects.
5. Cathodic and Anodic Protection.

ii) Under Joint Auspices of the Metallurgy Society of BHU, The Material Science Society, BHU & The IIM Varanasi Chapter on 25.10.1989.

Cathodic Protection by Aluminium Alloys.

Pharmacy Department

1. S.K. Banerjee

i) A.R. College of Pharmacy, Vallabh Vidyanagar, SPU, 10.5.1989.

Separation of stereo-isomers by HPLC

ii) Deptt. of Pharm. Sciences, Dr. HSG Vishwavidyalaya, Sagar (MP), 23-24.3.1990

UGC Extension lecture 'HPLC as a novel techniques for the separation of stereoisomers.'

2. S.H. Mishra

A.R. College of Pharmacy Vallabh Vidyanagar, SPU, 8 th, 20th May, 1989 (Summer School)

Immunostimulatory agents from plant Origin.

Chemical Engineering Department

1. K. Ethirajulu

i) Indian Petrochemical Corpn. Ltd., Baroda, 4.10.1989

Chemical Engineering Orientations

ii) Indian Pertochemical Corpn. Ltd., Baroda, 3.2.90

Dryers and cooling Towers.

2. S. Moniuddin

i) Aligarh Muslim Univ., 28th March, 1990

Project Engineering Refresher Course on Mass Transfer

ii) IPCL., Jan., 1990

Refresher course on Process Calculation

iii) IPCL, March, 1990

3. S.B. Pandya
Invited lecture to Instin. of Engrs and Ind. Waterworks. Assoc. Baroda, Feb. (1990)
Membrane Processes
Design Reverse
Osmosis and
Electrodialysis for Water
Desalriation.
4. R. Sengupta
i) DDIT, May 8th, 1989, ISTE Summer School, Nadiad
Recent Separation
Techniques for water
Pollution Control.
ii) IPCL, Baroda Jan. 1990
Refresher Course in
Mass Transfer.

Applied Chemistry Deptt.

1. R.A. Vora
S.P. University, Vallabh Vidyanagar,
Feb. 8 to 10, 1990
Liquid Crystalline
Polymers.

Applied Physics Deptt.

1. T.R. Joshi
Central Electrochemical Research Inst.
(CSIR Labs.) 12-14th Jan. 1990,
Karaikudi.
Fluorescence Behaviour
of some polymers.

Textile Engineering Deptt.

1. V.H. Kapadia
i) V.J.T.I., Bombay April, 10, 1989
Microprocesses
Contracts on Shutterless
rooms
ii) Railway Staff College, Baroda,
July, 19, 1989
Textiles with special
reference to Geotextiles
2. N.N. Shah
Railway Staff College, Baroda, July 20, 1989
Test Methods and
Evaluation of different
test methods
3. V.A. Bangalore
i) Railway Staff College, Baroda,
Feb. 19 & 20, 1990. Feb.
Material Technology
ii) Railway Staff College, Baroda,
February 21, 22, 1990
Material Technology

6. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOPS, SUMMER SCHOOLS ETC.

Sr. No.	Name of the Teacher	Programme, Place & Date	Capacity in which Participated
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Applied Mechanics

- | | | | |
|----|-------------|---|-------------|
| 1. | S.C. Patodi | ISTE Winter School on "CAD in Civil Engineering," IIT, Madras 11,12 Dec., 1989 | Participant |
| 2. | R.H. Shah | National Seminar on Computer applications in Water resources management, jointly organised by Sardar Sarovar Nigam Ltd. , | Participant |

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|---------------------------|--|---|
| | Indian Water Works Association & Institution of Engineers (I) held at Baroda on 23rd Sept. 1989 | |
| 3. D.L. Shah | Indian Geotechnical Conference at Visakhapattanam, 1989 Dec. | Participant and Contributor of Research papers. |
| 4. P.V. Darji | Workshop on Dimensional modulation & pre fab construction organised by Architects Association and Institute of Engineers held in Baroda, January, 1990 | Participant |
| 5. I.I. Pandya | i) Workshop on Modular Coordination for prefabrication construction organised by Institute of Engineers (India) and Indian Architects Association held in Baroda, on 21-22 Feb. 1990. | Participant |
| | ii) National Seminar on Computer Applications in Water Resources management jointly organised by Sardar Sarovar Narmada Nigam Ltd., Indian Water Works Association, and Institution of Engineers (India) held in Baroda on 23rd September, 1989. | Participant |
| Civil Engg. | | |
| 1. G.S. Parthasarathy | Technical Cooperation Programme in the field of IWM under US AID Mobile course on Farmer's participation and Irrigation organisations at Walmi-Anand Vadod Campus Jan. 15, Feb. 3rd, 1990 | Participant |
| Electrical Engg. | | |
| 1. S.S. Bhatwadekar | Short-term course on "Recent Trend in Instrumentation Transducers and Measurements" under I.S.T.E. Programme from 6th Dec. to 19th Dec. 1989 held at Madras Institute of Technology, Anna University, Madras. | Participant |
| 2. J.H. Mehta | Short-terms course on "Parallel Processing Technique and its Architectures" under Q.I.A. Programme , July 3-13 1989 at I.I.T. Kharagpur. | Participant |
| 3. S.K. Joshi & S.K. Shah | Short term course on "Advances in Digital Control", Dec. 4-15, 1989 under Q.I.P. Programme at I.I.T. Bombay. | Participants |
| 4. A.I. Trivedi | Workshop on Telematics at I.I.T. Bombay-Dec. 21 to 25 1989. | Participant |

Mechanical Engg. Deptt.

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|----|-----------------|---|-----------------|
| 1. | B.K. Mahavanshi | Workshop on Advances in heat exchanger, IIT., Madras, May, 1989. | Resource Person |
| 2. | G.S. Soni | Workshop on CAD in Mech. Engg. at IIT., Madras, May/June 1989 | Resource Person |
| | | Workshop on Maintenance of Mech. equipments used in Petrochemical Indus. IPCL., Baroda, June 1989. | Resource Person |
| 3. | Santha Mani | Workshop on Maintenance aspects of Mechanical Equipments in Petro-chemical Inds. conducted by ISTE in IPCL May, 1989. | Resource Person |

Architectures

- | | | | |
|----|---|--|--------------|
| 1. | S.V. Deshpande,
A.G. Navangula,
Malvika Patel,
Haresh Patel,
V.U. Matai,
D.K. Trivedi,
D.D. Pathak,
S.N. Gupta,
Usha Desai,
Brintha Lakshmi. | NBO & IIA & Modular Co-ordination & Prefabrication, Vadodara 22nd & 23rd Feb. 1990 | Participants |
|----|---|--|--------------|

Metallurgy

- | | | | |
|----|---|---|---------------------------------|
| 1. | N.C. Chourasia,
S.C. Khurana,
A.B. Lele,
M.N. Patel,
P.B. Joshi,
S.N. Soman. | All India Conference on Research, Industry, Manufacturers meet on Corrosion, Inspection and NDT organised by IDM Chapter on 7-8 December, 1989 at Baroda. | Members of Organising Committee |
| 2. | K.B. Pai | All India Conference on Research, Industry, Manufacturers meet on Corrosion, Inspection and NDT organised by IDM Chapter on 7-8 December, 1989 at Baroda. | Co-ordinator |
| 3. | N.S.S. Murti | 38th Annual Convention of IIF 1990 | Delegate |
| 4. | S.K. Agrawal
D.K. Basa
N.C. Chourasia
S.C. Khurana
S.R. Raval
S.N. Soman | 38th Annual Convention of IIF 1990 | Delegate |

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|-----------------------|---|---|
| 5. S.K. Agrawal | i) IIM, Kolpakkam Chapter & Metallurgy Colloquium IGCAR, 30th May, 1989. | Nitrogen Bearing Stainless Steels Classification, General Metallurgy & Welding Behaviour. |
| | ii) Welding Research Institute, Bharat Heavy Electrical Limited, Trichy, 5th June 1989 | Welding Aspects of Nitrogen Bearing Stainless Steels & Duplex Steels. |
| | iii) Workshop on Predictive Maintenance for Senior Engineers in Fertilizer Industries Sponsored by UBDP Calcutta 13th April 1989. | Latest Construction materials and their application in process Industry. |
| 6. N.M. Shah | Short Term Course on Mechanical Behaviour of Materials - Nov. Dec. 1989 ISTE Sponsored held at IIT., Madras. | Delegate |
| Chemical Engg. | | |
| 1. S.A. Puranik | i) Seminar on Energy Conservation in Foundries, Inst. of India Foundry men, Baroda Chap., 28th August, 1989, Baroda. | Chairman for Technical Session |
| | ii) CHEMCON-89 IChE, Trivandrum, 21st to 24th Dec. ,1989. | Chairman for Technical Session |
| 2. Vasudev Singh | i) Seminar on Disaster Management in Industry-Natural Causes, 3rd Feb. 90, GSFC., Baroda | Organiser |
| | ii) Advances in Reaction Engg. and Reactor Design 28Feb. - 2nd March, 1990. IPCL, Baroda. | Organiser |
| 3. M.H. Divekar | UGC Winter School on "Advances in Digital control" held at IIT., Bombay, from 4th December 1989 to 15th Dec. 1989. | Participant |
| 4. S.P. Dabke | Advances in Reaction Engg. and Reactor Design, 28th Feb. to 2nd March, 1990 IPCL., Baroda. | Participant |
| 5. R. Sengupta | i) Advances in Reaction Engg. and Reactor Design 28th Feb. to 2nd March, 1990 IPCL., Baroda. | Participant |
| | ii) ISTE Summer School on Pollution Control in Chemical Process Industries, DDIT, Nadiad, May 1-12, 1989. | Participant |

Applied Maths

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|----|--------------|---|--|
| 1. | S.R. Agrawal | Vlth Gujarat Science Congress 24-25 Feb., 1990
Bhavnagar Univ., Bhavnagar. | Invited Speaker
delivered a lecture on
"My favourite theorem
on Mathematics."

Participated as Con-
vener of Reception
Committee. |
|----|--------------|---|--|

Applied Physics

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|-----------|---|---------|
| R.T. Shah | Workshop on Microprocessor and its
applications, IIT., Bombay, May 22-26, 1989 | Student |
|-----------|---|---------|

Textile Chemistry

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|----|-------------------|---|-------------|
| 1. | S.B. Guha | 46th All India Textile Conference, 17-18 March
1990 at Bhiwani (Haryana) | Delegate |
| | | Brain Strom Session- Textile Association of
India, Baroda Unit Khambat, 22 May, 1989 | Expert |
| 2. | R.P. Jamdagni | Golden Jubilee All India Textile Conference at
Bombay, 9-10 April, 1989. | Participant |
| | | 46th All India Textile Conference, 17-18th March
1990 at Bhiwani (Haryana) | Participant |
| 3. | R.N. Jaiswal | i) Golden Jubilee All India Textile Conference
at Bombay 9-10th April, 1989 | Participant |
| | | ii) 46th All India Textile Conference 17-18th
March 1990 at Bhiwani (Haryana) | Participant |
| 4. | J.K. Bhatt | Golden Jubilee All India Textile Conference at
Bombay 9-10th April, 1989 | Participant |
| 5. | S.D. Bhattacharya | Brain Strom Session-Textile Association of
(India) Baroda Unit at Khambat, 22nd May, 1989. | Participant |
| 6. | T.K. Sadhu | Brain Strom Session-Textile Association of
(India) Baroda Unit at Khambat 22nd May, 1989. | Participant |

Computer Science

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|----|------------|--|--------------------------------|
| 1. | M.N. Patel | IIM, Calcutta, 24.4.89 to 7.6.89
(Teachers Training Programme for MCA
Module IV) | Participant
Trainee Teacher |
|----|------------|--|--------------------------------|

7. EXHIBITION, PERFORMANCE, DEMONSTRATION ETC. AT STATE, NATIONAL, OR INTERNATIONAL LEVELS :**Applied Mechanics Deptt.**

In Industrial exhibition organised by VCCI (Vadodara Chambers of Commerce Industries) at G.I.D.C., Makarpura, Baroda in January, 1990 demonstration of various Soil and Structural Material Testing equipments was done by the department.

8. NATIONAL AND INTERNATIONAL AWARDS AND DISTINCTIONS :

Sr. No.	Name of the Recipient Teacher/Non-teacher/ Student.	Description of the Award
Applied Mech. Deptt.		
1.	S.K. Damle	Prize awarded at Birla Engg. College convocation for paper titled "Strength and behaviour of reinforced concrete deep beams in shear" in Structural Engineering Year 1989.
2.	A.V. Shroff	(i) Expert member and Advisor of PT Board of UPSC, New Delhi for IES Examinations. (ii) Expert member and Advisor to phase III of Media Research and Development Centre of TTTI, Bhopal.
3.	I.I. Pandya	Outstanding young persons award in field of Science and Technology awarded by Junior Chamber of Commerce in December, 1989.
4.	D.D. Pathak	Certificate of merit awarded by H.E. the governor of Maharashtra for his services to Lok Sevak Mandal.
Architecture Department		
1.	V.U. Matai	Selection by INTACH for Technical Co-operation Training Programme in U.K. in the field of conservation of Historic Cities and Buildings.
Metallurgy Engg. Deptt.		
1.	K.B. Pai	BHUMET Golden Jubilee Fellowship for the year 1989.
Chemical Engg. Deptt.		
1.	S.P. Dabke	Best paper presented in Chemical Engineering Congress-89 Technical Session : Thermodynamics.
Textile Engg. Deptt.		
1.	V.H. Kapadia	Honorary Fellowship, F.T.A. of Textile Assoc. of India, April, 1989

9. VISITORS

Sr. No.	Name	Designation	Dated/Duration of visit
Applied Mechanics Deptt.			
1.	Dr. R.K. Bhandari	Director, CBRI, Roorkee.	1st Feb. 1990
2.	Prof. S.D. Patki	Professor of Media Research and Development Centre, TTTI, Bhopal.	18th Dec., 1989

Architecture Department

- | | | | |
|----|------------------------|--|--|
| 1. | Prof. Madhav Deobhakta | President, IIA. | 1st Sept. 1989.
(two days) |
| 2. | Mr. Burjor Aga | Past-President, I.I.A. | 1st Sept., 1989. (2 days) |
| 3. | Dr. Mira Bapat | Institute of Development students-Poona. | Talk on 'Research topics in Housing ' 2.9.1989 |

Metallurgy Engg. Deptt.

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|----|-------------------|---|---------------------|
| 1. | Prof. Sarkar | Professor, IIT, Khadragpur. | 8th December, 1989. |
| 2. | Dr. V. Gopal | Managing Director, Tribology India Limited. | |
| 3. | Mr. Roland Straub | International Sales Manager, Siemens. | 16.3.1990 |

Applied Chemistry Department

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|--|--------------------|---|-----------------------------|
| | Dr. A.I. Mashoshin | Visiting Scientist, Institute of Micro-Molecular compounds Lamingard, USSR. | 17th Jan. to 23rd Jan., '90 |
|--|--------------------|---|-----------------------------|

10. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH :**Electrical Engg. Deptt.**

1. Practical work in the subject of High Voltage Engg. at under-graduate level was started during this year.
2. Plans for setting up practical work in the Advanced Machine Lab were drawn up.
3. New practicals for Digital Communication Laboratory were set up.
4. Radio & TV. Lab :- Experiment of 'Phase Locked Loop' (Using 565 IC) (One no. chassis)
5. Higher Circuit Analysis Lab. :

"Active High-Pass Filter" (Using 741 IC) Experiment. Developed, tested, got-rigged-up and successfully introduced by Shri G.I. Amin, Lecturer in Elect. Engg. Deptt.

Architecture Department :

1. Mrs. D.K. Trivedi took introductory training in Computer aided architecture and Design in the Department of Applied Mechanics between Oct., and Dec.
2. Mr. Pathak, Lecturer in Architecture conducted and accompanied Architectural Study Tour.
 - i) At Bijapur, Hospet, Badami etc. with B.Arch. II students January, 1990.
 - ii) At Jaisalmen with B.Arch. V in Jan., 1990.

11. ANY PROGRAMME OF THE FACULTY FOR THE BENEFIT OF THE COMMUNITY :**Architecture Department :**

Students of B.Arch. IV prepared Landscape design Scheme for four important areas in Baroda - The project was guided by Dr. Sabnis from Science Faculty and Mr. V.U. Matai and Sonialal from Architecture Department. The work was publicly exhibited by Socleen, Baroda.

Textile Chemistry Department :

Lecture Meetings were held in the Department by Textile Association of India, Baroda Unit, Speakers were Dr. R.S. Gandhi, Director, Mantra, Surat, and Mr. C. Bhattacharya, Manager (Trg.), I.P.C.L., Baroda they discussed various advancements in area of Textile Chemistry and Allied Fields.

13. ANY ACTIVITY OF ACADEMIC SIGNIFICANCE ORGANIZED IN OR BY FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS :

Applied Mechanics Department :

Department has conducted demonstration of some of the Geotechnical experiments of Phase III Video Programme in collaboration with Media Research and Development Centre of TTTI, Bhopal, under the expert guidance of Prof. A.V. Shroff and Prof. Patki.

Architecture Department :

1. Faculty of Technology and Engineering, M.S.U., Acoustics of Bldg. Const. of Seminar Hall for Chemical Technology block by Mr. A.G. Navangul.
2. Institute of Chemical Engineers, Baroda Unit Office and Hall Interior Project by Mr. A.G. Navangul.

Pharmacy Department :

Vllth Gujarat State Conference of Pharmacologist held on 4th Feb. 1990 under the auspices of Pharmacy Department which included symposium on Acid Peptic disorder and scientific free communications amongst the delegates.

Training and Placement Activities - 1989 -1990

The training and placement activities were satisfactory during the year as the schedule of teaching and examinations was maintained :

(a) **Training :** The students of the prefinal and final year were recommended for practical training for the period of one to four weeks to the various industries in and around Baroda as well as industries located at Distant places. The following institutions have collaborated in the training programme of prefinal and final year students for Practical training :- P.R.L. Ahmedabad. Ingersol rund Ahmedabad, Bhilai Steel Plant, Standard Mills Bombay, NID. Ahmedabad, M.S. Pharma, Inst. of Plasma Research Ahmedabad; Kribhco - Surat Laxmi Machine Tools, Coimbatore, New Sherock Mills, Nadiad; New China Mills, Bombay : etc. during the year on holidays. The students were sent for one day visits also in the industries in Baroda.

(b) **Placement activities :** This year; the industries of recruitment potential for our graduates were informed d about the actual availability of our graduates after completion of their studies and examinations and were requested to conduct Campus Interviews during Sept. 1989 - Feb. 1990 period. This was necessary due to odd academic schedule. The response was very good and as many as 40 Industries conducted campus interviews at Faculty of Technology and Engineering.

(c) **Conclusion :** Comparatively, there is a good demand of our graduates in the industries. But, from the discussion with the personnels visiting the Faculty for campus interviews, it is felt that our graduates need to acquire more about the fundamental concepts of their engineering disciplines. Also, for smooth and effective running of placement activities the schedule of teaching and examinations must be adhered toso that campus interviews can be planned and time of availability of graduates can be confirmed . In the absence of above problems, the activities were satisfactory during this year.

LIBRARY - FACULTY OF TECHNOLOGY AND ENGINEERING**Acquisition Notes**

The Library received the following grants for the purchase of books and periodicals. All the grants have been fully utilized.

<u>Sr.No.</u>	<u>Name of the Grants</u>	<u>Amount sanctioned</u>
1.	Faculty Permanent Grants for	
	i) Books and Periodicals	Rs. 03,50,000.00
	ii) Binding	Rs. 00,20,000.00
2.	Introduction of Degree course in Pharmacy for	
	i) Books and Periodicals	Rs. 00,11,000.00
	ii) Binding	Rs. 00,01,000.00
3.	Four year Degree Course in Computer Science and Engineering for	
	i) Books and Periodicals	Rs. 00,22,000.00
	ii) Binding	Rs. 00,03,000.00
4.	Post B.Sc. Diploma Computer Application for Books and Periodicals.	Rs. 00,10,000.00
5.	Master of Computer Application (MCA) Course. Library Books, Journals, Manuals, Software Packages etc.	Rs. 00,30,000.00
6.	Master of Computer Application (MCA) Course.	
	i) Books and Periodicals	Rs. 00,10,000.00
	ii) Binding	Rs. 00,05,000.00
7.	Introduction of B. Technology Course in Computer Science and Engineering for Books	Rs. 00,08,000.00
8.	Irrigation Management & Training Institute for Books and Periodicals	Rs. 00,30,000.00
9.	U.G.C. VIIth Five Year Plan Grants for Books and Periodicals (Second Instalment)	Rs. 15,00,000.00

II. PERIODICALS :

The Library has subscribed during the year 213 periodicals at the cost of Rs, 3,43,976.50. We have added 499 Bound Periodicals during this year. Readers are making good use of the periodicals. As per our statistics 10398 readers have made the use of periodicals during this year.

III. COLLECTION OF BOOKS AND JOURNALS :

Sr. No.		Books	Bound Periodicals	Total Cost
1.	Number at the beginning of the year	69332	13033	Rs. 77,11,502.52
2.	Number added during the year	2750	400	Rs. 13,90,361.86
3.	Number withdrawn during the year	-	-	-
4.	Number remaining at the end of the year	72082	13433	Rs. 91,01,864.38

IV CIRCULATION OF BOOKS :**(i) Timings :**

The Library and Reading Room were kept open from 8.00 a.m. to 10.00 p.m. on all the days including Saturday, Sundays and Holidays. The Library remains full with the readers throughout all the working hours of the library during the year.

(ii) Registration : Different Categories :

The number of readers registered in the various categories are as follows :

i)	Post Graduate Students	618
ii)	Under Graduates Students	2232
iii)	Faculty Teachers	314
iv)	Deposit Members	23

(iii) The Statistics of the use of the Library :

(a)	Daily Average number of Readers visiting the Library	3144
(b)	Total number of books issued per day for Reading	1235
(c)	Average number of books issued per day for home reading	498
(d)	Average number of books issued per day for reading from Curricular Section	737
(e)	Average number of books issued per reader in the year	156

V ORIENTATION PROGRAMME :

In the beginning of the academic Session we conducted Orientation Programme for the new entrants giving them the instruction regarding the various practices and procedures followed by the library so that they would be able to make the best use of the library and help themselves in finding out the required materials.

VI. EXHIBITIONS :

Selected new books were displayed in the show case every week and some special exhibitions were also arranged on different topics to the occasions.

VII. REFERENCE SERVICE :

We are giving reference services, such as answering queries of readers personally, by correspondence and on phone, providing guidance to students and teachers for the better use of library resources. We have bibliographical services also as per the request of the readers. 1846 inquiries of students were solved by the help of Reference Books and 5817 students made use of Reference Collection during the year.

VIII. THESES AND DISSERTATIONS :

Total collection of the Theses and Dissertations in our library is 831. A separate catalogue is prepared for this collection. 3472 students made the use of theses and Dissertations during the year.

IX. REPROGRAPHIC UNIT :

We have Reprographic Unit which helps the readers in taking out the copies from books, periodicals, etc. and thereby we save the time of the readers.

X. OTHER ACTIVITIES :**(1) Staff Meeting :**

Every month we arrange a meeting of our Library Staff to discuss the problems of the staff and students if there are any, and thereby we try to find out the solution in the interest of our Institution.

(ii) One of our Staff Mr. C.C. Parmar has contributed the following articles and has attended Seminars

Participation in Professional Level, Seminars, Conference etc.

Capacity in paper	No. which Participated	member/non-teacher	and date
1. C.C. Parmar and A. Arora, A. Shah	2nd Pasific Conference on New Information Technology for Library and Information Professionals, educational Media Specialists and Technologists, May 29-31,1989, Singapore, Organized by Dr. C. C. Chen and Sponsored by U.S. State Deptt. U.S. NCLIS and UNESCO.	Information System Architecture : Role of ISDN with joint Author.	Paper Presented
C.C. Parmar And Nitin Nath	"	A subject index Database for an Information System a case study of Kalabhavan Library of M.S. University of Baroda.	Paper Presented

(2) C.C. Parmar

i) National Seminar on Computer Applications in Humanities and Technology Organized by Computer Society of India, Vallabh Vidyanagar, Jan. 12-13, 1990.

Information storage in CD-ROM.

ii) A Conference/Workshop on "Libraries & Computer," 8-10th March, 1989, Organised by Gujarat Vidyapith, Ahmedabad.

A talk on CD-ROM

CD-ROM Participant and invitee.

iii) Gujarat Pustakalya Mandal, Parishad, Baroda 28th Jan. 1990

Participant.

XI (iii) CONTRIBUTION OF PAPERS :

C.C. Parmar and others.

Indian Office Library : Gujarati Catalogue of Manuscripts and its Research evolution.

Pustakalaya (Gujarati) Dec. 1989.

MEMBERSHIP & PROFESSIONAL ACTIVITIES :

Mr. C.C. Parmar has also earned the Executive membership of (West-Zone) Association for Transport Development in India, IIT. (Delhi). Mr. Parmar also has been member of Institute of Information Scientists (U.K.) and I N S O N A Baroda.

1. PUBLISHED ARTICLES/PAPERS :

Name/s	Title	Name of the Journal wherein published with date of publication.
Gauri Parimoo	"Devangana Sculpture at Rani Ki Vav."	India Magazine Nov. 1989.

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCE ETC.

Name of the Teacher	Theme, Organiser's name, Place and Dates of the Conference/Seminar.	Title of the Paper
Art History & Aesthetics Deptt.		
V.G. Navangul	i) Gujarat University & College Sanskrit Teacher's Association. 15th Annual Conference 23rd to 25th Dec., 1989, Bhavnagar.	"Saptamatrkas in Aparajit Prccha."
	ii) National Seminar on Fine Arts in Sanskrit & Prakrit Language, Poona University, 29th to 31st, March '90.	"Citra an Approach."

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

Sr. No.	Name of the Teacher	Universities/Institution & Date	Title of the Lecture
Printing Deptt.			
1.	R.M. Pandya	Gujarat Lalit Kala Akademi at Ahmedabad 18.3.90. for the Gujarat Art Teachers	"Drawing & Sketching at the Gnyan Satra."
2.	R.T. Parikh	"Indian National Committee for ICOM." March 17th to 19th March, 1990 Calcutta.	i) "Social Accountability of Museums." ii) "Museum Training in India."
3.	R.P. Shah	Postal Training Centre Vadodara-6. 7th & 8th Nov. '89.	"Philately with Slides."

Art History & Aesthetics Deptt.

1.	Ratan Parimoo	i) Hindi Sahitya Parishad, Ahmedabad. 26th Aug., '89	"Rajasthani Painting & Bihari Sat Sai."
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ii) Victoria Memorial Museum, Calcutta
Nov. '89.

"Revivalism and Indigenous Influences on Modern Indian Art."

4. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOP, SUMMER SCHOOL ETC.

Sr. No.	Name of the Teacher	Programme, Place & Date	Capacity in which Participated
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Applied Arts Deptt.

1.	N.K. Sant.	National Institute of Design, at Ahmedabad July 24th to 28th '89.	Co-ordinator
2.	Gyarsilal Verma	Murals Made at Nimrana Fort, Rajasthan. Dec., 6th to Jan. 6 '90	Chief Instructor Teacher Technician Supervisor.

Sculpture Deptt.

1.	Jyotsana Bhatt	"A Workshop on Pottery for Young Children" by the Indian Association for pre-school Education," 10th, 11th, 12th, Nov. '89 in Fine Arts College.	Invited
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5. EXHIBITION, PERFORMANCES, DEMONSTRATIONS, ETC. AT STATE NATIONAL OR INTERNATIONAL LEVELS.

Sr.No.	Name of the Teacher	Programme, Place & Date
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Sculpture Deptt.

1.	R.R. Kaneria	Group Show of Photography Art Heritage Gallery, New Delhi - Feb '90.
2.	Jyotsna Bhatt.	i) "Invited participant in Creative Crafts of Indian 1989." ii) "One of the six participants in a Group Show of Ceramics, In Singapore - Oct. '89. iii) "Participated in Annual Show called "All India Studio Potter's Exhibition" Organized by All India Fine Arts & Crafts Society. (AIPACS) March - '90, Bombay.
3.	G.C. Bhatt	"Participated in National Lalit kala Academi, Exhibition - New Delhi, March - 1989-90.

Graphic Arts Deptt.

1.	Rini P. Dhumal	i) "Print Biennale - Cuba - Yugoslavia - Germany - 1990." ii) Asian European Biennale - Turkey - '90.
2.	G.H. Khatri	"UNESCO Japan '90."

6. NATIONAL & INTERNATIONAL AWARDS & DISTINCTIONS :

Sr. No.	Name of the Receiptant Teacher/NonTeacher Student.	Description of the Award.
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Graphic Art Deptt.

- | | | |
|----|-------------|---|
| 1. | G.H. Kharti | i) "International Art Circuit - India.
Merit Certificate."
ii) International Print Circuit (Merit Awarded). |
|----|-------------|---|

Painting Deptt.

- | | | |
|----|-------------|---|
| 1. | R.M. Pandya | Syllabus Committee for the Art Teacher's Course,
Gujarat State. 9.9.89 to 10.9.89 - Member |
|----|-------------|---|

7. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH.**Applied Arts Department**

- | | | |
|--|-----------|---|
| | N.K. Sant | i) Making of teaching aids for teaching and specific approach designed for feeding figure drawing at 2nd and 3rd Year Applied Arts Level."
ii) "Full day 9.30 a.m. to 4.30 p.m. Programme on Computer Graphic was organised by Applied Arts Department on 18.1.1990. |
|--|-----------|---|

Art History & Aesthetics Department.

"One day tour, Visiting and Studying Temple Architecture examples in Baroda city and Karvan.

Museology Department**8. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCES ORGANISED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS.**

Sr. No.	Name of the Teacher	Description
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Department of Sculpture

- | | | |
|----|--------------|---|
| 1. | R.R. Kaneria | Appointed as member of Selection Committee by the Government of India for the Museum of Man, Bhopal May 1989. |
|----|--------------|---|

Art History & Aesthetics Department.

- | | | |
|----|---------------|---|
| 1. | Ratan Parimoo | Conducted Departmental Seminar on 'Aspects of Temple Architecture of Sculpture in Western India,' from 9th and 10th December, 1989. |
|----|---------------|---|

Graphic Arts Department

- | | | |
|----|-------------|--|
| 1. | Rini Dhupal | Printed Portfolios of Prints during academic year 88-89, for Fine Arts Fair. |
|----|-------------|--|

This enabled the art lovers to buy art calendars at reasonable price.

Department of Museology

1. R.T. Parikh

Inauguration of the re-organised museum of the Department of Museology on 12.1.1990.

9. Library

Working Hours :-

The working hours of the Library are as under :

Monday to Saturday : 10.30 a.m. to 6.10 p.m.

The Library is closed on IInd & IV Saturday & Holiday.

ANNUAL REPORT YEAR - 1989-90

1. Acquisition notes

Description of Grants.

- i) Department of Art History & Aesthetics special Assistance Programme University Grants Commission Grant for Books, Rs. 1,00,000.00
- ii) VIIIth Plan U.G.C. Special Assistance, Library Grant Rs. 30,000.00 upto dt. 31.3.1990.
- iii) Faculty Recurring Grant Rs. 12,000.00

(i) Books

Number of Books purchased during the year with cost.

Number 248 books.

Cost of Rs. 36,193.10

(ii) Journals

Number of current journals and cost, also total number of bound journals with cost.

Total number of journals - 9.

Cost of Journals Rs. 11,144.43

2. Collection of Books & Journals

Sr.	Books	Bound Periodicals	Total Cost	No.
1.	Number at the beginning	8316	-	Rs. 4,26,554.97
2.	Number added during the year	248	-	Rs. 0,36,193.10
3.	Number withdrawn during the year		-	-
4.	Number remaining at the end of the Year	9064	-	Rs. 4,62,784.07

3. Circulation of Books

1. Timings 10.30 a.m. to 6.10 p.m.
2. Registration different categories Total 320.
3. The statistics of the use of the Library.

A.	Daily average number of readers visiting the library	105
B.	Total number of books issued per day for reading.	Reference Reading
C.	Average number of books issued for home reading from general collection	14
D.	Average number of books issued per day from curricular section	--
E.	Average number of books issued per reader on the year.	14

Faculty of Home Science

1. COURSES OF STUDIES

- i) New courses started by the Clothing & Textiles Dept. during the year 1989-90
- CT 384 F : Consumer and Fashion aspect of Clothing & Textiles Offered to General Home Science stream III year students.
 - CT 348 E : Textiles and Laundry Science 3 Credits offered to General Home Science II year students.
- ii) Additional facilities of new optional groups of subjects etc. provided in the existing courses during the year.
- Group 3 : For M.Sc. Related courses on Fashion Design
 - CT 348 C : Plastics and their applications 3 credits offered to C.T. Majors III year.
 - CT 348 (B) : Care and maintenance of sewing, knitting and other equipment offered to CT Major III year.

2. PUBLISHED ARTICLES/PAPERS

Name/s	Title	Name of the Journals wherein published with date of publication
Clothing & Textiles		
1. Balakrishnaiah B. Amita Pandya Bilkis Tawawala	Women and House-hold Production. Focus on Role of women in Traditional Textile crafts	Report of Workshop on Women and Development : A critical appraisal of Household level Research methodologies 1989
Education Extension		
2. Uma Joshi	Communication strategies for women's development	Social Welfare Vol. XXXVI No. 12 March 1990 P.B.
Foods & Nutrition		
3 i) Parul Christian Sunder Gujral Rita Abbi & Tara Gopaldas	Relation between maternal and infant nutrition status	Journal of Tropical Pediatrics : 35 : 71-76 1989
ii) Sunder Gujral, Rita Abbi, Mary Ann Anderson, Parul Christian Tara Gopaldas	Agreement between haemalobin estimation and Anaemia recognition card in assessment of anaemia in pregnant women.	European Journal of Clinical Nutrition. 43/7 : 473-475. 1989

- | | | |
|--|--|--|
| iii) Parul Christian
Rita Abbi
Sunder Gujral &
Tara Gopaldas | Socio-economic determinants of
child nutritional status in rural and
tribal India | Ecology of Food & Nutrition 17 :
1989 |
| iv) Parul Christian
Rita Abbi
Sunder Gujral
Tara Gopaldas | At risk status of pregnant women of
Panchmahals (Gujarat) and
Chandrapur (Maharashtra) | Arogya, A Journal of Health and
Sciences 15 : 85-91, 1989 |
| v) Mary Ann
Anderson
Tara Gopaldas
Rita Abbi &
Sunder Gujral | Agreement between arm circumference,
weight for age and weight for height
measures of malnutrition in children. | Indian Pediatrics 27 : 247/254. '90 |
| vi) Subadra Seshadri
& Tara Gopaldas | Impact of Iron supplementation on
Cognitive Functions in pre-school and
school aged children The Indian
experience. | Am J Clin Nutr 50, (3) 675-686
1989 |
| vii) Parul Christian
& Subadra
Seshadri | Counteracting the Inhibitory Effect of
Tea on the In-Vitro Availability of Iron
from cereal Meals. | J Sci Food Agri 49(4), 431-436
1989 |
| viii) Parul Christian
& Subadra
Seshadri | Effect of addition of bovine milk and
vegetable milk on the In-Vitro availability
of iron from cereal meals | Plant Foods for Human Nutrition
39(4) 317-324 1989 |
| ix) Kashmira Lalani
Uliyar Mani
Patel Urmila &
Mani Indirani | Baseline Data for serum Lipids in young
healthy adults alongwith their dietary intake | Biomedicine 19 : 25-27 1989 |
| x) Uliyar mani
Meenakshi Sharma
Kavita Waghmray
Uma Iyer and
Mani Indirani | Effect of colocasia leaves on serum and
tissue lipids in cholesterol fed rats | Plant Foods for Human Nutrition
33 : 245-255 1989 |
| xi) Uliyar mani and
Indirani Mani | Altered urinary excretion of hydroxy
proline in Mephrotic Syndrome Patients | J. Clin Biochem. & Nutr 6 : 1989
155-158 |
| xii) Uliyar mani and
Indirani Mani | Serum Lipids and Urinary Excretion of
hydroxyproline in Diabetics. | Recent Adv in Nutrilology 1 :
149-155 1989 |
| Home Management | | |
| 4. i) Nalini Ogale &
Ashima Sharma | Modern Household Technology and
Rural women. A study of Agriculturally
advanced district | Green Revolution and social
change. Ajanta publications
Delhi 1989 |
| ii) Nalini Ogale &
Manju Gupta | Degree of stress felt by the Home
makers due to Energy crisis | Urja, January 1990 Pg. 77-80 |

- iii) Rachel George Frame work for assessment of improved cookstoves Proceedings of an IFAE Training program on Technology for improving family economic well being 17-22 July 1989 pg 188-191 College of Home Economics University of Winnesota USA.
- iv) Kamala Srinivasan Savita Singhal An exploratory study of the constraints, Felt needs and preferences of Rural women for economic development Indian journal of training and development Vol XIX No. 5 pp. 45-52 1989

Human Development and Family studies

- 5 i) Saraswathi T.S. . K. Saweney K A developmental study of the transition from a perceptial to a conceptual mode of cognitive functioning. Cognitive development of the Indian child. MCERT: New Delhi 1989
- ii) T.S. Saraswathi J. Sundaresan A short term longitudinal study of the development of moral judgement in India Cognitive development of the India child. NCERT : New Delhi 1989
- iii) P. Mohite Early diagnosis and intervention methods of learning disabilities Pediatric Clinics of India 25(1) Jan. 1990

3. PUBLISHED BOOKS AND MONOGRAPHS

Name of the Author/s	Title of the Books	Name of the publisher and year of publication
Clothing and Textile		
1. Balakrishnaiah B	Teaching strategies in Clothing & Textiles in importing Basic skill through selective Mass Media.	Monograph of Home Science Association of India (Gujarat Branch) C/o. Faculty of Home Science 1989
Education Extension		
1. Arvinda Chandra Anupama Shah Uma Joshi	Fundamentals of teaching Home Science	Sterling publishers Pvt. Ltd. New Delhi 1989
2. Anupama Shah Uma Joshi	A monograph on knowledge and practices of evaluation of college home science teachers in Gujarat	MSU Press Baroda 1990
3. Kalpana R. Parlikar	i) What is Home Science ? (Revised edition)	Ekvira Publications 8, Aditi Park Baroda - 20, 1989
	ii) Gruhervignyanma Prachlit Shaikshnik Sadhan (Gujarati)	Ekvira Publication 8, Aditi Park Baroda - 20, 1989
	iii) Art of teaching Home Science	Ekvira Publications 8, Aditi Park Baroda - 20 1989
	iv) Women & migration	Monograph by Indo-Us WID project at MSU July 1989

v) Women in Agriculture

Monograph by Indo-U.S. WID
project at MSU July 1989

Foods and Nutrition

4. Ninaz T. Ankleshwaria Vocational Teaching in Higher Secondary School (UA-SCO sponsored project) (Role of various Ingredients in Baking) on. 11 pg. 159-175 Mudrah publication, Bhopal

4. PAPERS PRESENTED AT PROFESSIONAL LEVEL, SEMINARS, CONFERENCE ETC.

Name of the Teacher	Theme, organisation Name, Place and Date of conference/Seminar	Title of the paper
Clothing and Textiles		
1. B.N. Chaulker	National seminar/jointly organised by Home Science College, Vidyanagar and ISI Ahmedabad at Vallabh Vidyanagar, 14.4.89'	Consumer safety and consumer education.
Education & Extension		
1. Asha S Patil	International Seminar on women and development. A critical appraisal of household level Research methodologies. 5-14th July 1989 Faculty of Home Science Urban campaign	Motivation and Intervening problems in programmes for women
2. Uma Joshi	5th Bennial conference of Asian Region Home Economics Association, Singapore July 26-29 1989.	Presented a paper on "Aging Population Implications for Home Economics
Foold & Nutrition		
1. Tara Gopaldas	<p>i) Crucial elements of sucessful community Nutrition programmes. International Nutrition Planners Forum Seoul, S. Korea, Aug. 1989</p> <p>ii) Education in dietary bulk of traditional gruels with simple household technologies for improved child feeding. Seoul, Korea, Aug. 23, 1989.</p> <p>iii) New strategies to improve young child feeding practices. World Bank Seoul, Korea, Aug. 25 1989</p> <p>iv) Latest trends in Nutrition Research. Nutrition Society of India, Tirupati chapter Tirupati Oct. 27, 1989.</p>	<p>ICDS Programme : Methodological aspects and results of recent surveys in Panchmahal and Chandrapur.</p> <p>Concept of Amylase Rich-Food (ARF) and its role in infant feeding and growth</p> <p>Effective strategies in young child feeding.</p> <p>The ARF Story Technology transfer from laboratory to Home Oraland video film presentation.</p>

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| 2. P. Christian
S.M. Cujral
R. Abb, T. Gopaldas | Community Nutrition Korean Nutrition Society, Seoul, Korea, Aug. 21, 1989 | Vitamin A. Morbidity and malnutrition |
| 3. S.M. Gujral
P. Christian | Community Nutrition Korean Nutrition Society, Seoul, Korea, Aug. 21 1989 | Anteraction affects of vitamin prophlaxis and child Nutrition/morbidity status on prevalence of vitamin A deficiency in rural India. |
| 4. M. Bakshi
T. Gopaldas | i) Adolescence and child nutrition. Korean Nutrition Society, Seoul, Korea Aug. 24, 1989 | Association between xerophthalmia and morbidity in under privileged school boys (9-15 yrs.) |
| | ii) Vitamin A in morbidity and mortality of young children Asia International Vitamin A consultative group, Kathmandu, Nepal. Nov. 7-10 1989 | The impact of mega vitamin A dosing with and without anthelminethic therapy on the vitamin A and morbidity oofils of underprivileged school boys in Baroda, India. |
| 5. C. John
T. Gopaldas | Adolescence and child nutrition, Korean Nutrition Society of Seoul, Korea, Aug. 24, 1989. | Growth trials with anlyase rich food (ARF) treated wheat grue. |
| Home Management | | |
| 1. Kamala Srinivasan | Seminar organised by college of Home Science, Vallabh Vidyanagar Brueau of Indian standards on "Standardization & Consumer Projection " April 13, 1989 | What ails the Indian Consumer ? |
| 2. N. Ogale | Instruction Technology in family resource management ICAR sponsored short course A.P.A.U. Hyderabad 30th May 1989 | "Need for Restructuring FRM Curriculum " "Current research areas in family resource management." |
| 3. V. Gandotra | i) National seminar on "Research on Family with problems " held by Tata Institute of Socal Science from 17-20 April 89 Bombay | "Comparative analysis of time Management of mothers of physically and mentally retarded children." |
| | ii) Women in International Development M.S.U. Baroda. 5-15th July 1989. | Problems of Aged women |
| 4. Rachel George | i) National workshop on "Decentralized planning and implementation "ORG Nagpur, 1-2nd Sept. 1989 | "Household Energy surveys : Database and Methodologies |
| | ii) TBS Unit Baroda organised a state level workshop on "Management strategies and Policies of implemen-tation of NPIC Issues and problems in the field "TBU Unit, Baroda 12 Oct. '89. | "Strategies and polices of implementation of National Programme on Improved Chulha during 1989-90. |

	<p>iii) National Workshop on Ceramic/ pottery lines production of Improved Chulha TBS Unit Pune 10-15 Dec. 1989.</p> <p>iv) Asian workshop on Technological change and woman towards 21st century, Sistar, New Delhi 5-9 Feb.1990.</p> <p>v) Training programme of Resourcefulness in Home Energy conservation Ahmedabad 23rd Sept. 89</p> <p>vi) National Review meeting on National Programme of Improved Chulha, A NERT, TBS Unit Trivendrum 30 May 2 June 1989</p> <p>"Women and Development A critical Appraisal of Household Level Research Methodologies</p>	<p>"Performance of selected chulhas designed and developed at TBS Unit Baroda.</p>
	<p>vii) National workshop on Ceramic/ pottery lines for improved chulha, Central glass and ceramic Research Institute, Khurja 12-16 July, 1989</p> <p>viii) National programmes on Renewable energy technologies NDDB Anand Gujarat 21-22 Aug. 1989</p> <p>ix) Role of Renewable Energy force of the development of Rural women Sardar Patel Renewable Energy Research Institute V.V. Nagar Gujarat, 28-30 Aug. 1989.</p>	<p>Household Energy Management A Pressing need.</p> <p>Performance of NPIC in Gujarat State</p> <p>3 Teaching modules 1 Household Income and consumption 2 Household Energy consumption 3 Women & Housing</p>
5. R. George & Vandana Vingle	<p>National solar Energy convention held at Udaipur Theme : Renewable Energy and Environment. 1-3 Dec. 1989</p>	<p>Strategies and policies of Implementation in relation improved chulha.</p> <p>Improved chulha as appropriate Technology for "Development of women" panel member for discussions.</p> <p>Responses of rural women towards a selected model of Improved Chulha.</p>
6. Maneesha Shukla	<p>Role of Renewable Energy forces of the development of Rural Women "Sardar Patel Renewable Energy Research Institute V.V. Nagar, Gujarat, 28-30 Aug. 1989</p>	<p>Expenditure Incurred on Dowry for daughters marriage by selected castes</p>
7. Neerja Jaiswal	<p>- do -</p>	<p>Status of women a comparative study between educated employed and educated non-employed. Teaching module on housing.</p>

Human Development and Family Studies

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|---|---|--|
| 1. T.S. Saraswathi | i) Perspectives in understanding social reality. Departments of Sociology & Psychology, Bhopal University, Administrative staff college, Bhopal, March 17-19, 1990 | The girl child in India : A situational analysis |
| | ii) Women and development A critical appraisal of household level research methodologies. Women in International development Team, M. S. University, Baroda July 5-14th 1989. | "Women's roles as economic providers and as care takers of young children." |
| 2. S. Kapadia
U. Shah | Women and development A critical appraisal of household level research methodologies. Women in International development Team, M. S. University, Baroda July 5-14th 1989 | Women and fertility behaviour." |
| 3. R. Sriram | ii) Department of HDFs, Faculty of Home Science, M.S.U. Baroda. | Child care services as a social support to women. |
| | | Womens employment & Child care A brief overview of current situations. Prog. Policy needs Music and movement for the young child. Creative arts and the young child. |
| 4. I.P. Mallya | Indian Association for Pre-school education, Department of HDFs, Faculty of Home Science. M.S. University of Baroda, Nov. 10-12th 1989. | Day care and pre-nurseries OMEP India. |
| 5. S. Mehan
Nanavati
S. Gujral
T. Gopaldas | Vitamins. Korean Nutrition Society Seoul, Korea, Aug. 24, 1989 | Progressive vitamin A deficiency induced histological alterations in various organs of pre-pubertal rats. |
| 6. T. Gopaldas
S. Seshadri | Prevention and control of nutritional anaemia, Sept. 21-22 1989. National symposium on Nutritional Anemia, New Delhi. | Magnitude and implications of problems of anemia |
| 7. Subadra Seshadri | i) Nutritional Anaemia UNICEF and Ministry of Health & Family Welfare Govt. of India, New Delhi 21 & 22 Sept. 89 | Implications of nutritional anemia |
| | ii) National Workshop on Urban Nutrition IDRC-UNTCEF-SNDT University, Bombay 6th, 7th Nov. 1989. | Nutritional status of women and its relationship to their work performance. |

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| 8. Anima N. Anand
Subadra Seshadri | 21st Annual meeting of the Nut. Society of India, Medical College, Trivendrum 10-11th Nov. 1989 | A model for predicting the availability of iron from Indian diets |
| 9. Hemangini Gandhi,
Gauri Dave,
Bhami Thakore,
Anbarasi Edward,
Raj Indira,
Mallya Subadra,
Seshedri | 21st Annual meeting of the nutrition society of India Medical College, Trivendrum 10-11th Nov. 1989 | Training needs of teachers for implementing nutrition and health education through formal and non-formal school system. |
| 10. Subadra Seshadri
Meenakshi Sharma | The 14th International Congress of Nutrition. Seoul, Korea 20-25 Aug. '89 | Food iron interactions. The role of milk in iron absorption. |
| 11. Chaliha M.
Kalita &
Subadra Seshadri | - do - | Anaemia, under nutrition and productivity |
| 12. Varsha Tarvady
Subadra Seshadri | - do - | Effect of iron vs folate supplementation anthropometric and hematological status of pre-school children. |
| 13. I. Mani &
U.V. Mani | 14th International Congress of Nutrition. Seoul, Korea Aug. 1989 | Serum lipoprotein cholesterol levels in myocardial infraction patients alongwith cardiac enzymes. |
| 14. U.V. Mani,
S. Pradhan,
D.M. Thakur,
W.C. Mehta | 14th International Congress of Nutrition, Seoul, Korea Aug. 89 | Determinations of Glycemic Index of conventionally used carbohydrate foods. |
| 15. U. Iyer and
U. V. Mani | 14th International Congress of Nutrition. Seoul, Korea Aug. 1989 | Effect of curry leaves supplementation on blood sugar, serum lipids and uramic acids in NIDDM Patients. |
| 16. U.M. Iyer
I. Mani &
U.V. Mani | XXII Annual meeting of Nutr. Soc. of India, Trivandrum Nov. 89 | Biochemical changes in male and female NIDDM patients. |
| 17. U. Iyer
S. Patel,
J. Seth,
K. Patel
I. Mani &
U.V. Mani | 2nd World Congress on Cardiovascular Nutrition, Delhi Feb. 1990, | Studies on the effect of curry leaves powder supplementation on serum lipid profile in hyperlipidemies. |
| 18. I. Pant and
V. Telikapalli | XIV International Congress of Nutrition, Seoul, South Korea, 20-25 Aug. 1989 | Effect of mild vitamin A deficiency on Nutritional and histopathological status of rats. |

19. Dhruvi Shah and Neeru Mital(Loya) Annual meeting Nutrition Society of India, Trivandrum Nov. 19-11 1989 Factors involved in the success/failure of a weight reduction programme and its effect on biochemical parameters in adult overweight/obese women.
20. M.B. Patel & J.R. Pandya IVth National Seminar on Crystal growth by University of Mysore, Mysore, 14-16 Aug. 89 5.41 'Optimum condition for selective habit growth of d-AHT crystals from gel.'

5. TALKS OF ACADEMIC NATURE GIVEN AT DIFFERENT UNIVERISITIES/PROFESSIONAL INSTITUTIONS.

Name of the Teacher	University/Institution and date	Title of the Lecture
Education Extension		
1. Kalpana R. Parlikar	i) College of Home Science S.P. University April 17th 1989	Role of Home Scientist in Consumer Education
	ii) University Department of Home Science, S.P. University, 2nd October, 1989	Home Scientists for Health & Habitat
	iii) Institute of Rural Management at Anand on 22nd March, 1990	Case studies on promotion of non-conventional chuals among rural home makers.
	iv) MPI Mahila College, Kalawad Road, Rajkot, 2nd & 4th March, 90	i) Structure of Adult Education Programme in India. ii) Programmes of Adult Literacy & adult education.
	v) Saurashtra University Kalawad Road, Rajkot, visiting fellow under UGC scheme from 23rd Feb. till 8th March 1990.	Extension Techniques & Programme.
2. Uma Joshi	i) Conducted three days session on "Communication" and non-formal education" at Rajkot organised by Academic staff college under orientation prog. for fresh lecturers 3-5 May 1989.	Communication and non-formal education.
	ii) Delivered Two lectures on 'Maternal Health and child care' at Baroda dairy under "Mahila Seminar" Programme, Oct. 1989, Baroda.	Maternal Health and child care.

Foods & Nutrition

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|----|-----------------|---|---|
| 1. | U.V. Mani | Central Food Technological Research Institute, Mysore, May 1989 | Glycemic Index of Conventionally used carbohydrate Foods. |
| 2. | Shubhada Kanani | Government of Gujarat Ministry of Health & Family Welfare, Ahmedabad Sep. 8, '90. | Effect of Girl Child's Health & Nutrition on Infant Nutrition & Health. |

Home Management

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|----|---------------|---|--|
| 1. | O.N. Ogale | Summer institute in Home Science for government college teachers Govt. girl College, Bhopal 20.6.89 | i) Role and scope of Home Management
ii) Inter Design and furnishing selection. |
| 2. | V. Gandotra | Refreshers Training course for college Teachers. Faculty of Home Science, H.M. Dept. M.S. Uni. Baroda 2nd to 22nd Jan. 1990 | i) Environment Protection and Law.
ii) Ecology "Concepts and Contents." |
| 3. | Rachel George | Education Extension Deptt. Faculty of Home Science M.S.U. Baroda Refreshers Training Prog. for Univ. teachers | i) Households as a major sector of energy demand and consumption policy issues.
ii) Women and Energy Extension Programme. |

Human Development & Family Studies

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|----|-----------------|--|---|
| 1. | T.S. Saraswathi | Department of Psychology, Utkal University, Bhubaneshwar, March 26th-30th, 90 | i) Review of developmental psychology in India : State of the art.
ii) Socialisation of Indian children in urban & rural poverty settings in Gujarat.
iii) The girl child
iv) Factors influencing the development of moral judgement in Indian children. |
| 2. | V. Mistry | i) Sarjan School, IPCL, Baroda Jan. 13th, 90
ii) Killol Day care Centre, Baroda Jan. 5th 1990 | Fostering creativity in children : Role of adults.
Inservice training program for day care workers. |

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| 3. | J.P. Parikh | Department of Education Extension, M.S.U. Baroda, Jan. 30, 1990 | Instructional strategies for children with special needs. |
| 4. | I.P. Mallya | Nagar Prathmik Shikshan Samiti, Fatehgunj Balwadi, Baroda, Mar. 8th, 1990. | Orientation to play-way method in teaching pre-schoolers. |
| 5. | S. Kapadia | Department of Foods & Nutrition, M.S. University of Baroda, Baroda, Feb. 19th 1990 | Population and Food |
| 6. | N. Misra,
H. Mankodi &
D. Bhagia | Aga Khan Board, Lonavala, Dec. 27th - 31st, 1989 | Child Development |
| 7. | D. Bhagia, | Killol Day Care Centre, Baroda Sept. 2nd, 1989 | Eating problems in young children. |
| 6. | PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOP SUMMER SCHOOL ETC. | | |

Name of the Teacher	Programme, Place and Date	Capacity in which participated
Clothing & Textile		
1.	B. Balakrishnaiah International workshop on Women and Development. A critical appraisal of household level research methods organised by M.S.U. and University of Illinois urban champaign. USA 5th-14th July '89.	Presented a module and Participant.
2.	Sunanda Phadke - do -	Participant
3.	Balakrishanaiah B. Sunanda Phakde Professional programme on Appropriate Technologies for Rural Women at National Institute for Rural Development, Hyderabad, A.P. Feb. Ins- 5th '90.	Participants
4.	Sunanda Phadke Refresher Course in Home Science for College and University lecturers sponsored by U.G.C. Dt. 18th Sept. 8th Oct. 1989, Baroda	Course-coordinator cum Resource person
5.	B.N. Chaulkar - do -	Resource person
6.	Saroj Patel - do -	Resource person
7.	B. Balakrishnaiah - do -	Resource person
8.	Anna Thomas - do -	Resource person
9.	Anjali Karolia - do -	Resource person
10.	Amita Pandya - do -	Participant

Education & Extension

11.	Arvinda Chandra	Five, Refresher Courses for college/ university teachers of Home Science FHS, Baroda Sept. 1989 to March 1990.	Coordinator
12.	Anupama Shah	Refresher course for college and university teachers in Education Extension, Baroda. 24th Jan. 1990 to 13th Feb. '90.	Course coordinator
13.	Anupama Shah & Sulochana Ojha	A seminar on 'Women & Law' organised by Alluni Association of Home Science, Faculty of Home Science, at Baroda on 10th Feb., 1990	Organisers
14.	Sulochana Ojha	A symposium on Role of Women in promotion of Renewable Energy sources at SPRERI, S.P. University Vallabh Vidyanagar Aug., '89.	Participated as panel member
15.	Madhvi Pandya	- do -	Participated
16.	Kalpna Parlikar	Refresher course for college and university teachers in Extension, Baroda 14th Jan. 1990 to 13th Feb. '90	Resource person
17.	Asha Patil	"	"
18.	Asha Das	"	"
19.	Sulochana Ojha	"	"
20.	Madhvi Pandya	"	"
21.	Kalpna R. Parlikar	i) WID international place workshop at MSU Baroda from 14th July to 13th July 1989	Joint Director
		ii) A symposium on "Policy and Programme planning for Women's Programmes' under joint auspices of WID office MSUB & Ministry of Human Resource Devp.	Co-ordinator
		iii) A symposium on Role of women in promotion of Renewable energy sources at SPRERI S.P. University, Vallabh Vidyanagar, 14th July, 1989.	Chaired a session
22.	Uma Joshi	Attended a Refresher course in Home Science Education & Extension, 24th Jan. 13th Feb. 1990	Participant
23.	Manisha Pande	i) Attended a Refresher course in Home Science Education & Extension, 24th Jan. - 13th Feb. '90	Participant
		ii) WID Workshop on Household research Methodology in July 1989 at organised by WID team, Faculty of Home Science, Baroda - 2.	Participant

24.	Asha Das	U.G.C. sponsored Academic Staff orientation programme, Academic Staff College, Saurashtra University, Rajkot. 24th-26th May 1989 (for three sessions)	Resource person
25.	Asha Patil	Seminar on development of Enterprenuership in women organised by Gujarat chamber of commerce and Industries, ladies wing- Ahmedabad-3rd March '90	Participant
26.	Sulochana Ojha	-do-	Participant
Foods and Nutrition			
1.	B. Chakraborty	i) National workshop on Dietary & Nutritional Guidelines for food & agriculture planning Delhi 4-6 Oct. '89 ii) UGC Sponsored Refresher's course in Foods & Nutrition for teachers in Home Science 18th Feb. 8th March 1990, M.S.U. Baroda.	Participant Course co-ordinator and Resource person
2.	Tara Gopalidas	i) Advanced analytical skills development workshop for the USAID assisted ICDS impact evaluation. Gotacamind, 3rd June to 9 June '89. ii) Workshop on Tamilnadu integrated Nutrition Project Plenary session related issued on nutrition. Fisherman's Cove, Madras, 31st July-2nd Aug. 1989. iii) Nutrition and Primary health care Thailand, Seoul, Korea, 15 Aug.-18th Aug. 1989 iv) Plenary discussion on foods Targetting Seoul, Korea Aug. 17th 1989. v) Free communication session on Vitamins Seoul, Korea, 24th Aug. 1989	Consultant Invited Discussent Invited Discussent Chairperson
3.	Subadra Seshadri	i) International workshop on Women in Development MSU of Baroda 5th July 15th July, 1989 ii) National workshop on Women's health UNICEF-NIPCCD Delhi 20-21 Feb. 1990 iii) The IDRC-HDFC Research Net-Work-Workshop Dept. of Child Development, MSU of Baroda 15th Feb. 90	Faculty and Resource person Expert Resource person

		iv) UGC sponsored Refreshers course in Foods & Nutrition for Teachers in Home Science, Baroda 19th Feb. to 8th March, 1990	Resource Person
		v) 21st Annual Meeting of the Nutrition society of India, Medical College. Trivendrum 10th & 11th Nov., 1989.	Chairperson of session on Experimental Nutrition.
4.	Ankleshwaria Ninas	i) UNESCO Workshop on Vocation and Technical Education Regional College Bhopal, 7th & 8th Aug., '89	One of the authors for compiling a book, on vocational Education.
		ii) 26th to 30th Sep. '89	
		iii) UGC sponsored Refreshers' course in Foods & Nutrition for teachers in Home Science MSU Baroda 18th Feb. to 8th March 1990	Resource Person
5.	Patel Urmila	- do -	Resource person
6.	Nanavati K.	- do -	Resource person
7.	Mehta P.	- do -	Resource person
8.	Munshi V	- do -	Resource person
9.	Loya N.	- do -	Resource person
10.	Dhabhai D.	- do -	Resource person
11.	Kanani Shubhada	- do -	Resource person
12.	Pant Ira	- do -	Resource person
13.	Tutaja S.	- do -	Resource person
14.	Pant Ira	International Workshop on Women and Development : A critical approach of household rural research methodologies, 5th-14th July, 1989.	Faculty member

Home Management :

1.	Kamala Srinivasan	i) National Seminar on Milk and Fruit drinks in Aseptic packs organised by Gujarat State consumers protection Centre & Indian Institute of Packaging, Bombay July, 1989.	Participant
		ii) Data management workshop pertaining to Ford Foundation as a Project at NIN Hyderabad, 15-17 July, 1989.	Director of a Project funded by Ford Foundation.
		iii) Anthropological Field methods and Case studies. 18th to 21st Oct. 1989.	

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| | | iv) Workshop on Tool construction child care compenent for Ford Foundation Project on Women's Productive Roles and Child Survival April 20th-21st, 1989, Baroda | Organisor |
| | | v) USIAD sponsored Refreshars Training Programme Organised by ICECD Ahmedabad on Women Enterpreneurship Development, April, 25-29th 1989. | Participant |
| | | vi) Workshop of WID 5-15 July 1989 women and Development " A critical appraisal of Household level methodologies. | "Women and Household Production." |
| 2. | Rachel George | i) International Workshop on women and Development & Critical Suppraisal of Research Methodologies. Baroda 5-14 July, 1989 | Core Faculty Resource person, Chairperson of session. |
| | | ii) Technological change and women Towards 21st Century New Delhi. 5-9th Feb. 1990. | Resource person & speaker |
| | | iii) Orientation Workshop on Management strategies and Policies on NPIC, Baroda, 12 Oct. 1989. | Organisor |
| 3. | V. Vingle | i) International workshop on "Women in Development" MSU, Baroda 5th-15th July, 1989. | Participant |
| Human Development & Family Studies | | | |
| 1. | A. Verma | i) Women's studies progress reparing blue print. Women's studies Centre SNTD Uni. Bombay. Oct. 23-24th 1989 | Invitee |
| | | ii) National seminar on "Curriculum for pre-school and Primary Education and teacher education." Deptt. of Education, Osmania Univ. Visakhapatnam. Dec. 27th-30th, 1989. | Resource person and chaired two sessions |
| | | iii) Workshop on "Preparation of a Monograph on women, Household & Development, Bellagio Rocksfaller Centre, Italy, Jan. 14th-19th 1990. | Invitee |
| | | iv) IDBC-HDBS Research Network workshop I. Dept. of HDFs, M.S. Univ. Baroda Feb. 15th-17th, 1990. | Resource person |
| | | v) A critical appraisal of household level research methodologies" M.S. Univ. Baroda-July, 5th-14th, 1989. | Workshop Director |

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| 2. | T.S. Saraswathi | i) National Test Development Library
N.G.C.R.T., New Delhi, Sept. 27th 1989 | Invitee |
| | | ii) Workshop on "Preparation of a monograph
on women, Household and Development,"
Bellagic, Rockefeller Centre, Italy, Jan.
14th-19th, 1990. | Editorial Committee
member |
| | | iii) "First workshop of the IDBC-HDFS Research
Network" Dept. of NIFS, M.S. Univ. Baroda,
Feb. 15th-18th 1990. | Organisor |
| | | iv) "Fulbright 40th year celebrations meetings"
USSFI, New Delhi, March 12th-13th, 1990 | Invitee |
| 3. | T.S. Saraswathi
V. Mistry, P. Dave
R. Sriram &
S. Kapadia | "Integration of Women's studies in Teaching,
Research & Extension work in Home Science,
M.S. Univ. Baroda. Apr. 25th-26th, 1990 | Faculty member |
| 4. | V. Mistry &
R. Sriram | Meeting of Course Writer. Indira Gandhi
National Open University, New Delhi Sept.
11th-12th, 1989, Jan. 17th-18th, 1990 | Invitees |
| 5. | V. Mistry &
K. Parekh | "Twentififth Annual Conference of Indian
Association of pre-school Education (IAPE)
Dept. of HDFC M.S. Univ. Baroda, Nov.
10th-12th, 1989. | Co-ordinator |
| 6. | V. Mistry | i) IDBC-BDFC Research Network Workshop
I Dept. of HIFC, M.S. Univ. of Baroda
Feb. 15th-17th 1990 | Resource Person |
| | | ii) Development of a Pre-school curriculum
NCERT, New Delhi, April, 10th-12th 1990 | Resource person |
| 7. | K. Parekh | i) Role of parents and teacher in the overall
development of the child Jeevan Sadhna
School, Baroda Sept. 23rd, 1989 | Invitee |
| | | ii) "Workshop on verbal Readiness, Maths,
Science and Social Studies for Pre-
schooears, Vidya Vikasini School,
Coimbatore, Jan. 20th-22nd, 1990 | Resource person |
| | | iii) "All India Exhibition of learning
Resources Helping Children Learn,
ICCW, New Delhi, Nov. 16th-19th, 1989 | Participant |
| | | iv) "Workshop for Teacher, Trainers, Agakhan
Foundation, Ionavals, Dec. 27th-31st, 1989 | Coordinator |
| 8. | P. Dave | "Workshop on Family Systems Therapy Child
Guidance Centre, Jamia Milla Islamia, New Delhi,
Jan. 21st-25th '90. | Participant |

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| 9. | I.P. Maliya | i) "Implementing Child-to-Child program in Rural Schools of Rajasthan and Gujarat, Kasana (Dist. Sabarkantha), Sept. 27th 1989 | Invitee |
| | | ii) Second Seminar of OHEP, India on Day Care and Pre-nursery, Education Dept. of HDFC, M.S. Univ. Baroda Nov. 8th-9th 1989 | Member of organising committee |
| 10. | P. Mohite | i) Seminar on Minimal learning levels for primary school children, Dept. of Education Ministry of HRD, New Delhi, Dec. 19th-20th, 1989 | Resource person |
| | | ii) Seminar on "Education for all by 2000" Indian Institute of Education, Pune, Feb. 2nd-4th, 1990 | Participant |
| 11. | B. Kaur | i) Workshop for finalising a home based training program for mothers of Pre-school children," NIPOCD, NEW DELHI, Nov. 2nd-3rd 1989 | Participant |
| | | ii) IDRC-BIFS Research Network, I Dept. of DBFS, M.S. Univ. Baroda, Feb. 15th -17th, 1990 | Resource person |
| 12. | A. Dave | Workshop on Science, Maths and Social Studies for Young Children Vidya Vikasini School, Coimbatore, Jan. 20th-22nd, 1990. | Resource person |
| 13. | R. Sriram | i) Education for women's equality Mahila Samakhya B.E. Institute of Management, Ahmedabad, Aug. 10th, 1989 | Invitee |
| | | ii) Education for women's equality : Planning for a training program. Vikas Jyot Trust, Baroda, August, 19th-20th, 1989. | invitee |
| | | iii) Meeting of course writers Indira Gandhi National Open University, New Delhi, Sept. 11th-12th 1989, Jan. 17th-18th, 1990 | Invitee |
| 14. | R. Sriram
S. Kapadia | i) Workshop on Approaches in Social Science Research in women's Health and Reproduction Behaviour, Operations Research Group, Baroda, Dec. 11th-16th, 1989 | Participant |
| | | ii) Child care as an essential input in women's development, Centre for women's development Studies, New Delhi, March 2nd-3rd, 1990 | invitee participant |

15. S. Kapadia IDBC-BDFS Research Network Workshop I, Participant
Dept, of HDFS, Baroda, Feb. 15th-17th, 1990
16. H. Mankodi Creative expression through different activities, Resource persons
J. Parikh IAPE Conference, Deptt. of HDFS Baroda,
Nov. 11th, 1989
17. P. Dave & Symposium on "Women and Law." Home Science Participants
I.P. Mallya Education & Extension Deptt., M.S. Univ.
Baroda. Feb., 10th 1990

7. EXHIBITIONS, PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS.

The HDFS departmental resource materials in Early Childhood Education were exhibited at the All India Exhibition of Learning Resources, Organized by Learning Resource Centre, Pune and ICCE, at New Delhi on 16th-19th, November, 1989.

8. NATIONAL AND INTERNATIONAL AWARDS AND DISTINCTIONS

Name of the Recipient teacher, Non-teacher/Student.	Description of Award
Education & Extension	
1. Asha A. Das	Appointed as a member on Advisory Committee on All India Radio Rural Broadcast April 1990 - April 1992.
Foods & Nutrition	
2. Tara GopalDas	i) Invited to Organise a workshop at the 14th International Congress of Nutrition at Seoul, Korea, August, 1989 ii) Editor of the Bachelor's level application oriented course entitled "Nutrition for the Community" for the Indira Gandhi National Open University. Member of the Steering Committee on Nutrition of the Planning Commission.
5. U.V. Mani & I. Mani	Hari Om Ashram Prerit Award for the year 1989
7.	The Faculty of Home Science has been identified as SAARC Centre for higher education in Home Science. The Scholars from SAARC countries will be studying at the Faculty of Home Science for doctoral and masters programmes.

9. VISITORS :

Sr. No.	Name	Designation	Date/s Duration of the visit
Education & Extension			
1.	Dr. Colin Brock	Sr. Lecturer University of Hull, U.K.	8.2.90 to 9.2.90
2.	Shri J.C. Srivastava	Commissioner Rural Reconstruction D.S.T., New Delhi	21.2.90

3.	Ms. M. Fathima Beevi	Justice, Supreme Court, New Delhi	10.2.90
4.	Ms. Kiran Bedi	Dy. Director, Narcotics Drug Control, New Delhi.	10.2.90
5.	Shri Hasmukh Shah	Chairman, IPCL, Baroda	16.2.90
Foods & Nutrition			
6.	Dr. Shubh Kumar	Scientist	10.7.89
7.	Dr. N. Prahalad Rao	Deputy Director of National Institute of Nutrition	13.7.89
8.	Dr. Pushpamma	Sr. Programme Officer, IDRC	15.7.89
9.	Dr. L.S. Saraswathy	Free Lance Non-formal Educationist	28.7.1989
10.	Dr. Desikachar	Retd. Deputy Director CFTRI-Mysore	28.1.90 to 11..2.90
11.	Mr. Bharat Shah	Assistant Manager, Baroda	20.2.90
12.	Dr. Kantaben Patel	Professor, Dept. of Medicine, Medical College, MSU, Baroda	28th Feb., '90
13.	Dr. M.K. Singhari	Chemical Engineer, Chromatography systems and Digital Moisture Computers - Baroda,.	6th March, '90
14.	Dr. B. Kikani	Assistant Professor, Dept. of Medicine, Medical College, M.S.U. Baroda	6th March, '90
15.	Dr. Hemendra Patel		7th March, '90
16.	Dr. R. Chandan	Principal Scientist, Applied Research, General Mills, Inc. U.S.A.	21st, March, '90
17.	Dr. M.R. Patel		3rd March, '90
Human Development & Family Studies :			
18.	Dr. Romy Barooah	Assistant Director, Office of Women in International Development, University of Illinois at Urbana Champaign (USA)	July, 30th 1989.
19.	Dr. D.E.H.	Professor of Education, The Open University of Sri Lanka	Sept. 22nd-29th and Oct. 11th-13th, 1989
20.	Dr. Nauyen Vo Ky Anh	Project Director, Deputy Director, Department of Pre-school Education, MO E Hanoi	Dec. 14th-26th 1989
21.	Mrs. Tran Thi Kim	Project Secretary, ECE Specialist, Department of Pre-school Education, MOE, Hanoi.	Dec. 14th-26th 1989
22.	Mr. Le Van Anh	Project Co-ordinator, Hau Giang Province	Dec. 14th-26th 1989
23.	Mrs. Luong Thi Bach kim	Project Co-ordinator Ha Son Binh Province	Dec. 14th-26th 1989

24.	Mrs. Trinh Yen Khanh	Professional Interpreter of the project, Hanoi	Dec. 14th-26th 1989
25.	Mrs. Rani Atma	Director, Asian Family Counselling Centre, London, U.K.	Dec. 26th 1989
26.	Dr. Barbara Goddard	University of Toronto, Canada	March 21, 1990

10. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH.

1. Dr. Karolia Anjali arranged a visit to Block & Screen Printing Units in Baroda for III Year B.Sc. students during their course of Printing of Textiles.

2. Prof. T.S. Saraswathi has initiated a research network project with support from the International Development Research Centre, Canada to bring together a group of young researchers in HDFs across the country and guide them in selected research studies through consultative services, workshops and funding.

3. A four week orientation programme on Parent Education was organized for five Vietnames Educators by the Department of Human Development and Family Studies at the request of UNESCO'S Principal Regional Office for Asia and the Pacific at Bangkok, Thailand.

4. Chetan Balwadi, the Laboratory nursery school of the Department of HDFs, organized workshops in the areas of Early Childhood Care and Education and Special Education as part of the staff development program (Sponsored by the UGC-DRS Scheme of the department).

(a) "A Music and Movement," Aug. 26th & 27th 1989 the resource person was Ms. Shirin Choksy, Principal, Udayacha Primary and Pre-primary School (Godrej) Bombay.

(b) "Music experience for young children" Mar. 23rd & 24th, 1990. The resource person was Mrs. Jaya Subramanyam, Freelance Educationalist, New Delhi.

(c) "Developing communication skills in disabled children" by Dr. Pratibha Karanth of the All India Institute of Speech and Hearing, Mysore, on Sept. 7th-8th, 1989.

(d) "Parent education and involvement for learning of disabled children" Sept. 14th and 15th, 1989. The resource person was Dr. Bindu Prasad, Director, Child Guidance Clinic, Jamia Millia Islamia, New Delhi.

5. The Infant Testing Centre run by the department ran a programme under UGC-DRS for 6 participants.

11. ANY PROGRAM OF THE FACULTY OF THE BENEFIT OF THE COMMUNITY

Faculty of Home Science

Open House :

All the departments of Faculty of Home Science participated in the activities pertaining to the "Open House" organized on 23rd & 24th March, 1990, wherein the higher secondary school students were made aware of "What is Home Science ?" They were explained about the job potential after the specialization in various areas of Home Science.

Education and Extension :

Non Formal Education classes were conducted at PRAGATI Centre in department during August October, 1989, once a week for young girls and Primary children at Municipal School at Sayajigunj, Baroda by T.Y. B.Sc. (Home). The knowledge components covered in the programme were : (1)

Health (2) Population Education (3) Educational recreation through films and Video (4) Income generation activities (5) Creative activities and Moral Messages.

Adult Education :

Community program was undertaken in 4 urban communities in Baroda including PRAGATI Centre by 24 T.Y.B.Sc. B.Ed. & Ed. and students during February-March 1990 thrice a week for about 36-40 classes, Adult women belonging to middle and Lower middle class benefitted out of the programme where individual students imparted instructions in 120 lessons through Workshops, Food & other demonstrations, illustrated talks for development of awareness about women liberty, Social, Economic and Health problems and their solutions and skill development for income generation.

Community Health and Recreation Programme :

The Community Health and recreation programme was conducted in the Peons quarters, Juni Chali of M.S. University under the course community health and recreation at Master's level. Various health and recreational activities were conducted for women and children as follows :

- Health check up by Dr, Shinglot and their required follow up was done.
- Health talk and discussion on Nutrition and Family Planning
- Health exhibition was organised on various aspects of health such as Nutrition, Health Education, Hygiene and Sanitation, Environment, Family Planning, Care of body organism and treatment of diseases.
- Slide, filmstrips and video film shows on various health topics and musical exercises

Recreational Activities :

- Screening of two feature films followed by one informative cum recreative film.
- Sports' day for children and women.
- Demonstrations and Workshops on creative and utility items such as Cards, Waste materials, Candles, Agarbatti, Detergent and Wall pieces.
- Video film on income generation activities.

Rural Extension Work :

Women from Khanpur and Sevasi were involved in income generation project, and Women from other villages were helped to develop skills and ability for their own utility purpose. Similarly the adolescent boys and girls in formal and non-formal sector were helped to develop skills and abilities for different vocation oriented articles. Day care centres were involved in the selection and learning of different activities, for overall development of children.

The village ladies and youth were involved in Balwadi Construction in Ashapuri, Khanpur, Indiranagar and Mahapura. They were helped to get water connection and biogas plant in Mahapura, Bus stop in Ashapuri and Rooms renovation of Mahila Mandal in Sevasi.

Human Development and Family Studies :

The department conducted workshops, exhibition, inservice staff development programs, practical sessions and radio talks for the various groups of children, parents, creche workers and supervisors in the city and district of Baroda.

12. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANISED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS.

Refresher courses for University Lecturers in collaboration with ASC, Rajkot.

The Faculty of Home Science conducted 5 refresher courses of 21 days duration for the university lecturers from the catchment areas of Gujarat, Maharashtra and Goa fifteen percent from other state of India from 8th Oct. 1989 to 11th March, 1990. Dr. Arvinda Chandra was the Senior Course Coordinator while the five following were the course Coordinators :

Clothing & Textile - (Dr.) Sunanda Phadke

Education & Extension - (Dr.) Anupama Shah

Food & Nutrition - (Dr.) Bijoy Chakravarty

Home Management - (Dr.) Veena Gandotra

Human Development and Family Studies - Prerna Mohite

The total number of participants in the five refresher courses ranged from 15 to 27.

Education and Extension

Literacy day was celebrated on 8th September, 1989 by organising a symposium on Women's development through literacy.' On this occasion five distinguished speakers were invited who focused on aspects like Sociological, demographic and functional as well as on constraints faced while imparting literacy to women.

A symposium on 'Women and Law' on 10th February, 1990 was organised by the department in collaboration with the Home Science Education Extension Alumni Association. This symposium was a great success due to the two distinguished visitor i.e. Justice Fathima M. Beevi (the first lady judge in Supreme Court) and the first lady IPS Officer Kiran Bedi. There were other five outstanding speakers from various relevant areas of "Women & LAW."

- The department in collaboration with Home Science Education Extension Alumni Association organised several educational film shows and organised Garba competition for MSU Girls Hostels.
- The Indian National Committee of the world organization for Early childhood Education (OMEPE) (India) organised a seminar in the department of Human Development and Family Studies, M. S. University of Baroda on Nov. 8th-9th, 1989. The theme of the seminar was "Day care and Pre-nursery (0-3 years, who cares ? Who listens ? Experts, resource persons, and the participants were drawn from the department of HDFFS as well as from different parts of the country.

The department of Human Development and Family Studies, which is the Head Office for the Indian Association for Pre-school Education organized the Silver Jubilee Annual Conference of the IAPE at M. S. University, Baroda from Nov. 10th to 12th 1990. The theme of the conference was "Creative Arts and the Young Child." 600 All India delegates attended.

The 'Mahila Samakhya' a priority national program of Govt. of India, is being implemented in 3 states inclding Gujarat with the aim of "Education for Women's equality." The HDFFS department is closely associated.

An educational tour to Madras was organized for the B.Sc. Final Year students from Dec. 9th-16th, 1989 as part of the course on introduction to children with special needs. The students visited seven

institutions which provide programs and services for the disabled children and adults.

The institutions visited are as follows :

1. St. Louis Institute for Deaf and Blind. Adyar Madras - 20.
2. "Pathway" Centre for Rehabilitation and Education of Mentally Retarded, Gandhinagar, Adyar.
3. The Spastics Society of India, Rajambal street, T. Nagar.
4. The Spastics Society of Tamil Nadu, Taramani Road
5. MITHRA Annan-nagar
6. Department of Home Science, Justice Basheer Ahmed Sayed Women's College, Mount Road.
7. Tamil Nadu Association of the Blind, Rattalkuli Street, Tondiapet.

The year 1989-90 marked Forty years of the establishment of Department of Child Development, now known as the department of Human Development and Family Studies. Throughout the year, several activities were undertaken to celebrate the occasion.

Two Highlights were :

- i) Open House in Chetan Baiwadi
 - ii) A Fund Drive resulting in the collection of Rs. One Lakh
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Faculty of Social Work

I. PUBLISHED ARTICLES/PAPERS :

	Name	Title	Name of the Journals wherein Published with date of publication
1.	S.B. Saxena	An overview of Important Landmarks in Child Care practices	Social work Review 1989-90 Faculty of Social Work, M.S. University, Baroda.
2.	Anil S. Navale	Youth and Development participation of Youth in Mass functional Literacy campaign.	Social Work Review, Faculty of Social Work 1989-90
3.	Promila Maitra and M.L. Vyas	Social Work Intervention with a mentally Retarded Boy.	Social Work Review 1989-90
4.	T.G. Vaswani	Multi Dimensional problem of child Labour and A Multipronged approach to it.	"
5.	Sandhya Joshi	Growth Monitoring A House old strategy for child survival	"

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCES ETC.

	Name of the Teacher	Theme, Organisor's name place & dates of the Conference/Seminar	Title of the paper
1.	S.B. Saxena	<p>i) W.H.O. Workshop on "Psychiatric Social Work" Organized by National Institute of Mental Health and Neuro Sciences, Bangalore. Sponsored by W.H.O. from 28.6.89 to 30.6.89</p> <p>ii) National Seminar on "Law and Weaker sections" Organised by Institute of Social Sciences, Agra University, Agra, sponsored by U.G.C. from 4 to 6th Nov. 89</p> <p>iii) National seminar on "Five Decades of Social Work Education in India Retrospect and prospects" organised by Udaipur School of Social Work, Udaipur sponsored by Association of school of Social Work in India U.G.C.</p>	<p>Faculty of Social Work and status of Teaching and practice of Medical and Psychiatric Social work</p> <p>i) Constitutional provisions and upliftment of scheduled Castes with special reference to Gujarat State.</p> <p>Effective Function of School of Social Work. An Evaluation circulated & highlighted Major areas.</p>

& Ministry of Welfare from 1 to 3rd
Feb. 90.

2. Anil S. Navale Workshop on Social economic activity for children. A strategy to eliminate child labour organised by OLOS plame Institute, International Institute for training & Education of IFM-SEI at Manila, Philipines from Feb. 12-17 1990
- Situation of child Labour in India and role of Antar Bharti (Chair person)
3. Sandhya Joshi State level seminar on "Inter Disciplinary approaches to Rural Development" March 24, 1990. Seminar was sponsored by District Baroda, Rural Development, Agency, Baroda.
- "Models of Rural Development in India" A critique

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

Name of the Teacher	University/Institution and Date	Title of the Lecture
1. S.B. Saxena	i) Rachna Sewa Sangh Bodeli Vadodara on 16.6.89	Role expectations of Teacher incharge of Rural creche centres
	ii) Seminar of voluntary organizations on "Educational programmes on women's Equality" at B. K. Institute of Management, Gujarat University, sponsored by Directorate of Mahila Samakhya Society, Ahmedabad Gujarat on 10.8.1989	Women's upliftment and Faculty's role in relation to their Education.
	iii) Baroda management Association Baroda 20th and 21st February, 1990.	i) Career Planning concept and its importance. ii) Career planning in Social Work Profession.
2. Varsha Anjaria	i) Regional Conference 1989. The Indian Pharmaceutical Association & Gujarat State, Branch, Vadodara 23.9.89	Community Pharmacy : Community awareness
	ii) U.G.C. Refresher Training programme for senior University Teachers in Home Science 22.12.89	Philosophy and Definition of Family & Child Welfare in Indian context.
	iii) Indian Petrochemicals Corporation Ltd., Career Path training programme 17.1.90, 7.2.90, 1.3.90	1. Role of Industrial weakers in Family Health.

		2. Communication in day to day life.
	iv) UNSO Club : Kendriya Vidyalaya Vadodara, 9.3.90	International year of the female child
	v) Earoda management Association course on career development 27.3.90	Orientation to professional Social Work
3. Anil Navale	i) Akhil Bharatiya Vidyarthi Parishad, Baroda 10.6.89	Communication and group Development at Personality Development and Leadership training State level programme.
	ii) Soham Sabha, Baroda, 6.8.89	"Citizen's involvement in Social service."
	iii) Indian Council of Social Welfare Gujarat State Ahmedabad, Dt. 6.10.89	"Drug Addict, & Social work intervention."
	iv) Training & Orientation Centre, Gujarat Agriculture University, Anand, 5.11.89	Philosophical perspectives of NSS
	v) NSS Orientation programme Jambusar, 19.12.89 School, Jambusar.	NSS Retrospect & Prospects
	vi) Training & Orientation Centre Gujarat Agricultural University, Anand. 7.3.90	Programme planning for NSS Volunteers.

4. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOPS, SUMMER SCHOOL ETC.

Name of the Teacher	Programme, place and Date	Capacity in which participated
1. S.B. Saxena	i) International Workshop on women and Development and Critical Appraisal of household Research Methodologies on strengths and weaknesses of Macro-Data for Analysing issues relating to Household studies focussed on women at Surya Palace Hotel. 11.7.89	Invitee
	ii) Symposium on "Women Households and development An integrated perspective on Policies. Research and Implementation" organised by M.S. University & Illinois University at Surya Palace Hotel Baroda on 14.7.89	Invitee
	iii) ESCAP-TISS-INDIA-Workshop on "Curriculum Planning for National Drug Abuse Prevention Programme Development. A focus on Community	Invitee participant

Base work organised by Tata Institute of Social Sciences, Bombay from Dec. 12th to Dec. 15th 1989 sponsored by ESCAP.

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|----|---|--|
| | iv) National colloquium on "Expanding Horizons of Medical and Psychiatric Social work in India at Lokmanya Tilak Medical College & Hospital Sion, Bombay, from 17th to 20th Jan. 1990. | Chairperson of II Planary Session on "Need Based Training" |
| | v) Workshop on "Action Plan for better Baroda." Review and Future Implementation" organised by society for clean environment, Baroda, on 9.2.90 at Surya Palace Hotel, Baroda. | Invitee participant |
| | vi) Organised State level Seminar on "Inter Disciplinary Approaches to Rural Development " organised by Faculty of Social Work, M.S. University of Baroda, sponsored by District Rural Development, Agency Baroda on 23.3.90 at Faculty of Social Work, Baroda. | Director |
| | vii) Workshop on Environmental Education for Primary school Teachers of Municipal School conducted by NSS FSW and sponsored by Municipal School Baroda at NSS Faculty of Social Work, Baroda on 29.3.90 | As a Dean |
| 2. | Varsha Anjaria | |
| | i) Workshop on 'Women's Awareness & Leadership : Antyodaya Kendra Vadodara 8.3.90 | Speaker |
| | ii) State level seminar on "Inter Disciplinary approach to R.D. Faculty of Social Work, Baroda 24.3.90 | Participant |
| 3. | Anil Navale | |
| | i) Workshop on Role of Youth in Literacy mission, M.S. University of Baroda, 8.9.89. | Director |
| | ii) "Symposium on Nehru & Labour National Institute of Personnel Management, Baroda chapter 20.11.89 | Speaker |
| | iii) Programme planning workshop for M.S.W. students, Faculty of Social Work, M.S. University of Baroda. 24.12.89 | Director |
| | iv) Orientation to constructive Social services in Gujarat. Antar Bharati India & Wood craft folk united kingdom. 23.12.89 | Resource Person |

		v) Youth in Action Youth week Faculty of Social Work & N.S.S.M.S. University of Baroda 12.1.90	Resource person
		vi) Sociean Workshop on better Baroda, Society for clean Environment, Baroda 8.2.90	Participant
		vii) Asian meeting of International Falcon Movement socialist Educational International, held at manila, Philippines on Feb. 16, 90.	Participant
		viii) The Centre for strategic studies Manila Philippines on February 18, 90.	Participant
		ix) Workshop on Birds & Nature Education, Environment Education project, Youth Council, Baroda & NSS M.S.U. Baroda 24.3.90	Director
		x) State level seminar on Inter Disciplinary approach to R.D. Faculty of Social Work M.S.U. Baroda 24.3.90	Participant
		xi) Workshop on Environment Education. EEP Youth Council Baroda & NSS. Baroda. 29.3.90	Director
4.	P. Maitra	State Level Seminar on Inter Disciplinary approach to Rural Development, Faculty of Social Work, M.S. University, Baroda 24.3.90	Participant
5.	M.D. Vyas	"	"
6.	A.S. Khasgiwala	"	"
7.	T.G. Vaswani	i) "	"
		ii) Workshop on Development programme organised by M.S. University & University of Illinois, U.S.A. on 1.4.89 at Baroda.	"
8.	S.S. Joshi	i) "Leadership Training Programme Planning Camp for Executive of Friends Society 4 & 5 August, 1989	Resource person
		ii) Self Development Workshop for University Youth, 23 Feb. 1990	Resource person
9.	M.N. Parmar	i) U.G.C. Refresher course on Field Work Practicum of Tata Institute of Social Science, Bombay, 1.6.89 to 23.6.89.	Participant
		ii) Statelevel Seminar on "Inter Disciplinary Approaches to Rural Development	Participant

- "Organised by Faculty of Social Work, M.S.U. of Baroda, sponsored by District Rural Development, Agency baroda on 24.3.90 at Faculty of Social work, Baroda.
10. Leena Mehta Workshop on Women In Development organized M.S.U. & Uni. of Illinois at Hotel Surya Palace, Baroda on 1.4.89 Participant
11. Jagdish Solanki
 i) UGC Refresher course on "Field work practium at TISS Bombay from 1.6.89 to 23.6.89 Participant
 ii) UGC Refresher course on Orientation to Social Work Education at NIMHANS Bangalore from 10.7.89 to 29.7.89 Participant
 iii) State level Seminar on "Inter Disciplinary Approaches to Rural Development "Organised by Faculty of Social Work, M.S.U. of Baroda sponsored by District Rural Development, Agency Baroda on 24.3.90 at Faculty of Social Work, Baroda. Participant

5. FACULTY PUBLICATION

Name of the Journal	Name of the Editor/s	Periodicity of publication
Social Work Review	T.G. Vaswani - Editor P. Maitra Associate Editor	Yearly Journal

6. VISITORS

Name	Designation	Date
Shri V.M. Patel	Assistant Director (MEN) Health Medical Services Block No. 5, 2nd floor Old Sachivalaya, Gandhinagar	25.8.89
K.C. Mahapatra I.A.S.	Secretary, Ministry of Social Welfare, Government of Gujarat.	8.9.1989
Shri S.K. Desai	Joint General Manager Gujarat Dairy Development Corporation, Gandhinagar - 16	15.9.1989
R.G. Deolaliker	Chairman, Quality Circle Forum of India, Baroda.	12.1.90
Swami Nikhileswaranandji	Swami Vivekanand Ashram, Lucknow.	4.1.90

K.G. Desai	Head P.M.I.R. Deptt. Tata Institute of Social Sciences, Bombay	11.12.89
S.C. Jain	Chairman, Institute of Policy Studing Ahmedabad.	9.2.90

7. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH

(i) Teachers from among the alumni and Professionals from industry and institutions and other practitioner were invited as guest teachers for theory courses and practice and oriented courses of degree and P.G. Diploma level

(ii) Reinforcing Programme

Special visits to agencies in and around Baroda relating class room discussion to field situation and improving overall professional competence.

(iii) Field Work

Special programme of rural field work designed to impart rural bias to Social Work practice in addition to Urban field work. Eight villages were covered under the programme.

8. BALWADI PROJECT IN PENSIONPURA SLUM AREAS BECAME OPERATIVE THROUGH THE EFFORTS OF SAMAJI KALYAN KENDRA.

9. INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT DIPLOMA COURSES DR. M.D. VYAS ACTED AS CO-ORDINATOR FOR P.G. DIPLOMA I.R.P.M. EVENING COURSE FOR THE ACADEMIC YEAR 1989-90.

A State Level Seminar : "Inter disciplinary Approaches to Rural Development" sponsored by district Rural Development, Vadodara held at the Faculty of Social Work, M.S.U. Baroda on 24.3.1990

10. NATIONAL SERVICE SCHEME

The Scheme operates under the overall guidance of the University Advisory Committee for NSS. The Dean of the Faculty of Social Work is a member exofficio and Shri Anil Navle, Reader in Social Work is the Programme Co-ordinator. A variety of Social service Projects involving University youths are organised by a team of Young Social Work educators.

1.	Enrolment of students	1500
2.	Participation of Students in camps	
	(a) Special camping Programme	662
	(b) Youth for Mass Literacy	739
	(c) One Day Camps	530
3.	NSS Officers	22

The administration of NSS Programme continues to be managed by the honorary staff in the office.

SHRI V.T.K. INSTITUTE OF RURAL DEVELOPMENT, SAMIALA

Shri V.T.K. Institute of Rural Development the M.S. University of Baroda, is being equipped with infrastructure facilities to undertake training and field programmes of Rural Development with the focus of Social Work intervention. The Institute has undertaken a variety of Social Service Programmes in collaboration with Field Work students of Social Work and NSS volunteers, in villages around the Samiala Centre.

The VTK Campus has been utilized for the purpose of orientation to NSS Volunteers. The Institution is also promoting people's participation programme for the Leaders of the panchayats of selected villages. The Institute is exploring the possibility of undertaking action programmes in the field of Rural Development, Youth Development, Child Welfare and women welfare. The Institute is managed by the Faculty Staff for training of Rural Development Functionaries.

Child Guidance Clinic

This is run since 1973 with the joint efforts of the Indian Council of Social Welfare, Baroda Branch and the Faculty of Social Work, M.S. University Baroda. It is defined as a centre for scientific diagnosis and treatment for the problems of children. There is a multi disciplinary team of psychiatrist, clinical psychologist, speech therapist and a psychiatric Social Worker. The C.G.C. is a pioneer in organizing and setting up Child Guidance Services in Baroda.

Objectives of the Clinic

1. To provide therapeutic services to the children with emotional disturbances and behaviour disorders and help them to unfold their capacities to the maximum.
2. To help other institutions for developmental health services in the community.
3. To provide training to mentally retarded children and rehabilitate them.

Statistical Data

Total Annual Attendance :

1. Psychiatric Psychological evaluation	46
2. Speech therapy sessions	11
3. Individual sessions	248
4. Parent counselling	82
5. Home visits	36
6. School visits	30
7. Follow up contacts	9
8. Group sessions	219
Total number of new cases registered	16
No. of cases from previous year	15

Group Sessions : Its a new programme of the agency. Target group is Mentally Deficient Children falling under the age range of 7-18 years.

Aim : To train Children in all the areas of their development including academic as well as daily life activities and thereby help them to become self dependent, and better adjusted with their environment.

To help social adjustment/development in terms of interaction between themselves and with adults sharing abilities, and develop respect for other individuals thereby modifying behaviour by comparing their own behaviour with others.

The sessions provide Opportunities to these children to interact with agetets and exposure to the influence of peer group which is very important. This is realized through such activities like festival celebrations. e.g. Independence day, Holi, Raksha Bandhan etc. Birthday's celebration etc. Here they get opportunities to modify and improve their behaviour and learn about the social manners.

Alongwith these areas the other activities of rehabilitation and training were carried out both in academic and non-academic areas which helped fostering their development and helped in development of self-confidence and make them depend on themselves.

Individual Sessions :

Target Group-Children having special kinds of problems, rather those who require special attention of professionals.

Age range - 3 to 18 yrs.

Aim : To help children to develop comfortably in all the areas through solving problems which are coming in the way of their development..

The process of study, diagnosis, treatment, rehabilitation and followup is carried out with an aim of helping children to solve their existing problems & to ajustment with their surroundings. A variety of techniques approved and tested are employed in realizing this. Overall aim of the agency is to help children and parents to solve their problems and finally help children to achieve the best adjustment in all the areas of development.

Sources of Referrals :

- | | |
|---|------------------------------|
| 1. Faculty of Social Work Self and studetns | 2. Schools |
| 3. Other agencies | 4. Psychiatrists and Doctors |
| 5. Parents and relatives | 6. Ex-patients |

Team Members :

- Psychiatrist
- Speech therapist
- Social Workers
- Clinical Psychologist
- Helper

Alongwith the regular treatment programme certain special activities were carried out as mentioned below:

1. Three sessions were taken for adolescent counselling and career guidance for childrens in observation home.
2. Parents training programmes with explanation of problems and their solutions followed by activities demonstrations.

3. Parents training programme in collaboration with K.G.P. children's hospital.
4. Arranged picnic to Kamati Garden for children with their mothers and younger siblings
5. As a miscellaneous activities of Indian Council of social Welfare collaborated with the Nagar Prathmic Shikshan Samiti, Vadodara for improvement of services provided by their Child Guidance, Centres in municipal schools. In these cover :
 - (a) Attending Executive meeting with chairman and association with other activities of N.P.S.S.
 - (b) Orientation session with workers of the, Child Guidance Centres.
 - (c) Visits to these centres to get better ideas about their equipments & Centres functioning of these centres.
6. Workshop on spastic children held at K.G.P. Children's Hospital in month of December.

International Social Service :

During the year under report 5 cases in Gujarat area were referreed by the Bombay office and after enquiry the detailed report was sent for onward transmission, where the children were placed with their class relatives outside India for adoption.

Adoption :

A number of cases are referred by various adopting agencies childless couples also approach District Branch for conducting home study and helping them in adoption. After the placement of a child and legal formalities the follow up report is sent directly to the agencies when required. During the year 10 such cases were handled. Follow up reports in some cases have been sent.

Fatehgunj Samaj Kalyan Kendra :

In addition to the usual activities, the Fatehgunj Samaj Kalyan Kendra undertook the following activities and programmes -

1. Role Play : by student Social Workers emphasising the importance of educating women and girls in the community. This was done as a part of 'Social Awareness Day' during the youth week celebrations.
2. Distrubution of high protein Nutri-Nuggets to 41 families followed by a recipe demonstration of the same to the women's group to popularise high protein foods. As a part of Nutrition education recipe demonstration of spinach was also done.
3. A film-show & lecture on the vocational training programmes, conducted by Shramik Vidyapeeth. This was in response to the demand by the youth.
4. A Bhajan session in response to religious and recreational needs.
5. Continued working on the project 'Field experiment in Special Development through Family Centre Intervention in which 50 families of Harijanvas pocket of Pensionpura slum were rendered help by 8 student Social Workers.

11. Library :

Library Timing

Monday-Friday 10.30 a.m. to 6.10 p.m.

Saturday (on alternative day) 10.30 a.m. to 6.10 p.m.

12. Grant :

The library has received permanent Grant of Rs. 7,000/- for books and journals. The grant was fully utilized by the end of grant period, Rs. 3,000/- for books and 4,000/- for periodicals. The Faculty has also received a UGC Grant of Rs. 10,000/- for Purchase of books covering the period two year from April 1988 to March 1990.

	Acquisition :	Books incl.	Total Value
	Bound Periodicals		
1.	Number in the beginning of the year (incl. bound periodicals)	10871	2,06,108.86
2.	Number added during the year	45 Bound periodical + 24	0,06,414.87
3.	No. of books with-drawn during the year	13	0,00,444.50
4.	Number at the end of the year	10927	2,12,079.23
	Library use statistics :		
	Average No. of readers visiting the library	50	
	Average No. of Books issued for home reading	40	
	Average No. of teachers visiting the library	12	
	Average number of Books issued per day for home reading	25	
	Average number of Books issued per day for reference	50	

Faculty of Law

I. PUBLISHED ARTICLES/PAPERS

	Name/s	Title	Name of the Journals where- in Published with date of Publications
1.	S.N. Parikh	i) Husband's right to Prevent Abortion sought by Wife	Gujarat Law Herald Vol. IX, Issue XI and Issue XII No- vember and December, 1989
		ii) Judicial Discrimination in commutation of Death Sentence to Life Imprisonment	Gujarat Law Herald, Vol. X issue I and issue II January & February, 1990
2.	S.D. Puneekar	Position of the student Vis a Vis University	Gujarat Law Herald, February-March 1990
3.	N.J. Soni	i) The Narcotic drugs & Psychotropic substances Act, 1985 and conscious possession of Accused.	i) Gujarat Law Herald July 1989
		ii) Restitution of Conjugal rights with reference to Article 21 of the Indian Constitution	ii) Gujarat Law Herald Au- gust 1989 Gujarat Law Reporter August 1989

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

Name of the Teacher	University/Institution and Date	Title of the Lecture
J.C. Rathod	State Bank of India, Training Centre Baroda on 9.12.1989	Company Law

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

Dissertation based on research, introduced as a compulsory part of LL.M. Part I Examination proves successful in promoting legal research. Students are required to complete this project under the supervision of a Teacher from the Faculty of Law before appearing at the examination.

4. **ANY PROGRAM OF THE FACULTY FOR THE BENEFIT OF THE COMMUNITY**

J.C. Rathod, was a member of the executive committee of the consumer protection society.

Oriental Institute

I. The main work of the Institute is research and publication of important unpublished works on all subjects related to Oriental Studies in general and Indology in particular. In 1949, when the Institution was taken over by the University, it had 109 published 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 173 in the Gaekwad's Oriental Series and 644 books in other series. One book namely 'Gandhasara and Gandhavada' was published during the year.

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. University Lecture Series.
5. Shri Sayaji Sahityamala.
6. Shri Sayaji Gramvikasmala.
7. Shri Sayaji Balajnanamala.
8. Shri Shishujnanamala and
9. Matushri Jamnabai Smarak Granthamala.

2. POST-GRADUATE TEACHING

As a part of the Scheme of Co-ordination of the teaching 14 Shastras at the M.A. Level in Sanskrit some members are associated with some teaching work in the Faculty of Arts.

3. PUBLISHED ARTICLES/PAPERS

Sr. No.	Name	Title	Name of the Journals wherein published with date of publication.
1.	R.T. Vyas	i) The Concept of Non-violence in Vedic Literature	Vishveshvaranand Indological Journal Vol. XXIV, Parts I-II June-Dec. 1986 (issued in Aug. 1989)
		ii) Indian Society as Reflected in the Kavyas of Ashvaghosha and Kalidasa	Journal of the Oriental Institute, Vol. XXXVII, No. 3-4, March-June, 1988 (Issued in Feb. 1990)

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|----|--|--|
| | iii) Religion and Psychology According to C.G. Jung | Pravahadeepa, A Publication of Granthagoshthi, Vadodara, Feb., 1990 |
| | iv) Poetic Excellences in Kumara-sambhavam of Kalidasa | - do - |
| | v) The Oriental Institute : Shri Sayaji's unique contribution | Uttara, Shri Sayaji Special Number, Vol. 8, No. 4, March, 1990. |
| 2. | P.H. Joshi | |
| | i) Indriyasamvadanataka- Bhavanagarana Rajanu Prasatinu Nataka | Svadhayaya, Vol. 25 Nos. 3-4, September-April, 1988 issue (Issued in March, 1990) |
| | ii) Select Contents of the Oriental Journals | Journal of the Oriental Institute, Vol. XXXVII, Nos. 3-4, March-June, 1988 (Issued in Feb. 1990) |
| 3. | S.U. Wakankar | |
| | i) Sanskrit Descriptions of Magul Ganjipha - A Resume | Aligarh Journal of Oriental Studies, Vol. 5, Nos. 1-2, 1988 (Issued in 1989) |
| | ii) Avyayarnava of Jayabhataraka- A rare Lexicon | Meerut University Sanskrit Research Journal, Vol. 13, Pt. II, July-Dec. 1988 (Issued in 1989) |
| | iii) અભિજાત સંસ્કૃત સાહિત્ય અને ક્ષર કાવ્ય | Svadhayaya, Vol. 25 Nos. 3-4, September-April, 1988 issue (Issued in March, 90) |
| 4. | D.S. Joshi | |
| | i) Contemporary Ramayana tradition in Gujarat. | Journal of the Oriental Institute, Vol. XXXVII, Nos. 3-4, March-June, 1988 (Issued in Feb. 1990) |
| | ii) ગુજરાતમાં સમકાલીન રામાયણ પરંપરા | Svadhayaya, vol. 25, Nos. 3-4, September-April 1988 issue (Issued in March, 1990) |
| | iii) સંકલ્પ | Jalaramadipa, Year-6, No. 10, issued in April, 1989 |
| | iv) "અવધૂતી" આનંદ"માં આત્મસાક્ષાત્કારના સંકેતો | Naresvarano Nada, year-12, No. 130, issued in May, '89. |
| | v) નાગરિક ધર્મ | Jalaramadipa, Year-7, No. 3, issued in Sept., 1989 |
| | vi) કેટલીક વાર્ષિક ખાસિયતો | Pustakalaya, Year-64, Nos 5, issued in Nov. '89. |

- vii) Being there
5. U.M. Brahmachari i) ઉપેક્ષા
ii) સ્ત્રી શક્તિ
6. M.L. Wadekar i) Utsavanirnayamanjari -
A Rare and unpublished work of
Gangadhara - A scholar from
Gujarat (Pt. II)
ii) મોચિત્ર શુદ્ધિ - એક સામાજિક
સમસ્યાનો દલ મુનિનો ઉકેલ
iii) A Forgotten concept of the
Forty - eight Sacraments
iv) Reconversion Devala's Solution to a
Social Problem
- Prevahadipa-6, A publication
of Granthagoshthi, Vadodara,
Feb. 1990
- Jalaramdeep, Year-7, No. 2,
issued in Aug. 1989
- Yugadhara, issued in October,
1989.
- Journal of the Oriental
Institute, Vol. XXXVII, Nos.
3-4 March-June, 1988 (issued
in Feb. 1990)
- Svadhyaaya Vol. 25, Nos. 3-4
Sept. - April, 1988 issue
(issued in March, 1990)
- Meerut University Sanskrit
Research Journal, Vol. 23,
Part-II, July-Dec. 1988 (issued
in 1989)
- Aligarh Journal of Oriental
Studies Vol. V, Nos. 1-2,
(issued in 1989)

4. PUBLISHED BOOKS AND MONOGRAPHS

Name of the Author/s	Title of the Books	Name of the Publisher and year of publication
1. R.T. Vyas	Gandharasa and Gandhavada	Oriental Institute, M. S. University of Baroda, March, 1990
2. P.H. Joshi & S.Y. Wakankar	Chetovinodana Kavya of Daji Jyotirvid (being published serially in JOI Vol. 37 Nos. 3-4, issued in Feb. 1990)	- do -

5. PAPERS PRESENTED AT PROFESSIONAL LEVEL, SEMINARS, CONFERENCES ETC.

Name of the Teacher	Theme, Organisor's name, Place & dates of the Conference/Seminar	Title of the paper
1. R.T. Vyas	i) Gujarat Sahitya Akademi, Gandhinagar organised a Seminar on Shri Hemachandracharya, at Surat 14th, 15th July, 1989.	Shri Hemachandracharya's Pramana Mimamsa

- ii) All-India Conference of Orientalists organized by Rajasthan Prachya Vidya Pratishthana & University of Jodhpur, Jodhpur, 11th, 12th, 13th Feb. 1990
- iii) Seminar on Sources of History of Gujarat, organized by Gujarat Vidya-peeth, Ahmedabad 1st, 2nd, 3rd March 1990.
2. P.H. Joshi National Seminar on 'Preservation of Cultural Heritage : Manuscripts & their Future.' Raja Rammohan Roy Library Foundation and Asiatic Society, Calcutta 8-10 March, 1990
3. S.Y. Wakankar i) 15th Annual Conference of Gujarat State, University & College Sanskrit Teachers' Association, Bhavnagar, 23-25 Dec., 1989.
- ii) National Seminar on 'Preservation of Cultural Heritage : Manuscripts & Their Future,' Asiatic Society, Calcutta 8-10 March, 1990
4. D.S. Joshi Seminar on J. Krishnamurti's : Ideology organized under the auspices of Bodhi Foundation, (Baroda) at Kayavarohan. 13-14 May, 1989.
5. M.L. Wadekar Gujarat State Univ. & College Sanskrit Teachers' Association Conference, 15th Session, Bhavnagar 23-25 Dec. 1989

Symbolism in Rigveda, IV.58

Critical Study of Manuscripts of Gujarat in the Writing of History of Gujarat.

Oriental Institute - Its Manuscripts Collection

Karnasudha of Yeshwanta

Manuscript Collection in Gujarat

J. Krishnamurti Ane Prem

Visnupurana (I. 11. 58-65) and the Vedic Purusasukta - A comparative Study.

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

Name of the Teacher	University/Institution and date	Title of the Lecture
1. R.T. Vyas	i) Maharshi Academy of Vedic Sciences, Ahmedabad, 22nd-23rd May, 1989	Kautilya and Indian Polity (in Guj.)
	ii) Shri Siddhanath Temple Society, Vadodara 27th Jan., 1990	The Relevance of Vedic Culture to Modern Context (in Skt.)
	iii) Shri Giriraja Pushtimargiya Temple Society, Vadodara 16th Feb., 1990	Nirodha Lakshana of Shri Vallabhacharya : A Critical Appraisal.

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|----|---------------|--|--|
| 2. | S.Y. Wakankar | Idar College, Idar 24.1.90 | Virataparvan of the Mahabharata |
| 3. | D.S. Joshi | i) Granthagosthi, Vadodara 16.11.89
ii) Senior Citizens Council, Gorva, Baroda, 20.3.90
iii) Shri Pratap High School, Baroda 30.3.90 | Harikirana
Vrddhoni Samasyao
Bhavi Pedhinum Kartavya |

7. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOP, SUMMER SCHOOL ETC.

	Name of the Teacher	Programme, Place and Date	Capacity in which participated
1.	M.M. Pathak	Granthagoshti Annual Programme, Vadodara, 16.11.89	Invitee
2.	M.L. Wadekar	Gita-Lekha pathana Sparha (Competition of Reciting the Bhagvadageeta and reading papers based on it.) Sanskrit Vidvat Sabha, Vadodara, 18.12.89.	Judge

8. EXHIBITION, PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS

Major Gaekwad's Oriental Series publications of the Oriental Institute alongwith the other publications of the different faculties of the M. S. University were exhibited at the 9th World Book Fair held at Pragati Maidan, New Delhi, from 13th to 18th February, 1990.

9. JOURNALS PUBLISHED BY THE INSTITUTION

	Name of the Journal	Name of the Editor/s	Periodicity of Publications
1.	Journal of the Oriental Institute (in English)	R.T. Vyas	Quarterly (Sept., Dec. March & June)
2.	Svadyaya (in Gujarati)	R.T. Vyas	Quarterly (Dipotsavi, Vasant-Panchami, Akshyaya Trutiya and Janmashtami)

In the year under report Nos. 3-4 of Vol XXXVII of the Journal of the Oriental Institute were published and Nos. 3-4 of Volume XXV of Svadyaya were published.

10. VISITORS

Sr. No	Name	Designation	Date of the Visit.
1.	B.R. Modak	Professor & Head, Dept, of Sanskrit, Karnatak University, Dharwad.	10.7.89
2.	Peter Schreiner	Lecturer of Skt. School of Oriental and African Studies, London.	8.8.89

3.	June R. Kleban	Retd. Librarian, 2107, March, Road, Arden Wilmington, DE 19810, U.S.A.	25.9.89
4.	Satya Oal Narang	Professor of Sanskrit, Pondichery University Kalapet, Pondichery	19.10.89
5.	Chandrakant B. Pandya	Director, Gujarat State Archives, Gandhinagar	28.12.89

11. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANIZED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS

Dr. B.N. Bhatt guided Dr. Alles Gregory, A Research Scholar who came to India under fulbright Research Scholarship Scheme sponsored by the United States Educational Foundation in India and sanctioned by the Government of India, New Delhi and the M. S. University authorities. Dr. Alles worked at the Oriental Institute between 4.7.89 to 17.8.89 for his research project entitled "Religion and Rhetoric of Valmiki Ramayana."

12. MANUSCRIPTS SECTION

This Section has a collection of 27146 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsha and other Indian Languages including a few in Persian and Arabic. To these 4 MSS. were added during the year. Thus, the total number of MSS. stands 27150.

During the year 11 MSS were lent out, 80 MSS. were issued in the premise and 7 MSS. were issued to staff members.

13. PRINTED BOOKS SECTION

The Institution has a well equipped library having a collection of 43,795 books.

A. Books

This year the library has spent Rs. 30,889.28 towards the purchase of books.

This includes :

1. Recurring University grant of Rs. 8,000/- for the purchase of books and periodicals of the Institution
2. Recurring University grant of Rs. 2,000/- for the purchase of books for Vishnupurana Project.
3. U.G.C. grant of Rs. 10,000/- already utilized.
4. Rs. 15,000/- from National Museum, Delhi, already utilized.

The Noteworthy titles are :

1. Ramacharita Manasa translated in English and Hindi by R.C. Prasad.
2. Vadodara Gai Kal Ane Aaj.

Journals :

The number of Journals received here is 200. The Institute could subscribe for only one Journal-Marg.

	Books including bound periodicals	Total Value
Total Number of Volumes of the year	43,308	Rs. 5,93,557.29
Number added during the year (including purchase, gift and exchange)	487	Rs. 0, 30,889.28
Total	43,795	Rs. 6,24,406.57

14. PUBLICATIONS

(a) Gaekwad's Oriental Series :

The following work was printed :

1. Gandhasara and Gandhavada : Edited by Dr. R.T. Vyas

The Institute has utilized the University Grant of Rs. 31,823.40 for the publication of the Gaekwad's Oriental Series.

(b) The following works are under print :

1. Pada Index of Critical Edition of Valmiki Ramayana Vol. II - Ed. by Dr. R.T. Vyas
2. Tattvasangraha (Eng. Tr.) Vol. II (G.O.S. NO. 83) - Tr. by Late Dr. Ganganath Jha
3. Nayyakandali - Ed. by Prof. A.L. Thakur & Dr. Vasant Parikh
4. Fatuh-i-Alamgiri (Persian Text & Eng. Translation) - Ed. by Dr. Raghubir Sinha
5. Vishvamitrimahatmya - Ed. by Shri J.P. Thaker
6. Waqit-i-Holkar - Ed by Dr. Raghubir Sinha
7. An Alphabetical list of mss. in the Oriental Institute Vol. III - by Shri P.H. Joshi & Shri B.P. Pandya

15. Translation Branch

Under this branch books written in Gujarati for the benefit of Juveniles, adults, rural population and women, are published in five Series.

The following books were printed during the year :

1. ળેસર by Shri Padmakant R. Shah
(Shri Sayaji Sahitya
Mala Pushpa No. 366)

The following works are under print :

- | | |
|--|---|
| 1. अर्वाचीन संस्कृत साहित्यनो र्धतिहास | - tra. by Dr. A.J. Raval and Mrs. V.S. Lele |
| 2. भञ्जुल विमर्श | - Shri J.P. Thaker |
| 3. ग्राम निर्माण | - Shri Arvind H. Pandya |
| 4. पञ्जेशना भन्तिरे | - Smt. Manjulaben Oza |
| 5. संत अकनाथ | - Shri Y.P. Musale |
| 6. आहार विज्ञान (पुनःमुद्रण) | - Dr. J.D. Pathak |

16. CRITICAL EDITIONS SCHEME

1. Several Institutes and libraries in India and abroad have been contacted for the purpose of obtaining the mss of the Markandeya Purana (MKP) and the Devimahatmya. Most of them have supplied us the relevant information. The following Institutions and libraries have supplied/or agreed to supply us the original mss., xerox copies or microfilms, during the year under report.

<u>Institution/Library</u>	<u>Material supplied</u>
i) Adyar Library, Madras	Original ms. in Udiya script xerox copy of one ms. in Devanagari script.
ii) Asiatic Society of Calcutta	Microfilms of mss. (Bengali & Devanagri script)
iii) Govt. Oriental MSS. Library Madras	Microfilms of MSS. (Telugu)
iv) Oriental Research Institute, Mysore.	Xerox-copy of one ms (Devanagari)

Dr. M.L. Wadekar was deputed to Madras for procuring the microfilm/xerox copies of the Telugu mss. from the Govt. Oriental MSS. Library. He could get microfilms of the same from the said Library.

- iv) Abhijana Madhav Achval Memorial Lectures 1990, 10th March, 90. 'Comparative study of Bharat and Stanislavsky's Theory of Acting
4. H.D. Vyas Dept. of Drama, Gujarat College, Guj. University . 'Bhas as a play wright' on 16.9.89
5. H.D. Vyas Dept. of Drama, Gujarat College Gujarat Univ. 17th Feb. 1990. 'Kalidas & his plays'

4. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOPS, SUMMER SCHOOL ETC.

Name of the Teacher	Programme, Place & Date	Capacity in which participated
1. C.V. Chandrasekhar	All India Natyakala Conf. Krishnagana Sabha, Madras 16-29 Dec. 89	Convener
2. P.A. Shah	i) Creative movement for children. Dept. of Conti. Edu. M.S.U. Baroda, Summer Workshop 4-12 may 89.	Coordinator
	ii) Summer workshop for Garba, Dept of Cont. Edu. M.S. Univ. Baroda 4-12 May, 1989	"
	iii) Bharatbhavan, Bhopal Laban's movement analysis and Indian classical dance 6, 7, 8th Nov. 89.	"
	iv) Dept. of Chiid Development, M. S. Uni. Baroda, Pre-school teachers, National Conf. 11, 12th Nov. 89	"
	v) Darpana, Ahmedabad, Adavus of Bharatnatyam and effortshape theory 2-3 Dec. 89	"
3. J.K. Bhatt	West Zone Drama Festival organized by Sangeet Natak Academi New Delhi at Jaipur from 29 Jan. 90 to 2nd Feb. 90	Observer from Gujarat State
4. M.C. Shah	i) Drama Training Workshop organised by Guj. Univ. at Dhaba Dungli from 9.6.89 to 15.6.89.	Chief Co-ordinator
	ii) Drama Training workshop organised by Guj. Univ. at Bhavnagar from 3.2.90 to 9.2.90	"
	iii) Drama Camp organised by Akshara at Baroda on 9.9.89 to 19.9.89	Lecture-cum-Demonstration on Body movement

5. H.D. Vyas
- iv) 'National Drama Festival organised by Sangeet Natak Acedemi, New Delhi at Delhi from 26-31st March, 90. Observer from Guj. State
 - i) 'Yuva Chetna Shibir' organised by NSS in collaboration with Kamalashankar Pandya Foundation on 23.9.89 at Baroda. Lecture-cum-Demonstration Acting - Why ? and How ?
 - ii) Ruslang Theatre Workshop on 16.9.89 at Baroda. Presented improvised play 'Janmotsav' based on Suresh Joshi's short story.
 - iii) Population Education Camp organised by State Govt. at Ahmedabad from 11.7.89 to 13.7.89. Scriptwriter wrote two script based on Environment as a part of population education.
 - iv) 'Film Appreciation Summer course' organised by FTII Pune and Film Archieves of India at Pune from 10.5.89 to 10.6.89. Delegate
 - v) 'Drama Camp' organised by Akshara at Baroda on 9.9.89 and 10.9.89. Co-convenor also delivered Lecture-cum demon. on 'Vachik Abhinav & Improvisation.

5. VISITORS

Name	Designation	Date/s/Duration of the visit
1. Somalata Shubhashinghe	Theatre Personality, Shrilanka	2 days, Oct. 89
2. Leela Sampson	Bharatnatyam performer plus Teacher	One day, Jan. 90
3. Bharati Shivaji	Mohiniattam performer plus Teacher	One day, Feb. 90
4. Mary Alice Brenna	Ful-bright scholar Prof. - Head, Dept. of Dance, Univ. of Wisconsin U.S.A.	23rd Sept 89 10th Jan. 90

6. ANY PROGRAMME OF THE FACULTY OF THE BENEFIT OF THE COMMUNITY.

Performance by Dept. students for the Prime-Minister, Rajiv Gandhi's visit to Baroda, choreography by Prof. Chandrasekhar.

7. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANIZED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS.

A full-length Bharatnatyam programme choreographed, Directed by Dr. P.A. Shah comprising two creative and one traditional items (Ankur, Radhan Shamanu & Shri Chandramauliswara Kuravanji) for the Dept. of Dance students - First performance on 24th Feb. 90.

8. EXHIBITIONS, PERFORMANCES, DEMONSTRATIONS ETC. AT STATE, NATIONAL OR INTERNATIONAL LEVELS.

1. J.K. Bhatt
 - i) Visited U.S.A. & Canada from 29.3.90 to 10.6.90 for Lecture-cum-demonstration alongwith Prof. M.D. Bhatt.
 - ii) Participated in the Play 'Taritran' Produced and telecast by ISRO TV Ahmedabad as an actor and production in charge.
 2. M.C. Shah
 - i) Directed play 'Grahan' for Triveni, Baroda which was invited for 'National Drama Festival organised by Rangbahar Ahmedabad to Commemorate 100th birth anniversary of Jaishankar Sundri from 22-31st Jan. 90
 - ii) Play 'Grahan ' was also presented at West Zone Drama Festival organised by Sangeet Natak Akademi, New Delhi.
 - iii) Participated as a Chief Actor in the play 'Shatkhand' produced and telecast by ISRO TV Ahmedabad. Also participated as an actor in the play 'Paritran' produced and telecast by ISRO TV Ahmedabad.
 3. H.D. Vyas
 - i) Participated as a Chief actor in the play 'Grahan' presented at 'National Drama Festival Ahmedabad and West Zone Drama Festival Jaipur.
 - ii) Participated as an actor in the plays 'Shatkhand' and 'Paritran' produced and telecast by ISRO TV Ahmedabad.
 4. R.B. Mehta
 - i) Participated in the play 'Shatkhand' produced and telecast by ISRO TV Ahmedabad as an actor.
 - ii) Participated in the play 'Paritran' as a production assistant produced and telecast by ISRO TV Ahmedabad.
 5. P.A. Shah

Performance of folk dance and music in the International folk festivals with the group of faculty students at :

 - i) International Gathering, Klagenfurt, Carluthia - Austria, 9 - 17 Aug. 89.
 - ii) International Sarvar Festival Sarva, Hungary, 17 - 26th Aug. 89
 - iii) 11th International Folk Art festival, Krems/Danub, Austria, 21 - 4th Sept. 89.
 - iv) International Folk Festival, Machelen, Kent, Belgium 4-6th Sept. 89.
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Faculty of Management Studies

1. PUBLISHED ARTICLES/PAPERS

Name(s)	Title	Name of the Journals
G.C. Maheshwari	i) "Some Reflections on the Report of High powered Committee on stock Exchange Reform."	Journal of Accounting and Finance, Fall, 1989
	ii) "Added Value Accounting : The Societal Context."	Journal of Accounting and Finance, Fall, 1989 - Spring, 1989

2. PUBLISHED BOOKS AND MONOGRAPHS

Name of the Author	Title of the Book	Name of the Publishers and year of Publication.
G.C. Maheshwari (Co-Editors)	Studies in Accounting Theory	Wiley Eastern 1990

3. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH (APRIL 1989 TO MARCH, 1990).

The project studies undertaken by 19 students relate to the development, growth and innovation in the management at industry and Business.

The students have undertaken their project study in the following organisations :

1. Welcome Group, Vadodara
2. Hindustan Brown Boveri, Baroda
3. Hindustan Ciba Geigy Ltd., Bombay
4. Indian Petrochemicals Corpn. Ltd., Baroda
5. Gujarat Alkalies and Chemicals Ltd., Baroda
6. Oil and Natural Gas Commission, Baroda
7. FAG India Ltd., Baroda
8. Transpek Industry Ltd., Kalali, Baroda

9. Shree Dinesh Mills, Ltd., Baroda
 10. Gujarat State Financial Corporation, Ahmedabad
 11. Gujarat Energy Development Agency, Baroda
 12. Gujarat State Fertilizer Corporation, Baroda
 13. Dharamji Morarji Chemicals Company, Bombay.
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Baroda Sanskrit Mahavidyalaya

1. PUBLISHED ARTICLES/PAPERS

Name(s)	Title	Name of the Journals
1. C.B. Joshi	'GITA and INDIAN CULTURE"	SINDHU GITA GYAN PRACHAR BARODA, 1989
2. R.J. Joshi	"Kalsaup EkCharachaspad Yoga" " શ્રી અને જાતકનો સ્વભાવ "	i) Janmabhoomi Panchang Sam 2046 ii) Bhoovaneswari Panchang Sam 2046

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCES ETC.

Name of the Teacher	Theme, Organisor's name, place and dates of the Conference/Seminar	Title of the paper
1. N.C. Shukla	i) Gujarat Sanskrit Teachers Association Bhavnagar Dt. 24 & 25 Dec. 1989 ii) Bhandrakar Oriental Research Institute At-Vishakhapatnam Nov. 1989. iii) Gujarat Ganit Mandal Seminar 23, 24 & 25 Oct., 89.	Swapna Shastra Ek-Adhyayan submitted only Jain Jyotisham
2. H.M. Pandey	i) Lokbhasa Prachar Samiti and Sanskrit Siksha Sansad Calcutta, dt. 7.8.89 to 19.8.89, New Delhi ii) Seminar of Sanskrit Scholar- Organised by Vice-President of India - Dr. Sankar Dayal Sharma Dt. 19.8.89, New Delhi iii) Vidut Board Vidyalaya Baroda Dt. 1.7.89 to 10.7.89	"How to make Sanskrit as a International Language." Seminar of Sanskrit Scholars Ten days Sanskrit Speaking course.

Shri M.K. Amin Arts & Science College & College of Commerce, Padra

1. PUBLISHED ARTICLES/PAPERS :

Name(s)	Title	Name of the Journals wherein published with date of publications.
1. B.N. Kahar	i) Swatantrata Gujarati Kahanime Vyang-Vinod	'Sangam Delhi Dec., 89
	ii) Swatantra Hindi Kahanime Vyang-Swarup	'Mangal Deep' Bombay, Dec., 1989
	iii) Swatantrapurva Hindi Aur Gujarati Kahanimen Hasya- Vyang-Kipravruti	'Vyangya Vividha' (Risar), March '90
2. K.K. Bhati	"Truth & Fiction : A Note on Hans Vaihinger's Philosophy of "As ff."	Published in a book entitled: <i>Introduction to German Critical Theories</i> Ed : Srinivasan D. & Kar, P.C. (German Language Society, Baroda, 1989).
3. P.M. Patel	i) Communal Violence and politics.	Moiu Shakir, ed., Religious State and Politics in India.
	ii) An Evaluative Analysis of Observations and Recommendations of Sarkaria Commission."	New Delhi, Ajanta, 1989, pp. 91-102, (in Gujarati), Vishwamanav No. 338. 1989, pp. 57-64.
	iii) The Rural Poor and Rural Politics	In B.C. Shah & J.N. Pandya, eds., Revival of Panchavati Raj : Trends and Problems, S.P. Univ. Vallabh Vidyanagar, 1989, pp. 29-40.
	iv) The Politics of Electoral Violence and Malpractices."	(in Gujarati) Parodh, Vol. (1) December 1989 p.p. 5-7

- v) Assessing the Impact and Constraints of Tribal Development in Gujarat. In J.P. Singh & N.N. Vyas eds., *Tribal Development : Past Efforts and New Challenges* Udaipur : TRI, 1989, pp. 109-127.
- vi) Power to the People : Expectations and Precautions (In Gujarati) in Pravin Sheth, ed., *Panchayati Raj and Development*, Ahmedabad : Government of Gujarat, 1989, PP. 48-50.
- vii) Assessing the Communal Relations in India. (In Gujarati) *Arthat*, Vol. 9(1) January-March, 1990 p.p. 51-56
4. Preeti A. Panjwani Petrography of Harappan Pottery from Lothal By Preeti A. Panjwani In Journal "Man and Environment" Volume XIII, 1989.

2. PAPERS PRESENTED AT PROFESSIONAL LEVEL SEMINARS, CONFERENCE ETC.

Name of the Teacher	Theme, Organisor's Name, Place & Dates of the Conference/Seminar	Title of the Paper
1. B.N. Kahar	Gujarati Hindi Pradhyapak Parishad, Bhavanagar University (organi. by) 11 & 12 November-1989	1. Ravindranath Tyagi Ki Vyang-Kala 2. Swatanryotar Hindi katha Sahitya me Vyang
2. Karni Pal Bhati	Paper presented at : i) The U.G.C. International Seminar on Canadian Studies (Theme of Seminar : National Identity and French Canadian Literature), M. S. U. Baroda, Jan., 5-7, 1990 ii) The Staff Seminar English Dept. February 22nd 1990 (M.S.U.)	The Self in Troubled Times : Jacques Poulin's <i>The Jimmy Trilogy</i> . English Studies and the Indian subject : Recognizing what Lives in us & what we Live in.

- iii) UGC National Seminar on "Women Creative writers in Indian English Literature", Dept. of English, Uni. of Jodhpur, Jodhpur, March 22-24, 1990.
3. Tara Thyagarajan Indian History Congress 50th Session held at Gorakhpur University, Gorakhpur (UP) 1989-90
4. P.M. Patel
- i) Pandit Jawaharlal Nehru Birth Centenary Celebrations committee, Gandhinagar, 22-23 July, 1989
- ii) Past-behaviouralism as Credo of Relevance Exploring the Myth and Reality. 46th All-India Conference of Political Science, organised by Indian Political Science Association at Ferguson College, Poona University, PUNE, 3-5 November, 1989.
- iii) Gujarat Political Science Conference organised at Department of Political Science, Sardar Patel University, Vallabh Vidyanagar, 18-19 November, 1989
- iv) Perspective and prospects organised by the Department of Political Science, M.S. University of Baroda, Baroda - 11-13 January, 1990.
- v) National Seminar on : *Peace and Development Gandhian Thought and perspective* organised by Peace Research and Gandhian Philosophy Departments, Gujarat Vidyapith, Ahmedabad, 29-31, March 1990.
- Memories of a Captive safety : Imtiaz Dhaker's *Purdah and other poems* .
- Succession Dispute between Manajirao & Govindrao Gaekwad
- Power to the People : Expectations and Precautions, Seminar on : *Nehru, Panchavati Raj and Development*.
- National Conference on : *Past behavioural Movember Political Science*.
- Method and objective in Political Analysis : Some Critical Reflections Regional Conference on : *Recent Trends in Political Theory*.
- Conceptual and Operational Difficulties in power to the people. Thesis. A UGC-Sponsored Seminar on : Panchayati Raj :
- Balance-sheet of Development in Independent India : An Evaluation (Gujarat)

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

Name of the Teacher	University/Institution and Date	Title of the Lecture
P.M. Patel	i) Centre for Social Studies, South Gujarat University, SURAT, on 19th July, 1989	Tribal Development in Panchmahal Region of Gujarat.
	ii) Baroda Jeevan Jyoti Christian Missionary Forum, Baroda on 25th November, 1989	Culture and Tribal Development.
	iii) The Budh Sabha M.K. Amin Arts and Science College and College of Commerce, PADRA, on 28.6.1989	Growing Threats to Parliamentary Democracy in India.
	iv) Faculty of Social Work M. S. University of Baroda, Baroda on 12th Feb., 1990	Forms of Government and Parliamentary Democracy in India.

4. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOPS, SUMMER SCHOOL ETC.

Name of the Teacher	Programme, Place & Date	Capacity in which participated
1. Nita J. Bhagat	i) Gujarati no Adhyapak Sangh Vallabh Vidyanagar Jan. 90.	Participant
	ii) Gujarati Sahitya Parishad Rajkot Dec. 1989	Participant
	iii) Department of Gujarati, Faculty of Arts, M. S. University of Baroda, Feb. 1990	Participant
	iv) Department of German Language, Faculty of Arts M.S. University Aug. 1989	Participant
2. V.M. Purandare	i) National Seminar M. S. University of Baroda Dec. 1989	Participant
	ii) Annual Conference of Gujarat Psychological Association, Rajkot 1989-90.	Participant
3. D. C. Vakaskar	i) Gujarat Ganit Mandal M. S. University of Baroda 25-27 October, 89	Member of Organising Committee.
	ii) Gujarat Science Congress, Bhavnagar 24 February, 90	Participant

- iii) Inservice Training, M. S. University of Baroda 1 Month Jan. 1990 Participant
4. P.M. Patel Inservice course in Methodology of Teaching for Fresh and Newly appointed lecturers, Centre for Advanced Study in Education, M. S. University of Baroda, Baroda, 8-18 Jan., 90. Newly appointed Lecturer.

5. LIBRARY

1. Acquisition Notes

The College has a separate Library. It received the following grants for the purchase of books & periodicals and binding charges from the University.

(a) Faculty Grants for :	Amount Sanctioned
i) Books & Periodicals	Rs. 09,000/-
ii) Binding Charges	Rs. 01,000/-
iii) U.G.C. Grant (VIth Plan Period)	Rs. 10,000/-

(b) Books

- Books purchased during the year No. 151
- Total Cost Rs. 6,577.20

(c) Journals

The Library has subscribed 39 Periodicals at the cost of Rs. 4,992.20 during the year under review. There is no addition of bound periodicals. The teachers and students are making good use of the periodicals.

- (d) Equipments : Nil
- (e) Other Reading Materials : Nil

2. Collection of Books and Journals :

Sr. No.	Particulars	Books	Total Cost Rs.
1.	Number at the beginning of the year	11,882	2,11,209.69
2.	Number added during the year	151	6,577.20
3.	Number remaining at the end of the year	12,033	2,17,786.89

3. Circulation of Books :

1. Timings

The Reading Room of the Library has sitting accommodation for 60 students. During the College Tests and Annual Examinations, extra seats are provided in Reading Room premises. The working hours of library are from 8.00 a.m. to 3.40 p.m. on all working days. The Library Services were extended from 8.00 a.m. to 7.00 p.m. on all working days including SUNDAYS & HOLIDAYS before one month of commencement of College Tests and Annual Examination.

2. Registration Different Categories

- (a) Total number of students' registration during the year No. 1460
- (b) Total number of Ex-students registered during the year No. 32
- (c) Members of staff (Teaching & Non-teaching) on registration list No. 84

3. The Statistics of the use of the Library

- (a) Daily average numbers of Readers visiting the library No. 85
- (b) Total number of books issued per day for reading No. 16
- (c) Average number of books issued for home-reading from General Collection No. 30
- (d) Average Number of books issued per day from curricular Section No. 05
- (e) Average number of books issued per reader in the year No. 06.

4. Orientation Programme

The students (Newly admitted) are oriented for use of Library alongwith the Orientation Programme of College Office. The students were also given the instructions regarding the practices and procedures followed by the Library so that they would be able to make the best use of reading materials and help themselves in finding out the required reading materials.

5. Reference Service

Readers' Queries are attended during the working hours of Library for the better use of Library resources. Reference materials are being issued in Reading Room to the readers.

1. PARTICIPATION IN PROFESSIONAL PROGRAMME, WORKSHOP, SUMMER SCHOOL ETC.

Name of the Teacher	University/Institution and Date	Capacity in which participated
1. B.N. Shah	Seminar on use of Computer for the design of Irrigation Channel at Vasvik Hall Race Course, Baroda in Jan. 1990	Member

2. ANY ACTIVITY IN THE FACULTY INVOLVING INNOVATION IN TEACHING/RESEARCH.

Mechanical Engineering Department

New experiments in Mechanical Measurement Lab. were set up.

Electrical Engineering Department

Various Projects works are done by Students.

3. ANY ACTIVITY OF ACADEMIC/SOCIAL SIGNIFICANCE ORGANISED IN OR BY THE FACULTY NOT INCLUDED UNDER PREVIOUS ITEMS.

Laboratory equipment for the Civil Engineering Department costing about Rs. 10 lakhs are being received and new laboratories will be set up next year.

4. LIBRARY

Acquisition Notes :

The Library received the following grants for the purchase of books and periodicals. All the grants have been fully utilised.

Sr.No.	Name of the Grants	Amount sanctioned
I.	Faculty Permanent Grants for	
(1)	Books and Periodicals	Rs. 60,000.00
(2)	Binding	Rs. 06,000.00
(3)	Higher Secondary Course grant of Rs. 76,000/- Govt. of Gujarat allotted to Library for books.	Rs. 05,000.00
(4)	Govt. of India, Ministry of Education Human Resources & Development, New Delhi 110 001. Rs. 2,00,000.00 (2 Lakhs)	

For books	Rs. 1,56,000.00
for Dead Stock	Rs. 40,000.00
Handling charge to University Office	Rs. 4,000.00

II. Periodicals :

The library has subscribed for 51 periodicals at the cost of Rs. 18,413.00 / H.S.C. Rs. 6,183.00 during the year. 76 bound periodicals have been added. Readers are making good use of the periodicals. The expenditure for binding the books & periodicals was Rs. 4,524.00

III. Equipments :

Purchased from the Central Govt. grant of Rs. 2 Lakhs

(1) Tornado Vacuum Cleaner	Rs. 2,950.00
Total Cost	<u>Rs. 40,123.00</u>

Collection of Books and Journals :

Sr. No.	Books	Bound Periodicals	Total Cost
1. Number at the beginning of the year	28,232	Including	Rs. 8,12,487.48
2. Number added during the year (2404)			
A. Faculty Grants	413		Rs. 39,567.84
B. Higher Secondary Grant	44		Rs. 3,351.60
C. Govt. of India, Ministry of Education Human Resources & Development New Delhi.	1,843		Rs. 1,55,590.46
D. Gift Books	28		Rs. 1,389.30
Journals :			
Bound Periodicals (Rs. 15,910.70)	76		
3. Number withdrawn during the year	NIL		
	<u>30,636</u>		<u>Rs. 10,12,386.68</u>

Circulation of Books :**1. Timings :**

The Library & Reading Room were kept open from 8.00 a.m. to 8.00 p.m. except Sundays & Holidays and during the working hours were 11.00 a.m. to 5.40 p.m. The library services were extended from 8.00 p.m. to 10.00 p.m. including Sundays & Holidays during the time of Examination.

2. Registration Different Categories :

Total Number of registration (Regular & H.S.C. Students)	1828
Deposit Numbers	<u>8</u>
Total	<u>1836</u>

3. The statistics of the use of the Library :

a. Daily average number of readers visiting the library	550
b. Total number of books issued per day for reading including curricular	43
c. Average number of books issued for home reading from general collection	105
d. Average number of books issued per reader in the year	300

IV. *Orientation Programme :*

In the beginning of the academic session, we conducted an orientation programme for the new entrants giving them the instruction regarding the various practices and procedure followed by the library so that they would be able to make the best use of the library and help themselves in finding out the required material.

V. *Reference Services :*

We are giving reference service such as answering Queries of readers personally, by correspondence providing guidance to students and teachers for the better use of library resources. Reference materials are issued in Reading Room to the readers.

VI *Other Activities :*

Every month we arrange a meeting of our library staff to discuss the problems of the staff and students. We try to find out the solution in the interest of our institution.

A. Centre for Continuing/Adult Education and Community Services

INTRODUCTION :

The Centre for Continuing/Adult Education and Community Services is conducting several courses for the benefit of the Community. During the year 1989-90 the following part-time long term certificate as well as Diploma Courses were successfully conducted.

Sr. No.	Name of the Course	Enrolment		
		Male	Female	Total
1.	Industrial Purchasing and Materials Management	118	8	126
2.	Marketing Management	111	25	136
3.	Hotel Management	28	29	57
4.	Industrial Management	21	07	28
5.	Interior Decoration	47	62	109
6.	Diploma in Computer Management	33	04	37
7.	Diploma in Hospital Management	08	09	17
	Total	366	144	510

Same way, twenty-five short term certificate courses were conducted during summer vacation in the year 1989-90 :

The Centre was able to design 30 new courses in Engineering with the help of the Faculty of Technology and Engineering.

Two short term courses on "Personal Computers and its applications " were organised specially for the executives of O.N.G.C.

Adult Education Programme Under Area Development Approach :

A. REGULAR ADULT EDUCATION CLASSES

Adult Education Classes are being run by this Centre since its beginning in 1976. This year 18 adult literacy classes have completed the course and made 488 persons literate.

Classification of the Learners.

	<u>Male</u>	<u>Female</u>	<u>Total</u>
S.C.	95	119	214
S.T.	-	-	-
Others	152	122	274
Total	247	241	488

B. ACTIVITIES UNDER ADULT EDUCATION PROGRAMME

1. Inauguration of Literacy Campaign at Village Darapura on 1st May, 1989.

The Village Darapura near Padra was selected for inaugural function of Literacy Campaign.

2. An orientation Programme for Principals of different schools of Padra taluka was organised at M.K. Amin Arts College, Padra on 11th July, 1989. 10 Principals, Mamlatdar and District Adult Education Officer were the participants.

The following activities were conducted in relation to Adult Literacy Program.

1. National youth Week was celebrated at Padra College from 13th July, 89. During this week different programmes like lectures series related to Adult Education, Posters, Video shows, etc. were organised by the students of College.
2. A lecture regarding Adult Education was delivered on 'Women's Day,' 17th July, 89 in Mahila Vikas Jyot.
3. Village Virjai - Chorbuj District Bharuch was declared as hundred percent literate.
4. A meeting with the staff members of M.K. Amin Arts College, Padra was organised on 25th July, 89. In the meeting it was decided to involve more students in MPFL programme.
5. An Orientation Programme for the students of M. K. Amin Arts College, Padra was organised on 27th July, 89. The students were given details regarding MPFL Programme and how to participate in it.
6. A bicycle rally was organised in different areas of Padra by the students of College, instructors and teaching staff to spread and promote adult education programme on 8th August, 89.
7. International Literacy Day - 8th September 89 was celebrated in different villages. Programmes like bhajan, garba, folk dance, lectures; prabhat feri, etc. were organised to mark the day for the benefit of local village people. Documentary films related to population Education and Adult Education were screened in different villages in collaboration with field publicity office.
8. A Master Trainers Training Programme was organised at S.N.D.T. Women's College, Baroda. All teachers were trained for MPFL project on 20th September 89. 250 literacy kits were distributed and 250 girl students were trained for MPFL work.

9. A Garba Competition was held at Village at Bhayli and Raypura on 10th October. Winners were given prizes for their best performance by Sarpanch of the village.
10. Students of Social Work Faculty had organised a one-day training at Village Kalali on 20th January, 1990, for MPFL project. 30 illiterates were made literate.
11. An Exhibition of literature relating to Adult Education and posters were displayed during Fun-Fair organised by the University in the Pavilion on 3rd and 4th February, 90.
12. A Workshop for Mahila Leadership was organised at Mahila Antyodaya Kendra on 8th March 90. In this Workshop Women Workers were trained for MPFL project.
13. A symposium on literacy and progress was inaugurated by Minister for Health Mr. Nalin Bhatt at Premanand Sahitya Sabha Hall, Baroda on 31st March, 90. The Programme was organised by District Adult Education Office, Baroda and Field Publicity Office.
14. A Rail Rally was organised by Gujarat Vidyapith, Ahmedabad. The volunteers were warmly welcomed at Baroda Railway Station on 10th October, 89 by instructors and other staff members of this Centre.

C. IN-SERVICE TRAINING PROGRAMMES :

Every month one-day in-service training programme for Adult Education instructors was organised for improving the performance of the instructor. The following topics were covered.

- Need and Importance of Adult literacy.
- Preparation of low-cost teaching learning materials.
- "Jawahar Rojgar Yojana" importance and need.
- How to attract Adult learners for learning.
- Motivational aspects of Adult literacy.
- Literature available for Adult Education and its effective use.
- Role of instructions and supervisors for promoting Adult Education Programme.
- Video film 'Angootha Chhap.'
- Government projects for rural development.
- Procedure for getting loans from banks.

D. MASS PROGRAMME FOR FUNCTIONAL LITERACY :

MPFL Project was started in different area of Padra Taluka from 5th May, 1989. The inauguration ceremony was held at Village Darapura. As a result of this during the year 1177 illiterates were covered in different area of Baroda city and Villages of Padra Taluka.

The following table shows the details regarding volunteers and learners included under literacy

Campaign.

Sr. No.	Area	No. of Volunteers			No. of Adult iliterate		
		M	F.	T.	M.	F.	T.
1.	Baroda City Area	88	139	227	198	282	480
2.	Villages of Padra Taluka	35	242	277	148	299	447
3.	SNDT Womens College	-	250	250	-	250	250
		123	631	754	346	831	1177

E. POPULATION EDUCATION ACTIVITIES :

Population Education Club is actively working for the benefit of Community people. The following activities were conducted during the year 1989-90.

- Training for Adult Education instructors for the effective implementation of population education.
- Film-shows regarding population growth and family planning.
- Video Shows.
- Lecture series in health and hygiene.
- Exhibition regarding population education.
- Training for the instructors on population education and family planning.

F. JAN SHIKSHAN NILAYAM

Two JSN have been started in Padra Taluka under area Development approach. One JSN is situated in village Raypura and another is situated in Padra proper. Both the JSNs have carried out the following activities for the benefit of people.

1. *Sports Club :*

Under sports club sports like volley ball, Rubber rings, Satudi, KhoKho, Kabaddi were played by the neo literates.

2. *Library :*

A circulating library was started for the benefit of village people. Story books, religious books, books on health & hygiene etc. are being regularly given to the neo-literates. A daily newspaper is also given for the benefit of people.

3. *Information Centre :*

JSN also acts as information centre. Experts from different fields are invited to furnish information regarding job for the community people.

4. *Agriculture Information Centre :*

Gram Sevak, Krushi Nirikshak and Talati are regularly coming to the JSN to furnish latest information related to framing and fertilizers.

5. *Radio-T.V. Club :*

Radio listening and T.V. watching clubs have been started. Community people are regularly watching programmes like village development and population education on T.V. of Panchayata.

6. *Recreation Club :*

Under this club different programmes like Garba, Ras, Bhajan are being organised on different occasions. Around 2000 neo-literates were benefitted through JSN.

1. **Seminars/Conferences/Workshop Attended - Malti Chakravorty :**

- I. A paper entitled "Alternative/Co-operative Education for Women in Third World Countries with reference to India "was presented at a Seminar on Partnership in Special Education held at Vancouver, Canada from 17th to 20th May, 1989.
- II. "Experts Training for National Literacy Mission "held at Gujarat Vidyapith, Ahmedabad on 4.5.1989 was attended.
- III. Meeting of Directors of Continuing/Adult Education was attended at Gujarat Vidyapith, Ahmedabad on 19.9.1989.
- IV. A Seminar on "Management Information System in Urban Planning "Organised by Indian Institute of Public Administration, New Delhi on 11th to 20th December, 1989 was attended.
- V. A symposium on "Nehru and Development "organised by South Gujarat University, Surat on 7th & 8th January, 1990 was attended.
- VI A Workshop on "Formulating Bilingual Syllabus (Hindi & English) for NEF" was attended at University Grants Commission, New Delhi from 6th to 9th March, 1990.
- VII A meeting of Fulbright Association at New Delhi was attended on 13th March, 1990.
- VIII A seminar on "International Literacy Year" was attended at Gujarat Vidyapith, Ahmedabad on 31.3.1990.

2. **Janak Inamdar :**

- I An Orientation Programme on Population Education was attended at Gujarat Vidyapith, Ahmedabad on 24th & 25th January, 1990
- II A Training Programme on Population Education held at Gujarat Vidyapith, Ahmedabad was attended on 21st & 22nd March, 1990.

3. **Harshada Pathak :**

- I A Convention on Adult Education was attended at bangalore from 28th June, 89 to 6th July, 1989.
- II National Seminar on Adult Education held at South Gujarat University, Surat on 22nd April, 1989.

Visitors of the Centre. :

Dr. Jayme S. Burchett from U.S.A. had visited this Centre from 10th October, 1989 for three weeks.

Indira Gandhi National Open University Study Centre, BARODA.

The I.G.N.O.U: Study Centre of the M.S. University, Baroda had the following activities in the year 1989-90.

	<u>Name of the course</u>	<u>No. of students</u>
1.	ADIM	37
2.	DIM	91
3.	CFN	60
4.	SDM	33
5.	BPP	192
6.	BDP (1st year)	84
7.	BDP (2nd year)	78
	Total	<u>545</u>

- (1) The Regional Director visited the Study Centre twice.
- (2) Another 500 students have taken admission this year in various courses of I.G.N.O.U.

B. All India and Central Services Training Centre

The All India and Civil Services Training Centre conducted the following courses during the academic year 1989-90.

1. **Civil Services Preliminary Examinations :**

The training for the I.C.S. Preliminary Examination had commenced in September, 1989. The batch continued till first week of June, 1990. Out of 40 candidates trained 35 appeared and 19 qualified to appear for the I.C.S. Main Examination.

2. **Civil Services Main Examination :**

The I.C.S. Main Examination was held in November, December 1989. The Centre trained 19 candidates for Examination from September to November. Nine of the trained candidates passed the examination.

3. **U.P.S.C. Interview Training :**

Those candidates who had cleared the I.C.S. Main Examination were trained for the Personality Test and Interview held at Delhi in April-May, 1990. Out of Nine candidates trained, Six qualified and were selected for the Indian Administrative Services. They have gone for the training.

4. **'Catch Them Young' Programme for Undergraduates :** Programme for training undergraduates for the Civil Services was organised from January, 1990 to February, 1990. Ninety undergraduates were trained under this programme.

C. Computer Centre

During the year of report i.e. 1989-90 the Computer Centre replaced its old Computer (IBM S-360/44) by a modern Fourth generation supermini computer system (NELCO FORCE 20-D), a dual CPU machine having sixteen terminals.

The present system has 16 MB of main memory and 600 MB of disc storage. The system has a cartridge tape drive for backup and a high density (dual) floppy drive also. But of the sixteen terminals, five are PC/XTs with 640 KB memory, which can be also used as stand alone personal computers. One of the PC/XTs has a high resolution VGA colour monitor for graphics. The system has one 600 LPM line printer and one 132 Col. Dot Matrix printer.

The Computer runs under widely used multiuser, tasking UNIX V.3. Operating system, which is most ideal for University environment. The Centre also has latest data base management system; and all programming language compilers like C, FORTRAN, COBOL, PASCAL etc.

The Centre is in the process of transferring all the existing software of old Computer on the new computer system. Once this is done the system will be made available for general use.

The Centre will be shortly starting Short term vocational courses in Computer Programming and Applications, for persons at all levels. The Centre also intends to set up working groups of the micro computer users of the University; and introductory courses for the staff of the University.

D. Health Centre

During the year 1989-90, the staff members at the M.S. University Health Centre were Chief Medical Officer, Medical Officer, Part-time Doctors-Two, Compounder-One, Nurses-Three, Laboratory cum X'Ray Technician - Clerk - and Humal cum Sweeper-Three. The teaching and Non-teaching employees alongwith their certified dependents were given the benefit of free medical services at the Government - Dispensaries, S.S.G. Hospital, Jamnabai Hospital, I.D. Hospital, Baroda and S.P. Sanatorium, Gotri, Baroda.

The Health Centre provided general, preventive and Curative Health care to the University Students, Staff Members and their dependents. All the Mess servants in the University Halls of Residence were given a course of Wormicidal drugs, water samples of the all Mens and Women's hostel and the other institutions were checked and were provided necessary services for purified water.

The Health Centre provided, over and above free medical treatment and facility of routine Laboratory Investigation, the Blood chemistry for assessment of Diabetes cholesterol, Renal function and Liver function studies were carried out. The fluroscopic investigation facility was also available. The facility of the Mass Miniature Radiology (MMR) is also made available with the co-operation to the District T.B. Centre of S.S.G. Hospital, Baroda 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 also given for domestic use.

During the year the provision of costly drugs like high antibiotics, anti-tubercular drug, anti-hypertensive and anti-diabetics was also made in the list of drugs dispensed at the Health Centre, 28 Teaching and 35 Non-teaching employees were given Pre-employment-check up during the year 1989-90.

The compulsory medical check up including Mass Miniature Radiography and Urine examination was also conducted for all the new entrant students of the M. S. University by a Board of 13 Experts in different specialities at the S.S.G. Hospital, Baroda. Total number of students were 7931, out of them 5627 students were examined and 1086 students were advised the follow up treatment for different ailments they were suffering from.

The total attendance of the patients at the University Health Centre during the year was 40,896 (the number of employees and their dependents was 32,600 and the number of students was 8,296. The average per day was 144.) The total number of different Laboratory Investigation was 2979 which included 535 Bio-chemical investigations. The total expenditure for medicine was 1,73,414.24 during the year. The amount of Re-imbusement of medicine expenses to the University employees including the special allowance to patient suffering from Tuberculosis and Cancer etc., was 93,053.99 during the year.

The facilities of observation bed for short stay with I.V. Infusions were made available during the year and efforts are made to start counselling services by experts for Psychosomatic and Social problems including drug-abuse in near future when extension of the Health Centre is completed. During the year 652 Vaccinations were given for Measles. Triple, Polio and Cholera.

E. General Education Centre

During the year 1989-90 the Auditorium Canteen, Retreat, Class-rooms and Exhibition Cellars were profitably utilized for conducting cultural, academic and social activities by different strata of the society including the University Departments, Faculties and students. This year also attempts have been made to develop and equip the Auditorium with much needed facilities and equipments so that the same can cater to the needs for different types of activities.

To improve the performance, Auditorium has been further equipped with 2 Speakers and 4 Microphones.

During the year, as many as 140 programmes were held. Amongst them, there were 95 Cultural Programmes, 24 meetings and 5 Seminars, Conference, Symposium etc. The ancillary facilities of Exhibition Cellar, Retreat and Canteen were taken advantage of by 24 different parties, who had booked the Auditorium. The prestigious national and international Conferences, Seminars, Symposia and Cultural Programmes were held in the Auditorium. The organizers also profitably used the Exhibition Cellar to display literature, books and products alongwith technical details.

The General Education Centre also made arrangements for conducting open recruitment examinations by various corporate agencies such as Railways, Life Insurance Corporation, Banks and Petrofils. Facilities were also provided for conducting part-time evening classes to the Department of Continuing/Adult Education.

In the current year the centre earned the total revenue of Rs. 78,275.60 under different heads which include rent, electric consumption charges, perishable and replacement charges. Rs. 42,407.60 collected towards rent and electric consumption charges has been deposited, with the University.

Remaining amount of Rs. 35, 868/- has been utilized for repairing, replacement and maintenance of the existing equipments and furniture. With the availability of more fund it will be possible to renovate and equip it with more facilities and equipments so that it can be more profitably used for various kinds of Cultural, Social and Academic activities of the University in particular and for all sections of the Society in general.

Shrimati Hansa Mehta Library

1. ORDER SECTION :

Acquisition Notes :

(a) Books :

The University Grants Commission has given the grant of Rs. 10,00,000/- for books and periodicals and Rs. 1,25,000/- for textbooks and equipment (1989-90). The UGC has also given the grant to various Departments of our University for Development and Research Schemes and Special Assistance Programme.

There has been some noteworthy additions during the year viz. The Arco : The Right College 1988; Statistical Abstract : India : 1986; 1987 and 1989, Britannica Book of the year 1989; The Dalailama : A Biography of C. B. Levenson 1989, Encyclopaedia History of the World's Progress Vol. I to III ed. by C. E. Beale, 1989; Nehru : A Panoramic profile ed. by R.S. Darda 1989; Daughter of the East by B. Bhutto 1989; The World Almanac and book of facts 1989; Sayajirao of Baroda : The Prince and the Man by F.P. Gaekwad 1989; The Cambridge Encyclopaedia of India; Pakistan, Bangladesh, Srilanka, Nepal, Bhutan and the Maldives by F. Robinson 1989; The Guinness Book of Records 1990, ed. by D. Mcfarlan 1989; The McGraw Hill style Manual; A Concise guide for writers and editors ed. by M. Longyear 1989; The Innovator's Handbook by V. Nolan 1989, Books in print 1989-90 Vol. I to VIII 1989; India Who's who 1989-90, 1989, The Blackwell dictionary of Historian ed. by J. Cannon and others 1988, Planning Atlas of Gujarat Resources profiles 1987; Subject Guide to Books in print 1989-90 vol. I to IV, 1989. The Cambridge Encyclopaedia of language by D. Crystal 1989; Encyclopaedia of sports and Games by R.G. Goel. 1986; Guinness Book A Sports facts by S. Greenberg, 1984; India 1986-89 A Reference Annual 1989; McGrawHill Concise Encyclopaedia of Science and Technology 2nd ed. by S. P. Parker 1989.

The number of acquisitions in various institutions of the University is as follows :

<u>Institutions</u>	<u>Number of Books</u>
1. Smt. Hansa Mehta Library (which included books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science. The Centre for Continuing/Adult Education and Community Services and Faculty of Management Studies.	4206
2. Centre of Advanced Study in Education	9
3. Faculty of Fine Arts	248
4. M.K. Amin Arts & Science College and College of Commerce, Padra	151
5. Faculty of Performing Arts	41
6. Oriental Institute (Printed Section)	487

7. Polytechnic	2404
8. Sanskrit Mahavidyalaya	5
9. Faculty of Social Work	69
10. Faculty of Technology and Engineering	2750
Total	<u>10370</u>

Out of these 911 were received as Gift.

The following statements gives the details of the book stock of Smt. Hansa Mehta Library during the year.

	Books	Bound Vols. of periodicals	Manu- scripts	Maps, Charts etc.	Total in Rs.
1. Number at the beginning of the year	3,59,502	59,788	262	1409	2,36,73,874.66
2. Number added during the year	0,04,206	02,150	-	-	0,22,84,836.15
3. Number withdrawn from the records	-	-	-	-	-
4. Number remaining at the end of the year.	3,63,708	61,938	262	1,409	2,59,58,710.81

(b) Periodicals :

The total number of periodicals and scholarly journals subscribed to was 600 and 2150 volumes of bound periodicals were added to the stock.

2. CATALOGUING SECTION :

1. Books catalogued and classified during the year.	
(i) New accession to University Library	4206
(ii) New accession to Faculty Libraries	6164
Total	<u>10370</u>
2. Bound periodicals Catalogues and Classified	2150
3. Catalogue cards typed and filed	35171

During the year, the whole public catalogue was extended and rearranged.

3. CIRCULATION SECTION :

As the Examinations in various Faculties were being conducted, both the Libraries remained open from 8.00 a.m. to 10.00 p.m. in the month of April, 1989.

In the month of May 1989 Smt. Hansa Mehta Library remained open from 8.00 a.m. to 10.00 p.m. upto 14.5.89, and 8.00 a.m. to 8.00 p.m. upto 25.5.1989 and from 26.5.89 to 31.7.89, 11.00 a.m. to 5.40 p.m. It remained closed on Sundays and Holidays in the months of June to August, 1989.

It remained open from 8.00 a.m. to 8.00 p.m. in August, 1989. From September 1989 to March 1990 the Library remained open from 8.00 a.m. to 10.00 p.m. including all Sundays and Holidays.

The number of readers registered in the various categories were as follows :

1. Graduates and Post-graduates Students	5330
2. Under-graduate Students	6236
3. Research Scholars, Research Assistants and Ph.D. Students	208
4. University Teachers	638
5. Others	412
	12824

The Statistics of the use of the Library is as under :

1. Daily average number of readers visiting the Library	3365
2. Total number of books issued per day for reading	1532
(a) Average number of books issued for Home Reading from General Collection	272
(b) Average number of books issued per day from Curriculum	132
(c) Average number of books issued per day from Stacks	924
3. Average number of books issued per reader in the year	47

4. REFERENCE SECTION :

(i) Reference Service to readers :

Reference Services have been playing an important role in the academic life of the University. The Reference Section conducted a 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 resources etc.

Shri H.C. Mehta, University Librarian, North Gujarat University gave a very informative talk on INFLIBNET - Information and Library Network on 3.3.90 in the Lecture hall of Smt. Hansa Mehta Library.

(ii) Orientation Programme :

In the beginning of the academic session, the Reference Section conducted an orientation programme intended to familiarize the new entrants to the working of the various sections of

the library, the various practices and procedures followed, as well as the arrangement of books on the shelves. Other technical devices were also explained to them so that they would be able to make the best use of the library and on their own find out the requisite materials.

(iii) Exhibitions :

From time to time the Reference Section arranges exhibitions of books and other reading materials on different topics suited to the occasion.

a. Special Exhibitions :

- i) India-Elections
- ii) Mahabharat
- iii) Vocational Guidance
- iv) U.N. Day

b. Weekly Exhibitions :

Selected new books were displayed every book in the University Library.

(iv) Bibliographical Activity :

Bibliographies on the following topics were compiled during the period.

- i) Women's Development and need for child care as an essential input.
- ii) Bibliography on police.
- iii) Books on Human Resources Development.

(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 from Indian Library Association, the Library celebrated the Twenty Second Library week during the year.

(vii) Theses and Dissertations :

1. During the period, 256 Theses and Dissertations were added to the collection of 5742 bringing the total collection to 5998.
2. During the period, 1167 readers consulted the Theses and Dissertations.
3. A descriptive list of Ph.D. theses received in the library from January, 1989 to December, 1989 was published.

(viii) Reference Materials :

During the period, 2797 readers consulted the reference books and other reference materials.

(ix) Pamphlets collections :

The reference section has a sizeable collection of pamphlets. The following statement gives the details of pamphlets collection in the library.

1. Number in the beginning of the year	18579
2. Number added during the year	320
3. Number withdrawn from the record	740
4. Number remaining at the end of the year	18159

(x) Reprographic Unit :

The Xeroxing facility is also made available for taking out the copies from Books, Periodicals etc. to give quick services to students and staff members of the University at a very economic rate (0.50 Ps. per page).

During the year a large number of readers took the advantage of this facility.

5. SIR SAYAJIRAO MEMORIAL TRUST LIBRARY : (NEW LIBRARY)

Sir Sayajirao Memorial Trust Library remained open from 8.00 a.m. to 10.00 p.m. in the month of April, 1989. It remained open from 11.00 a.m. to 5.40 p.m. only in the months of May to September, 1989.

From October 1989 to March 1990, it remained open from 8.00 a.m. to 10.00 p.m. even on Sundays and Holidays.

Tape Recorder facilities are given to Blind students in Sir Sayajirao Memorial Trust Library.

The statistics of the use of the library is as under :

(a) Average number of books issued per day from Curricular Collection	204
(b) Average number of readers visiting SSMT Library per day	2500

6. GENERAL :

Smt. V.A. Amin, Offg. University Librarian and Shri K.P. Pandya, Technical Assistant, attended a three days Seminar/Workshop viz. "Computer Application to Library i.e. Library Automation" at Gujarat Vidyapith Library, Ahmedabad, on March, 9, 10 & 11th May, 1990.

The M. S. University of Baroda Press

1. STAFF :

During the year, the staff of the Press consisted of a Manager, Dy. Manager, Asstt. Manager, Head Clerk (Accounts and Store), Clerk, One Head Proof Reader, One Jr. Proof Reader, One Copy Holder, Two D.T.P. Computer Operators for Temp. period. There are 40 permanent workers in the Press.

Under the modernisation and reorganisation plan of the Press and adopting of new technique several changes in Press established were made while some posts have been converted, redesignated and created under the S.R. NO. ADM-89-XII-22/1730 dt 2.2.90.

2. MACHINERY :

During the year the Press has purchased new machinery with all the necessary equipments of D.T.P. Computer, Off-set HMT Printing machine, Cutting machine, Process Camera, One Generator, Stitching Machine and complete plant Unit including retouching lining up table, paper folding machine worth Rs. 29,78,300/- under the plan of modernisation of Press vide S.R.No. ADN-88-VIII-41/1064 dt. 8.9.88.

The Press has also purchased One Water Cooler and Type Writer worth Rs. 18,960/- from Seventh Five Year plan of U.G.C.

3. PRINTING ACTIVITIES :

During the year 383 printed question papers, 656 stenciled question papers and 1687 xerox question papers and other question papers of Open Test were printed under the conditions of secrecy for the University Examination. Main answer-books of the University examination and Test answer-books of different Faculties and Institutions were printed. The Press also printed Senate proceeding, details of establishment, Annual Accounts, Budget estimate, questionnaires, Magazine, Pamphlets, Certificates, General forms, Prospectus, Admission forms, Examination forms, Letter heads, Receipt books and different kinds of job works of the different Faculties and Institutions of the University.

The University Press has been working purely as a Service department of the University since April 1967.

The following is the list of books printed by the Press during the year :

Name of the Books	Publishers
1. ગાંધીજી - ગાંધીજી Royal 8VO - Size	Oriental Institute
2. Tattvasangrah Vol. II Royal 8VO PP 867-948	Oriental Institute
3. Methodology of Educational Research, D. Crown 8 VO D. Crown * VO PP 361 to 376	CASE : Department of Education
4. Hand Book Part I	M. S. University of Baroda.

5. Report of the Centre	Continuing/Adult Education
6. Monographs of the Department of Human Development and Family Studies	Faculty of Home Science
7. 40th Annual Report	M. S. University of Baroda
8. M.S.U. Diary	M. S. University of Baroda
9. Pratik Index - II Volume Demy - 665 - 776	Oriental Institute
10. सवाधान संस्कृत साहित्य	Oriental Institute

4. 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 Physiology (Half Yearly)
4. Swadhyay (Quarterly)
5. PAVO (Half Yearly)
6. Social Work Review (Yearly)
7. Surbharati (Yearly)
8. M. S. U. News
9. Baroda Reporter.

5. UNIVERSITY STATIONERY UNIT :

This Unit is a service department of the University and is under the supervision and control of the University Press Manager. The Unit purchases and distributes the stationery every quarter of all the Faculties and Institutions and University office. The unit consists of a Senior Clerk, Clerk, One Rickshaw Driver-cum-Stationery distributor, One helper and one Pagi. During under report, the stationery articles worth Rs. 13,52,844.39 were purchased and stationery articles worth Rs. 12,21,437.20 were distributed.

6. UNIVERSITY PUBLICATIONS SALES UNIT :

This Unit is under the control of supervision of the University Press Manager. The Unit consists of a Senior Clerk, Clerk/Typist and one outdoor work Assistant/Attender. It is working as a book shop for University publications. The total sales during the year was of Rs. 1,08,715.86.

The M. S. University Union

The M. S. University Union is a statutory corporate body of the students and teachers for promoting academic, Social, Sporting and Cultural interest and Welfare of the Students of the M. S. University of Baroda.

The Union Executive Committee for the year 1989-90 consisted of the following :

President	:	Prof. O.P. Goyal
Treasurer	:	Dr. Nikhil Desai
Vice-President	:	Shri Shivrajsinh B. Vaghela
General Secretary	:	Shri Gulab K. Rajput

FILM CLUB :	1.	Shri Barot Manoj G. -Convener
	2.	Shri Shroff Kashyap V.
	3.	Sukhadia P. B.
	4.	Patel D. B.

INDOOR GAME :	1.	Shri Pandey Nagendra B. - Convener
	2.	Shri Patel Pankaj K.
	3.	Shri Patel Vipul V.
	4.	Shri Thakor Bharat G.

HIKING CLUB :	1.	Shri Emanuel Duke Alfred - Convener
	2.	Shri Yadav Dineshsingh N.
	3.	Shri Amin Dipakchandra P.
	4.	Shri Hitendra B. Patel

BADMINTON :	1.	Shri Goyal Rakesh O. - Convener
	2.	Shri Dahima Raishinh N.
	3.	Shri Khopkar Naval R.
	4.	Shri Subhal K. Shah

ENTERTAINMENT :	1.	Shri Pala Ismail Yusuf - Convener
	2.	Shri Mankad Akshay A.
	3.	Shri Shah Darpan K.
	4.	Shri Kandoi Mayur M.

- PUBLIC RELATION :**
1. Shri Jain Manish A. - Convener
 2. Kum. Lateshben P. Tandon
 3. Shri Jhatakia Narendra B.
- EMESTER**
1. Shri Nikhil Sundarlal Shah - Convener
 2. Shri Patel Niranjan V.
 3. Shri Parekh Chetankumar R.
 4. Shri Pathan Bettulakhan A.
- CAMPUS BEAUTIFICATION :**
1. Shri Patel Hitesh C. - Convener
 2. Shri Patil Sanjay J.
 3. Shri Chokshi Vipul G.

NOMINATIONS OF FACULTY REPRESENTATIVES :

The Vice-President and General Secretary suggested two names for nominations of the Executive Committee. The Syndicate nominated the following persons :

1. Shri Ramesh Bhogilal Parmar
2. Shri Mukesh Kahar
3. Kum. Jayshreeben P. Mehta (Syndic)
4. Smt. Arunaben S. Mehta (Syndic)

I. Univesity Board of Sports :

1. Prof. O. P. Goyal - President
2. Shri S. B. Vaghela - Vice-President
3. Shri Gulab K. Rajput - Gen. Secretary
4. Two Students Representative - Not nominated from the Executive Committee for 1989-90.

II. The General Elections were held on Wednesday the 20.9.1989. The President under 0.126 assigned different posts to the Secretaries according to their choice and merit. The first meeting of the Executive Committee was convened by the President on Thursday the 28th Sept. '89 and the budget meeting was held on Saturday the 7th Oct., '89. The budget for 1989-90 was presented by Treasurer Dr. Nikhil Desai and it was passed unanimously.

This year M. S. University Union has organised the Youth Festival, Fun-Fair and Rock Show. Inter Faculty Cultural Competition, Musical Night Programme etc. were organised in the Youth Festival Programme. Debates in different languages and Fun competition were organized very successfully this year.

The Indoor game Convener also organised Inter Faculty Badminton, Table Tennis, Chess & Carrom Tournaments.

This year the M. S. University Union sent a team of 21 students to participate in Model Parliament held at Bangalore. However the model parliament competition was postponed at the last minute.

The Results of Indoor Games are as under :

A. Table Tennis Tournament :

MEN

1. Faculty of Technology & Engineering - Winners
2. Polytechnic - Runners up

WOMEN

1. Faculty of Arts - Winners
2. Faculty of Commerce - Runners up

Table Tennis Tournament Open Event

1. Shri Arun Upadhyaya - Tech. is the Champion of the University
2. Shri Jatin Vyas - Polytechnic - is the runner up.

B. Chess Tournament :

1. Ist Prize - Faculty of Medicine
2. IInd Prize - Faculty of Science
3. IIIrd Prize - Faculty of Technology & Engineering

C. Badminton Tournament

For Girls :

Ist Prize - Faculty of Commerce

IInd Prize - Faculty of Education & Psychology

For Boys :

Ist Prize - Faculty of Technology & Engineering

IInd Prize - Faculty of Commerce

D. Carrom Tournament (Double)

1. Ist Prize - Faculty of Performing Arts (Winners)
2. IInd Prize - Faculty of Education & Psychology (Runners-up)

Carrom Tournament (Single)

1. Ist Prize - Faculty of Commerce (Winners)
2. IInd Prize - Faculty of Education & Psychology (Runners-up)

A Festival Cricket Match was held between the Executive Committee of the Union and the Teachers of the University.

The Union presented many problems of the students to the University authorities and got them solved in a peaceful manner without resorting to any agitation. The table tennis and badminton activities of the Union continued with the help of the teacher's in-charge Shri M.R. Vyas and Kum. Jayshreeben Mehta respectively.

1. Halls of Residence

The number of resident students admitted to the halls of residence during the year 1989-90 is shown in Appendix - I.

Prof. H. V. Bhavnani took over as Chief Warden, M. S. University Halls of Residence from Prof. Bonny Pilo. To look after the increasing Problems of the ladies campus, the Syndicate appointed Dr. (Miss) Tara Mehta as Dy. Chief Warden (Ladies campus).

Prof. H. G. Rajput, Shri S. S. Patel and Shri N. M. Surana were appointed as Wardens in place of Dr. Parlikar R.K., Dr. N.V. Mani and Shri P.C. Patel of the S.P. Hall, M.M. Hall and M. V. Hall respectively. Miss H.G. Shah was appointed as Temp. Superintendent for Smt. P.G. Hall.

Looking to the increasing work for the Wardens, the University Syndicate decided to pay an honorarium equal to 20% of basic salary of the Warden from 1st Jan., 1990.

Due to the policy of education for ladies, there was rush of lady students both at the Faculty as well as ladies hostel. To partially solve the problem, the Syndicate by its order converted the staff room into student rooms in the Halls of Residence.

Followup of the proposal for new hostels, one for the ladies and one for foreign students (Boys) was made at the University Grants Commission and the Government of Gujarat level.

As there is fluctuation in the supply of electricity to the Halls of Residence, the work of providing Generator sets to the Halls was taken up. The four ladies hostels were provided with one Generator each and next year the generator sets will be provided in boys campus.

Four vehicle stands for the halls of residence are complete and the vehicle stand will be given on contract shortly.

On the whole the year was peaceful.

2. National Service Scheme

AIMS AND OBJECTIVES :

The National Service Scheme, M. S. University of Baroda is sponsored by the Department of Youth Affairs & Sports, Ministry of Human Resource Development, Government of India and Directorate of Education, Government of Gujarat. The major objectives of the Programmes are as under :

- * To narrow down, to the extent possible, gaps between rural and urban people; the rich, middle and lower classes in and through the student community.
- * To promote students' concern for fellow-citizens and understanding of conditions in which majority of citizens are living.
- * To put students in situations in which their knowledge of subjects learnt through books and teaching aids in classrooms, could be utilised.
- * To help students discover themselves and facilitate selection of careers and setting for future work according to their aptitudes
- * To provide work experience as might be helpful to students in finding avenues of employment.
- * To provide experience in group living with a view of promoting better realisation in the importance of team work.
- * To create conditions in which students will work together constructively, learn to be tolerant and to function as a team.
- * To identify itself with the urgent needs of various communities and agencies.
- * To help students to have healthier and rich personalities.
- * To undertake and execute programmes to meet community needs.
- * To develop programmes of welfare significance.
- * To build infra-structure for economic and social development.
- * To give students a sense of participation in national development.
- * To strengthen solidarity, national integration.

ORGANISATION :

The NSS programme in the M. S. University of Baroda is directed by a young team of trained social workers. The NSS organisation consisted of a Programme Coordinator, a Field Organiser, Twenty two Programme Officers, Twelve University and Ten Higher Secondary N.S.S. Program office. A Hon. Accounts Consultant, two Office Assistants and a Peon.

UNIVERSITY ADVISORY COMMITTEE FOR N.S.S.

The M.S. University of Baroda has set up a university level Advisory Committee for N.S.S. which includes :

- | | |
|--|---------------|
| 1. The Vice-Chancellor | Chairman |
| 2. The Pro-Vice-Chancellor | Vice-Chairman |
| 3. The Programme Coordinator | Secretary |
| 4. The Registrar/Officer on Special Duty, M. S. University of Baroda | Member |
| 5. The President, M. S. University of Baroda, Union | Member |
| 6. The Syndicate Member, representing the Dean's constituency (Dean, Faculty of Fine Arts) | Member |
| 7. The Dean, Faculty of Social Work | Member |
| 8. The District Collector or his Representative District Planning Officer - Kothi Building, Vadodara | Member |
| 9. The District Development Officer Vadodara District or his Representative Deputy District Development Officer, Bhadra Office, Panigate, Vadodara-2. | Member |
| 10. The Municipal Commissioner or his Representative - Director, Director Urban Community Development Project - Vadodara Municipal Corporation Vadodara - 1. | Member |
| 11. Assistant Programme Advisor Government of India, Ministry of Youth Affairs and Sports, NSS Regional Centre, 2, Amul Society, Paldi, Ahmedabad. | Member |
| 12. Special Officer, NSS Directorate of Higher Education, Gujarat State, GANDHINAGAR. | Member |
| 13. The Dean, Faculty of Commerce | Member |
| 14. The Dean, Faculty of Arts | Member |
| 15. The Dean, Faculty of Home Science | Member |
| 16. Three Representatives by rotation invitation from amongst programme | Members |
| 17. Officer and Senior Volunteers who | |

have shown sincerity and dedication in developing the NSS Programme constructively on the recommendations of the Programme Coordinator.

Members

18. Two Higher Secondary School Principals having NSS Units to be invited by rotation as per the recommendations of the Programme Coordinator

Members

ACTIVITY APPROACHES :

In view of the National Policy of the Government the M. S. University of Baroda has concentrated in three major areas of students involvement through NSS Programme. These three major components of the NSS Programme include Regular Social Service Activities, Special Camping Programme and National Literacy Mission Project of MPFL. The total enrolled volunteers of NSS, M. S. University of Baroda, were involved in these three components of NSS Programme. The qualitative improvement of NSS was the priority of the university rather than quantitative expansion.

Development of personality of students through community service has been a major emphasis of NSS programme in the M. S. University of Baroda. The focus was more on involving the students in planning, implementing and evaluating the experiences to use them for further shaping of the programmes to suit the needs of the community people and the agencies wedded to the objectives of the social welfare. The strategy of designing service project which exposes the university student to various realities of life situations and satisfy practice based learning needs of the students, was adopted.

The post-graduate volunteers of NSS from Faculty of Social Work were involved in service rendering projects in rural areas. As a part of field work programmes they were assigned to organise campaigns with a view to provide them leadership role. The expertise of social work teaching staff & students was utilized for programme development while celebrating national festivals which in turn has given boost to the field work programmes of social work students in selected villages.

The under-graduate student volunteers of NSS were involved in the social service programme based on their own interests and needs of the community. Interest-wise projects were formulated for rendering services to the needy people in the social service agencies through Institutional Service Projects. Rural and Urban Community oriented programmes were also organised.

The Higher Secondary School NSS Project initiated its activities with major focus on creating an awareness towards national problems & efforts of different organisations for its solutions. The emphasis was given on educational visits and educational activities such as organising lectures, debates, elocution, seminar on social issues etc. The pattern of interestwise groups of social services will be introduced for school project of NSS in phases.

MAIN THRUST :

- (a) Appropriate participation of NSS volunteers in Mass Programme of Functional Literacy and Youth for Mass Literacy Campaign.

- (b) Suitable involvement of NSS students in Point No. 13 of the 20 point programme.
- (c) Participation of NSS volunteers in the programmes of improving Status of Women.
- (d) Promotion of family welfare and population education programmes.
- (e) Stress on character building activities.
- (f) Participation of NSS volunteers in the Environment Improvement Programmes.
- (g) Participation of NSS volunteers in promoting Physical fitness & Adventure activities.
- (h) Promoting of National Integration and Cultural activities.
- (i) Participation in the National Development Projects.

ENROLMENT :

National Service Scheme, M. S. University of Baroda has enrolled 1500 students for regular activities for the year 1989-90. These students have been enrolled from different Institutions of the university and selected Higher Secondary Schools of Baroda City.

The enrolment campaign was centrally organised with the help of Field Organiser, Programme Officers, University/School Teachers and Senior Volunteers. They visited different Faculties and Schools for sharing information about NSS. This has resulted in completing the enrolment strength of 1500 students for M. S. University of Baroda.

ORIENTATION AND ACTIVITIES :

The preparation for regular activities of NSS began with the organisation of Leadership Camp at Kewadia from 9-12 July, 1989. The training of leadership was imparted to 17 male and 5 female participants for preparing them to shoulder responsibilities of creative work. The services of the trained volunteers were utilised for the enrolment campaign. Since International Youth Year major theme of Participation, Development and Peace, continued as philosophy of organising NSS programme. The major focus was on involvement of students in Youth For Mass Literacy Campaign. The orientation Programmes were conducted on every Friday and Saturday at NSS Office. The orientation lectures were also organised in the selected Higher Secondary Schools of Baroda. Twenty one Orientation Sessions were organised. The newly enrolled student volunteers were oriented in detail about NSS programmes and were given to choose the areas of their own interest and liking so as to enable them to associate with the activities of NSS. The NSS activities in the M. S. University of Baroda were organised with prespective of Youth participation in the Developmental activities for peaceful co-existence. Practically all the projects were managed by NSS volunteers as a part of the strategy of participative culture.

The activity of the year began with the celebration of the Independence Day programme on 15.8.89 at N.S.S. Campus. Discussion & Dialogug on 'Role of Youth in Independent India' was a major activity in the session. Campus of cleaning and soil work for three plantation, demonstrating dignity of labour in the student community was another important activity of the day. 15 male and 5 female senior volunteers participated in the programme of protection of trees which had been planted by 86 male & 77 female volunteers in 39th Vanmohatsava. The watering of the planted trees continued on every Sunday under the guidance of Shri D.B. Dewaskar, Programme Officer on NSS.

The Raksha - Bandhan Programme was celebrated on 16th August, 1989 involving 100 female volunteers expressing their concern and tied Rakhis to 500 inmates of Social Defence Department Agencies such as Government Certified School, Home for Beggars, Home for Crippled Child, School for Blind, Observation Home for Boys and Hospital for Mental Health. The inmates of these agencies have their own needs. They need love and affection from the Society. The Volunteers have distributed the sweets.

As a part of the programme of involving students in the activities of social defence department - 16 male & 6 female students participated in the programme of Drawing Competition, Film-show & Tree Plantation activities at Government Certified School, Baroda. These programmes were organised on 29th August '89, 2nd September '89 and 4th September '89 respectively benefitting 150 inmates of the agency.

5th September birthday of Dr. S. Radhakrishnan is celebrated as Teachers Day. 10 male & 5 female senior volunteers participated in the Teachers Day programme discussion, on "Teacher's Role in Development of Youth" at N.S.S. Campus. On the same day 12 male & 3 female volunteers participated in Bhajans at Hospital for Mental Health as a part of Ganesh Festival Celebrations.

8th September, 1989 was celebrated as International Literacy Day. Various activities such as Exhibitions, Group discussions and Drawing Competitions were organised on the theme of 'Role of Youth in Literacy Mission.' 100 male & 50 female volunteers participated in the programmes organised at N.S.S. Campus.

Blood Donation Camp was organised on 11th September, 1989, in the Faculty of Arts Campus. The programme was organised for general awareness amongst students community towards Blood Donation. 23 male & 12 female volunteers donated blood as a part of demonstration in the Blood Donation awareness campaign.

On 12th September 1989, a film-show signifying the importance of wild life for human survival was organised in collaboration with World Wild life Fund of India. 35 male & 15 female volunteers participated in the programme at the N.S.S. Campus. Drawing Competition on Nature was also organised on the same day at Home for Crippled & Pensionpura Slums. 60 inmates participated in the programme.

As a part of Institutional Awareness Programme 64 male and 62 female volunteers participated in the programmes organised at Hospital for Mental Health, Drug Laboratory, Beggar's Home, GERI & Bal Bhavan. The volunteers were briefed about various activities carried out and the types of services available in the agencies. The visit has helped volunteers to perceive the role youth can play in developmental activities.

8th March, 1989 was celebrated as Womens Day Programme. Field Organiser and a group of volunteers participated in programmes to improve status of women and their role in nation building. The lady volunteers also participated in cultural programme in the city.

March 19, 1989 was celebrated as World Disabled Day. A selected group of volunteers participated in the Rally of Disabled person in the City of Baroda.

A group of selected trained volunteers formed in a group named Adarsh Sahkar Deep, and coordinated with Rupa Parivar Kendra, Lions Clubs and various Grampanchayats for the organisation of medical check-up and Eye Camps. They organised a variety of camps at different places. Around 825 persons got benefits of the medical check-up at normal rates. 287 pairs of spectacles were distributed to needy persons at subsidised rate with the help of sponsoring agencies. Participating NSS volunteers showed good dedication during these camps.

In addition to the above, regular activities were given more emphasis for completion of requirement of NSS volunteers by involving them in rotations in (1) National Literacy Mission and Educational & Educational Assistance Project (2) Wild Life and Nature Education Project (3) Creative Activity Project. (4) Cultural Activity Project. (5) Construction Project. (6) Home Science Education & Extension Project. (7) Drug bank and Hospital Service Project. (8) Institutional Service Projects. (9) Slum Improvement Projects and (10) Village Development Projects. The Faculty of Social Work student volunteers invested their time and provided better platform to fresh volunteers for social service.

1. Youth for Mass Literacy Campaign :

Eradication of illiteracy has been one of major missions of the Government of India. NSS volunteers were oriented about the National Problem and what role they can play in solving the same. National Literacy Mission and Mass Programme of Functional Literacy became one of the important programmes of the NSS, M. S. University of Baroda. A concentrated effort for creation of cadre for MPFL work was initiated through Special literacy Camps for National Literacy Mission and Youth for Mass Literacy Campaign. The student volunteers of schools & college were motivated and convinced to participate in the project. During the year 332 male & 287 female volunteers were associated with the literacy project in 3 villages, Samiyala, Sangma & Laxmipur and slum pockets in Baroda through week end camps & biweekly meetings with the learners. The student volunteers organised talks, exhibitions, film-shows, cultural programmes & one to one contact sessions for creation of environment for the rural & urban masses to understand the significance of Literacy.

2. Wild Life and Nature Education Project :

Knowledge of Nature's creation is very important for human survival. How to conserve natural resources for future generation has become prime concern of one and all. In view of this association of youth with Nature is imperative and Nature Education and Protection of Wild Life and Education pertaining to the same was made part of regular activities of NSS programme. Educational activities through exhibitions, film-shows, essay-quiz. Drawing Competition and talks became regular feature of this project. The various agencies actively working in the field of wild life & Nature Education were involved in the activities for giving specific knowledge to the volunteers. More and more efforts were made to involve the volunteers in the task of Environment and Wild Life. Meetings & programmes were organised periodically involving 359 volunteers, 224 male & 135 female for the cause of Nature Education. Large number of citizens & school children were benefitted by this programme.

3. Creative Activity Project :

The Creative Activity Project was started with the belief that the youth volunteers have creative ideas which need direction for constructive work. The project was aimed at developing abilities of individuals with their involvement & interest in creative work. The expertise of the Fine Arts Faculty was utilised for developing hobbies like painting, paper marballing, stamping designing, creating best out of waste, batik, greeting card making etc. The imagination of the volunteers were given a direction by the expert & the creation was an encouraging force for the volunteers. 51 volunteers, 31 female & 20 male associated themselves in this project. They developed interest & acquired knowledge in the various hobbies & utilised their skills & knowledge for the cause of social service in different neighbourhoods and Institutions.

4. Cultural Activity Project :

N.S.S. volunteers are not professional artists, but have talents that can be brought out through the Cultural

Activity Project. They get a different media to express themselves. The creative activity was used as an entry point in villages and Institutions for social service. Education through Entertainment was the approach adopted by the volunteers of this group. The activities of this group mainly focused on Mass Education by performing art talents. Efforts were put in regularly for street plays, folk dances, folk dramas, mime, group songs etc. centered round the theme of social significance. 234 volunteers, 116 male and 118 female volunteers were involved in this project. They presented programmes on specific themes in social service agencies and villages. The activities were very useful in establishing rapport with the people to participate in various other activities. These programmes were also used for creation of environment for National Literacy Mission in the rural areas & slums.

5. Construction Project :

The activities of this project largely benefitted the students of Polytechnic & Technology Faculty. This project links the scientific knowledge & Social service for the working of the community. The project signifying dignity of labour & involvement of youth were evolved. The student volunteers were involved in manual work project of digging pits for tree plantation, soil work in the campus, Sayaji Garden, Arvind Baug, Fatehgunj, Drug Laboratory Compound, Forest Nursery alongwith beautification. The volunteers were also oriented for the use of science for our society through technical visits of important institution and organising exhibitions. The volunteers visited Government Poultry, Arvind Ashram, Cheshire Home, Government Certified School, Diamond Jubilee Cottage, Industries, Dinesh Tiles Factory & Display Centre at 'GERI'. Film-show related to Eye Donation, Gobar Gas Plant & Kanchanganga Expedition. 67 volunteers, 55 male & 12 Female volunteers were involved in this project.

6. Home Science Education & Extension Project :

This project is mainly for the students of Faculty of Home Science. It has been specialty designed to use the knowledge of Home Science discipline for the cause of community service. They work with needy women, handicapped children, youth in urban & rural areas & other deprived sections of the society. They also assisted the social service agencies for organising welfare programmes for needy people. This group of 40 female volunteers has regularly worked on educational & recreational activities for children of School for Blind, Hospital for Mental Health & Observation Homes for Boys & Girls. Under the environmental richness & conservation programme efforts were made to develop an awareness amongst the volunteers regarding environment. A group of volunteers attended lectures highlighting the importance of trees and also participated in the lecture & demonstration on gardening & use of plants for the pollution control.

The volunteers also worked on the awareness campaign about income supplement activities vitaminised recipe making women education & development were organised.

7. Drug Bank & Hospital Service Project :

This project is aimed at providing health services to needy patients. The 110 volunteers, 57 male & 53 female volunteers of medical college are enrolled in this project. The Drug Bank is being run by the volunteers who collect the sample drugs from the medical practitioners of Baroda. The Drugs are sorted with the technical assistance of the Doctors and provided free of the cost to the patients who are admitted in the S.S.G., Hospital on the prescription of the doctors. In addition the Rotary Club of Baroda also sponsors payments for the purchase of drugs which are not available in the Drug Bank. There is facility available in S.S.G. Hospital for Mobile Library for patients. A batch of Senior volunteers is involved in vaccination project in different wards of Baroda Municipal Corporation. This group has covered the

children from the age group of 6 months to 5 years in regard of vaccination for Measles, Triple (DPT), Oral Polio & DT. They also gave treatment to pregnant mothers. Besides this the volunteers were involved in group discussion, Slide shows. Video shows and documentaries regarding social evils, health problems etc. The contribution of this project in the field of health is remarkable.

8. Institutional Service Project :

The student volunteers opting to work for Institutional Service are oriented about the agency functioning and they are provided an opportunity to study and understand the problems of the inmates. These inmates are visually handicapped, orphans, destitutes deserted and emotionally disturbed etc. Having known the problems of these special groups, the student volunteers derive greater satisfaction from helping them, through their participation in the social service programmes. The student volunteers plan and organise play centres, recreational and creative activities, outing programmes and educational activities for the development of the inmates. The visually handicapped are helped to carry out their studies by providing assistance in reading and writing and by preparing books in Braille Script.

Baroda city has a net work of Social Welfare Agencies, working for the welfare of groups at disadvantage. Many of these have been providing an adequate institutional case and vocational training for the inmates. All these agencies, however have been constantly feeling to get voluntary services to conduct recreational, play centre and educational programmes for the inmates, which they cannot concentrate upon, primarily because of over burden of work and inadequacy of staff. It has also been experienced that volunteers, specially outsiders, relating with the inmates of the correctional agencies, through programmes, denotes a very special meaning to the inmates. This was another, important reason, why these agencies readily welcomed the student volunteers of N.S.S. for thier field work training. The student volunteers associated themselves with forty social service agencies of Baroda.

9. Slum Improvement Project :

These projects are launched in selected slums in Baroda city, in collaboration with Urban Community Development Project of Baroda Municipal Corporation and Shramik Vidyapith, other involved in conducting studies, thinking and planning of programmes and in real execution of the projects and efforts are directed to make the involmnet of the students in the programmes, a learning experience, leading to the personality enrichment.

The students are involved in initiating/conducting pre-school and adult education programmes, in conducting health surveys, and health education and sanitation campaign in initiating and activising youth and women associations. The strategies of organising people around issues related to their development and problems, are adopted and focused in this project. Play centres, recreation clubs and similar other activities are initiated and conducted for specific target groups in the slums, for achieving developmental goals.

10. Village Development Project :

A group of villages selected in the vicinity of Baroda city, for the placement of the students, under this project. Every Sunday, a batch of students visits the village and participates in the activities, which are planned through their involvement, in a meeting that precedes the visit. The activities are in the areas of Education. Health Education and Care. Youth and Women Welfare and the celebration of National and Religous Festivals. The student volunteers, through their participation in the activities, get an educative exposure to the realities of rural life and the problems of the people and in turn, they help the people in

identifying some of their problems and needs. Social service programmes of educational importance and seeking community's participation are organised. The emphasis, is as far as possible, given to creating durable community assets and doing socially useful productive work. The village development projects were launched and conducted in 6 villages namely Bil, Kakali, Chapad, Samiala, Laxmipura, Sangma during the year 1989-90. The industrial houses, local self governments and voluntary agencies manage the follow-ups.

During the year the major emphasis was laid on the projects of National Literacy Mission. The volunteers have worked on house to house survey for identifying the illiterate persons from the selected villages. This was also followed by organising Exhibitions Lectures, Cultural programmes, Discussions etc. to create environment for involvement of rural folks in the educational project. The volunteers also worked on each one teach one project during the week end camps.

SPECIAL PROGRAMMES :

1. Celebration of Week for Blind Persons :

Blind persons week was celebrated in collaboration with workshop for Blind, Subhanpura & Lion Club of Baroda from 14th September, - 21st September, '89. Major emphasis of the celebration of week was to increase awareness of people for economic rehabilitation of Blind persons. Various programmes of community education were initiated in the busy spots of Baroda city. An exhibition stall was organised at Nyaya Mandir demonstrating various trades in which blind persons can be involved. A unique feature of week long celebration was 'PASTI COLLECTION' Programme. Posthumous newspapers were collected from school going children. An appeal was made to contribute three newspapers to the PASTI COLLECTION Campaign. The campaign had very positive response from the community and posthumous newspapers worth Rs. 17,000 were collected for the cause of welfare of Blind persons. 400 N.S.S. Volunteers from college & schools participated in the programme.

2. Yuva Chetna Training Programme :

Kamlashanker Pandya Foundation and National Service Scheme jointly collaborated for the organisation of Yuva Chetna training programme on September 23rd & Sept. 24th 1989. The programme was aimed at training Youth for Democracy, secularism & enlightened citizenship. The training programme included lectures by experts on the subjects - Relevance of Gandhis Thought, students and Election process, voluntary service sector, women literacy and development, Literature and Public awareness, Youth in Indian Perspective, Students activities - Retrospect & Prospects, Rights and Responsibilities of Citizens & Democracy. The programme was inaugurated by leading educationist and Social welfare Smt. Lilaben Chandorkar under the Chairmanship of Prof. R.C. Patel, Vice-Chancellor of University. Smt. Aruna Mehta, Syndicate Member of the University & Social Worker & Prof. Guntant Shah, leading educationist participated in the valedictory function. 80 male and 50 female volunteers participated in the programme.

3. Blood Donation Motivation Week :

Blood Donation Motivation Week was celebrated with the objective of increasing awareness pertaining to Blood Donation among citizens of Baroda. The programme was organised in collaboration with Blood Data Bank & Lions Club. Week long programme were organised during 1st October - 7th October, 1989. An impressive rally as a part of awareness campaign was major attraction of the week. Around 5000 people joined this rally with banners, floats & boards. Leading dignitaries, city Mayor, Member of

Parliament, Executives of Lions Club & other social service agency personnel walked in the rally. Essay competition on significance of Blood donation was also organised. Blood group detection camp for identification of Blood group of individuals was organised to facilitate Blood donation to needy persons at the time of emergency. A register for volunteer donors was prepared for the Blood Data Bank. The organisational assistance in the celebration was provided by a group of active N.S.S. volunteers. 100 volunteers, 70 male & 30 female volunteers participated in the programme.

4. Mahatma Gandhi Jayanti Celebrations :

The celebrations of Mahatma Gandhi Jayanti started with prayer meeting at Pensionpura complex. 93 volunteers joined the community singing. It was followed by the discussion on Gandhian philosophy and role of youth in National Development. The handicapped children require more warmth. So as a part of Gandhi Jayanti celebration Essay & Drawing Competitions were organised. The N.S.S. volunteers organised these competitions at the Home for Crippled & School for Blind. The inmates of the agencies though handicapped have the power of imagination & creativity. The programme was to encourage them & enhance their capacities.

5. NSS Volunteers at Republic Day Celebrations at New Delhi :

Participation of NSS volunteers in the Republic Day Celebrations is a significant event. Eighteen student volunteers from Gujarat were selected for the noble cause. Kum. Darshana Patel, Kum. Sonal Vyas and Chandresh Mehta students of Faculty of Arts & Faculty of Commerce were selected as representatives of NSS, M. S. University of Baroda for participation in Republic Day Celebrations. Their performance was appreciated by the officials in New Delhi.

6. Youth Week Programme - 1990 :

Youth Week provides ample opportunity for University youths for participation in the constructive activities. The NSS - M. S. University of Baroda has evolved three phased programme for the involvement of students in community service programmes. The first phase - Under-graduate NSS volunteers programme, Second phase - Post - graduate NSS volunteers programme, and the Third phase - Higher Secondary School NSS Volunteers programme. A week-long programme of variety of social service and educational activities involving 1500 students was implemented with the help of Social Agencies and Government Departments.

Youth Day - Youth Week inauguration programme was held on the birthday of Swami Vivekanand - 12th January, 1990. Youth Convention was organised on that day. Prof. Indiraben Patel, Secretary, Ramkrishna Vivekanand Kendra, Baroda, inaugurated the programme and addressed the gathering on theme of "Youth Awareness for National Development." Two hundred volunteers have participated in the programme. This was followed by presentations from the youth regarding Life of Swamijis, Present Education System, Role of Youth in National Development, Character building as a means of National building etc. The presentation was the outcome of the group discussions among the students on the specific topics. The volunteers had Elocution on 'Role of Youth in Literacy Mission.' Simultaneously Essay writing & Drawing Competition was held with the theme of Literacy.

On Cultural Day, January 13, 1990 the volunteers participated in Quiz-events 1989. Mono acting & song competitions were also organised at N.S.S. Campus. Drawing & Sports Competition was held at Observation Home for Girls & Pensionpura complex. Cultural programme was presented by N.S.S. volunteers at Receiving Centre for Beggars for entertaining them. The volunteers had a cleanliness

campaign at village Sangma to bring awareness in the people regarding cleanliness.

On Participation Day January 14, 1990 Kite distribution was organised at Government Certified School, School for Blind & Home for Crippled. The kites were the contribution of N.S.S. volunteers. The volunteers had contributed minimum 2 kites each for distributing those in the agencies.

On Social Service Day January 15, 1990 an exhibition on Literacy & various activities of N.S.S. was organised at N.S.S. Campus. The work displayed was done by the volunteers themselves during their activity sessions.

Physical Fitness Day, January 16, 1990, sports competition involving the children, youth & females was organised at village Laxmipur & Sangma. 150 villagers had taken part in the events. This was followed by a video show projecting social values at Government Certified School.

Youth For Peace Day, January 17, 1990, Cultural programmes was presented by the N.S.S. volunteers at the Hospital for Mental Health. The volunteers also organised the prize distribution programme at village Laxmipura & Sangma for the sports competition.

Skill Development Day January 18, 1990. Interschool Competition for Drawing, Essay writing, Mono acting, Solo song, Elocution & Garba was organised at N.S.S. Campus. Volunteers from school had participated in the programme.

Awareness Day January 19, 1990. Elocution Competition in collaboration with Ramkrishna Vivekananda Kendra was organised at Social Work Auditorium for School & College students volunteers participated in the programme. The valedictory function was chaired by Prof. R.C. Patel, Vice-Chancellor of the University. Shri Baldev Raj, Assistant Programme Adviser, N.S.S. also participated in the programme.

7. Youth for Science & Environment :

The Community Science Centre, Baroda, World Wild Life Fund and National Service Scheme, M. S University of Baroda organised All Baroda School Children's Drawing Competition on the theme of Youth For Science and Environment as a part of Environmental Awareness Campaign. One hundred fifty participants took active part in the competition. This was followed by a dialogue with Parents & Executives on theme of Safety of Vehicles. The programme was organised at NSS Campus on 11.2.1990.

8. Environment Education Project :

Environment Education Project was started with the sponsorship of Youth Council, Baroda, registered voluntary organisation working in the fields of Education, Health & Welfare. The project attempts at involvement of people in environment movement. The sponsors believe that young people, students & non students should be involved in the activities of 'Youth for Environment Protection & Promotion Projects.' The involvement of youth is promoted through variety of educational programmes for conservation of nature, youth training for preservation of environment and creating public awareness. These programmes are undertaken with the help of different mediums such as Film-shows, lectures from experts, field visits, orientation camps, workshops, Exhibitions, Competitions etc. The Environment Education Project organised workshop on 'Introduction to Bird Life' during 1st March-5th March, 1990. 382 students from 5 school of Baroda such as Alembic Vidyalaya, New Era Girls, Jeevan Sadhana, Shreyas participated in the programme. All the participants were given two books - 'Joy of Bird Watching' & 'The Mysterious World of Insects.' The programme was actively supported by the Department of Forest Government of Gujarat.

The project has organised a 'Teachers Training Workshop' on Environment Education during 29th March - 31st March 1990. 60 primary teachers, school Board Officials, Forest Officers and N.S.S. personnel associated with the workshop. The programme has been actively supported by Municipal School Board, Baroda & Department of Forest, Government of Gujarat. Good amount of literature has been compiled and prepared for the cause of Environment Education. Shri Navnit Patel, Project Officer, Environment Education Project, Youth Council, Baroda has been associated as resource person for the workshops.

9. Post Graduate NSS Volunteers of Social Work :

Faculty of Social Work students of Jr. M.S.W. class are enrolled as NSS volunteers. They are involved in Action Oriented Programmes in Rural areas & Urban social service agencies for their field work with the expert guidance of the teaching staff of the Faculty. The student volunteers visit village & agencies as a part of their field work thrice a week on every Tuesday, Thursday and Saturday. They are expected to use the knowledge of social group work method while working in the village & agency. They shall provide leadership in involvement of NSS volunteers in Rural Reconstruction tasks. During the year two major campaigns of Gandhi Jayanti and Youth Week programmes were assigned to them. The major projects initiated by social work students in six villages include -

Gandhi Jayanti Programme in six villages ;

1. Village Cleanliness Campaign
2. Drawing Competitions
3. Prayers Meetings
4. Health Education
5. Prohibition
6. Income Supplementation Project
7. Youth Rally - Mass Education
8. Healthy Baby - Competition
9. Medical Check up
10. Cultural Programme

Youth Week Programmes :

1. Bhajan Competition
2. Vocational Guidance
3. Film-shows
4. Lecture-Preaching of Swami Vivekananda
5. Cultural Programme
6. Essay Competition
7. Recipe Competition
8. Awareness March

9. Drawing Competition
10. Puppet Show
11. Sports Competition
12. Village Cleanliness Campaign
13. Community Singing
14. Fancy Dress Competition
15. Kite Flying Competition
16. Healthy Baby Competition
17. Yoga Demonstration
18. Literacy Mission Rally
19. IRDP Exhibition
20. Health Check up
21. Income Supplement Project Demonstration
22. Craft Learning
23. Smokeless Chula Demonstration
24. Consumer Education
25. Exhibition on Life of Swami Vivekanands

10. SPECIAL NSS PROGRAMMES OF SCHOOL UNIT.

National Service Scheme, M. S. University of Baroda has introduced NSS programme in ten selected Higher Secondary Schools of Baroda. The enrolment strength of volunteers in 750. The students were oriented in different schools by a team of social work teachers. The volunteers of school project participated in various activities organised by NSS, M. S. University of Baroda, over and above their regular involvement in respective schools. The special activities of school NSS includes :

1. Mass Programme of Functional Literacy Campaign
2. Raksha-Bandhan Programme for Social Defence Agency Inmates.
3. Independency Day Celebrations
4. Nature Education Programme
5. National Integration Awareness Campaign
6. Talks and Exhibition on Life Message of Swami Vivekananda
7. Elocution Competition on Role of Swami Vivekananda in India's renaissance and Swami Vivekananda as an Ambassador in Western Countries.
8. Discussion on Role of Youth in National Development

9. Blood Donation Motivation Week
10. Celebration of Week for Blind Persons.
11. Youth Week Celebrations
12. Teacher's Day Celebrations
13. Visit of Social Service Agencies
14. Tree Plantation.

11. MASS PROGRAMME FOR FUNCTIONAL LITERACY :

National Service Scheme, M. S. University of Baroda has centrally organised Mass Programme for Functional/Literacy in joint collaboration with the Centre for Continuing/Adult Education. The Padra College NSS volunteers are the participants of MPFL Programme. Last year they continued their literacy work, details of which are as under :

(a) Total number of Volunteer participating in MPFL	:	484	Male	:	314
			Female	:	370
(b) Total Number of Master Trainers Trained	:	151	Male	:	95
			Female	:	56
(c) Total number of kits supplied	:	250			
(d) Total Number of Learners	:	695	Male	:	393
			Female	:	302
(e) Total Number of Volunteers Trained	:	484			

In addition to the above community youths are also involved in the tasks of National Literacy with the efforts of University.

Youth For Mass Literacy :

The school and college volunteers were involved in the Mass Literacy Campaigns through the Regular Activities & Special Campaign Programme. The volunteers had been involved in villages Laxmipura, Samiyala, Sangma, Pensionpura Slum & Navidharti Slums for Literacy as a part of regular activities & Rengpur and Vadia Villages in special camps. The details of the achievements of the volunteers during regular activities & special camping are as follows :

Activity	Students			Learners		
	M.	F.	Total	M.	F.	Total
Regular Activity	252	194	446	218	232	450
Special	197	96	293	357	302	659
Total	449	290	739	575	534	1109

Special Camping Programmes - Youth For Mass Literacy - 1989: and Twenty Three One Day Camps & Other events were organised during the year under report :

Seven Medical Check-up Camps were also organised by other agencies with active assistance of trained NSS volunteers.

The National Service Scheme, M. S. University of Baroda provided an opportunity to 662 volunteers for participation in the 10 days camp under the Campaign of Youth for Mass Literacy - 1989. The Projects undertaken in the camps were National Literacy Mission, Pond Deepening, Afforestation, Tree Plantation & National Integration.

National Integration and Environment Protection Camp at Kevadia provided unique experiences to the campers in the area of camp management. This was the unique experience of its own kind in our country for the involvement of 1500 youth in the projects of National Integration and greening the mountain around Narmada Dam Site. The Baroda University campers assisted the organisation in project planning, transport arrangements, food, accommodation, finance management. The services of NSS, M. S. University of Baroda volunteers were appreciated by one and all. In addition to this NSS volunteers participated in National Integration Camps organised by different organisations. Thus 662 participants got exposures through the Camping experiences at different places.

In addition to the above 23 One Day's Camps have given exposure to 530 NSS volunteers for village development work, one camp of 3 days duration was organised to impart leadership training to 22 volunteers. Around twenty five volunteers participated actively in the organisation of medical check up programmes at 7 different places. 743 people benefitted from the above medical check up camps. Thus Special Camping Programme and other camps could provide opportunity to 1192 volunteers, for participation in the Rural Reconstruction Projects. The experience of participation in the special camping programme was instrumental for the development of leadership potential of the students. These camps were conducted by the trained volunteers in the spirit of youth participation in development work. These camps were better medium of education for student volunteers. Participation in these camps has helped students for the development of personality through community service. The entire camping programme was planned implemented and evaluated by a team of social workers in organisation.

3. National Cadet Corps

1. The Annual report covers the under-mentioned NCC units affiliated to the M. S. University, Baroda:

- (a) 3 Guj Bn NCC, Baroda
- (b) 1 Guj Compo Tech Regt NCC, Baroda
- (c) Company 6 Guj Girls Bn NCC, Surat
- (d) 1 Guj Air Sqn NCC, Baroda
- (e) 2 Guj Naval unit NCC, Baroda

2. Detailed report on the activities of the above-mentioned units is given in the succeeding paragraphs.

3. Enrolment - The enrolment of Officers and Cadets during the year was as under :

Name of the Unit	NCC Officer		NCC Cadets Authorised	Enrolled
	Authorised	Actual		
(a) 3 Gij Bn NCC	4	4	480	340
(b) 1 Guj Compo tech Regt NCC, Baroda	2	2	160	130
(c) Company 6 Guj Girls in NCC	3	2	280	300
(d) 2 Guj Naval unit NCC, Baroda	3	2	150	150
(e) 1 Guj Air Sqn NCC	2	1	200	200

4. Training :

Training of all the units started in August 1989 and completed in March 1990. This year, training of cadets of few institutions has started late due to late admission of students in the Faculties. A large number of Officers and cadets took part in the Centrally Organised Camps, Annual Training camps and Attachment to Regular units. Some of the highlights of training are as under :

- (a) Annual Training Camps-Attended by NCC Cadets of M. S. University, Baroda.

Sr. No.		Vacancy allotted		Vacancy utilised	
		NCC Part Time offrs	Cadets	NCC PT offrs	Cadets
1.	3 Guj Bn NCC, Baroda	4	480	2	450
2.	1 Guj Campo Tech	1	80	-	40
3.	Company 6 Guj Girls	-	160	-	160

4.	2 Guj. Naval Unit NCC, Baroda	2	150	2	150
5.	1 Guj Air Sq. NCC	2	200	1	150

(b) Centrally Organised Camps

Sr. No.	Name of the Camp	Vacancy allotted		Vacancy Utilised	
		PT NCC Offr.	Cadets	PTNCC Offr.	Cadets
1.	Basic Leadership Camp of SD Boys held at Peddapuram from 1 June 89 to 14 Jun. 89	-	10	-	10
2.	Basic Leadership Camp of SW Girls cadets at Trivandrum from 15 May to 26 May 89	-	4	-	4
3.	Basic Leadership Camp of SW Girls cadets at Puri from 27 May to 7 Jun., 89	-	5	-	5
4.	Basic Leadership Camp of SW Girls cadets at Shantiniketan from 25 May to 5 Jun. 89	-	4	-	4
5.	Advance Leadership Camp of SD Boys at Shillong from 4 May to 24 May 89	-	2	-	2
6.	Advance Leadership Camp of SD Boys at Krishnarajnagar from 11 May to 31 May 89	-	2	-	2
7.	Advance Leadership Camp of SD Boys at Vishakhapatnam from 15 May to 4 Jun. 89	-	2	-	2
8.	Basic Leadership Camp of SD Boys at Lailpur from 17 Oct. to 30 Oct 89	-	5	-	5
9.	Basic Leadership Camp of SD Boys held at Delhi				

	Cantt from 01 Oct to 14 Oct. 89	-	3	-	3
10.	Advance Leadership Camp of SD Boys held at Gwalior from 14 Oct. to 3 Nov. 89	-	8	-	8
11.	Basic Leadership Camp of SW Girls at Delhi Cantt from 19 Oct to 30 Oct. 89	-	5	-	5
12.	Advance Leadership Camp of SW Girls cadets at Ranchi from 20 Oct to 9 Nov. 89	-	3	-	3
13.	Nau Sainik Camp of SD Boys at Cochin from 04 Oct to 17 Oct 89	-	15	-	15
14.	Vayu Sainik Camp of SD Boys at Kota from 03 Oct to 16 Oct, 89	1	14	1	14
15.	Annual Trg Camp of SW Girls cadets attached with Air units at Kota from 05 Oct to 16 Oct. 89	-	4	-	4
16.	Annual Trg Camp of SW Girls cadets attached with Naval unit at Goa from 06 Oct to 16 Oct. 89	-	2	-	2

(c) 15 Cadets attended the Republic Day parade and Prime Minister Rally on 26 Jan. 90.

(d) Attachment with Regular Army units - 1989/90

Sr. No.	Units	Vacancy allotted		Vacancy Utilised		Regular units
		PT Offrs.	Cadets	PT Offrs.	Cadets	
1.	3 Guj Bn NCC, Baroda	-	25	-	25	31 Inf Bde C/o. 56 APO
2.	6 Guj. Girls Bn NCC	-	5	-	5	M H Baroda
3.	2 Guj Naval unit NCC	-	2	-	2	Naval ship Cochin
4.	1 Guj Air Sqn NCC	-	5	-	5	AFS At Vidar

(e) Advance Training-Trekking Expedition

<u>Number of Trek</u>	<u>Number of cadets attended</u>
i) All India Trekking expedition of SW Girls cadets at OOTY COONOR from 4 May to 17 May '89	8
ii) All India Trekking Expedition of SD Boys held at Harsail Gangotri from 31 May to 13 Jun. '89.	20
iii) All India Trekking Expedition held at Kashmir from 22 May 89 to 5 Jun. 89	10

COMPETITION

5. The following cadets of this Group have been awarded Governor's Medal for the year 1989/90 :

- (a) Po Odt Amardeep Singh Dunes - 2 Guj Naval Unit NCC Baroda
 (b) OUO Madhu Malhotra - 6 Guj Girls Bn NCC

6. The following cadets as shown against each have been awarded prizes for the various competitions :

<u>Name of Unit</u>	<u>Prize Awarded</u>
(a) Sgt Nirbhay Singh Ball of 1 Guj Air Sqn NCC, Baroda	Awarded and prize in 'Best Skeet Shooting, during Vayu Sainik Camp held at Lucknow from 03 Oct to 09 Nov. 89

CERTIFICATE EXAMINATION.

7. Unitwise details of certificate examination are shown as under :

	'B' Certificate No. of Cadets		'C' Certificate No. of cadets	
	App	Passed	App	Passed
(a) 3 Guj Bn NCC	13	11	3	2
(b) 1 Guj Compo Tech. Regt	06	06	-	-
(c) 6 Guj Girls Bn NCC	23	23	4	6
(d) 2 Guj Naval unit NCC	18	15	9	7
(e) 1 Guj Air Sqn NCC	46	44	25	24

8. Youth Exchange Programme :

The following cadets of this Group have been selected for Indo-Canada Youth Exchange Programme in 1989/90:

- i) CDT DEEP BUWET of 2 Guj Naval
 - ii) CUO MADHU MALHOTRA of 6 Guj Girls Bn NCC
 - iii) CWO Parul J. Patel of 6 Guj Girls Bn NCC
 - iv) CWO G Darshan of 1 Guj Air Sqn NCC, Surat.
-

4. Physical Education Department

1. STAFF

Director of Physical Education

Three Asstt. Director of Physical Education (Men) Vacant post

Two Asstt. Director of Physical Education (Women)

One Hockey Coach

Two Coaches - Vacant

Two Asstt. Swimming Trainer

One Boating Trainer

Training in Physical Education :

Training in Physical Education was imparted to 1868 Men students and 1441 Women students from various faculties and institutions.

Training and Coaching in Games and Sports :

Special Coaching was provided by the Honorary coaches and Asstt. Directors of Physical Education in the following games. Number given in brackets indicates regular attendance in the respective games :

Cricket	(Men - 49- Women 18)
Hockey	(Men - 25- Women 20)
Tennis	(Men 70- Women 10)
Track & Field	(Men 14- Women 6)
Kho-Kho	(Men 20- Women 15)
Football	(Men 35)
Kabaddi	(Men 22)
Volleyball	(Men 20- Women 8)
Basketball	(Men 25- Women 15)
Badminton	(Men 30- Women 10)
Table Tennis	(Men 30- Women 10)

Participation in Tournaments and Competitions Inter University Tournaments :

The following teams have participated in the Inter University Tournament during the year 1989-90.

Sr.No	Name of the Game	Venue
1.	Basketball (Men)	Anand
2.	Basketball (Women)	Banasthali

3.	Kho-Kho (Men)	Kolhapur
4.	Kho-Kho (Women)	Calcutta
5.	Kabaddi	Nagpur
6.	Football	M. S. University Baroda, West Zone Group 'A'
7.	Swimming	Hyderabad
8.	Volleyball (Men)	Amravati
9.	Table Tennis (M & W)	South Gujarat, Surat
10.	Cricket (Men)	Surat
11.	Wrestling	Hissar
12.	Judo (M & W)	Pune

The following teams could not participate in Inter University tournaments during the year 1989-90 :

1. Hockey (Men)
2. Hockey (Women)
3. Cricket (Women)
4. Weight lifting & Best Physique
5. Badminton Men & Women

The following teams have secured position in Inter University tournaments :

1. Basketball (Men) III Place in West Zone Group 'A'
2. Football (Men) IV Place in West Zone Group 'A'
3. Judo (Men & Women) Kum. Annapurna Chauhan of Commerce - Secured III Place in All India.
4. Tennis Quarter Finals

The following men and women players represented Gujarat State in National Championships, National Zonal Championships and Women's National Championships in various games and a sports held at various places :

KHO-KHO

Name	Faculty	National Goa May 1989	Dhulia June 1990	Zonal Jr. National-National
Dahiwalkar Sandeep	Law	"	-	
Vichare Nayan	Commerce	"	-	
Moghe Ravindra	"	"	-	

Naikwade Vikas	"	"	-	
Moghe Uday	"	"	-	
Chaudhary Santosh	Science	-	"	"
More Manoj	Commerce	-	"	"
Joglekar Santosh	"	"	-	"
Sane Chetan	"	-	"	"
Kulkarni Ajit	"	-	"	Vardha in Jr. National
Zange Ajay	"	-	"	
Kum. Salvi Sangita	"	"	"	
Kum. Salvi Trupti	"	"	"	

Name	Faculty	National Goa May 1989	Dhulia June 1990	Zonal Jr. National-Jalgaon
------	---------	-----------------------------	------------------------	-------------------------------

Kum. Panhalkar Alka	Commerce	"	"	"
Kum. Chokshi Minal	"	"	"	"
Kum. Upasani Swati	"	"	"	"
Kum. Ghag Sangita	"	"	"	"
Kum. Shinde Poornima	"	"	-	
Kum. Dhadhe Manisha	Science	-	-	
Kum. Kulkarni Maitreyi	"	"	-	

BASKETBALL

Nationals

1. Kum. Surti Vidita Tech. & Engg. Jaipur Dec. 1989
2. Kum. Saini Daljit Kaur Science " "

HOCKEY (Women)

1. Kum. Patel Minal Julunder 1989
2. Kum. Jani Neelam " "
3. Kum. Bhagat Pragnya " "

The following teams participated in State Championships :

Name of the Game	Venue	Year & Month	Result
Basketball (W)	Rajkot	December 89	Won the Championship
Kho-Kho (W)	Itola	May 89	Won the Championship
Kho - Kho (W)	Rajpipla	Jan 90	Won the Championship

Tennis

Valsad

Siddarth Kaul (Medicine)

Sachin Kini (Commerce)

Won Men's Doubles &
selected for Nationals
Championships.

ATHLETICS :

Gujarat State Athletics Meet held at Ahmedabad in January, 90.

Shri Omer Robert of Arts secured 1st place in 800 M, 1500 M, 5000 M, and 10,000 M Running.

Shri Godfrey Mayade secured IIInd place in 400 M. and III place in 800 M.

Dalvinder Singh of Commerce secured IIInd place in 100 M running.

Kum. Raminder Sandhu of Padra college secured 1st in Shot put, IIInd in Discuss and Javalin Throw.

Kum. Rakhee Kane of Fine Arts secured 1st in Javelin Throw and III discuss throw and short put
Men 4 X 100 and 4 X 400 M. Relay IIInd place.

The following teams participated in Baroda District Championships in various games and sports:

Game	Venue	Result
Basketball (M)	Baroda	Won the Championship
Basketball (W)	Baroda	Won the Championship
Kabaddi (M)	Baroda	-
Men :		
1.	Omer Robert of Arts	Ist in 1500 M, 5000, 10,000 M.
2.	Godfrey Mavade	Ist in 200 M, 400 M Running
3.	Dalvinder Singh Com.	Ist in 100 M Running IIInd in 200 M. Running.
4.	Vishwajit Singh	Ist place in 10,000 M Running
5.	Thomas Joseph (Under 19)	Ist place in 100 M, 200 M, 400 M Running
6.	Kum. Anita Fernandes	Ist place in 100, 200, 400 M Running
7.	Kum. Rakhee Kane	Ist place in shot put, Discuss Javelin
8.	Men team won 1st place in 4 x 100 M and 4 x 400 Mt. relay	
9.	Kum. Vimal Patel	IIInd place in 100, 200 and 400 Mt. Running.

INTER FACULTY TOURNAMENTS - 1989-90

	Name of the Game	Winners	Runners
1.	Volleyball	Tech. & Engg.	Science
2.	Basketball (Men)	Polytechnic	Tech. & Engg.
3.	Basketball (Women)	Science	Tech. & Engg.
4.	Football	Science	Arts
5.	Cricket	Commerce	Science
6.	Tennis	Medicine	Tech. & Engg.

Athletics : Individual championship won by Shri Godfrey Mayade of Faculty of Arts - secured 28 points

(Men) Individual championship won by Kum. Anita Fernandez of Commerce
(Women)

Cricket Ranji Centenary Award and Cash Prize of Rs. 600/- awarded to Shri Raju Naik of Faculty of Commerce.

Boating Individual championship won by Shri R.N. Tapodhan of Sanskrit Mahavidyalaya.

High lights

Kho-Kho : Kum. Salvi Sujata of Faculty of Commerce was awarded the All Round Best Player's prize in West Zone National Kho-Kho Tournaments held at Jalgaon in the month of October 1989.

Athletics : Mr. Omer Robert won the Individual championship winning - 800 M, 1500 M, 5000 M and 10,000 M Running in the Gujarat State Athletics meet held at Ahmedabad in June 1990 also won the Individual championship in Baroda District Amateur Athletic Meet held at Baroda in January, 90 and won the Petrofils overall team Championship for the year 1990.

Judo : Kum. Chauhan Annapurna of Faculty of Commerce secured third position in the All India Inter University Judo championship held at Nasik conducted under the auspices of Pune University.

Cricket : Raju Naik of Faculty of Commerce and Nayan Mongia of Commerce played Ranji Trophy for Baroda held at Baroda. Raju Naik of Faculty of Commerce has been adjudged best cricketer of the University for the year 1989-90.

Staff Achievement :

Shri R. Rajagopalan

Asstt. Director of Physical Education has been elected as Hon. General Secretary of Baroda District Amateur Athletic Association.

Also elected as a Vice-President of the Baroda District veteran Athletic Association.

Shri K. B. Desai

Asstt. Director of Physical Education has been elected as Vice-President of Baroda Dist. Amateur Athletic Association. Also elected as the President of Baroda Dist. Basketball Association.

Smt. S.R. Katkar

Asstt. Director of Physical Education appointed as a Member of the Selection Committee by the Gujarat State Kho-kho Association to select the State teams Men & Women for National tournaments.

Shri R.N. Thatte

Director of Physical Education was a member of the organising Committee of South Asia Cup Hockey Tournament held at Delhi in December 1989.

Member of the Technical Committee of Indian Hockey Federation. President of the Malkhamb Federation of India.

5. 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. The women students' Common Room and the Non-Resident Students' Centre were built with financial assistance from the University Grants Commission and the State Government.

A cafeteria is attached to each of the three Common Rooms. There are facilities for indoor games such as carrom, draught, chess, table tennis, etc. and for reading news-papers, periodicals and books. Committee consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for meeting of Students' Association, Socials, Indoor games and tournaments.

6. University Employment Information and Guidance Bureau

Main activities carried out by Bureau are given as under :

1. To register and to send detailed information of the candidates to the different Government and Private agencies for employment purpose.
2. To give information regarding employment in different areas.
3. To give information on various courses in higher education in different Universities in India.
4. To provide information on scholarship and other type of financial assistance.
5. To help in a personal way to solve vocational problem of the students.
6. To other vocational guidance through group discussion.
7. To give information on competitive examinations or recruitment tests by U.P.S.C., G.P.S.C. of different states, District Panchayat selection commission (New Delhi), Banking Service Recruitment Board and Railway Recruitment Board.

Above activities were carried out in the year 1989-90.

The following procedure for the registration was used :

A. Two categories were registered

1. Special Graduate and Professional
2. Post Graduate.

The detailed information of all candidates is systematically filed and the Register thereof is maintained.

B. Monitoring for the self employment to candidates :

All the concerned registered candidates were informed about the programme of mass employment or orientation on self employment.

The candidates willing to go for self Employment, were provided guidance for such programmes.

C. Guidance talks in School/Colleges :

The Bureau Chief and Deputy Chief went to Schools and Colleges and gave them vocational guidance and also arranged guidance exhibition of books, pamphlets, charts etc.

In the year 1989-90, 27 school talks were delivered.

D. Last year career week was celebrated in collaboration with the District Employment, Exchange, Vadodara.

E. Meeting attended by the Deputy Chief :

The Deputy Chief attended meetings organised by different departments of the District. Last year he attended Rojgar Nirman Samiti and Vocational Guidance Co-ordination committees meetings.

F. Short supply of candidates :

During the year 1989-90, generally it was observed that M.Sc. Physics with B.Ed., M.A. English with B.Ed., M.A. Psychology, Logic, Philosophy with B.Ed., Dairy Technology degree in animal husbandary, B.E. Chemical with experience, B. E. Electronics with 5 to 10 years experience, Chartered Accountant were in shortage categories.

They were also not available with the bureau.

G. Meeting of the Advisory Committee was called every year with the Vice-Chancellor as its Chairman. The last year meeting was held on 4th August 1989 under the Chairmanship of Prof. R.C. Patel, Vice-Chancellor. He made many positive suggestions for the development of the bureau. Some important decisions were also taken by the committee for the strengthening of the bureau.

H. Statistical figures for the last year as given below :

Category	1989		1990
	Jan.	Dec.	(Till March)
1. Not Registered		875	178
2. Information about vacancy		1001	115
3. Number of recommended candidates against vacancies		5454	1074
4. No. of candidates who obtained jobs.		38	15
5. No. of unemployed according to Register.		2551	2640
VOCATIONAL GUIDANCE ACTIVITIES :			
6. Individual Guidance		46	9
7. School talks		26	8
8. Registration Guidance		461	137
9. Group Guidance		99	15
10. Campus recruitment		1	1

Appendices

Statement showing the number of University Students during the Academic year 1989-90

Sr. No.	Faculties/Institutions	Post-Graduate Courses		Degree Courses		Diploma Courses		Total		Women	Grand Total 89-90	Grand Total 88-89	Grand Total 87-88
		Men	Women	Men	Women	Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11	12	13	
1.	Faculty of Arts	258	491	936	1245	21	31	1215	1767	2982	2526	1852	
2.	Faculty of Science	358	337	1260	1188	22	03	1640	1528	3168	2941	2790	
3.	Faculty of Edu. & Psy.	22	51	93	225	54	20	169	296	465	440	389	
4.	Faculty of Commerce	1102	876	2644	3421	-	-	3746	4297	8043	6860	6721	
5.	Faculty of Medicine	132	54	523	276	84	30	739	360	1099	1150	1185	
6.	Faculty of Tech. & Engg.	404	112	1928	339	143	27	2475	478	2953	2594	2894	
7.	Faculty of Fine Arts	65	56	105	119	40	10	210	185	395	380	276	
8.	Faculty of Home Science	-	135	01	506	-	48	01	689	690	710	682	
9.	Faculty of Social Work	51	34	-	-	16	4	67	38	105	101	94	
10.	Faculty of Law	18	06	479	143	238	97	735	246	981	1406	2347	
11.	Faculty of Performing Arts	18	22	69	98	-	-	87	120	207	193	159	
12.	Faculty of Management Studies	35	12	-	-	-	-	35	12	47	47	50	
13.	Baroda Sanskrit Mahavidyalaya	06	03	23	06	124	08	153	17	170	124	113	
14.	Shri M.K. Amin Arts and Science College and College of Commerce, Padra	-	-	1189	662	-	-	1189	662	1851	1889	1373	
15.	Polytechnic	-	-	-	-	1988	169	1988	169	2157	2257	1652	
Grand Total		2469	2189	9250	8228	2730	447	14449	10864	25313	23618	19683	

Statement Showing the Sex Percentage of Different Faculties/Institutions

The statement given shows the performance of Men and Women students in the various Faculties and Institutions at the University for the year 1970-71, 1980-81, 1989-90.

FACULTIES	1970-71		1980-81		1989-90	
	Men	Women	Men	Women	Men	Women
Arts	37.5	62.5	50.0	50.0	40.75	59.25
Science	72.2	27.8	66.5	33.5	51.77	48.23
Edu. & Psy.	30.7	60.3	46.9	53.1	36.34	63.66
Commerce	82.6	17.4	62.7	37.3	46.57	53.43
Medicine	84.0	16.0	85.4	14.6	67.24	32.76
Tech. & Engg.	97.7	2.3	96.8	3.2	83.15	16.85
Fine Arts	73.0	27.0	73.2	26.8	53.16	46.84
Home Science	0.1	99.9	0.1	99.9	0.14	99.86
Social Work	56.0	44.0	57.4	42.6	63.81	36.19
Law	89.5	10.5	89.8	10.2	74.92	25.08
Performing Arts	44.1	55.9	45.4	54.6	42.03	57.97
Management Studies	-	-	-	-	74.46	25.54
Baroda Sanskrit Mahavidyalaya	80.0	20.0	62.7	37.3	90.00	10.00
Shri M.K. Amin Arts & Science College and College of Commerce, Padra	90.8	9.2	82.3	17.7	64.23	35.77
Polytechnic	99.4	0.6	98.9	1.1	92.16	7.84

Number of Students Admitted in various Halls of Residence During 1989-90.

Sr. No.	Faculty	K.M.	M.M.	M.A.	S.P.	T.K.G.	J.M.	L.B.S.	N.V.	R.T.	M.V.	S.J.	TOTAL	V.S.	GRAND	S.D.	H.M.	P.G.	K.G.	TOTAL	Grand Total
TOTAL																					
1.	Arts	06	26	97	26	13	07	17	24	01	43	42	302	11	313	39	81	51	14	185	498
2.	Science	74	14	04	04	03	01	86	07	04	04	05	206	44	250	30	23	49	24	126	376
3.	Edu. & Psy.	01	01	01	17	02	-	-	04	-	01	02	29	09	38	16	03	07	03	29	67
4.	Commerce and Padra	10	08	06	20	174	13	7	04	5	15	33	295	07	302	24	22	36	17	99	401
5.	Medicine	06	09	02	16	01	110	03	03	03	03	02	158	03	161	35	36	36	11	118	279
6.	Tech. & Engg.	65	70	26	55	41	53	26	57	275	186	182	1036	37	1073	19	51	48	18	136	1209
7.	Fine Arts	2	10	67	19	02	07	03	02	01	-	02	115	05	120	43	12	11	12	78	198
8.	Home Science	-	-	-	-	-	-	-	-	-	-	-	-	01	01	63	86	55	32	236	237
9.	Social Work	-	-	-	-	-	-	01	-	-	-	-	01	12	13	01	04	-	01	06	19
10.	Law	-	-	-	03	01	01	-	01	01	-	02	09	-	09	02	03	01	01	07	16
11.	Music	03	-	-	04	-	09	-	-	-	-	01	17	-	17	06	06	02	-	14	31
12.	Management	-	-	-	02	-	04	-	-	-	-	01	07	07	14	01	03	02	-	06	20
13.	Polytechnic	02	110	-	09	03	-	03	63	24	21	35	270	-	270	-	03	-	-	03	273
14.	I.A.S.	-	01	-	-	-	-	-	01	-	-	-	03	04	07	-	02	-	-	02	09
TOTAL		169	249	203	175	240	205	147	165	315	273	307	2448	140	2588	279	335	298	133	1045	3633

Statement showing the percentage of students residing in the University Hostels the correspondence figures for the last five years.

Year	Student residing in Hostels			Percentage of Residence Students to the total Enrolment		
	Men 2	Women 3	Total 4	Men 5	Women 6	Total 7
1985-86	2,629	906	3,535	11.23	3.88	15.11
1986-87	2,372	864	3,236	10.07	3.67	13.74
1987-88	2,443	949	3,392	10.83	4.21	15.04
1988-89	2,550	1,014	3,564	10.80	4.29	15.09
1989-90	2,588	1,045	3,633	10.22	4.12	14.34

Statement showing the Non-University students in the year 1989-90

Faculties/Institutions	Men	Women	1989-90	1988-89	1987-88
(A) Diploma Courses :					
(i) Faculty of Performing Arts	415	311	726	712	693
(B) Certificate Courses :					
(i) Faculty of Arts	181	123	304	274	464
(ii) Baroda Sanskrit Mahavidyalaya	149	21	170	153	80
(C) S.S.C. Courses :					
(i) University Experimental School	408	246	654	719	689
(D) Chetan Balwadi :					
(i) Balwadi	31	25	56	57	48
(ii) Kinder Garden	13	16	29	28	27
Grand Total	1197	742	1939	1943	2001

**Number of Disabled students in various Faculties/Institutions
during 1989-90.**

Sr. No.	Faculties/Institutions	Men	Women	Level	REMARKS
1.	Faculty of Arts	01	-	Under Graduate	Handicapped on Legs.
2.	Faculty of Science	-	01	Under Graduate	Conjental Abnormality of both hip joints.
		-	01	Under Graduate	Left Leg Polio Infected.
		01	-	Under Graduate	Bilat Polt Polio Paralysis
3.	Faculty of Education and Psychology	01	-	Post Graduate	Blind
		01	-	Post Graduate	Physically Handicapped
		03	-	Under Graduate	Blind
4.	Faculty of Commerce	02	-	Under Graduate	-
		01	01	Post Graduate	-
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	01	-	Post Graduate	Blind
11.	Faculty of Performing Arts	01	-	Under Graduate	Blind
				Illrd BPA.	
12.	Faculty of Management Studies	-	-	-	-
13.	Baroda Sanskrit Mahavidyalaya	01	-	Under Graduate	Physically Handicapped
14.	Shri M.K. Amin Arts & Science college & College of Commerce, Padra.	-	-	-	-
15.	Polytechnic	05	-	Under Graduate	-
GRAND TOTAL		18	03		

List of Degree/Diploma Conferred at the Annual Convocation. (1988-89)

Sr. No.	Degree	No. of candidates
1.	Ph. D. (Arts)	07
2.	Ph. D. (Science)	16
3.	Ph. D. (Edu. & Psy.)	09
4.	Ph. D. (Commerce)	01
5.	Ph.D. (Medicine)	02
6.	Ph.D. (Tech. & Engg.)	11
7.	Ph.D. (Home Science)	04
8.	M.D.	86
9.	M.S.	56
10.	M.Phil. (Arts)	01
11.	M.A.	176
12.	Acharya	09
13.	Master of Library Science	05
14.	B.A.	292
15.	Shastri	07
16.	Bachelor of Library Science	18
17.	M.Phil (Science)	02
18.	M.Sc. (Final)	265
19.	B.Sc.	534
20.	Diploma in Cartography	05
21.	M.Ed.	09
22.	B.Ed.	162
23.	Diploma in Organisation Behaviour	08
24.	Diploma in Clinical and Psychology	06
25.	M.Com.	277
26.	B.Com.	1595
27.	P.G. Diploma in Banking	17
28.	M.B.A.	21
29.	M.C.H. (Medicine)	01
30.	M.Sc. Medical	01
31.	M.B.B.S.	156
32.	B.Physis	16
33.	D.O.	01
34.	D.A.	04
35.	D.L. & O.	01
36.	D.M.R.D.	01
37.	T.D.D.	04
38.	D.C.P.	02
39.	D.G.O.	03
40.	D.C.H.	01
41.	D.P.H.	01
42.	M.E.	41

43.	M.Text. Engg	01
44.	M.Text. Chem.	01
45.	M.Pharm	02
46.	M.C.A.	33
47.	M.Sc. (Applied Physics)	20
48.	M.Sc. (Applied Mathematics)	15
49.	M.Sc. (Applied Chemistry)	13
50.	B.E. IV	
51.	B.E. Electro.	
52.	B.E. PTD.	539
53.	B.Text. (Engg.)	25
54.	B.Text Tech.	20
55.	B.Arch	35
56.	B.Pharm.	25
57.	T.Y. B.Sc. (Tech.) Textile Chemistry	20
58.	P.G. Diploma in Operation Research	02
59.	P.G. Diploma in Environmental Science	10
60.	P.G. Diploma in Geotechnic	03
61.	P.G. Dip. Corrosion Tech	02
62.	P.G. Diploma in Solid State Electronics	04
63.	P.G. Diploma in Computer Application	29
64.	LL.M.	07
65.	LL.B. (Special)	93
66.	LL.B. (Gen.)	162
67.	D.T.P.	112
68.	D.L.P.	50
69.	M.A. (Fines & Musciology)	23
70.	B.A. (Fine)	36
71.	M.Phil Home Science	02
72.	M.Sc. (Home)	40
73.	B.Sc. (Home)	137
74.	Pre-School Education	24
75.	M.S.W.	34
76.	I.R.P.M.	15
77.	M.P.A.	17
78.	B.P.A.	23

Number of Patients treated at the Health Centre

The University Staff, their families and the students avail themselves of the Health Centre Facilities provided by University Health Centre. The following are the figures for the patients treated daily average attendance over a period of last five years :

Year	Staff and their Families	%	Number of cases of students	%	Treated total Cases	Daily average attendance
1985-86	25,975	85.5	4,396	14.47	30,371	104.01
1986-87	25,850	84.81	4,630	15.19	30,480	105.8
1987-88	28,328	81.76	6,320	18.24	34,648	116.0
1988-89	31,125	80.70	7,445	19.30	38,570	133.0
1989-90	32,600	79.71	8,296	20.29	40,896	144.00

CAPITAL ACCOUNTS**I - University Fund (subject to Audit) - 1989 - 90**

Receipts	Rs. Ps.	Payments	Rs. Ps.
Opening Balance	14,24,62,086.54	Building Works	--
Interest	1,15,012.84	Closing Balance	14,25,77,099.38
Total	14,25,77,099.38	Total	14,25,77,099.38

II - Ayurvedic Research Fund (Subject to Audit) - 1989 - 90

Receipts	Rs. Ps.	Payments	Rs. Ps.
Opening Balance	10,78,892.12	Amount transferred towards the excess recurring expenditure over the State Government Grant during the year	1,80,768.58
Interest	1,29,959.50	Closing Balance	13,18,606.22
Due to the University	2,90,523.18		
Total	14,99,374.80	Total	14,99,374.80

III - Post Graduate Instruction and Research Fund (Subject to Audit) - 1989 - 90

Receipts	Rs. Ps.	Payments	Rs. Ps.
Opening Balance	95,96,216.67	(1) Expenditure on Research Scheme (including Research Assistants)	1,07,273.95
Interest	10,08,716.39	(2) 12 Scholarship of Rs. 400/-p.m. and contingent grant of Rs. 1000/- p.a. per scholar.	61,923.60
		(3) Travelling allowance to Teaching Staff	35,387.00
		(4) Closing Balance	1,03,90,248.51
Total	1,05,94,833.06	Total	1,05,94,833.06

Receipts & Expenditure for the year 1990 i.e. from 1.4.89 to 31.3.90

PART - I NON PLAN SECTION - A

REVENUE ACCOUNT

RECEIPTS				DISBURSEMENTS			
Sr. No.	Particulars	Rs.	Ps.	Sr. No.	Particulars	Rs.	Ps.
1.	(A) Grant from the State Government (1 to 2)	12,27,83,408.91		University General Admn. (1 to 14) 56,80,460.63			
2.	(1) Block Grant from State Government	7,30,40,000.00		1.	Vice-Chancellor	1,11,200.00	
	(2) Additional Block Grant from State Govt.	4,97,43,408.91			(a) Salary	91,200.00	
	(a) 100% Grant Towards the additional expenditure on increase on the rates of D.A., H.R.A. & CL.A. during the Currency of the Triennium	1,15,91,860.76			(b) Dearness Allowance	19,760.00	
	(b) 3.5% Wage Bills Grant on the Wage Bill of Proceeding year on a commulative basis during each year of the triennium for annual increments etc.	30,00,000.00			(c) Addl. Dearness Allowance	--	
	(c) Additional Grants :				(d) Adhoc Dearness Allowance	--	
	(1) Degree Course in Pharmacy (Faculty of Tech. & Engg.) from 1.7.78 and onwards	9,00,000.00			(e) Compensatory Local Allow.	240.00	
	(2) For Six Semester Post Higher Secondary (Std. XII) Science Stream Dip. in Civil Mechanical & Electrical Engg. (Polytechnic)	--			(f) Medical Allowance	--	
	(3) Towards Works of Ordinary Repairs to Building	10,00,000.00			(g) Interim Relief	--	
	(4) Towards Expenditure on Leave Travel Concession given to the University Employees	--		2.	Pro-Vice Chancellor	1,09,065.54	
	(5) Scheme which was completed 5 years and receipts on accounts of Under-Graduate Teaching of Faculty Technology and Engineering	--			(a) Salary	87,600.00	
					(b) Dearness Allowance	18,510.71	
					(c) Addl. Dearness Allow	--	
					(d) House Rent Allowance	2,354.83	
					(e) Adhoc Dearness Allow.	--	
					(f) Compensatory Local Allow.	240.00	
					(f) Medical Allowance	360.00	
					(g) Interim Relief	--	
				3.	Officers	4,76,278.54	
					(a) Salary	3,55,749.72	
					(b) Dearness Allowance	94,628.82	
					(c) House Rent Allowance	22,400.00	
					(d) Compensatory Local Allow.	1,700.00	
					(e) Medical Allowance	1,800.00	
				4.	Clerks & Technicians	36,57,840.39	
					(a) Salary	23,02,596.94	
					(b) Dearness Allowance	7,56,772.32	
					(c) House Rent Allowance	5,41,494.02	
					(d) Compensatory Local Allow.	17,636.89	

Sr. No.	Particulars	Rs.	Ps.
(6)	Towards Encashment of Leave Travel Concession		--
(7)	Towards revision of the pay scales of the Teaching & Non teaching staff including Interim Relief		--
(8)	Towards the expenditure on payment of Adhoc Bonus	14,00,000.00	
(9)	Towards the expenditure on payment of Pension and Computed value of Pensioner who are retired (Non-Teaching Staff)	Less 12,04,630.85	
(10)	Grant for New Pay Scale difference to Teaching Staff of Tech. & Engg. as per Dongre pay Commisison from 1.1.86 to 28.2.90	1,60,00,000.00	
(11)	Towards the Pension scheme for Non-Teaching Employed who retired till 13.9.88	34,00,000.00	
(12)	Grant Towards revised Pay Scale to University Teachers as per Malhotra Pay commis. sion 1.1.86 to 31.8.88	1,36,56,179.00	
(B) (1)	Grant from the University Grants Commission Towards the Grants Commission Unit in the University	12,000.00	
II.	Fees from the Students (A+B+C)	1,10,87,262.94	
(a)	Academic		--
(i)	Tuition Fees and Misc. Income from Faculties and Institutions	84,44,795.20	
(1)	Faculty of Arts	5,42,370.93	
(2)	Faculty of Science	10,70,083.42	
(3)	Faculty of Edu. & Psy.	15,58,024.50	
(4)	Faculty of Commerce	12,96,655.60	
(5)	Faculty of Management Studies	95,723.00	
(6) i)	Faculty of Technology & Engineering	16,07,576.30	

Sr. No.	Particulars	Rs.	Ps.
(e)	Medical Allowance	38,815.22	
(f)	Washing Allowance	525.00	
5.	Class IV Servants	6,25,063.81	
(a)	Salary	4,16,103.79	
(b)	Dearness Allowance	1,30,673.38	
(c)	House Rent Allowance	53,087.07	
(d)	Compensatory Local Allow.	8,867.57	
(e)	Medical Allowance	11,307.00	
(f)	Washing Allowance	5,025.00	
6.	Temporary Staff	3,60,017.97	
7.	Cell for Welfare of Backward Class	99,229.68	
8.	Acting Allowance		--
9.	University Contribution to Providend Fund	27,858.00	
10.	Contribution to Gratuity		--
11.	Encashment of Leave	53,634.10	
12.	Leave Travel Concession	11,458.60	
13.	Adhoc Bonus	1,48,805.00	
14.	Encashment of Leave Travel concession		--
	Examination Charges (1 to 16)	20,42,863.84	
1.	Remuneration of Examiners :		
(a)	Arts Examiantion	22,356.50	
(b)	Science Examination	27,375.36	
(c)	Edu. and Psychology Exam.	6,190.68	
(d)	Commerce Examiantion	64,549.13	

Sr. No.	Particulars	Rs.	Ps.	Sr. No.	Particulars	Rs.	Ps.
	ii) Introduction of Degree Course in Pharmacy	25,700.00		(e)	Medical Examinations	66,372.75	
	iii) Part-time degree course in Diploma Students in C.M.E.	2,80,866.20		(f)	Tech. & Engg. Examinations	2,48,389.34	
(7)	Faculty of Law	3,29,545.00		(g)	Law Examinations	8,752.30	
(8)	Faculty of Fine Arts	1,35,309.20		(h)	Fine Arts Examinations	--	
(9)	Faculty of Home Science	1,52,747.90		(i)	Home Science Examinations	1,578.77	
(10)	Faculty of Social Work	39,889.20		(j)	Social Work Examinations	--	
(11)	Faculty of Performing Arts	85,890.50		(k)	Sanskrit Mahavidyalaya Examinations	--	
(12)	Sanskrit Mahavidyalaya	4,795.53		(l)	Performing Arts Examinations	--	
(13)	Shri M.K. Amin Arts and Science College & College of Commerce Padra	4,47,588.00		(m)	Management Studies Exam.	3,435.10	
(14)	(a) Polytechnic	3,87,901.35		(n)	Polytechnic Examinations	77,791.68	
	(b) Extend Diploma course in Civil, Mechanical & Electrical engineering	74,007.60		2.	Travelling Allow. to Examiners	3,82,485.65	
	(c) Extended Diploma in Civil, Mechanical, & Electrical Engg. Course (Additional intake of 100 Students)	10,000.00		3.	Supervision Charges	43,003.60	
	(d) Five Semester Post Higher Secondary (Std. XII) Science Stream Diploma Courses and Civil, Mechanical & Electrical Engineering (Polytechnic)	2,09,249.00		4.	Printing and Stationery :		
(15)	Smt. Hansa Mehta (Uni. Library)	89,541.97		(a)	Printing of Question Papers	1,49,247.49	
	(a) for-Enrolment Certificate	51,500.00		(b)	Other Printing Charges	32,452.90	
	(b) For Post-Graduate Registration	9,830.00		(c)	Cost of Answer Books	7,293.00	
(B) EXAMINATIONS FEES		18,64,069.95		(d)	Stationery	81,179.00	
(1)	Arts Examination	1,55,961.00		5.	Chemicals and Breakages	7,762.78	
(2)	Science Examinations	2,50,985.00		6.	Asst. at the Practicals	2,56,145.30	
(3)	Edu. & Psy. Examinations	24,950.00		7.	Remuneration to Factotums, Peons	15,997.80	
				8.	Tabulation Expenses	2,08,180.99	
				9.	Remuneration to Proof Readers	17,083.45	
				10.	Contingencies & Sundries	9,686.50	
				11.	Dead-stock (including replacement and Repairs)	500.00	
				12.	Maintenance of Vehicle	23,913.94	

Sr. No.	Particulars	Rs.	Ps.
(4)	Commerce Examiantions	3,66,803.50	
(5)	Medical Examiantions	37,800.00	
(6)	Tech. & Engg. Examiantions	3,71,946	
(7)	Law Examiantions	1,06,547.00	
(8)	Fine Arts Examiantions	8,249.00	
(9)	Home Scienc Examiantions	15,725.00	
(10)	Social Science Examinations	5,750.00	
(11)	Performing Arts Examinaiton	6,106.00	
(12)	Management Examination	200.00	
(13)	Sanskrit mahavidyalaya Examinations	122.00	
(14)	Polytechnic Exminations	93,460.00	
(15)	Shri M.K. Amin Arts & Science College and college of Commerce, Padra	97,960.00	
(16)	Re Assessment Work	44,970.00	
(18)	Sales Proceeds of Examination Forms	4,995.70	
(19)	Sales proceeds of used Answer Books	-	
(20)	Verifications and supply of Marks	1,48,409.75	
(21)	Net Income from Engineering Admission Test	1,23,130.00	
(C) Other Fees		7,78,397.79	
(1)	For Certificates of Eligibility	63,220.00	
(2)	For First and Subsequent Graduation	91,344.00	
(3)	For University Gymkhana including Swimming Pool income	1,37,863.00	
(4)	For Medical Inspection of Students	47,477.00	

Sr. No.	Particulars	Rs.	Ps.
13.	Honorarium for Extra Work for Examinations	80,038.43	
14.	Typing charges etc. for preparing of Marksheet at least of the Final year examinations	1,52,295.35	
15.	Reassessment work	33,589.55	
16.	Entrance Test Examianiton	15,211.51	
III. Publications		96,983.96	
(a)	Gaekwad Oriental Series	31,823.40	
(b)	University other Publications	12,000.00	
(c)	Universaity Journal	53,160.56	
(d)	University News Letter	--	
IV. Remuneration to Lectures			
(a)	For Maharaja Sayajirao Gaekwad Lectures	--	
(b)	For Lectures and Demonstrations under the auspices of the University	--	
V. Travelling Allowance		1,91,378.65	
(a)	For Senate Meetings	--	
(b)	For Syndicate Meeting	6,508.50	
(c)	For Meeting of the Faculties, Boards and Committes	1,03,583.05	
(d)	For University Officers and Administrative Staff & Others	70,684.10	
(e)	For Delegates of the Univ.	10,603.00	
VI. Printing, Stationery and Postagea		4,39,990.00	
(a)	Printing of Hand Books Calenders Pamphlets, Electrical Roofs etc.	1,740.30	
(b)	Printing of Agenda, Minutes, Annual Report, Annual Budget and Accounts, Forms etc.	53,695.78	
(c)	Stationery	3,13,161.32	
(d)	Postage and Telegrams	72,392.60	

Sr. No.	Particulars	Rs.	Ps.
(5)	For Registration of Graduates	-	
(6)	For Faculty Gymkhana	1,21,353.00	
(7)	For University Union	2,46,180.74	
(8)	Fees for Students Safety Insurence	70,960.05	
III	Hostels	9,21,475.00	
	Income from Halls of Residence for Students	9,21,475.00	
IV	Income from Occupation of Building, Lands and other properties.	4,80,781.35	
(1)	Income from Use and Occupation of University Quarters and Bungalows and Other Buildings including Furniture Rent	3,91,094.75	
(2)	Income from General Education	41,995.60	
(3)	Income from University Guest House	47,691.00	
V	Health Services-University Health Centre	7,464.20	
VI	University Auxiliary Services (A+B+C)	26,87,861.87	
(a)	Income from M. S. University of Baroda Press	13,79,949.45	
(b)	Income from M. S. University Stationery Unit	12,21,907.20	
(c)	Income from Publication	86,005.22	
1.	Sale of Gaekwad oriental Services	38,601.34	
2.	Sale of other University Publication	9,457.11	
3.	Sale of Electrol Rolls Hand Books, Service Book	4,394.65	

Sr. No.	Particulars	Rs.	Ps.
VII.	Interest on Balance of Funds not Invested due to financial Stringency	16,91,569.97	
(a0)	Interest on Balance of Post-Grduate Instruction and Research Fund and other Funds invested due to financial Strigency	16,91,569.97	
VIII.	Maintenance of Building and Roads (including Residential Quarts and N.C.C. Building)	61,58,227.89	
(a)	Temporary Staff	--	
(b)	Ordinary Repairs	19,88,045.94	
(c)	Special Repairs	--	
(d)	Insurance Charges	1,90,396.00	
(e)	Misc. (Water Supply & Tools & Plants etc.)	22,09,574.09	
(f)	University Engineer's Staff (1 to 9)	17,70,211.86	
1. Officers		1,33,066.85	
(a)	Salary	94,471.85	
(b)	Dearness Allowance	29,045.00	
(c)	House Rent Allowance	8,450.00	
(d)	Compensatory Local Allow.	380.00	
(e)	Medical Allowance	720.00	
2. Clerks and Technicians		8,52,120.60	
(a)	Salary	5,55,816.46	
(b)	Dearness Allowance.	1,79,347.94	
(c)	House Rent Allowance	1,00,414.88	
(d)	Compensatory Local Allow.	7,017.32	
(e)	Medical Allowance	9,524.00	
3. Class IV Servants		6,53,121.25	
(a)	Salary	3,70,246.67	
(b)	Dearness Allowance	1,32,359.51	
(c)	House Rent Allowance	1,24,741.20	
(d)	Compensatory Local Allow.	8,563.81	
(e)	Washing Allowance	5,400.00	
(f)	Medical Allowance	11,810.06	

Sr. No.	Particulars	Rs.	Ps.
4.	Sale of Proceeds of Text Books in Regional Language and in Hindi	170.00	
5.	Packing, Forwarding and Miscellaneous charges	770.52	
6.	Sale Proceeds of Question Papers	18,111.60	
7.	Sale of Valmiki Ramayana	14,500.00	
VII	Miscellaneous Receipts	6,61,383.57	
VIII	Sheth U.P. Ayurvedic Research Unit	1,82,806.83	
1.	State Government Grants		
2.	Income from Out-patient Ward	2,038.25	
3.	Excess Recurring Expenditure met from Ayurvedic Research Fund	1,80,768.58	
IX	Refund of Insurance Premium on Insurance of Building, Equipments, Books etc.	9,009.00	

Sr. No.	Particulars	Rs.	Ps.
4.	University Contribution to P.F.	21,073.00	
5.	Contribution to Gratuity Fund	--	
6.	Encashment of Leave	17,441.16	
7.	Leave Travel Concession	--	
8.	Adhoc Bonus	93,389.00	
9.	Encashment of Leave Travel Concession	--	
IX.	Maintenance of Gardens	5,92,468.77	
(a)	Salary	2,78,274.88	
(b)	Dearness Allowance	92,157.70	
(c)	House Rent Allowance	51,550.00	
(d)	Compensatory Local Allow.	5,770.00	
(e)	Washing Allow.	3,540.00	
(f)	Medical Allowance	8,670.00	
(g)	Encashment of Leave	10,526.16	
(h)	leave Travel Concession	2,064.00	
(i)	Contingencies	87,597.58	
(j)	Temporary Labour	47,378.45	
(k)	Pipe Line	4,940.00	
(l)	Encashment of Leave Travel Concession	--	
(m)	Adhock Bonus	--	
X.	Games sports and Student's Welfare and other Activieis	26,57,968.61	
(a)	Games Sports and Department of Physical Education	14,59,527.85	
(b)	Annual Grant to the Union	1,000.00	
(c)	Grant to the Union for Badminton	1,700.00	
(i)	Grant for Youth Welfare Activeiies	5,000.00	
(ii)	International Youth Year	--	
(d)	Grant to the Union for Celebration the University Week	--	
(e)	Proceeding amounting and		

Sr. No.	Particulars	Rs.	Ps.	Sr. No.	Particulars	Rs.	Ps.
	B/F.....	13,88,33,453.67			Recreational Facilities to N.C.C. Cadets and Officers and Other charges		--
				(f)	Medical Inspection of Students	52,284.31	
				(g)	Hobby Workshop		--
				(h)	University Health Centre	6,99,962.66	
				(i)	Faculty Gymkhana Fees paid to the Faculties	1,21,353.00	
				(j)	Union Fees paid to the Union	2,46,180.74	
				(k)	Students Safety Fees paid	70,960.05	
				XI.	Miscellaneous (A, B, C)	21,48,924.05	
				(A)	MEMBERSHIP AND CONTRIBUTION	57,991.00	
				(a)	Association of Indian Universities, New Delhi	19,000.00	
				(b)	Association of Universities of Common Wealth	31,341.00	
				(c)	Other Bodies	7,650.00	
				(d)	Inter University Sports Board Membership		--
				(B)	OFFICE EQUIPMENT	55,004.35	
				(a)	Deadstock and Equipment		--
				(b)	Repairs	55,004.35	
				(c)	Replacement of Gestetner Duplicator, Typewriters and other Deadstock items		--
				(C)	OTHER ITEMS	20,35,928.70	
				(a)	Extra Mural Work	4,472.40	
				(b)	Books and Journals and Newspapers	6,058.20	
				(c)	Grants to Societies and Journal		--
				(d)	Legal Charges	65,250.00	
				(e)	Electric Energy and Appliances	2,11,729.43	
				(f)	Telephones	1,17,730.30	
				(g)	Advertisements	1,65,619.95	
				(h)	Uniforms	6,310.00	
				(i)	Maintenance of University Vehicle (V-C's Car)	66,643.69	
				(j)	Misc./Unforeseen Items		--
	C/F.....	13,88,33,453.67					

Sr. No.	Particulars	Rs.	Ps.
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B/F..... 13,88,33,453.67

Sr. No.	Particulars	Rs.	Ps.
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(k)	Municipal and Other Taxes	11,47,538.61	
(l)	Convocation and Sundry Expn.	78,904.58	
(m)	Grant for Conferences	2,000.00	
(n)	Vice-chancellor's Sumptuary Grant	6,588.15	
(o)	Contingencies	84,802.13	
(p)	Pro-Vice-Chancellor Sumptuary Grant	2,103.15	
(q)	Vice-Chancellor' Discretionary Grant	2,480.00	
(r)	Dea's allowance for the Faculty of Medicine	916.12	
(s)	Election Expenses	--	
(t)	Bank Charges	2,717.50	
(u)	Maintenance of Staff Car	64,064.49	
(v)	Preparation of new Scarfs	--	
(w)	Trainging Programme for Administrative Staff	--	

XII. Faculties and Institutions 10,30,58,364.96

(A) FACULTIES

(a)	Faculty of Arts	1,15,73,291.00	
(b)	FAculty of Science	2,02,70,969.60	
(c)	Faculty of Edu. & Psy.	47,25,010.58	
(d)	Faculty of Commerce	49,76,278.44	
(e)	Faculty of Management Studies	2,70,323.81	
(f)	(i) Faculty of Technology & Engineering	2,66,09,940.45	
	(ii) Introduciton of Degree Course in Pharmacy	12,90,083.83	
	(iii) part-Time Degree Couse for Diploma students in C.M.E.	3,94,490.24	
(g)	Faculty of Law	8,38,622.85	
(h)	Faculty of Fne Arts	37,63,715.37	
(i)	Faculty of Home Science	63,73,033.90	
(j)	Faculty of Social Work	16,26,236.80	
(k)	Faculty of Performing Arts	42,99,558.01	

(B) INSTITIONS

C/F..... 13,88,33,453.67

Sr. No.	Particulars	Rs.	Ps.	Sr. No.	Particulars	Rs.	Ps.
	B/F.....	13,88,33,453.67		(l)	(a) Oriental Institute	9,64,092.27	
					(b) Vishnupuran Project	3,71,038.76	
				(m)	Sanskrit Mahavidyalaya	7,06,351.05	
				(n)	Shri M.K. Amin Arts & Science College & College of Commerce, Padra	19,81,757.93	
				(o)	(a) Polytechnic	1,01,45,457.03	
					(b) Extended Diploma Courses in Civil, Mechanical & Elect. Engineering	3,65,751.30	
					(c) Additional intake of 100 students (Extended Diploma in Civil, Mechanical and & Electrical Engg. course	32,413.60	
					(d) Five Semester post Higher Secondary (Std.XII) Science Stream Diploma courses in Civil, Mechanical & Elect. Engineering	9,46,133.30	
				(p)	Centre of Advanced Study in Education	5,33,814.84	
				XIII.	(a) Smt. Hansa Mehta (University) Library	54,64,400.03	
					(b) Sir Sayajirao Memorial Trust (University) Library	1,35,700.11	
				XIV.	University Guest House	1,07,867.70	
				XV.	University Auxiliary Services	42,32,417.57	
					(a) M.S. U. of Baroda Press	26,31,951.48	
					(b) M.S.U. Stationery Unit	14,66,632.24	
					(c) M.S. U. Publication Unit	1,33,833.85	
				XVI.	Hall of Resident for Students	43,19,540.39	
				XVII.	Sheth U.P. Ayurvedic Research Unit	1,82,806.83	
				XVIII.	Vth Plan Posts (Completed Sechem)		
					(a) Vth Plan Posts for the Faculty of Techn. & Engineering		--
	C/F.....	13,88,33,453.67		XIX.	Cost of Card Punching and Verification Stationery Computer time		

XX

Sr. No.	Particulars	Rs.	Ps.
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B/F..... 13,88,33,453.67

ADD: Excess of Disbursement
over Receipts i.e. Deficit 29,43,483.83

GRAND TOTAL 14,17,76,937.50

Sr. No.	Particulars	Rs.	Ps.
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etc. for computerization of
University Pay Roll 95,521.63

XX. Deadstock, Equipment & Replacement of University Office, Faculties and Institutions 2,40,733.69

XXI. (a) Payment of Pension 15,32,598.08

(b) Payment of Commuted Value of Pension of Non-Teaching Staff 2,86,506.66

XXII. Visiting Professors in Various Faculties 16,125.00

XXIII. Expenditure against the Insurance paid of Faculty & Institutions 4,680.00

XXIV. Chargeable to State Govt. Grant for Polytechnic Building Petrochemical Department 3,98,838.48

GRAND TOTAL 14,17,76,937.50

Grants for Development & Res. Scheme 1989 -90

Sr.No.	Name of the Scheme	Grants	
		Rs.	Ps.
1.	University Grants Commission		
	(a) Recurring Exp.	87,68,225.70	
	(b) Books	16,90,000.00	
	(c) Const. of Build	3,00,000.00	
			1,07,58,225.70
2.	Govt. of Gujarat		
	(a) Recurring	2,307.69	
	(b) Build	2,08,334.00	
	(c) Res. Sch.	94,870.00	
	(d) Dept. of Survey	5,44,135.00	
	(e) Youth Proj.	45,000.00	
	(f) IAS Training	1,42,346.50	
			10,36,993.19
3.	Council of Scientific & Industrial Res.		13,25,822.00
4.	Indian Council of Agricultural Research		2,81,014.00
5.	Association of Indian Universities		15,000.00
6.	Ministry of Education		5,76,258.00
7.	Ministry of H.R.D.		21,17,576.00
8.	Ford Foundation Proj.		9,60,160.28
9.	Dept. of Atomic Energy		2,00,299.00
10.	Ministry of Health & Family Welfare		8,54,001.00
11.	Indian Council of Social Science & Research		88,237.00
12.	Director General Archeology Survey		24,723.00
13.	N C E R T		25,000.00
14.	Indian Council of Medical Res.		25,452.00
15.	Rock Feller Foundation		7,24,270.00
16.	I S R O, Bangalore		37,200.00
17.	Dept. of Science & Technology		18,88,282.00
18.	Dept. of Non-conventional Energy		2,95,000.00
19.	Dept of Electronics		1,51,197.00
20.	Agakhan Foundation		2,14,000.00
21.	I D R C		5,00,258.00
22.	Dept. of Women & Child Development .		8,69,141.10
23.	Other Bodies		35,49,727.05
	TOTAL		2,65,17,836.32

GENERAL EDUCATION CENTRE 1989-90

The information regarding accounts of General Education Centre :

A Amount received under various heads :

1. Auditorium Rent	23,525.00
2. Perishable A/c (i.e. Replacement A/c and it includes amount received for Room, Canteen, Cellar, Retreat and Auditorium maintenance charges as well.)	44,730.00
3. Miscellaneous Income	84.60
4. Amount received under Electric Consumption	26,107.25
5. Amount received under Auditorium Deposit	33,833.00
6. Amount received towards damages caused during the programme	275.00
7. Amount received towards Retreat Deposit	2,500.00
8. Amount received towards Technical & Class IV Service Charges	26,910.00
9. Cycle Stand Deposit	500.00
10. Cycle Stand Token Rent	1.00
11. Cellar Rent	1,035.00
12. Canteen Rent	1,200.00
13. Canteen Technical & Class IV Service Charges	675.00
14. Retreat Technical & Class IV Service Charges	500.00
15. Cellar Deposit	2,500.00
16. Cellar Technical & Class IV Service Charges	465.00

B Amount paid to the University :

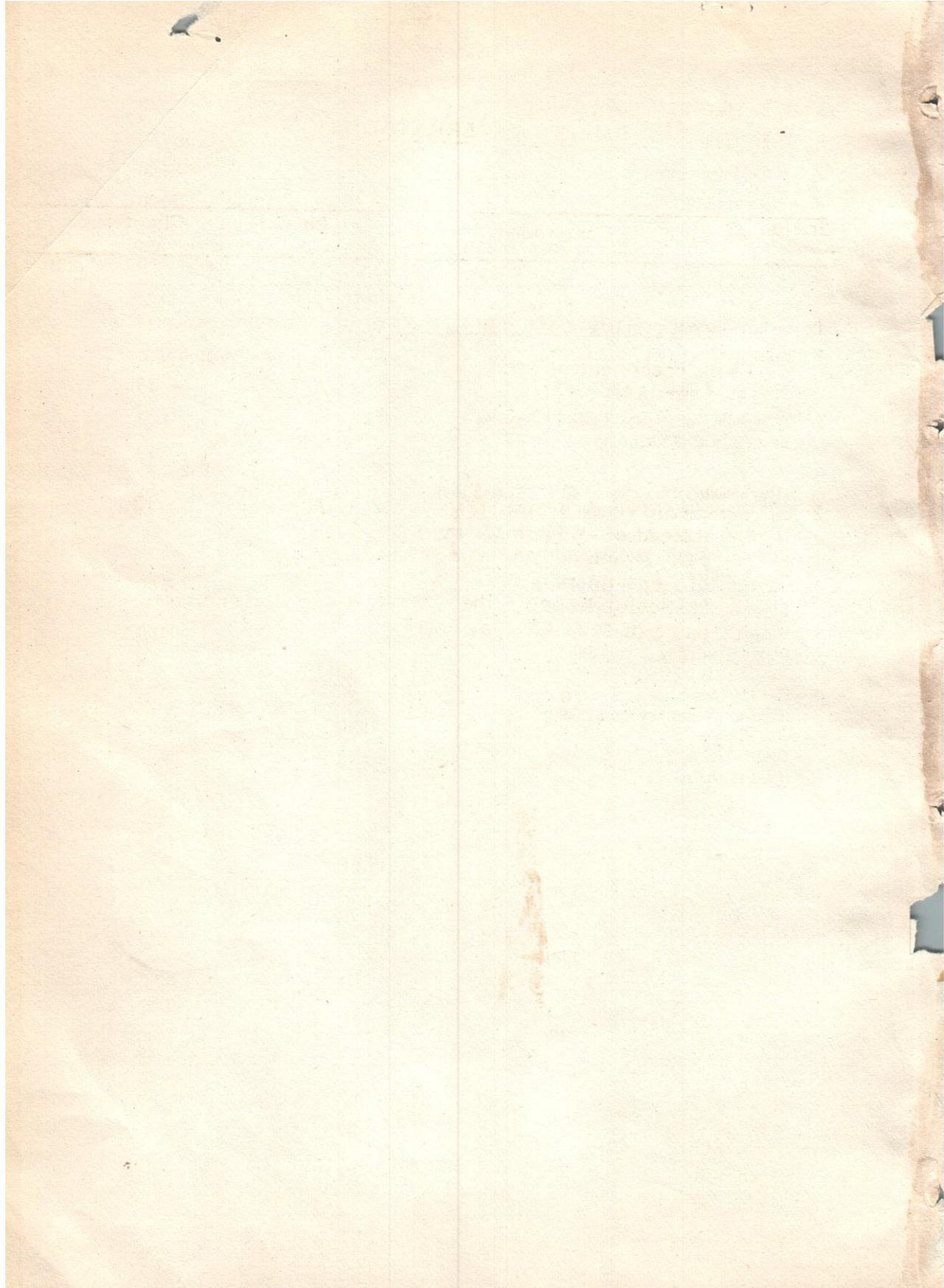
1. Auditorium Rent	19,707.50
2. Electric Consumption	19,909.50
3. Canteen Rent	1,200.00
4. Cycle Stand Deposit	500.00

5. Cycle Stand Token Rent	1.00
6. Cellar Rent	985.00
7. Miscellaneous Income	84.60
8. Suspense A/c.	20.00

Total	42,407.60
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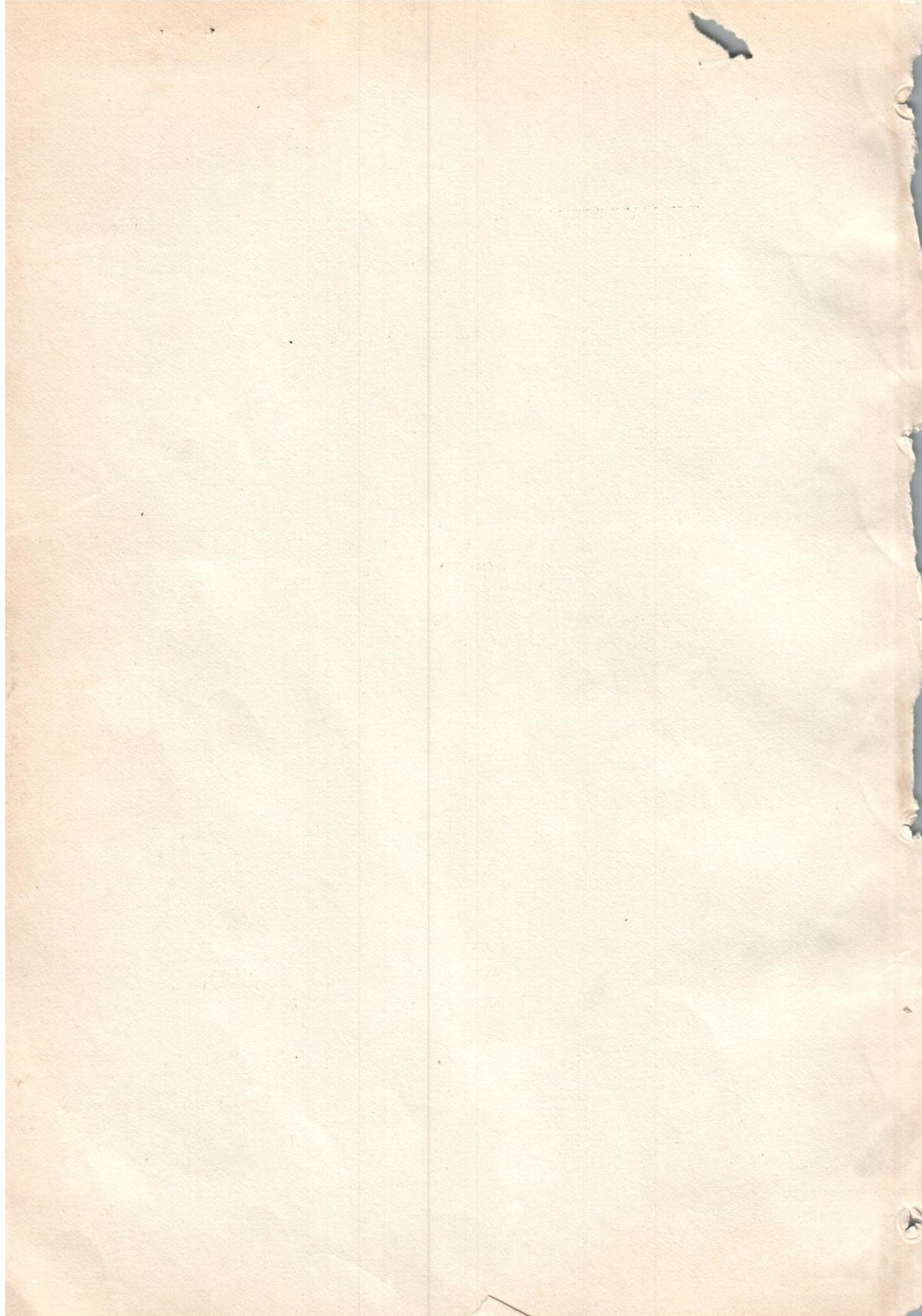
C Balance Amount B.F. from 89-90

1. Auditorium Deposit (Balance of 88-89 is : 8,120.00)	12,930.00
2. Auditorium Technical & Class IV Services Balance of 2,466 from the year 88-89)	4,411.00
3. Perishable A/c. (This includes a balance of 48,772.81 and also balance of 2,130.00 & 2,400 B.F. under room Maintenance & Canteen and Retreat Maintenance Charges from the year 88-89)	88,895.81
4. Damages done during programme (Balance of 88-89 B.F. Is 850.00)	1,750.00
5. Retreat Deposit Charges (Paid to the party on 12.6.90)	500.00
6. Retreat Tech & Class IV Services (Paid to Technicians on 12.6.90)	50.00
7. Cellar Tech & Class IV Services (Paid to staff)	30.00



ERRATA

Sr.No.	Contents	Page No.	Chapter No.
1	• <u>Add:- Title after Point No.4</u> "Department of Foods & Nutrition"	7	13
2	Please read "Painting" instead of "Printing" in para 3 and add the name of Department "Museology" below the name of R.M. Pandya	1	12



म. स. विश्वविद्यालय गीत

अमे वडोदराना विद्यापीठना सपनां सारवनारा
अमे ज्योत जलावी सृष्टि नवली सहसा सर्जनहारा

अमे गगनकुसुम कर धरनारा
अमे मगन मगन थई फरनारा
अगनबाथ अमे भरनारा
अमे दैन्यतिमिरने हरनारा

श्री सयाजी विद्यापीठमां ज्ञानदीप धरनारा
'सत्यं शिवं सुन्दरम्' नो मंत्र अनंतर भणनारा

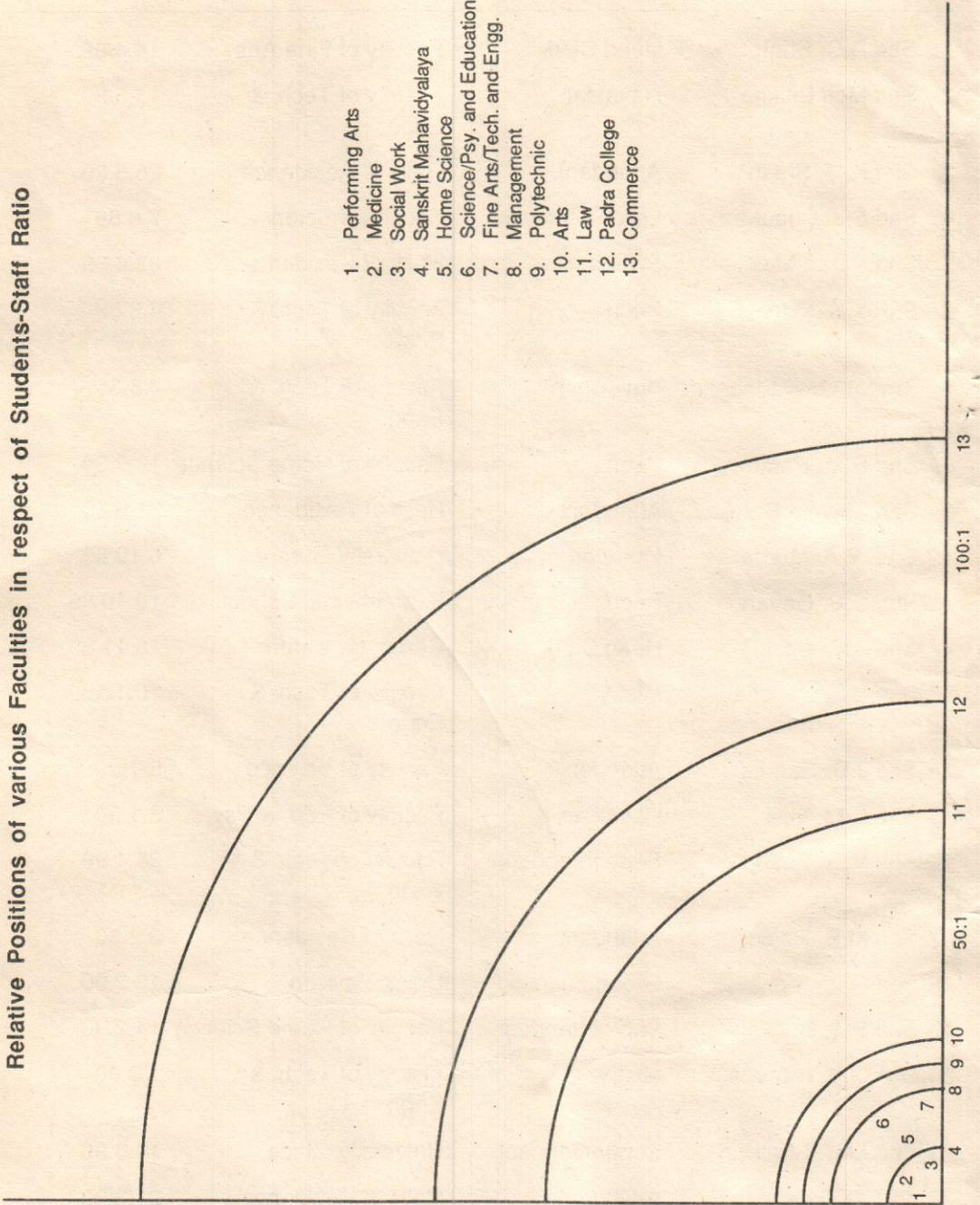
(B) Non-teaching staff

Name	Designation	Institute	Date of Superannuation
1. Shri R.C. Shah	Head Clerk	Faculty of Fine Arts	14.4.89
2. Shri Moti Bhikha	Havaladar	Faculty of Tech. & Engg.	13.5.89
3. Shri K.M. Sheth	Attendant	Halls of Residence	25.5.89
4. Shri S.J. Chauhan	Lab. Technician	Faculty of Science	7.6.89
5. Shri Puran Mansukh	Sweeper	Halls of Residence	22.6.89
6. Shri Y.S. More	Peon	Faculty of Tech. & Engg.	4.8.89
7. Smt. A.G. Wadhankar	Waterman	Faculty of Tech. & Engg.	4.8.89
8. Shri R.M. Patanwadia	Peon	Faculty of Home Science	12.9.89
9. Shri Shivala Ramji	Attendant	Halls of Residence	21.9.89
10. Smt. Y.A. Mehta	Librarian	University Library	6.10.89
11. Shri C.B. Gavande	Peon	Experimental School	10.10.89
12. Shri A.C. Shukla	Head Clerk	Computer Centre	16.11.89
13. Shri B.S. Panchal	Mistry	Faculty of Tech. & Engg.	10.12.89
14. Shri J.B. Gandhi	Attender	Faculty of Science	5.1.90
15. Shri C.M. Mali	Havaladar	Faculty of Edu. & Psy.	8.1.90
16. Shri V.G. Shah	Superintendent	Faculty of Tech. & Engg.	28.1.90
17. Shri M.B. Rajput	Attendant	Halls of Residence	3.2.90
18. Shri B.B. Jadhav	Groundman	Union Pavilion	12.2.90
19. Shri S.T. Chokshi	Superintendent	Faculty of Home Science	14.2.90
20. Shri G.V. Chavda	Mistry	Faculty of Tech. & Engg.	7.3.90
21. Shri M.K. Shah	Superintendent	University Office	14.3.90
22. N.L. Gurkha	Attendant	Halls of Residence	21.3.90

We wish them a happy retired life.

Relative Positions of various Faculties in respect of Students-Staff Ratio

1. Performing Arts
2. Medicine
3. Social Work
4. Sanskrit Mahavidyalaya
5. Home Science
6. Science/Psy. and Education
7. Fine Arts/Tech. and Engg.
8. Management
9. Polytechnic
10. Arts
11. Law
12. Padra College
13. Commerce



RETIRED

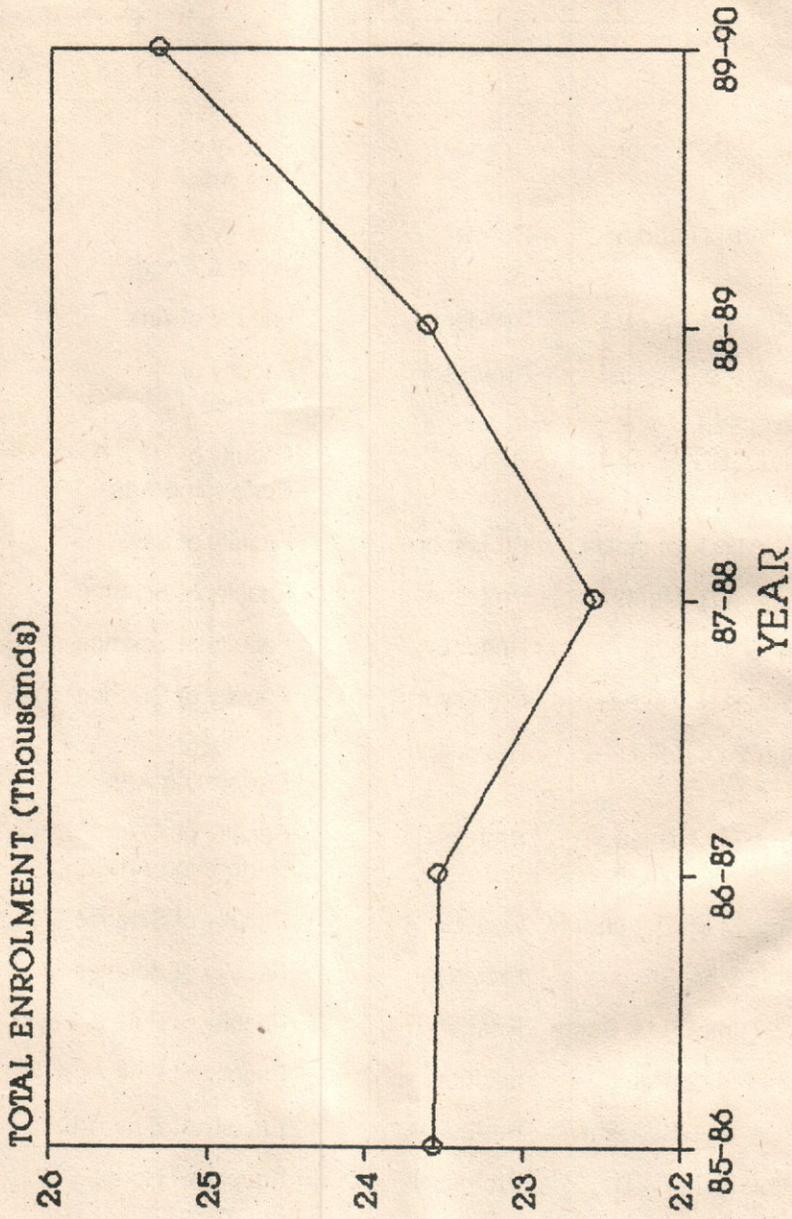
The following persons retired from the University Services during the year :

(A) Teachers

Name	Designation	Institution	Date of Superannuation
1. Shri V.P. Trivedi	Reader	Faculty of Fine Arts	30.4.89
2. Dr. A.P. Nerurkar	Reader	Faculty of Tech. & Engg.	30.4.89
3. Kum. S.J. Munshi	Reader	Faculty of Arts	31.5.89
4. Prof. V.V. Modi	Professor	Faculty of Science	31.5.89
5. Shri S.L. Kathak	Reader	Faculty of Performing Arts	31.5.89
6. Prof. H.C. Dholakia	Professor	Faculty of Law	31.8.89
7. Prof. A.R. Mehta	Professor	Faculty of Science	31.8.89
8. Dr. S. S. Lele	Reader	Faculty of Science	31.8.89
9. Prof. K.N. Trivedi	Professor	Faculty of Science	31.8.89
10. Shri Y.D. Kelkar	Reader	Faculty of Performing Arts	21.10.89
11. Prof. M. J. Bhatt	Professor	Faculty of Performing Arts	21.10.89
12. Smt. M.M. Deodhar	Lecturer	Faculty of Science	21.10.89
13. Prof. V.M. Shah	Professor	Faculty of Science	21.10.89
14. Dr. (Smt.) P.M. Buch	Reader	Faculty of Edu. & Psy.	21.10.89
15. Kum. K.G. Patel	Lecturer	Faculty of Fine Arts	31.10.89
16. Prof. V.H. Bedekar	Professor	Faculty of Fine Arts	30.11.89
17. Prof. (Smt.) A.B. Verma	Professor	Faculty of Home Science	15.3.90
18. Shri A.L. Redey	Lecturer	Faculty of Science	31.10.88

* Name at Sr. No. 18 was not covered in the previous Annual Report.

ENROLMENT OF STUDENTS IN THE UNIVERSITY (1985-86 TO 1989-90)



(iii) West Zone (A) Inter University Football Championship tournament was hosted by the M. S. University from 7th November to 13th November 89 in which total 15 teams participated.

CONSTRUCTION ACTIVITIES

The construction committee for 1989-90 consisted of the following members :

- (1) Prof. S.K. Damle, Convener
- (2) Shri Subodhbhai Patel - Member
- (3) Shri B. B. Nanavati - Member
- (4) Shri Vallabhraman - Supdt. Engg. R & B, Baroda
- (5) Shri S.G. Desai - Member
Executive Engineer, R & B Div., Baroda
- (6) Shri M. N. Kantharia - Member
- (7) Shri S. P. Shah - Member
- (8) Shri T.J. Chokshi - Member - Secretary

(A) Capital Works

Amount Spent

- | | |
|--|------------------|
| (i) Various Buildings of VIth Plan and some of VIth & VII Plan | Rs. 36 Lakhs |
| (ii) Water Management Training Institute, Samiala; Bio-technology; Reconstruction of Collapsed building of Polytechnic | Rs. 23. 29 lakhs |
| (iii) Works of other departments | Rs. 19.88 lakhs |

(B) Ordinary repairs

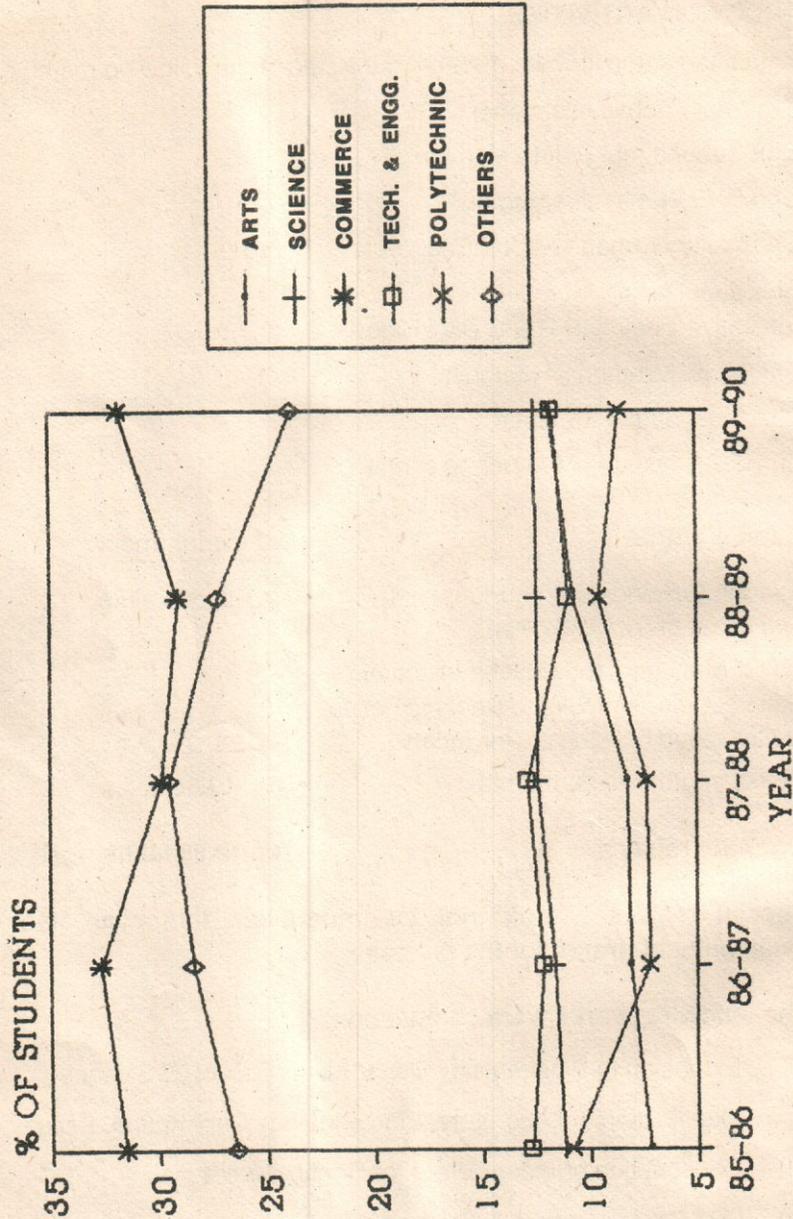
Rs. 19.88 lakhs

(C) **Special repairs : could not be undertaken this year also due to non-availability of grants for the purpose.**

(D) The following works were completed :

- (i) Extension to Biochemistry Department, Faculty of Science
- (ii) Modification of Laboratory, Biotechnology Department, Faculty of Science
- (iii) Construction of Indoor Ward for Health Centre
- (iv) Five Cycle sheds at various Hostels & Faculties
- (v) Building for department of Textile Chemistry and shed for Department of Textile Engineering.

% OF STUDENTS IN VARIOUS FACULTIES (1985-86 TO 1989-90)





"Chandramauliswara Kuravanji" Department of Dance - February, 1990.



Students at Fine Arts



Miss. Sujata K. Salvi, Best Player
in Inter University Kho-Kho
tournament at Gujbara and in
National Kho-Kho Championship at
Jalgon.



Mr. Vipul S. Patel - Skater
Represented India at Asian Cham-
pionship, China.



Miss. Annapurna Chauhan -
Bronze Medalist in Inter-University
Judo Championship at Nasik.

IMPROVEMENT OF FACILITIES AND WELFARE MEASURES

During the year the Syndicate approved a number of schemes for improvement of facilities and for welfare :

(A) For Students :

- (i) Acceptance of U.G.C. grant of Rs. 22 lakhs towards development of Sports infrastructure.
- (ii) Approval of plans and estimates of Rs. 3.6 lakhs for A.I.C.S. Training Centre
- (iii) Conversion of staff quarters of Hansa Mehta, Sarojinidevi and Pandita Gargi Halls of Residence into student's rooms.
- (iv) Approval of plans and estimates of Rs. 4 lakhs for Ladies' Common Room, Faculty of Arts.
- (v) Acceptance of donation of Rs. 20,000/- from Shri Dinesh Foundation for P.A. System etc. for Faculty of Commerce
- (vi) Approval of the work of Swimming Pool at Sports Pavilion's and 'Gymnasium Hall' at Pavilion Ground.
- (vii) Increase in stipend to students of Sanskrit Mahavidyalaya for different courses.
- (viii) Purchase of Shriram Honda Generators for four Ladies' Hostels

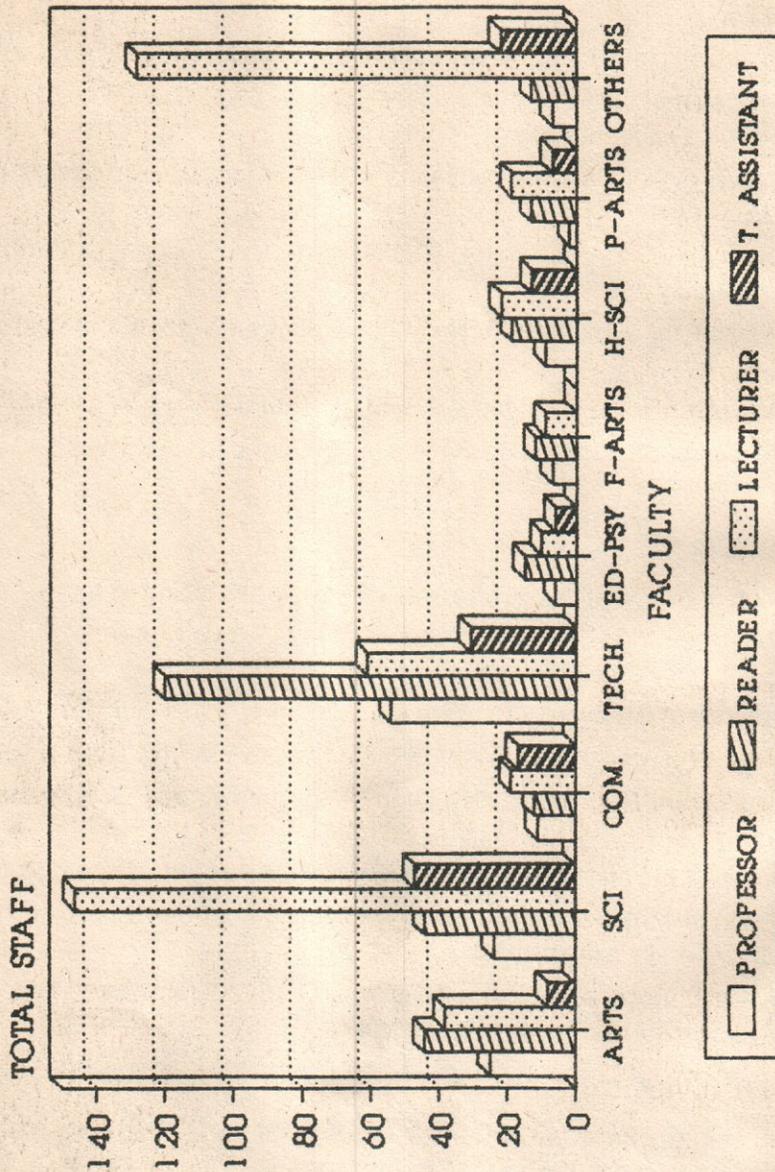
(B) For Staff :

- (i) Sanction of examination allowance of 10% to Non-teaching staff.
- (ii) Acceptance of G.R. regarding encashment of Earned Leave to teaching and non-teaching staff at the time of retirement, resignation and death etc.
- (iii) Acceptance of donation of Rs. 70,000/- from Bank of India for "Best Teacher Award."
- (iv) Revision of pay scales of Nurses at the University Health Centre
- (v) Conversion of Ford Foundation quarters at Chameli Bag Guest House into Ladies' Staff Quarters.
- (vi) Approval of enhanced rates of remuneration for Part-time degree-diploma courses
- (vii) Revision of scales of remuneration to Chairman of Boards of Examination and Examiners at University examinations.
- (viii) Payment of Honorarium to the Chief Warden, Dy. Chief Warden and Wardens of the Halls of Residence at 20% of their basic salary.

IMPORTANT EVENTS

- (i) Smt. Mrinalini Sarabhai of Darpan Academy of Performing Arts, Ahmedabad, delivered four lectures under 'the Tagor Chair in Humanities' at the Faculty of Performing Arts on March 8.9.1990.
- (ii) The University participated in the 9th World Book Fair at Delhi in February, 1990, through the Gujarat Book Fair (Ahmedabad)

TEACHING STAFF IN VARIOUS FACULTIES (IN YEAR 1989-90)



Faculty of Medicine	1	1	2
Faculty of Tech. & Engg.	14	1	15
Faculty of Home Science	-	8	8
Faculty of Social Work	-	1	1
Faculty of Fine Arts	-	1	1
Total :	41	28	69

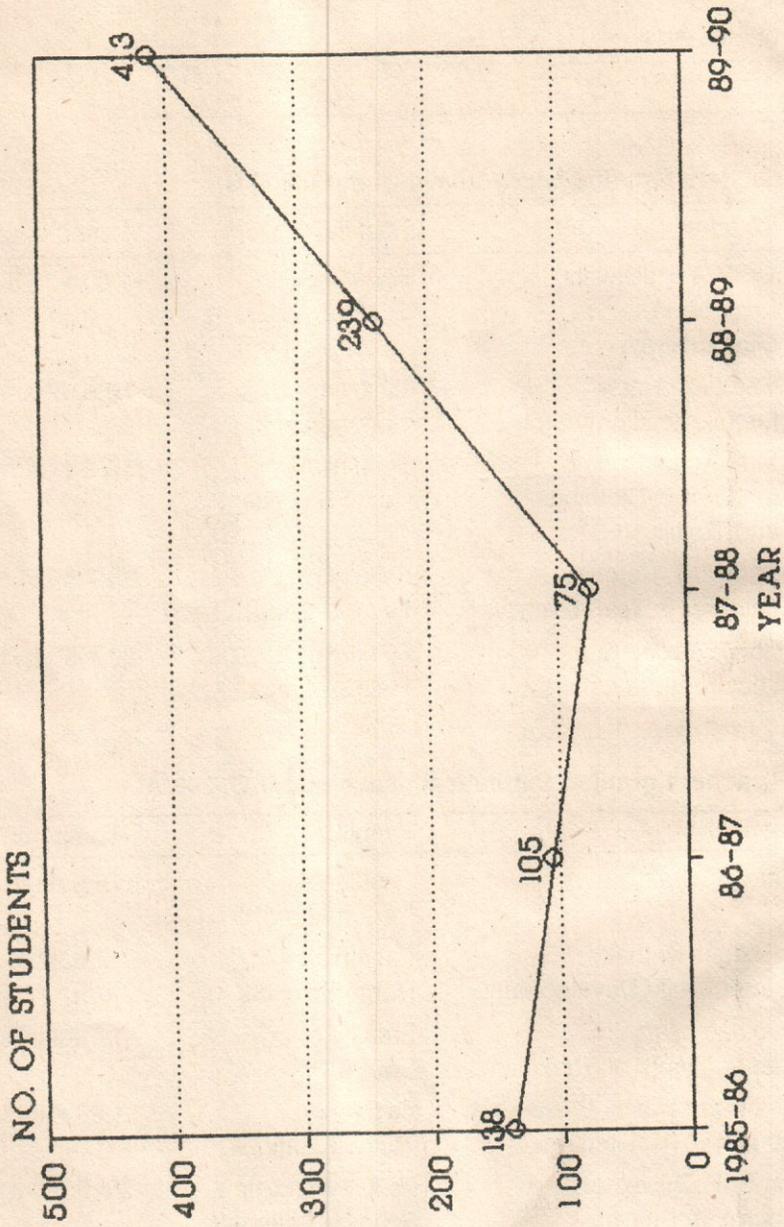
(A) Teachers Granted Study Leave Under 0.209 B

Sr.No.	Teacher	Faculty	Period of Leave
1.	Dr. V.A. Palejwala, Lecturer in Microbiology	Faculty of Science	1.5.89 to 30.4.90
2.	Shri G.S. Patel Lecturer in Commerce	Faculty of Commerce	28.6.89 to 28.2.90
3.	Mrs. Amita Pandya Lecturer in Clothing and Textile	Faculty of Home Science	1.7.89 to 31.12.90
4.	Shri P. C. Patel Lecturer in Text. Engg.	Faculty of Tech. & Engg.	20.7.89 to 19.7.91
5.	Shri S. K. Datta, Lecturer in Metallurgy	Faculty of Tech. & Engg.	20.7.89 to 19.7.90

(B) Teachers granted Sabbatical Leave under O. 209 A

Sr.No.	Teacher	Faculty	Period of Leave
1.	Shri J.K. Bhatt	Faculty of Performing Arts	19.6.89 to 18.6.90
2.	Dr. Yogini Pathak, Reader, Child Development	Faculty of Home Science	19.6.89 to 18.6.90
3.	Dr. J.J. Gajjar Reader, Deptt. of Education	Faculty of Edu. & Psy.	1.7.89 to 30.6.90
4.	Miss Usha Desai Lecturer in Architecture	Faculty of Tech. & Engg.	1.9.89 to 31.7.90
5.	Shri S. P. Sylvester, Lecturer in English	M. K. Amin Arts & Science College & College of Commerce, Padra.	25.9.89 to 24.10.90

NUMBER OF FOREIGN STUDENTS IN THE UNI. (DURING LAST FIVE YEARS)

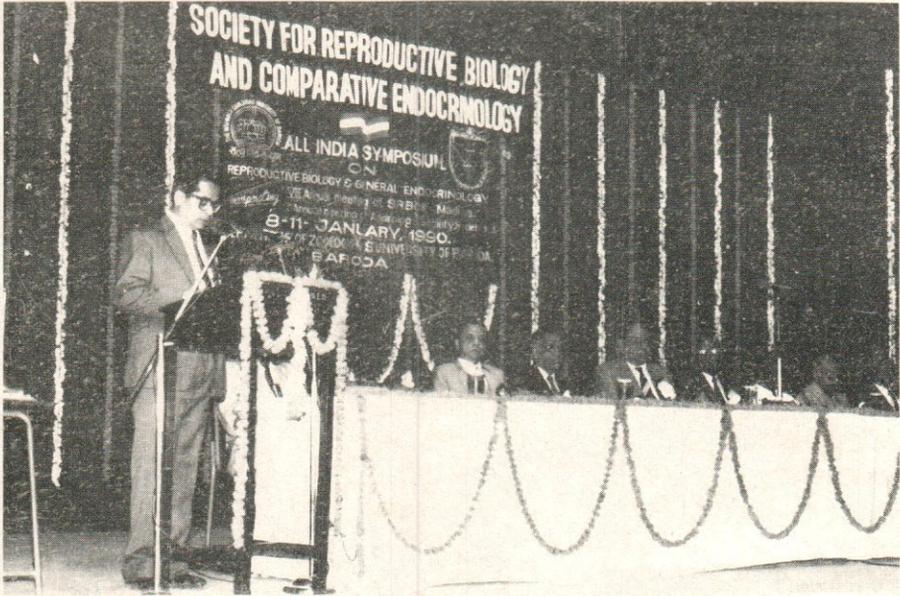




Chancellor, Vice-Chancellor, Chief Guest, with the Pro-Vice-Chancellor and Dy. Registrar at the Convocation



A view of the invitees and graduates at the 38th Convocation.



Prof. P.M. Ambadkar, Head, Department of Zoology, welcoming the chief guest (8th January, 1990) at the All India Symposium organised by Society for Reproductive Biology and Comparative Endocrinology.



International Folk Art Festival Austria (Kiegenfurt), Faculty of Performing Arts, Aug. '89.

Rs. 25,000/- Miss Anupama Malik Memorial Gold Medal

Rs. 10,000/- N.J. Mehta Charitable Trust

Rs. 6,500/- National H.R.L. Network Cash Prize

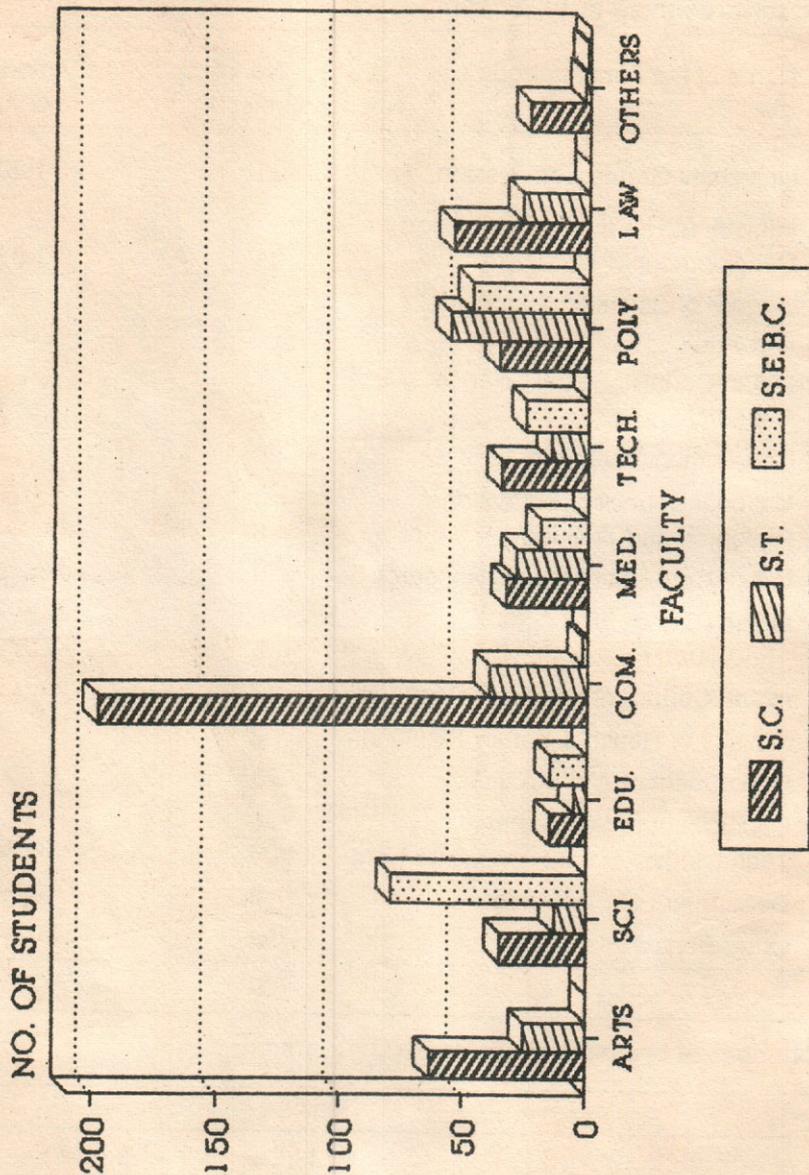
(A) Number of Development and Research Schemes in the University and Grants received towards them in 1989-1990

Sr. No.	Name of the Funding Body	No. of Projects	Amount received during the year
1.	University Grants Commission	422	1,32,02,931.34
2.	Ministry of Human Resource Development	24	1,02,01,619.50
3.	Council of Scientific & Industrial Research	79	2,51,761.30
4.	Indian Council, Social Science Research	27	1,04,703.00
5.	Government of Gujarat	26	2,39,646.50
6.	National Council of Educational Research and Training	8	-
7.	Indian Council of Medical Research	9	5,62,878.00
8.	Indian Council of Agricultural Research	6	3,36,882.70
9.	Indian Council of Historical Research	17	4,500.00
10.	Ministry of Health & Family Planning	3	8,07,200.00
11.	Department of Atomic Energy	23	89,500.00
12.	Department of Science and Technology	25	36,64,274.00
13.	Department of Electronics	4	1,59,928.00
14.	Other Bodies	92	84,99,782.28
Total		765	3,81,35,606.62

(B) Number of Students awarded Ph.D. Degree

	Males	Females	Total
Faculty of Arts	4	4	8
Faculty of Science	17	8	25
Faculty of Education and Psychology	4	4	8
Faculty of Commerce	1	-	1

NO. OF STUDENTS BELONGING TO SC/ST/SEBC (IN VARIOUS FACULTIES DURING 1989-90)



FINANCIAL ASSISTANCE

(A) Grants : The following grants were accepted by the Syndicate during the year :

Rs. 22 lakhs	:	From U.G.C. for sports infra-structure under N.S.C. Programme
Rs. 25 lakhs	:	From U.G.C. for D.R.S. to the Department of Metallurgy
Rs. 7 lakhs	:	From U.G.C. for Computer Centre
Rs. 16 lakhs	:	From U.G.C. as Non-Recurring grant for special assistance programme to the Department of Zoology
Rs. 6 lakhs	:	From U.G.C. as Recurring grant for Special Assistance Programme to the Department of Zoology
Rs. 2.3 lakhs	:	From H.R.D. Ministry, Government of India for interaction to Polytechnic.
Rs. 1.22 lakhs	:	Additional grant for Polytechnic
Rs. 7.00 lakhs	:	From H.R.D. Ministry, Government of India for modernisation and removal of obsolescence in technological Laboratories and Work-shops in Polytechnic
Rs. 5 lakhs	:	For Nuclear Physics Laboratory in Physics
Rs. 1.03 lakhs	:	Additional grant for Industry - Institute interaction to Faculty of Technology and Engineering
Rs. 5 lakhs	:	From Government of Gujarat for establishment of "Nehru Chair."

Total Rs. 97.55 lakhs

Over and above this Syndicate also accepted financial assistance from U.G.C. for

- (i) D.S.A. Programme to the Department of Social Work, and
- (ii) D.R.S. Programme to the Department of Chemistry

(B) Donations : The Syndicate accepted :

Rs. 70,000/- From Bank of India for 'Best Teacher Award'

Rs. 20,000/- From Managing Trust, Shri Dinesh Foundation, Baroda for P.A. System etc. to Faculty of Commerce

One Photo-copier Machine : From Gujarat Alkalies and Chemicals, p.o. Petro-chemicals

(C) Endowments : The following amounts were accepted :

Rs. 25,000/- Dr. Rekha Dhru Memorial Gold Medal

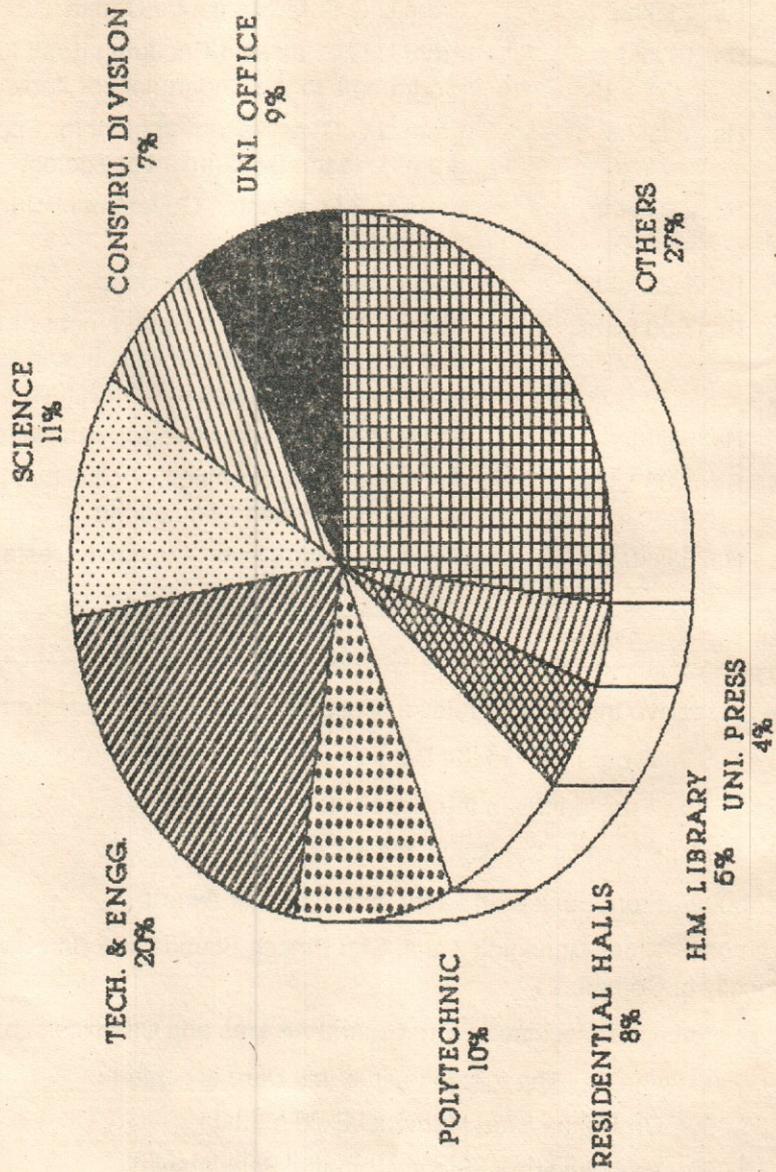
Rs. 12,000/- Prof. Justina A. Singh Memorial Scholarship

Rs. 25,000/- Rupal K. Engineer Memorial Gold Medal

Rs. 50,000/- Dr. S.J. Shah Gold Medal

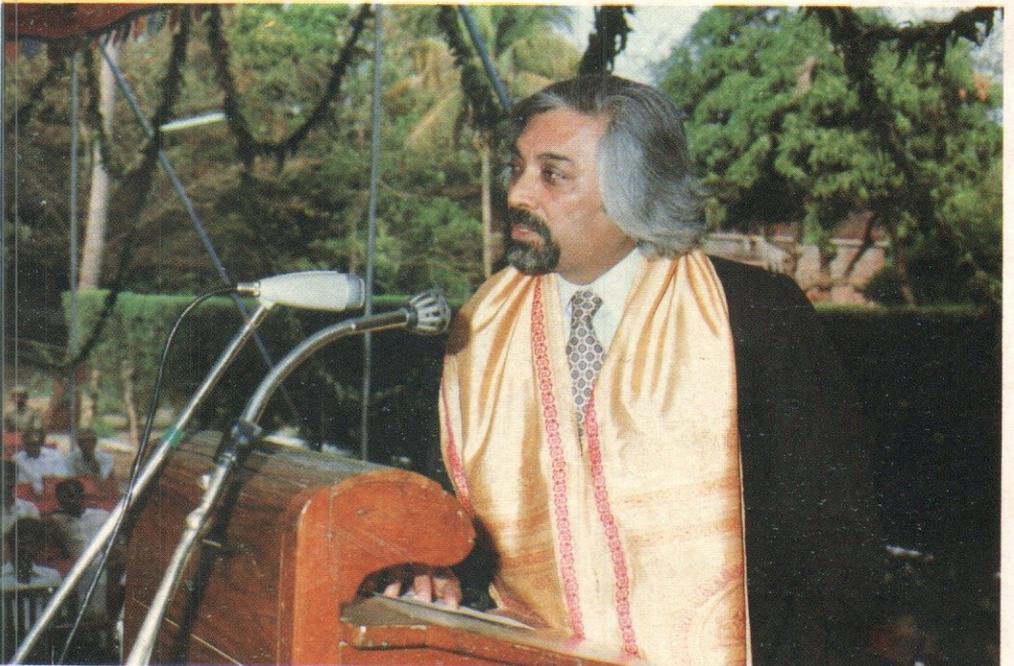
Rs. 10,000/- Chandrashankar Narmadashankar Pandya Memorial Prize

NON-TEACHING STAFF IN THE UNIVERSITY (FOR YEAR 1989-90)





Chancellor Dr. Mrunalinidevi Puar addressing the 38th Convocation



Mr. Sam Pitroda, Chief Guest, delivering the Convocation address.



National Building organization workshop on modular co-ordination and prefabrication. - Feb. 22 - 23, 1990. Dept. of Architecture.



His Excellency Shri R.K. Trivedi, Governor of Gujarat, inaugurating the 24th National Conference of Association of Plastic Surgeons of India on 1st Sept, 1989 held at General Education Auditorium.

An Overview

INSTITUTIONS OF THE UNIVERSITY

Faculties

- | | |
|--|-----------------------------------|
| 1. Faculty of Arts | 7. Faculty of Fine Arts |
| 2. Faculty of Science | 8. Faculty of Home Science |
| 3. Faculty of Education and Psychology | 9. Faculty of Social Work |
| 4. Faculty of Commerce | 10. Faculty of Law |
| 5. Faculty of Medicine | 11. Faculty of Performing Arts |
| 6. Faculty of Technology and Engineering | 12. Faculty of Management Studies |

Constituent and Recognised Institutions

13. Oriental Institute
14. Baroda Sanskrit Mahavidyalaya
15. M. K. Amin Arts and Science College and College of Commerce, Padra
16. Polytechnic
17. Museum and Picture Gallery
18. Centre for Continuing/Adult Education and Community Services

A NUMBER OF STUDENTS

	Males	Females	Total
University Students	14449	10864	25313
Non-University Students	1197	742	1939
Foreign Students	319	106	425

Backward Class Students

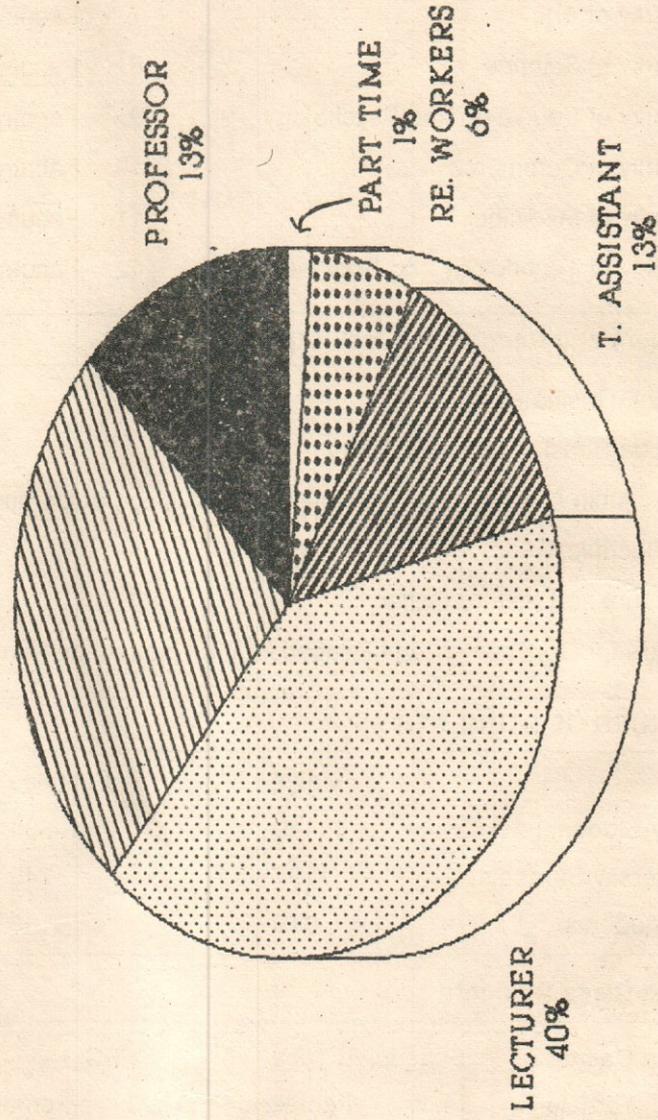
Scheduled Castes		Scheduled Tribe		SEBC		Disabled	
Male	Female	Male	Female	Male	Female	Male	Female
337	157	162	50	144	45	18	3

B Teaching Staff

Total - 1126 (Excluding Teachers in Medical College)

TEACHING STAFF IN THE UNIVERSITY
(YEAR 1989-90)

READER
26%



LECTURER
40%

T. ASSISTANT
13%

PROFESSOR
13%

PART TIME
1%

RE. WORKERS
6%

Professors	: 145	Teaching Assistants	: 151
Readers	: 292	Part - Time	: 16
Lecturers	: 452	Honorary Research and others	: 70
	<u>889</u>		<u>237</u>

Out of which, there are

	S.C.	S.T.	SEBC	Physically Disabled
Professors	1	1	1	-
Readers	4	-	3	1
Lecturers	6	1	12	-
Total	11	2	16	1

C. Non-Teaching Staff

Total : 1755

Officers : 59

Clerks/ Technicians : 957

Class IV : 739

Out of which there are :

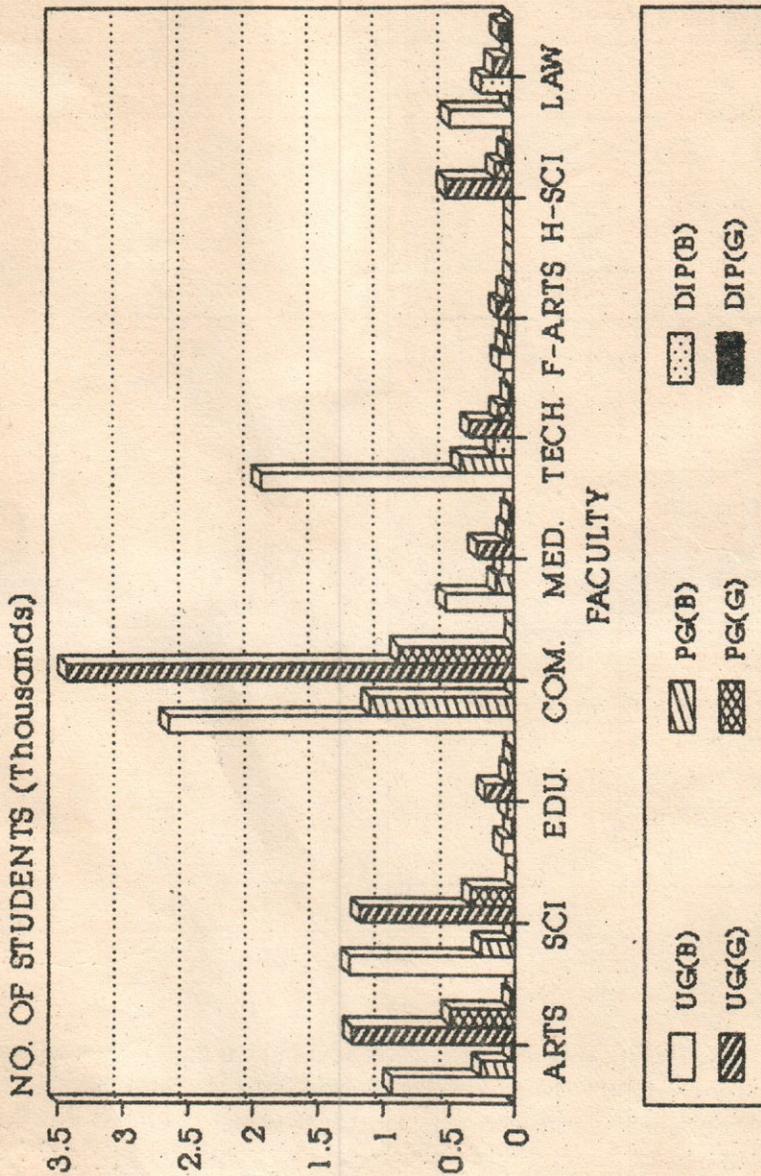
	S.C.	S.T.	SEBC	Physically Disabled
Officers (Class II)	1	1	2	-
Class III (Clerks/Technicians)	16	9	40	3
Class IV	139	44	40	-
Total	156	54	82	3

CONVOCATIONS

(i) The Thirty-Eighth Annual Convocation was held at the University Garden on Saturday, February 17, 1990. The Chancellor presided and Mr. Sam Pitroda, Chairman, Telecommunication Commission who was the Chief Guest delivered the Convocation Address.

(ii) The Twenty-ninth supplementary Convocation was held on August 29, 1989 in the General Education Auditorium. The Vice-Chancellor presided.

NO. OF STUDENTS IN VARIOUS FACULTIES (SEX - WISE)



PREFACE

41ST ANNUAL REPORT 1989-90

In compliance with Section 24 (2) of the Maharaja Sayajirao University of Baroda Act, 1949, I have the honour of presenting this report to the Senate on behalf of the Syndicate.

Late Prof. R.C. Patel was the Chief Executive of the University for, practically, the whole period of this report - April 1, 1989 to March 31, 1990. His sad and sudden demise in March 1990, left it to me to present this report to the Senate.

An Annual Report presents before us an opportunity to review the state of affairs in the organisation. While expressing satisfaction at the rate of progress in certain areas, we can plan for better acceleration in others. It is a time for stock-taking and for charting out action-plans for the future.

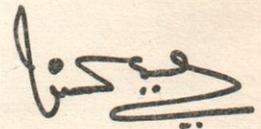
This is the report for the 41st year and the experience gained in the last four decades should help us cope with the increasing rigours in the coming years. In 1998-99, the University will complete fifty years of its existence - an important land-mark in the history of the institution. It is therefore, vital that from now on, the University takes a long term perspective of its objectives and responsibilities and is geared up to be responsive to the emerging needs. The University has areas of excellence and they are increasing as can be seen from the support by funding Agencies to the new areas. We also have 'Grey' areas which will need more attention for growth. Actually, keeping our eyes open to these aspects emerging out of the Annual Report, we should reorient the directions which University should traverse. We shall have then deservedly earned our Golden Jubilee Celebrations at the close of the 20th Century.

It shall be my endeavour to seek support of all the Authorities of the University from Boards of Studies to the Syndicate and the Senate - to start evolving an action-plan which will launch the University on a path of greater glory.

As you know, this requires co-operation from all concerned and from all corners. We should forget small differences and work together with all sincerity and dedication towards this goal for our University of this Sanskar Bhumi of Vadodara.

I am sure that if we - the University Community put our heads together, we are bound to find the right path in a right direction as we approach the 21st Century.

With this appeal and greetings, I am happy to present the report to this august body.



V.C. SHAH
Vice-Chancellor

नमस्ते शारदे देवी सरस्वती मतिप्रदे ।
वस त्वं मम जिह्वाग्रे सर्वविद्याप्रदा भव ॥

obeisance to thee, O Goddess Sharada,
the divine muse of learning, bestower of intelligence.
I pray thee to ever abide in my speech and grant me keen intellect
that penetrates in all branches of knowledge.

41

ANNUAL REPORT 1989 - 90

OVERVIEW



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

OFFICERS OF THE UNIVERSITY 1989 - 90
(i.e. from 1-4-1989 to 31-3-1990)

Visitor
Chancellor
Vice-Chancellor
Pro-Vice-Chancellor
Registrar
Officer on Special Duty
Librarian

Shri R. K. Trivedi, Governor of Gujarat
Dr. (Smt.) Mrunalinidevi A. Paur (From 5.5.89)
Prof. R. C. Patel (Upto 14-3-90) (Expired)
Prof. K. C. Mehta
Shri R. V. Kothari (under suspension)
Shri H. N. Majmudar (From 30.5.89)
Smt. Y. A. Mehta (Upto 31-10-89) (Retired)
Smt. V. A. Amin (Offg. Librarian from 1.11.89)

DEANS

Faculty of Arts
Faculty of Science

Faculty of Education and Psychology

Prof. S. G. Kantawala
Prof. V. M. Shah (Upto 21-10-89)
Prof. S. D. Sabnis (From 22-10-89)
Prof. M. S. Yadav (Upto 22-6-89)
Prof. N. S. Pathak (Off. Dean from 23-6-89)
Prof. N. S. Pathak (Dean 1-7-89)

Faculty of Commerce
Faculty of Medicine
Faculty of Technology & Engineering
Faculty of Law

Prof. A. G. Patel
Prof. (Dr.) B. P. Tamankar
Prof. R. C. Desai

Faculty of Fine Arts
Faculty of Home Science
Faculty of Social Work
Faculty of Performing Arts

Prof. H. C. Dholakia (Upto 31-5-89)
Shri D. S. Naik (Offg. Dean from 1-6-89)
Prof. V. S. Patel
Prof. (Smt.) Tara Gopaldas
Shri S. B. Saxena
Prof. M. J. Bhatt (Upto 31-10-89)
Prof. C. V. Chandrashekhar (From 1-11-89 to 19-3-90)
Prof. V. C. Ranade (l/c Dean from 20-3-90)
Prof. G. C. Beri

Faculty of Management Studies

PRINCIPALS OF COLLEGES

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

Shri N. C. Shukla
Shri G. M. Sheth
Dr. R. D. Pathak

HEADS OF RECOGNISED INSTITUTIONS

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

Dr. R. T. Vyas
Prof. (Miss) Malathi Chakravorty

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The Chancellor, Dr. (Smt.) Mrunalinidevi Puar

Our Chancellor Dr. (Smt.) Mrunalinidevi Puar assumed office in May 1989 . Her appointment by the Government of Gujarat is in keeping with the pursuit of excellence which has been the tradition of this University as laid down by Shrimant Sayajirao Gaekwad.

Dr. (Smt.) Puar has a distinguished academic record to her credit which includes a gold medal at B.Sc. (Home Science) & P.E.O. scholarship, a Mary Hunter scholarship award for graduate studies at Iowa State University. She obtained her Ph. D. degree from M.S. University of Baroda and worked for several years in the Faculty of Home Science.

During recent years Dr. Puar has committed herself to the service of the community and conducted several research projects in the field of nutrition education. In recognition of her contribution to this cause, she has been invited to numerous national and international platforms. Her distinguished services have won her honour and she currently holds the position of President of the Home Science Association of India, the Indian Women Scientists Association and the National Institute of Nutrition Alumni Association. She is also a member of the prestigious Asian Regional Association for Home Economics, the International Federation for Home Economics, and Director Governing Body of the Nutrition Foundation of India and the Institute of Home Economics.

Her involvements are not restricted to professional activities alone. Dr. Puar has taken up the cause of Nature and Wild Life Conservation with a missionary zeal. She is a member of the Commission on Education and Training, the International Union for Conservation of Nature and Natural Resources and the International Society of Naturalists and has been active in promoting support for this cause.

Dr. Puar's achievements are a source of pride and inspiration to the academic community of this University.

EXPIRED

The following persons expired during the year while in the service of the University :

- (1) Prof. R.C. Patel Vice-Chancellor
- (2) Shri V.M. Suthar Head-Clerk, Univ. Office
- (3) Shri S.O. Vyas Sr. Lab. Asstt., Faculty of Edu. & Psy.
- (4) Shri S.G. Shinde Clerk, Polytechnic
- (5) Shri S.K. Shelar Operator, Faculty of Tech. & Engg.
- (6) Shri C.M. Gandole Pagi, Botanical Garden.

The University mourns their demise.

Late Prof. R. C. Patel



Vice-Chancellor [27-04-1988 to 14-03-1990]



HOMAGE by the Senate

The SENATE of the Maharaja Sayajirao University of Baroda places on record its profound shock and deep sorrow at the sad and sudden demise of its Vice-Chancellor Prof. R. C. Patel on Wednesday the 14th March, 1990.

Prof. Patel was born on 10th April, 1931 and initially he passed B. E. Mechanical and B. E. Electrical from Faculty of Technology and Engineering securing 1st Class and 1st Rank. Later he went abroad on a Colombo plan Scholarship to pursue post-graduate studies and passed M. Sc. (Thermodynamics) from University of Birmingham in U. K. and Associateship Examination in Mechanical Engineering of the Royal College of Science and Technology, Glasgow, U.K. Later he was also awarded a UNESCO fellowship in 1964 for further studies which he declined.

He had an humble beginning in the University when he joined Faculty of Technology and Engineering as Lecturer in 1955. He rose through the ranks and became Professor in Mechanical Engineering in 1968. He also held various administrative positions such as Head of the Mechanical Engineering Dept. of Polytechnic, Hon. Dy. Director of the Extended Diploma Course, Principal of Polytechnic, Dean, Faculty of Tech. & Engg., Hon. Director of Part Time Degree Course and Hon. Director of Computer Centre of the University. He provided constructive leadership in all the positions that he held.

He is one of the first Indian authors to write books in the Engineering discipline and one of his books Elements of Heat Engines which is now running in the 14th Edition, has been translated in Hindi by Book Trust of India and is also utilised in the Northern Belt of the country.

His contribution to Technical Education has been immense and he had been the National President of Indian Society of Technical Education continuously for a maximum permissible period of 3 years. During this time he was responsible for establishing a Headquarter building of ISTE at New Delhi, starting of technical assistance to Engineering Colleges by means of Direct Assistance from the Ministry of Human Resource Development with schemes such as Modernisation of Laboratories, Network scheme, Scheme regarding areas of Weakness and Scheme regarding Emerging Areas. He was on the Post-graduate Board of Ministry of Human Resource Development as well as on the Ministry's Board for Management Education. For his services to the technical education the ISTE National Convention felicitated him just last December at Tirupathi.

He achieved two Firsts in this University. He was the first Dean of the Faculty of Technology and Engg. who was the student of the Faculty of Technology and Engg. and later when he became the Vice-Chancellor of the University he was the first Vice-Chancellor who was a student of this University.

Prof. Patel believed that what could be done tomorrow should be done today and what should be done today should be done right - now. He brought this concept into the working of the University and he had visions to raise this University to its pristine glory. Towards this goal he strived till his last breath.

The members of the Senate place on record his many meritorious acts and deeds and pray God to rest his noble soul in peace and convey their heart-felt condolences to the members of the bereaved family.