Section.

सुखार्थी त्यजते विद्यां विद्यार्थी त्यजते सुखम् ।
सुखार्थिनः कुतो विद्या कुतो विद्यार्थिनः सुखम् ॥

One who hankers after happiness gives up learning and
one who desires to pursue learning gives up happiness.
For how can there be knowledge for one who seek, happiness and
how can there be happiness, for the one who pursues knowledge.

42
ANNUAL REPORT
1990-91

DETAILS

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

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PREFACE

42nd Annual Report (1990-1991)

I am happy to present, on behalf of the Syndicate, the Forty-second Annual Report to The Senate.

This is the report of the second year of the Fifth decade of the university and as decided at our meeting last year, a process, to evolve a long-term perspective for the University to meet the demands of increasing needs of education, has been initiated. The process envisages deliberations and discussions amongst different sections of the university community and society, so that the university can prepare itself to meet the challenges of changing times and needs, as it moves towards its Golden Jubilee Year in 1998-1999. The Senate as Supreme Authority of the University, will have to play its role in this landmark assignment.

During the year under review the university received grants totalling about Rs. 300 lakhs for different projects in various faculties of the university from the funding agencies. This includes the research projects in different departments and also funds for removal of obsolescence in Laboratories and Workshops. We also received, as donations, Rs. 25 lakhs for land, building and furniture for a Pharmacy College, Rs. 25 lakhs for land, building and furniture for a Girls' college and a building with furniture, costing about 25 lakhs, for the Institute of Management. We have also received endowments worth more than Rs. 4.5 lakhs for gold-medals, prizes and scholarships, etc. These are the pointers of society's recognition and encouragement to the work this university has been doing over the last 42 years. We hope the university goes from strength to strength and receives social support over the comming years.

The establishment of the 'Information Centre', the 'Women's Study Centre' and 'Canadian Studies Centre' are the additions to our activities.

Due to the pressure of numbers, our centralised examination system has become overloaded. To reduce the load from this system and also from the administration, we have decided to decentralise examinations and the administrative set-up. The decision-making will then become decentralised, – of course, within the policy frame-work laid down by the relevant Authorities of the university. This, together with the computerisation and modernisation, which we have launched upon, is expected to make the systems work faster.

Our activities – Authority-wise, faculty-wise, institution-wise, – are detailed in the

Annual Report for you to discuss and give your suggestions, so that our functioning improves and we face the increasing pressures on our system unitedly.

I greet you to the first meeting of this senate and present this report for your consideration.

V. C. Shah

Vice-Chancellor

1

The Syndicate & The Senate

I. SYNDICATE

The Syndicate consisted of 25 members.

Ex-Officio

1. Prof. K.C. Mehta, Actg. Vice Chancellor (From 15.3.1990 to 3.9.1990)
   Prof. V.C. Shah, Vice-Chancellor (From 4.9.1990)
2. Prof. K.C. Mehta, Pro-Vice-Chancellor (up to 11.10.1990)
   Prof. S.D. Sabnis Pro-Vice-Chancellor (From 18.3.1991)
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 (upto 31.12.1990)
   Prof. P.V. Parikh (From 4.3.1991)
7. Prof. V.S. Patel (upto 3.3.1991)
   Prof. S.D. Sabnis (From 4.3.1991 to 17.3.1991)

One Professor nominated by the Vice-Chancellor

8. Prof. R.J. Mistry

One Principal Elected by the Senate

9. Shri G.M. Sheth (upto 31.12.1990)
   Shri C.D. Panchal (From 4.3.1991)

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 (upto 3.3.1991)
    Shri J.B. Rajput (From 4.3.1991)

12. Shri D.K. Patel (upto 3.3.1991)
    Shri B.Y. Bhatt (From 4.3.1991)
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 (upto 3.3.1991)
    Prof. (Smt.) Veena R. Mistry (From 4.3.1991)

Five Teachers of the University elected by the Senate

17. Dr. (Prof.) R.P. Bhatt (upto 3.3.1991)
    Prof. D.S. Pathak (from 4.3.1991)
18. Shri J.R. Shah
19. Dr. I.D. Bhatt
20. Dr. (Miss) J.P. Mehta
21. Dr. S.R. Pandya (upto 3.3.1991)
    Shri R.J. Shah (From 4.3.1991)

Four persons nominated by the State Government

22. Smt. Arunaben S. Mehta (upto 3.3.1991)
    Shri R.H. Patel (From 4.3.1991)
23. Dr. S.K. Damle (upto 3.3.1991)
    Shri Suren Chokshi (From 4.3.1991)
24. Shri S.S. Patel (upto 3.3.1991)
    Prof. S.K. Shah (From 4.3.1991)
25. Prof. S.N. Chaudhary (upto 3.3.1991)
    Shri D.K. Patel (From 4.3.1991)

During the year 15 meetings of the Syndicate (11 Ordinary + 4 Special) were held at which 508 items were considered and resolutions passed on them.

The following is the list of members of the Senate :

1.	The Chancellor	:	Dr. (Smt.) Mrunalinidevi A. Puar
2.	The Vice-Chancellor	:	Prof. K.C. Mehta (Acting V.C. upto 3.9.1990) Prof. V.C. Shah (From 4.9.1990)
3.	The last Ex-Vice-Chancellor of the University resididng in the State	:	Prof. M.N. Desai
4.	The Pro-Vice-Chancellor	:	Prof. K.C. Mehta upto 11.10.1990 Prof. S.D. Sabnis (From 18.3.1991)
5.	The Registrar	:	Shri R.V. Kothari (under suspension)
6.	The Librarian	:	-
7.	The Director of Higher Education	:	Shri S.D. Sharma (upto 31.12.1990) Shri A.K. Joti (From 1.1.1991)
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 (upto 24.10.1990) Shri A.I. Vahora (From 25.10.1990)
11.	The Director of Employment and Training	:	Shri R.L. Meena

Deans of Faculties :

12.	Dean, Faculty of Arts	:	Prof. S.G. Kantawala (upto 31.12.1990) Prof. M.M. Dadi (From 1.1.1991)
13.	Dean, Faculty of Science	:	Prof. S.D. Sabnis (upto 17.3.1991)
14.	Dean, Faculty of Education & Psychology	:	Prof. N.S. Pathak
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 (upto 31.12.1990) Prof. P.V. Parikh (From 1.1.1991)
18.	Dean, Faculty of Law	:	Shri D.B. Naik (From 27.8.1990 to 6.11.1990) Dr. J.C. Rathod (From 1.1.1991)

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	:	Shri S.B. Saxena
22.	Dean, Faculty of Performing Arts	:	Prof. V.C. Ranade (From 1.5.1990)
23.	Dean, Faculty of Management Studies	:	Prof. G.C. Beri

Principals of Constituent Colleges :

24.	Principal, Polytechnic	:	Shri G.M. Sheth (upto 31.12.1990)
		:	Shri C.D. Panchal (From 1.1.1991)
25.	Principal, Sanskrit Mahavidyalaya	:	Shri N.C. Shukla (upto 21.1.1991)
26.	Principal M.K. Amin Arts & Science College and College of Commerce	:	Prof. D.S. Shukla

Heads of Recognised Institutions :

27.	Director, Centre for Continuing/Adult Education and Community Services	:	Prof. (Miss) 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 (upto 3.3.1991)
Prof. (Smt.) Veena R. Mistry (From 4.3.1991)

All the Trustees of Sir Sayajirao Diamond Jubilee and Memeorial Trust

32. Her highness Maharani ShantadeviGaekwad of Baroda
33. Shri Morarji R. Desai
34. Shri I.C. Patel
35. Smt. Madhuben K. Shah
36. Shri R.P. Gaekwad

The Mayor of the Baroda Municpal Corporation

37. Shri Ranjitsinh S. Chavan

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 upto end of Academic Term of 89-90

    Shri L.T. Patel (From 24.10.1990)

40. General Secretary : Shri G.K. Rajput upto end of Academic Term of 89-90

    Shri S.P. Rajput (From 24.10.1990)

Five Professors :

41. Prof. R.P. Bhatt, Science
42. Prof. D.S. Pathak, Commerce
43. Dr. G.N. Shukla, Medicine
44. Prof. H.V. Bhavanani, Technology & Engineering
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. Shri R.P. Shah, Fine Arts
54. Dr. (Mrs.) Kalpana R. Parlikar, Home Science
    Shri S.B. Saxena, Social Work
55. Shri A.P. Chavla, Performing Arts
    Vacant : Management Studies

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

56. Shri V.K. Dasgupta : Polytechnic
57. Dr. H.M. Pandey, Sanskrit Mahavidyalaya
58. Shri K.K. Bhai, M.K. Amin Arts and Science College & College of Commerce, Padra
59. Dr. B.N. Bhatt, Oriental Institute

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
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 Nalin Bhatt (From 13.7.1990)
75. Shri Yogesh Patel (From 13.7.1990)

One representative 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) Jayashree P. Mehta
87. Dr. R.F. Patel
88. Shri J.R. Shah
89. Prof. O.H. Patel
90. Shri A.L. Redey
91. Prof. Y.K. Agrawal
92. Shri R.P. Gaekwad
93. Shri Raoof M. Valiulla
94. Shri S.H. Chawla

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

95. Shri P.S. Bhoite

The meeting of the Senate was held on 24.3.1991 which was attended by 62 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 familes of the deceased distinguished persons :

1. Shri J.P. Shah
2. Shri Jashwant D. Thakar

Election of One Teacher to the council of post-Graduate Studies and Research was held. 12 members were assigned the Faculties.

The Annual Report and the Annual Accounts for the year 1989-90, Annual Financial Statement for the year 1991-92 were approved. During question-reply session the questions and supplementary questions were replied by the Chairman. The Pamphlet No. 7 of the Ordinances passed by the Syndicate were approved. Also statutes 14,70,91,179(b),180,184,193 A and 199 were amended and approved as under :

1. **Proposal for establishment of a Department in the Faculty of Technology and Engineering.**

   Prof. R. J. Mistry, moved as recommended by the Syndicate under Section 22 (1) (v) of the Act.

   "That the new Department of "Water Resources Engineering and management" be

established in the Faculty of Technology and Engineering".

This was seconded by Shri D.K. Patel.

2. Proposed to amend Statute 70 and 91

Prof. R. J. Mistry, moved as recommended by the Syndicate,

(i) "That under sub-head VI - Faculty of Technology and Engineering Under S.70 be amended by adding 'Water Resources Engineering and Management' as one more subjects of studies at the Faculty of Technology and Engineering".

(ii) "That under sub-head VI - Faculty of Technology and Engineering under S. 91 be amended by adding 'Water Resources Engineering and Management' at Sr. No. 15 as one more Board of Studies at the Faculty of Technology and Engineering".

This was seconded by Shri Nilesh Shukla, both the motions were then discussed put to vote and were carried.

3. Proposal to amend Statue 14

Shri Nilesh Shukla, moved as recommended by the Syndicate.

"That the order of Statement of Business of the meeting of the Senate of Sr. No. (7) under Statute 14 be placed at Sr. No. (9) and the existing Sr. No. (8) and (9) be renumbered as (7) and (8)"

This was seconded by Dr. Jatin Sheth.

The question was put to vote and was **carried.**

4. Proposal to amend Statue 179 - (b)

Shri Nilesh Shukla moved with correction and addition as per the Revised Statement of Business, as considered by the Syndicate.

"That the clause (b) of S. 179 be amended as substituted as,

(b) Election to the Senate under Section 18 (1) - Class II-A (i), (ii), (iii), (iv), (vi), (vii), viz. Professors of Faculties, Colleges and Institutions, Teachers other than Professors of Faculties, Colleges and Institutions, Registered Graduates, Heads of Secondary Schools and Secondary teachers shall be held at a place or places in the manner prescribed in Statute 169, subject to the provisions that such a person has not been a member of the Senate for more than ten years".

[The Syndicate considered the amendment on the present Statute 179-(b) regarding the election of Professors, Teachers, Registered Graduates, Heads of Secondary Schools and Secondary School Teachers constituencies to the Senate as suggested by Shri Cassim Unia, Member of the Senate and having discussed the same, the Syndicate **resolves** that the said amendment is **not warranted.**

RESOLVED further that the said amendment be placed before the ensuing meeting of the Senate with the above remarks.]

5. **Proposal to amend Statute 180**

Shri H.B. Zaveri, moved as considered by the Syndicate.

"That Statute-180 be amended and substituted as,

S. 180 : The registered trade Unions in the University area reported by the Registrar of Trade Unions, Gujarat State as existing on the 31st January of the year and also registered with the University before 30th September of the year in which an election or bye-election is to be held and having a membership of 250 or more shall be entitled to elect one representative to the Senate under Section 18 (1) - Class II - Ordinary member A (ix)"

RESOLVED further that the said amendment be placed before the ensuing meeting of the Senate with the above remarks.

6. **Proposal to amend Statute - 184**

Dr. Jatin H. Sheth, moved as considered by the Syndicate.

"That Statute 184 be adding Clause (d) after Clause (c) as :

No member of the Senate who has been elected to the Syndicate for two consecutive term or who has been a memebr of the Syndicate for more than nine years at different times shall be eligible to seek re-election to the Syndicate".

7. **Proposal to amend Statute 193-A,**

Dr. S.R. Pandya moved as recommended by the Syndicate.

"That Statute 193-A be amended and substituted as under to be effective from 1.1.1991 : S. 193-A :

(a) The superannuation age of the Teaching and Non-teaching employees who are recruited either in M. S. University or anywhere in the State of Gujarat in the Affiliated Colleges and Universities on or after 1.10.1984 shall be 58 years of age and those recruited prior to 1.10.1984 shall be 60 years.

(b) Notwithstanding anything contained abovem the teachers whose superannuation age falls between the period from 15th June to 31st October of the year will retire on 31st October of the year and those teachers whose superannuation age falls between the period from 1st November to 14th June, will retire on 14th June.

(c) This may be modified from time to time as per G. R."

This was seconded by Shri N.D. Chokshi.

The motion was put to vote and was **carried.**

8. Proposal to amend Statue 199.

Shri J.R. Shah, moved as recommended by the Syndicate,

"That the degree "Master of Textile Chemistry" (M. Text. Chem.) appearing at the Sr. No. 7 be changed to "Master of Science (Technology) Textile Chemistry [M.Sc. (Tech.) Textile Chemistry] under the heading in the Faculty of Technology and Engineering".

This was seconded by Shri Cassim Unia.

The motion was put t vote and was **carried.**

Institution of Posts, Gold Medals, Prizes and Scholarships were approved.

2

Other Authorities of the University

I. Council of Post-Graduate Studies & Research

The Council of Post-Graduate Studies & Research met on 11th April, 1990, 12th Oct. 1990, 7th Dec. 1990 and 5th Feb. 1991. Following were the principal items considered and recommended by the Council and subsequently approved by the Syndicate.

(i) New Research Schemes for 1991-92 approved- 54

(ii) Dr. Misra Amar Nath, Head,. Research & Development Centre, Gujarat Alkalies & Chemicals Ltd., Vadodara-391 346 was recognised as a Post-Graduae teacher for guiding Ph.D. students in Chemistry under the Faculty of Science.

(iii) Prof. P. Ramakrishnan, I.I.T., Bombay was recognised as a Post-Graduate teacher for guiding Ph.D. student s in Metallurgical Engineering under the Faculty of Technology & Engineering

(iv) The Council of Post-graduate Studies and Research framed new set of rules for recognition of teachers as University Post-Graduate teachers in various subjects working in different Institutions/ Laboratories/Research centres recognised by this University and to be made applicable from 1991 onwards.

(v) The following Institutions/Laboratories/Centres were recognised as research centres for conducting Ph.D. work.

No.	Institute/Laboratory	Subject	Faculty
1.	Tata Energy Research Institute 7, Jorbagh, New Delhi-3	Economics Microbiology Chemical Engineering	Arts Science Technology & Engineering
2.	Shri B.V. Patel Pharmaceutical Education and Research Development Centre, 13, Sanjiv Baug, Ahmedabad-7. Recognised for one year. provided a compliance certificate is sent for further continuation of recognition after one year	Pharmaceutical Science	Technology & Engineering

3.	Ahmedabad Textile Industry's Research Association, P.O. Polytechnic, Ahmedabad-380 015.	Physics/Chemistry Research Work towards dissertation at M. Text	Science Technology & Engineering

(vi) The Council also considered and recommended for approval, Panels of referees to examine Ph.D. /M/Phil thesis indifferent subjects.

Recognition as post-Graduate teachers guiding Ph.D./Post-Graduate degrees.

Extension of period for submitting thesis under O.Ph.D. 4 (iii)

Registration for Ph.D. under O.Ph.D. 1 (viii) cancellation of registration for Ph.D. under O.Ph.D. 3 (vi) Granting eligibility for Ph.D. & other academic items.

II. Faculties :

There are twelve Faculties in the University.

Their meetings were held during the year as shown below :

Sr. No	Name of the Faculty	Date of meeting
1.	Faculty of Arts	11.4.91
2.	Faculty of Science	20.4.91
3.	Faculty of Fine Arts	-
4.	Faculty of Performing Arts	9.4.91
5.	Faculty of Commerce	7.6.91
6.	Faculty of Management Studies	18.1.90
7.	Faculty of Medicine	12.4.91
8.	Faculty of Law	17.5.91
9.	Faculty of Home Science	15.4.91
10.	Faculty of Technology & Engineering	10.7.91
11.	Faculty of Scial work	20.8.90
12.	Faculty of Education and Psychology	6.4.91

Faculty of Arts Meeting held on 11.4.1991.

1. The Syllabus for Gujarati Compulsory and optional at F.Y.B.A. class for the academic years 1991-92, 92-93, and 93-94 was prescribed and approved.

2. Text Books for S.Y.B.A. and T.Y.B.A. Major English were prescribed and approved.

3. M.Phil. committee was constituted for the Co-ordination of M.Phil. work in the Department of Political Science and Department of History for the period of three years from 1.1.1991.

4. The syllabus for various courses in Linguistics was revised and approved.

5. The Syllabus of practical Geography was revised and approved and made effective from 1991-92. (ii) A new paper Geography of Health as one of the optional paper at M.A. Part II and paper III be introduced and the same was made effective from academic year 1991-92. (iii) Existing paper I "India" at the S.Y.B.A. (Special & Subsidary) levels was revised and approved and made effective from 1991-92.

These recommendations were approved by the Syndicate.

Faculty of Science Meeting held on 20.4.1991.

1. Ph.D. viva by Open Seminar was introduced at the Deptt. of Bio-Chemistry.

2. Syllabi for Clinical Bio-Chemistry (Optional Paper) at M.Sc. (Final) in Bio-Chemistry was revised and approved. One more optional paper in the field of Bio-Chemistry was introduced and the syllabi for New Elective-Applied Bio-Chemistry was approved.

3. (i) The syllabi of Practical Geography at all levels from F.Y. to P.G. Courses were approved.

   (ii) The syllabi for Paper I-"India" at S.Y.B.A./S.Y.B.Sc. (Special and Subs.) levels was approved and

   (iii) The syllabi of New Paper Geography of Health (Optional Papers) at M.Sc. (Final) and M.A. (Part.II) under Paer II/III ws approved.

4. The system of mentioning the name of the Optional subject in the marklist issued to the Candidate at M.Sc. was introduced.

5. Total Internal Assessment System at the Practical Examinations in M.Sc. (Prev.) and M.Sc. (Final) in all subjects and M.Sc. (Applied Geology) was approved and made effective from the academic year 1991-92 and onwards.

(Note : These recommendations were approved by the syndicate)

Faculty of Performing Arts Meeting held on 9.4.1991.

1. (i) Admission rules for F.Y. B.P.A./S.Y. B.P.A. and M.P.A. in Music (Vocal and Instrumental) courses were revised and approved.

   (ii) Rules for granting A.T.K.T. were revised and approved.

2. Admission rules and admission format for F.Y. Diploma / F.Y. B.P.A. /and S.Y. B.P.A. in Dramatics were revised and approved.

(Note : These recommendations were approved by the syndicate)

Faculty of Commerce Meeting held on 7.6.1991.

1. Introduction of (i) Two year Post-Graduate Diploma in Computer Aided Financial Management and (ii) Post-Graduate Diploma in Audit of EDT based Accounts course in the Deptt. of Accounts were approved in Principle, but to be implemented when financial assistance is available.

2. (i) The Syllabi in Business Economics at M.Com. (Prev. and Final) were approved.

   (ii) The Paper entitled "Economics of Human Resources and Man Power Planning (Major Business Economics-Paper -II taught at M.Com (Final) was approved.

   (iii) The portion of the Economics Development of U.S.A.' USSR, and Japan in the Paper entitled Economics Development, at S.Y.B.Com. was replaced by the recent development experience of the advanced countries was approved.

3. (i) The Structure of Major Minor Paper at M.Com. level (both (Prev. & Final) was revised and approved.

   (ii) Introduction of part-time Post-graduate Diploma in Business Administration Course was approved in Principle and the same to be implemented when financial assistance is made available.

4. Three year B.B.A. Course was accepted in Principle. To start the Course necessary permissionbe obtained from AICTE, New Delhi.

5. O.Com 44 was amended and approved as under:-

   To pass the examination a candiidate must secure at least 40% marks in each paper and 50% in aggregate.

6. Students who have passed H.Sc. (XII std) Examination under Vocational stream be admitted to F.Y.B. Com. class

   (Note : These recommendations were approved by the syndicate)

Faculty of Medicine Meeting held on 12. 4.1991.

1. The rules framed for examinership at Under- graduate/ Post- graduate level were approved.
2. Institution of Degree of M.ch. (Cardio Thorapic Surgery) was approved subject to inspection and approval of Medical Council of India, New Delhi.
3. The O.M. 7 was suitably modified.

   (Note : These recommendations were approved by the syndicate)

Faculty of Law Meeting held on 17. 5.1991.

1. Syllabi of the courses taught by the Department of Law at Ist LL.B. and IInd LL.B. (General) was revised and approved.
2. It was recommended that the terms kept by the candidate for a particular year of the LL.B.

Course, will lapse if he fails to pass the relevant examination within a period of six (6) years from tha date of original admission. However, he shall be given a fresh admission after the said period of six years. in the respective year of the course, if he so desires.

Further it was also recommended that this rule shall come into force from the academic year 1992-93, provided the old candidates be given a two (2) years period to pass the Examination.

(Note : These recommendations were approved by the syndicate)

Faculty of Home Science Meeting held on 15.4.1991

1. (i) M.Phil. ordinaces NO. 12.21.22, 23 for various Departments under the Faculty of Home Science were revised and approved.

   (ii) Change of the title "Introduction to Child Development (C.D. 130)" to " Introduction to Human Development and Family Studies (HDFS-130)" was approved.

2. (i) Revision of scheme of Examination of P.G. Diploma in Education and Extension course was approved.

   (ii) Courses prescribed for M.Sc. (Home) in Home Science Education and Extension was distributed in Two Seperate Semesters.

3. A Programme of Vocational Home Science programme was academically approved and the same to be started as and when financial assistance is available.

   (Note : These recommendations were approved by the syndicate)

Faculty of Technology and Engineering Meeting held on 10.7.1991

1. The Scheme of Teaching and Examination for Under-graduate, Post-graduate and Part-time degree course were revised.

2. Revision of Rules of passing, Award of class and A.T.K.T. for semester examinations of the 4 year Degree courses and 5 year Degree courses were approved.

3. Revised scheme of teaching and examination for all the four year degree courses keeping in mind the general policy of the Faculty i.e. to have not more 32 hrs. of contact per week for theory and 4 practical/T.W. hours for all subjects were approved.

4. Modification of Rules for admission and passing for M.Sc. Applied Science Courses were approved.

5. Rules of standard of passing, award of class, etc. for Master of Engg./Technology and Pharmacy have been framed which were approved and made effective from August, 1991.

   (Note : These recommendations were approved by the syndicate)

Faculty of Education & Psychology Meeting held on 6.4.1991

1. The Part-time M.Ed. course to be discontinued from the academic year 1991-92.

   (Note : Above recommendation was approved by the syndicate)

Faculty of Social Work Meeting held on 20.8.1991

1. The titles and pattern of some courses of M.S.W. and P.G. Dip. in I.R.P.M. were changed.

(Note : Above recommendation were approved by the syndicate)

III. Boards of Studies :

64 Boards of Studies in the different subjects met during the year as show below :

Sr. No.	Name of the Board	Date of the Meeting
1.	Sanskrit, Pali & Prakrit Languages and Literature	4.1.1991
2.	Persian, Urdu & other Asian Languages & Literature	11.1.1991
3.	Hindi Language & Literature	9.1.1991
4.	Gujarati Language & Literature	7.1.1991
5.	Marathi Language & Literature	5.1.1991
6.	English Language & Literature	11.1.1991
7.	Modern European Languages & Literature	7.1.1991
8.	Sociology	11.1.1991
9.	History	8.1.1991
10.	Archaeology, Ancient History & Culture	10.1.1991
11.	Philosophy	4.1.1991
12.	Linguistics	7.1.1991
13.	Library Science	5.1.1991
14.	Political Science	5.1.1991
15.	Economics	9.1.1991
	Faculty of Science	
16.	Biochemistry	19.12.1990
17.	Botany	18.12.1990
18.	Chemistry	17.12.1990
19.	Geography	21.12.1990
20.	Geology	18.12.1990
21.	Mathematics	20.12.1991
22.	Microbiology	19.12.1990

23.	Physics & Meteorology	17.12.1991
24.	Statistics & Acturial Science	20.12.1990
25.	Zoology	21.12.1990
Faculty of Education & Psychology		
26.	Education and Educational Administration	28.1.1991
27.	Psychology	28.1.1991
Faculty of Technology & Engineering		
28.	Applied Mechanics	16.1.1991
29.	Architecture	18.1.1991
30.	Chemical Engineering	19.1.1991
31.	Applied Chemistry	17.1.1991
32.	Applied Mathematics	17.1.1991
33.	Applied Physics	17.1.1991
34.	Civil Engineering	16.1.1991
35.	Mechanical Engineering	19.1.1991
36.	Metallurgical Engineering	16.1.1991
37.	Technology (Textile)	18.1.1991
38.	Textile Chemistry	18.1.1991
39.	Electrical Engineering & Electronics	19.1.1991
4o	Pharmacy	17.1.1991
Faculty of Commerce		
41.	Banking & Business Finance	30.1.1991
42.	Accounts	30.1.1991
43.	Business Economics	31.1.1991
44.	Commerce including Business Administration	31.1.1991
45.	Co-operation	1.2.1991
Faculty of Management Studies		
46.	Management Studies	15.12.1990
Faculty of Fine Arts		
47.	Painting, Sculpture, Applied Arts. Art History & Graphic Arts	25.1.1991

48.	Museology	31.12.1990
	Faculty of Performing Arts	
49.	Music (Vocal & Instrumental)	28.12.1990
50.	Dance	--
51.	Drama	28.12.1990
Faculty of Home Science		
52.	Human Development and Family Studies	13.12. 90
53.	Foods & Nutrition	14.12.1990
54.	Home Science Education and Extension	14.12.1990
55.	Clothing and Textiles	15.12.1990
56.	Home Management	13.12.1990
Faculty of Medicine		
57.	Anatomy, Physiology and Bio-chemistry	22.1.1991
58.	Surgery and Allied Branches	23.1.1991
59.	Obstetrics Gynaecology and Paediatrics	2.3.1991
60.	Pathology, Microbiology, Pharmacology and Forensic Medicine	22.1.1991
61.	Medicine and Applied Branches	23.1.1991
62.	Physiotherapy	2.3.1991
	Faculty of Law	
63.	Law	29.12.1990
	Faculty of Social Work	
64.	Social Work	29.1.1991

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Other Boards & Committees

I. Standing Committee on Equivalence of Examinaiton

The Standing Committee on Equivalence of Examinaiton met on 12.10.1990 and took the following decisions which were approved by the Syndicate.

1. The report of the action taken by the Vice-Chancellor under 0.177 in deciding the eligibility of 32 students for admission to the various courses of this University for the academic year 1989-90.

2. Uttaramadhyama, Shastri and Acharya examinaitons conducted by Avadhesh Pratapsinh Vishnuavidyalaya, Rewa, M.P. was recognised as equivalent to Uttarmadhyama, Shastri and Acharya examination of this University.

3. Kenya Certificate of Secondary Education (K.C.S.E.) conducted by Kenya National Examination Council, Kenya was recognised as equivalent to the Higher Secondary examination XII std. of the Gujarat State for purposes of admission to available Higher courses of studies in this University provided it is passed with atleast four subjects with 'C' grade or 'better' including 'English' and from amongst the remaining subjects atleast 3 respective stream subjects either Arts or Science or Commerce as the case may be with the required percentage of Marks, where necessary.

4. Foreign examination conducted by the Foreign examining bodies and approved by A.I.U. as equivalent to 10 + 2 stage was recognised as equivalent to 10 + 2 stage for purposes of admission to available Higher courses of studies in this University.

5. Advanced Armament Engineering course conducted by EME School, Baroda was recognised as equivalent to post-graduate degree in Engineering for purposes of admission to Doctor of Philosophy (Ph. D.) course in this University.

6. M. Lit. degree in English conducted by Central Institute of English and Foreign languages, Hyderabad was recognised as equivalent to M.Phil. degree in English of this University.

II. Publication Board

No meetings was held during the year.

III. Committee of Deans of Faculties and Heads of Institutions

Three meetings were held during the year and the following matters were discussed :

(1) Fixation of Terms and vacations of the Faculties and Institutions for the academic year 1990-91.

(2) Offer of the Scholarships from University Allumnies at U.S.A.

(3) Programme of University Examinations for the year 1990-91.

(4) Power of Deans and Principals and Heads of Institutions.

(5) Information of the University teachers as per U.G.C. directive

IV. Press Supervisory Committee

Three meetings were held during the year and at these meetings the general reports of the Press regarding the working of the Press, Stationary Unit, Publication Sales Unit and printing programme, purchase of papers, Duplicating Materials, etc. were discussed and approved by the Syndicate.

V. Wardens' Committee

Two meetings were held during the year and the following recommendations were discussed and approved by the syndicate.

(i) Mini Computer facility be provided to the Chief-Warden's office and same may be purchased from Gen. Fund Account.

(ii) Canteen behind M.A. Hall be closed.

(iii) Strict actions be taken against unauthorised persons staying in the Hostel.

(iv) Hall cum Mess Deposit be revised from Rs. 300/- to Rs. 500/-.

(v) Common charges be taken at uniform rate.

(vi) Maintenance problems of the Hostels.

VI. Board of Extra Mural Studies

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

VII. Advisory Committee for the University Health Centre

No meeting was held during the year.

VIII. Library Committee

One meeting of the committee was held during the year and the recommendation for allocation of the UGC Development Assistance Programme Books grant of Rs. 50,000/- was discussed and approved by the syndicate.

IX. Advisory Committee of the Oriental Institute

One meeting of the committee was held during the year and the following matters were discussed and approved by the syndicate.

(1) Printing of Alphabatical list of M.S.S. of Oriental Institute.

(2) The work of writing introduction to Nyayakanak is entrusted.

(3) Preparation of a book "Santa Tukaram" as Shri Sayaji Balajananamala.

(4) Comprehensive revision of the price of all G.O.S. publication and other Sayaji Sahitya Mala publications.

X. National Service Scheme Advisory Committee

Brief Report of the Activities of NSS-1990-91

The meeting of the NSS Advisory Committee of M.S. University of Baroda was held on 26-3-1991, which approved the report of the activities of NSS during the year 1990-91. The NSS M.S. University of Baroda has enrolled 1000 students for regular activities from different Faculties/Institutions. NSS, M.S. University of Baroda actively involved 1000 students in various activities through its 11 different projects under regular activities. The NSS M. S. University of Baroda organised 7 Special Camps involving 287 Male & 128 Female NSS volunteers, under the theme of Youth for Mass Literacy & National Integration.

In addition to the above, 35 One day Camps were organised involving 767 NSS volunteers for village Development work. 25 volunteers actively participated in the organisation of Medical Check-up Programme, which benefited 444 people. The Special Camping and other Camps provided opportunity to 1182 students for participation in Literacy and Rural Reconstruction Work.

Over and above, following Special Programmes were organised :

(1) Gandhi Jayanti & Communal Harmony Month Programmes

(2) Celebration of Youth Week Programme

(3) Youth Convention

(4) NSS Volunteers in Republic Day Parade at New Delhi

(5) Youth for Popularisation of Science in Community Programmes

(6) Environment Education Programmes.

XI. Selection Committee

During the year 1990-91 the following number of selection Committee Meetings were held.

		Nos. of Meeting	No. of Persons recommended
1.	Selection Committee under Section 48 (i) & (ii)	11	7
2.	Selection Committee for lecturers	15	17

4

Research Work in the University

I. During the year 125 new Students were registered for the Ph. D. Degrees. Their Faclty wise break up of Ph. D. students is Arts 36, Science 53, Commerce 03, Education and Psychology 06, Fine Arts 04, Medicine 01, Home Science 03, Law 02, Technology and Engineering 14, Performing Arts 03.

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

Sr. No.	Name of the Faculty	Numbers
1.	Faculty of Arts	108
2.	Faculty of Science	150
3.	Faculty of Commerce	31
4.	Faculty of Education & Psychology	29
5.	Faculty of Home Science	14
6.	Faculty of Medicine	24
7.	Faculty of Technology & Engineering.	72
8.	Faculty of Law.	6
9.	Faculty of Fine Arts	35
10.	Faculty of Performing Arts	12
11.	Faculty of Social Work	4
12.	Faculty of Management Studies.	2
		487

II. Research Schemes Financed By The University For The Year 1990-91

Sr. No.	Name of the Teacher	Title of the Research Scheme
1.	Dhake K.P. Reader in Applied Physics, Faculty of Technology & Engineering	"Characteristics of Liquid Crystals with Ultrasound".
2.	Guha S.B. Reader in Textile Chemistry Faculty of Technology & Engineering	"Dyeability Studies of Polytester"

3.	Panchal Vijaykumar M. Reader in Mech. Engg. Faculty of Technology & Engineering	"Analysis of Rolling Pad Journal Bearing by FEM".
4.	Patodi, S.C. Professor of Applied Mechanics, Faculty of Technology & Engineering	"Development of an Expert system for the analysis and design of structural components.".
5.	Ethirajulu, K. Professor & Head of chemical Engineering, Faculty of Technology & Engineering	"Process development for 3-4-5 thihydroxy Toluene"
6.	Sengupta R. Lecturer in Chemical Engineering, Faculty of Technology & Engineering	"Mass Transfer Studies using liquid emulsion Membranes"
7.	Oza K. T. Reader in Chemical Engineering Faculty of Technology & Engineering	"Packed column as mass transfer contacting device for extraction of aromatics".
8.	Puranik S.A. Professor of Chemical Engg. Faculty of Technology & Engineering	"Mathematical Modelling for Liquid-liquid equillibrium data"
9.	Bhagat W.P. Reader in Applied Physics, Faculty of Technology & Engineering	"Novel Liquid crystals and their structural study"
10.	Majmudar Neeta Lecturer in Applied Physics Faculty of Technology & Engineering	"Internal effect Optical Fibre Pressure Transducer"
11.	Bhattacharya Santanu Lecturer in Textile Chemistry, Faculty of Technology & Engineering	"Substituent effects on the colour, Dyeing and fastness properties of Cationic and Acid Dyes on CDPET and Nylon Fibres.
12.	Joshi P.B. Lecturer in Metallurgical Engineering Faculty of Technology & Engineering	"Development of Silver Tin Oxide Electrical contacts and study of effect of manufacturing practice on properties of contacts.
13.	Dutta S.K. Lecturer in Metallurgical Engineering Faculty of Technology & Engineering	"Study of Iron -ore-coal Composite pellet".

14.	Shah A.J. Reader in Applied Physics, Faculty of Technology & Engineering	"Thermolectric power Measurement studies on vacuum evaporated thin films of BI-Sn Bi-SB, Pb-Te, pure and doped Bb meterials and Fabrication of Devices like thin film transistors theses compounds.
15.	Prasad L.H.H. Reader in Applied Physics Faculty of Technology & Engineering	"Examination of Optical properties of Zeolites and other minerals".
16.	Pandya Indradutta I Lecturer in Applied Mechanics, Faculty of Technology & Engineering	"Study of Fibre Reinforced concrete Members to different types of loading conditions"
17.	Patel N.M. Professor of Applied Mechanics, Faculty of Technology & Engineering	"Dynamic Response of Geotextile Reinforced Road Pavements"
18.	Shah D.L. Reader in Applied Mechanics Faculty of Technology & Engineering	"Characteristics of Polymer Based cement grout system".
19.	Shroff A.V. Professor of Applied Mechanics, Faculty of Technology & Engineering	"Radial Consolidation of clays with vertical geotextile drain"
20.	Misra A. N. Reader in Pharmacy, Faculty of Technology & Engineering	"Modified Indian Gums as Hydrophilic Matrices for Controlled oral Delivery".
21.	Gayatri B. Lecturer in Pharmacognosy & Biology Faculty of Technology & Engineering	"Microbial Studies on the Royal Gum"
22.	Jejurkar C.R. Reader in Applied chemistry Faculty of Technology & Engineering	Sahiff Base complexes of some transition and non transition metal ions.
23.	Jadav N.D. Reader in Applied Chemistry Faculty of Technology & Engineering	"Synthesis of Intermediates and Dyes and to study their properties"
24.	Khatri J.P. Reader in Mechanical Engineering Faculty of Technology & Engineering	"Study of the effect of particle velocity on power coating under plasama Assistance using Laser doppler Anemometre"

25.	Desai P.I. Lecturer in Mech. Engg. Dept. Faculty of Tech. & Engg.	"Investigations on the effect of Ultrasonic and Magnetic field on Mibrobial growth in water the soluble cutting fluid".
26.	Purohit P.S Lecturer in Mech. Engg. Dept. Faculty of Technology & Engineering	"Study of the effect of Tool Geometry on Dynamic strain in orthogonal cutting of Metal".
27.	(i) Agrawal, S.K. Prof. of Metallurgical Engineering (ii) Soman S.N. Lecturer in Metallurgical Engg. Dept. Faculty of Technology & Engineering	"Development of Laboratory Intensive Muller"
28.	Shah R.H. Reader in Applied Mechanics, Faculty of Technology & Engineering	"Study and Behaviour of Partal frame".
29.	Jamdagni R.P. Reader in Textile Chemistry Faculty of Technology & Engineering	"Studies on effect of Fungi and mildews on natural Fibres".
30.	Arya A. Lecurer in Botany Faculty of Science	"Some investigations on Fungi isolated from museum objects".
31.	Chhatpar H.S. Reader in Microbilogy, Faculty of Science	"Studies on antimicrobial and antiinsecticidal activity of toxin of B. thurungiensis".
32.	Mankodi P.C. Lecturer in Zoology, Faculty of Science.	"Effects of environmental conditions on the metabolism of littoral and Pelagic fishes.
33.	D.M. Shringarpure Prof.of Geology, Faculty of Science	"Cretaceous/Tertiary boundary mainland region of Kutch Gujarat State".
34.	Patel P.K Reader in Geology, Faculty of Science	"Geology of the laterites of Bhavnagar District, Gujarat".
35.	Kulkarni N. D. Lecturer in Inorganic Chemistry, Faculty of Science	"Synthesis and study of uran complexes with terrao entate N_2 ligands

36.	Desai A. Reader in Microbiology, Faculty of Science	"Isolation and Characterization of nodule inducing principle by rhizobiaisoluted form Cajanus cajan and Arochis hypogea in response to hamologous and heterologous host root escudates".
37.	Chamyal L. S. Lecturer in Geology Faculty of Science	"Petogenesis of the trappean rocks of kumaun Himalaya"
38.	(i) Tiwari K.C. Lecturer in Geology (ii) Sychanthavong S.P.H. Temp. Lecturer in Geology, Faculty of Science	"Geological Studies of Sirohi Area Southwestern Rajasthan"
39.	(i) N.C. Shah Professor and Head in Biochemistry and clinical Chemistry (ii) Shukla G.N. Professor of Surgery in Medical College. (iii) A.A. Mehta Asstt. Prof of Biochemistry Medical College	"Biochemical Evaluation of Urolithias is with Special reference to etiology and Medical Management"
40.	Master, D. Tutor in Anatomy, Medical College	"Cytogenetics of Repeated abortion and obortuses".
41.	(i) Bhatt J.D. Asstt. Professor of Pharmacology Medical college (ii) Shah U.H. Prof. & Head of Pharmacology Medical College, (iii) Hemavathi K.G. Associate Professor of Pharmacology Medical College (iv) Panchakshari U.D. Pharmaceutical Chemist Deptt. of Pharmacology Medical college (v) Kantharia N.D. Tutor in Pharmacology Medical College	"Toxicilogical Studies of some new drugs in animalmodals.
42.	Goel R.K.D. Associate Professor of Microbiology Faculty of Medicine	"Sero-Epidemiological Studies of Viralhepatitis Patients of Baroda"

43.	Javadekar B.B. Asstt Professor of Paediatrics, Faculty of Medicine	"Incidence and outcome of hypoglycemia in Children of Diarrhoa admitted in Diarrhoea Ward of S.S.G. Hospital".
44.	Aiyer S. G. Asstt. Prof. of Pediatrics, Faculty of Medicine.	"C.R.P. (C-Reactive protein and micro E & R as Rapid diagnostic text of neohatal Septicemia"
45.	(i) Desai S.V. Asstt. Prof.of Pharmacology, Faculty of Medicine. (ii) Desai R.S. Tutor in Pharmacology, Faculty of Medicine (iii) Hemavathi K.G. Associate Prof of Pharmacology, Faculty of Medicine. (iv) Shah U.H. Prof. & Head Deptt. of Pharmacology, Faculty Medicine.	"Adverse Drug Reaction (ADR) Monitoring in patients.
46.	Nayak S. U. Asst. Professor of Paediatrics, Faculty of Medicine.	Blood glucose profilc in Newborn babies with asphysic.
47.	Modi D. Venjbhai Asstt. Prof. of Paediatrics Faculty of Medicine	"Study of Severe and Complicated malaria"
48.	Anjaria V. Reader & Head Deptt. of Social work. Faculty of Social work.	"A profile of the Beneficiaries of the Marital Counselling Agency (Vikas Jyot) Baroda".
49.	(i) Patel U. Reader in Dept. of Foods and Nutrition (ii) Mani U.V. Reader in Foods and Nutrition. (iii) Nanavaty Kalindi Lecturer in Dept. of Foods and Nutrition, Faculty of Home Science	"To Study the effect of Diabetic mix (Cereal-Pulse combination) on Glyecmic Index and Trygly ceride response in NIDDM Patients.

50.	(i) Pathak Yogini Reader Deptt. of Human Development and Family Studies	"A Study of the Alumni of the Under Graduate, Diploma and Certificate programs of the department of Human Development and Family Studies ". A Follow up.
	(ii) Dave A. Lecturer in Human Development and Family studies Dept.	
	(iii) Hina Mankodia Temp. Lecturer in Human Development and Family, studies Dept. Faculty of Home Science	
51.	(i) Joshi S.M. Reader in Centre for Advanced Studies in Education Faculty of Education and Psychology.	"Management of the M.S.University of Baroda".
	(ii) Pradhan N. Lecturer in Centre for Advanced Study in Education Faculty of Education and Psychology.	A Retrospective and Futuristic perspectives
52.	Thomas V.D. Lecturer in Education, Faculty of Education and Psychology.	A study of the Effectiveness of the integrative Teacher Training Programme
53.	Shah M. C. Lecturer in Dramatics Faculty of performing Arts.	"Study of views of Stanislavsky, Meyerhold Vakhatangov Copeau Brecht, Artaud, Grotowsh Eugenio Baroda and Peter Brook on Play producation and their impaction Modern Experimental Bengali, Theatre (1940--1990) if any.
54.	Byju S.R. Teaching Asstt. in Sculpture Dept. Faculty of Fine Arts.	"Different type of Clay Bodies from Gujarat clay"

III. Research Schemes Sponsored By Outside Agencies

The following schemes in progress have been sponsored by the university Grants commission, Central Goverment, Gujarat Government, Planning Commission and other agencies like ICAR, CSIR, ICSSR, ICMR, DST etc.

Name of the Teacher	Title of Research Scheme	Name of the Financing Agency	Remarks regarding the Progress of the Scheme
FACULTY OF ARTS			
Department of Political Science			
1. Pantham Thomas	(i) Models and Strategies of Socio-political change	ICSSR	In progress
	(ii) Contemporary Political Thought	UGC	In progress
2. Rana A.P.	(i) The Theoretical Study of International Relations" for Second Survey of Research in political Science.	ICSSR	in Progress
	(ii) The Theoretical Study of International Relations' for the ICSSR's Second Survey of Research in Political Science	ICSSR	Almost ready for submission
	(iii) The Indo-Soviet Quest for Peace and Development: A Conceptual Framework	ICSSR	Submitted for publication.
	(iv) International Relations A Conceptual Delineation of the field.	UGC	In progess
Department of Geography			
1. Rangaswamy V.C. Vyas J.P.	Environment, Development and planning: The tribal region of Central Gujarat.	ICSSR	in progress.
2. De Jayshree	'Geographical perspective of child Health Care :	ICSSR	in Progress
3. Dash N.R.	A Case study of Vadodara District	ICSSR	

4. Rolee Kanchan		ICSSR	

Department of Persian, Arabic & Urdu

Siddiqi M-H.	'A survey of import ant works of Gujarat Scholars in Persian'	UGC	Project completed

FACULTY OF SCIENCE

Department of Biochemistry

1. Parekh L.J.	(i) UGC Sp. Asst. Programme III phase	UGC	Will terminate in April 1992.
	(ii) Centre for Curriculum Development Biochemistry	UGC	Terminated in 1990.

Department of Botany

1. Sabnis S. D	Eco-environmental & wildlife studies on Sardar Sarovar submergence area in Gujarat	SSNNL Govt of Gujarat	In progress Work
2. Bhatt R.P.	(i) Cytology, morphology & photochemistry of some endangered/ threatened plant complexes from Kutch desert.	UGC	Terminated in 1991
	(ii) Secondary phloem in dicotyledons DRS II phase	UGC	Completed
3. Senan G.P.	Utilization of oil well effluents of Mehsana region for enhancing the productivity of agricultural & environ mental systems of the rigion	ONGC Project Mehsana	Completed

Department of Chemistry

1. Rakshit A.K.	(i) Absorption of polymers on solid liquid interface	DAE Govt. of India, Bombay	in Progress
	(ii) Physicochemical inves tigation Microemulsion systems	ONGC A. bad	in Progress
2. Shah A.C. Devi S.G.	Grafting on polymers	IPCL	in progress
3. Shah A.C. Nair K.B.	Synthesis & characteri zation of antioxidants	IPCL	in progress
4. Devi Surekha	Immobilization of biocatalysts on polymeric supports	DST	inProgress
5. Rama H.S.	Metal complex catalysis of hydrolysis of aminoacid esters & polyphosphate	CSIR	in progress
6. Ram R.N.	Studies on polymer supported metal complex catalysts	UGC	in progress

Department of Geoloigy

1. Gadekar D.R.	Cosist Programme	UGC	in progress
2. Desai S.J.	Indepth study of Ankleshwar deep parametic well	ONGC	in progress
3. Patel P.P. Desai N. Tiwari K.C.	Impact of sea level rise due to green house effect along the gujarat coast.	Dept. of Env. Forest,N. Delhi	in progress

Department of Microbiology

1. Rao K.K.	(i) BNF (ii) Microbial conversion of agricultural residues to liquid fuch & other useful chemical	ICAR GEDA	in progress
2. Chattoo B.B.	(i) Genetic manipulation of plants & microbes	Indo-Swiss collaboration	in progress

	(ii) Use of RFLP analysis in rice	DBT, N. Delhi	in progress
	(iii) Heterologous gene experssion in the yeast Yeast Y . lipolytica	DBT, N. Delhi	in progress
	(iv) Genetic engineering of rice	Rockfeller Foundation USA	in progress

Department of Statistics

1. Nandi S.N.	Study of optimal Designs of control charts	UGC	in progress

Department of Zoology

1. B. Pilo	(i) DRS Programme on Developmental Physiology	UGC	Project Completed on 31.3.91
	(ii) Bird Hazard Phase-II strobe LIght Field study	Aeronatuic R&D Board MInistry of Defence	in Progress
	(iii) DSA Programme on Dev. Physiology	U.G.C.	in Progress
2. Ramachandran A.V.	P.A. Axis in R.F. & M.P. of Birds	U.G.C.	in Progress

FACULTY OF EDUCATION AND PSYCHOLOGY

1. Christian J.A.	" A study on Gifted Children"	U.G.C.	The Work is completed
2. M.M. Shah	"Factors affecting the performance of first year college students.	U.G.C.	in Progress

FACULTY OF MEDICINE

Department of Obstretics & Gynaecology

1. Hazra M.N.	(i) Intervention Study for impro ving MCH & Family Welfare Services at PHC level	ICMR	in progress

(ii) Improved Utilization of spacing method (IUD & OC) Through Strategy of Training and Counselling.	ICMR	in Progress
(iii) A Multicentre Clinical Trial with Anti progestin RU-486 (600 mg OR 200 mg Single Dose following by Either 3 mg or 5 mg prostaglandin 9 methylene PGW2 Vaginal Gel for Termination of Early Pregenancy- A Dose finding study.		in Progress
(iv) Evaluation of various pregnancy test kits.		in Progress

FACULY OF TECHNOLOGY AND ENGINEERING

Department of Metallurgical Engineering

1. Pai K.B. Gadgeel V.L.	Hydrogen Embrittlelement Studies in Al-LI Alloys and Maraging for Air-craft	Aeronautical Development Agencies	in progress
2. Gadgeel V.L. Chourasia N.C. Joshi P.B. Shah N.M.	Preparation and Characterization of Thin Film	Ministry of Human Resource Development	in progress-
3. Agrawal S.K. Gadgeel V.L.	"A Network Scheme for the Improvement of Metal loining Laboratory"	Ministry of Human Resource Development	in progress
4. Agrawal S.K. Patel M.N.	"Weldability Studies on N2 Bearing S.S. including the use of Nitrogen purging and Shielding"	BRNS (DAE)	in progress
5. Murti N.S.S. Gadgeel V.L. Raval S.R.	"Role of Heat Transfer in Heat Stimulated Chemical Reaction"	CSIR	Completed

6. Murti N.S.S. Gadgeel V.L.	Departmental Research Support	UGC	in Progress

Department of chemical Engineering

7. Pandya S.B. Patel R.V.	Project on Petroleum & Gas from Cellulosic Agrowaste	Govt. of India Dept. of Non Conventional Energy Sources	Completed.

Department of Pharmacy

8. Banerjee S.K.	Utilization of improved Technology in Herbal formulation and Standerdisation for rural Health.	H.R.D.	In Progress

Department of Applied Chemistry

9. Vora R.A.	Synthesis of Potential Polymers.	S.J.F. Scheme of M.S. Univ. Sponsered by O.N.G.C.	In progress.

FACULTY OF FINE ARTS

Department of Art History

1. Parimoo Ratan	UGC/DSA Programme in Art History & Aesthetics	UGC	Four year have been completed andmany items implemented like new posts, additional construction, documentation & field trips, organising of Seminar

FACULTY OF HOME SCIENCE

Education & Extension Dept.

1. Parlikar K.R.	A Study of TRYSEM Progr-ramme for rural youth (girls) of Baroda District	Deptt. Rural Development Ministry of Agriculture G.O.I.	Completed

2. Shah A. Joshi U.	Aging women belonging to low Socio Economic status	Ministry of Welfare New Delhi	in progress
Department of Food & Nutrition			
3. Gopaldas T.	(i) Nutritional Research and Training Centre (ICMR)	Indian Council of Medical Research	in progrsss
	(ii) USAID assisted evaluation of ICDS in Gujarat and Maharastra	Ministry of Human Resource Development	in progress
4. Gopaldas T. Pant I.	Monitoring and Evaluation of Child Health and Nutrition	Ford Foundation	in progress
5. Gopaldas T. Chakrabory B.K.	Reduction in distary bulk of young child foods with amylase/ amylase rich foods	International Development Research Centre, Canada.	in progress
6. Mani U. V.	(i) Charactrization of Hydroxy protine containing des from the urine of Diabetics (ICMR)	Indian Council of Medical Research	in progress
	(ii) Long term effect of Diabatic Mix on Hrum Lipids in NIDDM PATIENTS	- (Roussel Scientific Institute).	in progress
7. Patel U. Mani U.& Nanavaty K.	Effect of Diabetic Mix glyeemic index in NIDDM patients	UGC	in progress
Human Development and Family Studies Deptt.			
8. Mistry. V. R.	Training Anganwadi Workers to implement an Infant stimulation program to mothers	Dept. of Women and Child Development, Ministry of H.R.D., Govt. of India	Ongoing
9. Dave. P.	Girl Child and the Family	Dept of Women and Child Development, Ministry of H.R.D., Govt. of India	Initiated in 1990.
10. Mohite. P.	(i) Play profiles of children from 6–12 years	ICSSR, New Delhi	Ongoing

	(ii) Curriculum development and assessment for disabled children	ERIC (NCERT) New Delhi	Ongoing
	(iii) Learning Resource Centre	NCERT UNICEF New Delhi	in Progress
11. Mallya, I.P.	Evaluation of Child to Child Programs in rural settings of Gujarat and Rajasthan	Aga Khan Foundation in India	Completed in Sept. 1990
12. Baljit Kaur	(i) A follow-up study of the children of Baster	NCERT New Delhi	To be complited in May 1991
	(ii) Setting up of a Learning center for children with difficulties	IPCL Baroda	Ongoing
13. S. Rajalakshmi	Women's Development and Child Care Service : An experiment at evolving alternate models	Mahila Samakhya Society Dept. of Education Govt. of Gujarat.	To begin from May 1991
14. Kapadia, S. & Verma, A.	Self Esteem, Women and Development : Identifying Linkages	ICSSR New Delhi	Ongoing
15. Saraswathi, T.S.	IDRC - HDFS Network	IDRC, Canada	Ongoing in progress
16. Saraswathi, T.S.	UGC Department of Special Assistance (DSA)	U.G.C. New Delhi	Ongoing in Progress
17. Dave, P.D.	Girl Child & Faily	Dept. of Women & Child Development Ministry of H.R.D. Govt. of India.	Ongoing
Women Studies Research Centre			
18. Mehta, B.	Legal Literacy for Women of Santrampur Taluka	Women's Studies Research Centre	Ongoing
19. Mehta, B.	Communal Riots : Its effects on Women and their role in prevention & control	Women's Studies Research Centre	Ongoing

FACULTY OF SOCIAL WORK

1.	Saxena S.B.	Socio Economic Bench Mark survey of Gandhar Area villages (14) of Vaghra Taluka of District Bharuch, Gujarat.	I.P.C.L. Vadodara (A Govt. of India undertaking)	in progress
2.	Khasgiwala A.	Base line survey of Gandhar region Wagra Taluka, Bharuch.	I.P.C.L. Baroda	in progress
3.	Joshi S.	Experiment in Field Training for Social Development	U.G.C.	in progress

Visiting Lecturers

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

(A) Lectures dilivered under University Grants Commission Scheme of Exchange of Teachers .

Sr. No.	Name of the Lecturer	Date	Subject
FACULTY OF ARTS			
1.	Prof. Subbarao K.V.		Linguistic Universals
2.	Dr. Pandey P.K.		Phonology
FACULTY OF COMMERCE			
1.	Dr. Aran J. Prakash Prof of Finance & Chairman, Finance Dept. Florida International Univ., U.S.A.	25-3--91	(i) Advances in Business Finance
	Dr. Aran J. Prakash Prof of Finance & Chairman, Finance Dept. Florida International Univ., U.S.A.	26-3-91	(ii) Reaserch Seminar for Research Scholar & Faculty"
2.	Dr.Nambiar R.G. Prof. of Economics Sardar Patel Institute of Economics & Social Research Ahmedabad	7-3-91	(i) Effect of Tariffs of Foreign Trade.
3.	Dr.Nambiar R.G. Prof. of Economics Sardar Patel Institute of Economics & Social Research Ahmedabad	8-3-91	(ii) "East Europe Reforms & Developing Countries Trade Prospectus-AMedium Team Prospectus:
4.	Prof. Agrawal T.D. Executive Director, Institute of Finance New Delhi & Editor Finance India.	9-3-91	Changing Spectrum of Indus- trial Finance in India.

FACULTY OF FINE ARTS

1.	Gupte P.G. Planning Officer, (Retd) National Museum of Natural History New Delhi.	8-12-90 to 22-12-90	On Museum Secutiry Museum Administration & Architecture.
2.	Shri Raval M.H. Director of Archeology Govt. of Gujarat. Ahmedabad.	7-1-91 to	On Archeological Secener ion in Gujarat & Site Museum of Gujarat.
3.	Shri Gandhi M.N. Curator (Art & Planning). Prince of Wales Museum Bombay	4-3-91	On Planning and Prgramme of various types of museum exhibitions.

FACULTY OF HOME SCIENCE

1.	Shah Hina, Director ICECD, Ahmedabad	26-8-90	An Orientation to (i) Women as Entrepreneurs (ii) How to make success of one's Business.

(B) Lectures delivered under the Extramural scheme of the University

FACULTY OF ARTS

Department of Political Science

1.	Dr.Alexander Henn Heidelberg University	7-1-91	"The Emergences and Promise and Promise of Interpretive Social Science"

Department of Foreign languages

	Prof .Chakravarti C.N.	7-1-91	'Some Aspects of Russian as a Foreign Language in the Indian Context'

FACULTY OF SCIENCE

1.	Dept. of Biochemistry Dr. Dave J.R. Sr. Scientist Water Reed Army, Institute of Research Washington	19-11-90	(i) Vasopression & Alcohol abuse (ii) Oncogene

2.	Dept. of Geography Prof. Shinde S.D. Shivaji Univ Kolhapur	21-12-90	Changing nature of Geography
3.	Dept. of Mathematics Prof Chowdhary B. Head Dept. of Maths IIT. Delhi	20-12-90	Khop's Core Theorem
4.	Dept. of Microbiology Dr. Mody H.C. Span Research Centre, Bombay	13-12-91 14-2-91	(i) Antigen antibody reactions, monoclonal antibodies diag nostic applications (ii) Purification of biomolecules with special emphasis on immunological compounds.

FACULTY OF COMMERCE

1.	Raval R.K. Sr. Manager Foreign Department Bank of Baroda	24-12-90	(i) Bankers' Documenutary Letters of Credit"
		27-12-90	(ii) Bankers' Documenutary Letters of Credit"
		7-1-91	(iii) 'Fera-1947 Documantation in Foreign trade"
		24-1-91	(iv) 'Fera-1947 Documantation in Foreign trade"

FACULTY OF HOME SCIENCE

Clothing & Textile and Home Management Department (Joint)

1.	Rao P.H.	5.2.91	Market segmentation Market for disposable Non-Wovens

Department of Education & Extension

1.	Khan M.E.	5-12-90	(i) Large Scale sample survey as tool for data collection values (ii) Focus Interview-Need and Significance for researches today.

			(iii) Focus Interview: A new trend in data collection around the world.
	Department of Human Development and Family Studies		
3.	Verma A. Kanhere U. Shah K.	29-191	Panel Discussion on "The Girl Child in Gujarat
	Departmant of Home Management		
1.	Rao P.H.	29-1-91	Role of self mediication on the Health Care Process
2.	Singh N.P.		Servicing and personal selling as market strategy for sale of Hi Tech. Products with focus on Micro Computers.
FACULTY OF LAW			
1.	Mehta Y.	25-1-91	(i) Amending procedure in constitution of India. (ii) Federal Principle under Constitution of India.
2.	Dholakia H.C.	13-2-91	Jurisprudence
3.	Kapadia R.M.	22-3-91	(i) Income Tax Law
		27-3-91	(ii) Income Tax Law
FACULTY OF MANAGEMENT STUDIES			
1.	Neelamegham S. Faculty of Management Studies, University of Delhi Delhi	24-9-90	"Marketing Challenges of 90s.
2.	Singh D.P.N. Professor of Organisational Behaviour & Indistrial Relations Banaras Hindu University Varanasi.	20-2-91	"Stress Tension and Work Motivation".

3.	Madhukar H. Majmudar Chief Market Resesarh & Statistics, G.S.F.C. Baroda.	16-3-91	"Fertilizer Industry Prospects, Challenges and Issues".

FACULTY OF POLYTECHNIC

1.	Patel D.N. Development Manager Banco, Prod Ltd. Baroda.	25-3-91	"Machine Design".

(C) Lectures dilivered under any other Scheme

Sr. No.	Name of he Lecturer	Date	Subject
FACULTY OF ARTS			
	Department of Political Science		
1.	Prof. Patel A.J.	5-9-1990	"Contemporary Approaches to the Study of Political Thought".
	Prof. Patel A.J.	6 -9-1990	State and Civilization in Gandhi's Hind Swaraj".
2.	Dr. Koher Stanley Cato Institution, Washington, D.C.	26-11-1990	"Gorbachov's Reforms and International Change"
3.	Prof. John Dunn Cambridge University	(i) 6-12-1990	(i) "Property, Justice and the Common Good after, Socialism."
		(ii) 7-12-1990	(ii) "Freedom of Conscience. Expression and Religion
		(iii) 8-12-1990	(iii) "The Significance of the History of Political Theory"
		(iv) 10-12-1990	(iv) "Western Political Theory and the Understanding of Third World Political Experience".

4.	Dr. Henn Alexander Heidelberg University Germany.	8-1-1991	"Conceptions of the Other in Indian and Western Thought"

FACULTY OF SCIENCE

Department of Microbiology

1.	Dr.Khar, Ashok CCMB Hyderabad Microbiology	3-12-90 5-12-90	Animal cell cultures concepts & applications
2.	Dr. Kannap S. Span Research Centre, Surat	31-12-90 1-1-91	Biotech. Diagnostics, Art of protein structure determination.
3.	Dr. Nagaraja V. Indian Institute of Science Banagalore	3-1-91 5-1-91	Restriction-modification system. Various modes of gene regulation in prokaryotes
4.	Dr. Jenny, K. ETH, Zurich Murthy VVPS MKU Madurai	20-10-90 31--10-90	Jointly conducted lab. workshop on principles of biochemical engg.
5.	Dr. Gothoskar, CRI, Bombay	1-11-90 15-11-90	Lecture & conducted lab. exercises in basic immunology

Department of Chemistry

6.	Dr. Nobb	8-9-90	Photoinitiated polymerization of surface coatinmaterials: A study in applied science
7.	Dr. Avegard R.	26-9-90 28-9-90 1-10-90	(i) Two dimensional solubilisation in surfacant monlayers (ii) Olive Oil to crude oil (iii) Non-electrostatic salt effect at the interface
8.	Prof. Rastogi R.P.	29-11-90	Fascinating oscillatory reactions.
9.	Prof. Mehta G.	29-12-90	Organic synthesis today & tomorrow.
10.	Dr. Rosoman	19-1-91	Recent development in asymmetri synthesis.
11.	Prof. Wadia M.S.	23-1-91	Difference in reaction due to sodium & ammonium acetate

Department of Mathematics

12.	Dr. Foxley Eric Nottingham Univ. UK	12-3-91 13-1-91	Introduction to UNIX system.

FACULTY OF TECHNOLOGY & ENGINEERING

1.	Shri Mistry J.F. Consultant, SSNNL Ex. Secretary WRD	17-01-1991	Major Geotechnical problems at dam sites of Gujarat
2.	Dr. Deshmukh, A.M. Prof. of Civil Engg. Deptt Engg. College, Farmagudi, Goa.	22-3-1991	Design and Construction of minigrouted piles in Bombay region.

FACULTY OF HOME SCIENCE

1.	Kulkarni S.	6-8-1990	Writing Story Books for Young Children through Blbiotherapy
2.	Parikh M.	Dec. 20-22-1990	Head start today

FACULTY OF SOCIAL WORK

1.	Sexena S.B. National Institute of Personnel Management, Baroda, Chapter, Vadodara at Baroda Productivity Council, Vadodara.	1991	Social Research Methods
2.	Leadership Training Programme for Working Women at Bhagini Samaj Trust, Karelibaug, Vadodara.	12-3-91	Qualities of Leader ship Women.

FACULTY OF MANAGEMENT STUDIES

I-Semester (1990-92) M.B.A. Programme

During the I-Term of the year 1990-91

1.	Mr. George Kutty T.K.	Tax Laws
2.	Mr. Bapat V.P.	Excise Law, Sales Tax

3.	Mr. Maitra K.K.	Human Resource Management
4.	Prof. Singhal J.P.	Quantitative Methods
5.	Prof. Mishra Jaishree	Business Communication
6.	Prof. Patel P.J.	Business Environment
7.	Prof. Moudgil P.	Management Concept
8.	Prof. Sastry P.R.	Organisational Behaviour

Faculty of Arts

I. Courses of Studies

English Department	:	M.A. II Politics, Ideology and the Teaching of English
Linguistics Department	:	Semantics for M.A. Part-II
	:	Neurolinguistics for M.A. Part II.
History Department	:	Additional facilities of new option groups of subjects etc. provided during the academic year.

Political Science Department

T.Y.B.A.	1.	Introduction to Contemporary Political Thought
	2.	Indian Administration
	3.	Contemporary Security and Developmental Issues in India's Foreign Policy and Relations.
	4.	India and South Asian Regional Co-operation.
	5.	International Financial Organizations and the Third World: Problems and Prospects.
M.A.	1.	International Organization and Global Order Studies
	2.	The Third World in the International System.Security and Development Dimensions.
	3.	International Political Economy
	4.	Strategic Conflict and Peace Studies.
	5.	Administrative Theories and Practices
	6.	Comparative Public Administration in Developjng Countries.
M.Phil.		(Indian Government and Politics-Group D)
	1.	Issues in Indian Politics
	2.	State and Local Politics in India.

II. Published Articles/Papers :

Department of Gujarati

Sr. No.	Name(s)	Title		Name of Journal wherein published and Date of Publication
1.	Trivedi H. M.	(i)	સાહિત્યનો ભાષાલક્ષી અભિગમ	– 'તાદર્થ્ય' નવેમ્બર – '૯૦
		(ii)	સમાંતરતાની સંકુલભાતવાળું કાવ્ય – 'તે રમ્ય રાત્રે'	– 'તાદર્થ્ય' – માર્ચ – '૯૧
2.	Dave S. M.	(i)	મરણોત્તરના કંચન–વર્ણન – ફિનામિનોલોજીકલ અભિગમની દૃષ્ટિએ.	–'તાદર્થ્ય' સપ્ટેમ્બર '૯૦
		(ii)	માજા વેલાનું મૃત્યુ – સર્જક – લક્ષ્યની દૃષ્ટિએ	– 'તાદર્થ્ય' માર્ચ – '૯૧
3.	Desai L. M.	(i)	ગુજરાતી સાહિત્યકારો વટપુરક્ષેત્રે	– 'વાગર્થ' (૧૯૮૦ થી ૧૯૯૦ના દાયકાની સાહિત્યિક અને સાંસ્કૃતિક પ્રવૃત્તિઓ અને લેખોનો સંચય) પ્રેમાનંદ સાહિત્ય સભા, વડોદરા, – જૂન ૧૯૯૦
		(ii)	ગુજરાતી રંગભૂમિના પ્રયોગશીલ નાટકો	– 'અનુભાવન' ધ્રાંગધ્રા. ઓક્ટો. – નવે. ૧૯૯૦
		(iii)	તખ્તાતંત્રના કસબીની સર્જકતા	– 'પ્રત્યક્ષ' વડોદરા જાન્યુ– માર્ચ ૧૯૯૧
		(iv)	'કાદવિયાં' એકાંકીના સર્જક સુન્દરમ્	– 'તાદર્થ્ય' સુન્દરમ્ વિશેષાંક. ૧૯૯૧, માર્ચ.
4.	Panchal S. J.	(i)	સર્જકની જવાબદારી	– 'એતદ્' એપ્રિલ–જૂન–'૯૦.
		(ii)	સાંપ્રત પ્રશ્નો અને સાહિત્ય.	– 'એતદ્' જુલાઈ–સપ્ટે. ૧૯૯૦
5.	Pandya S. N.	(i)	'હું' જી – કાવ્યનું મૂલ્યાંકન.	– 'તાદર્થ્ય' સુન્દરમ્ વિશેષાંક માર્ચ– '૯૧

6.	Parmar J. L.	(i)	ધરતીમાં ધરબાયેલું બીજ – વ્યક્તિચિત્ર.	– 'પિતૃતર્પણ' ડિસે. '૯૦
7.	Soni R. K.	(i)	પ્રમાણભૂતતાને ન્યૂન કરતી મનસ્વિતા	– 'એતદ્' જુલાઈ–સપ્ટે. ૧૯૯૦
		(ii)	સાહિત્ય સામયિકો–શું–આપણે ત્યાં, શું અમેરિકામાં.	– 'એતદ્' ઓકટો.–ડિસે. ૧૯૯૦.
		(iii)	ગુજરાતી ટૂંકી વાર્તા (નવમા દાયકાની)	– 'પરબ' ફેબ્રુઆરી ૧૯૯૧.
8.	Lele V. S.	(i)	કાવ્યમીમાંસામાં ચર્ચાયેલી કાવ્યપઠન પદ્ધતિ	'સામીપ્ય', એપ્રિલ–સપ્ટે. ૧૯૮૯ (પ્રકાશિત ૧૯૯૦)
		(ii)	શ્રીમંત મલ્હારરાવ ગાયકવાડ વિશેનું એક ઐતિહાસિક કાવ્ય	'સ્વાધ્યાય' એપ્રિલ–સપ્ટે. ૧૯૮૮ (પ્રકાશિત ૧૯૯૦)

Department of Hindi

Pathak R.D.		Himalayaki Barfili Chotiyonka shaili Vigyan atamak Vishleshan.	Journal of M.S, University Humanities. Number 37-38, July -90

Department of English

Kar P.C.		Paul de Man and the Rhetoric of Unreadability	Literature & Popular Culture ed. R.S. Sharma (Hyderabad, 1990)
Palkar S.G.	(i)	Norman Mailer's The Naked and the Dead : A Feminist Reading	Journal of M.S. University of Baroda (Humanities) Volume XXXVI, XXXVIII No. .1 July 1990.
	(ii)	Breaking the silence : Shashi Deshpande's That Long Silence	Feminism and Recent Fiction in English.ed.S.S. (New Delhi, Prestige Books, 1991)
Joneja O.P.	(i)	Alice Walker	Prespectives in post 1940 British & Americal Literature Eds. S. Kandaswami & R. Nair (Bombay : Academic Publishers, 1990)

	(ii)	The Theory of the Novel of Colonial Consciousness	On Literature Ed. Jaidev (shimla: Indian Institute of Advanced Study, 1990)
	(iii)	The Purple Colour of Walker Women, Their Journey from Slavery to Liberation	Literary Criterion Vol, XXI, NO. 3 1990.
Pandya S.P.		Bharati Mukherjee's Darkness Exploring the Hyphenated Identity	The Quill: The Asian Writers' League Journal Manila, vol, 2, NO. 2, 1990.
Parikh B.A.		The Celebration of Black Womanhood in Gloria Maylor's The Women of Browater Place	Indian Journal of American studies Vol, 20, No.1, Winter , 1990
Salat M.F.	(i)	The Fabular Fiction of Roch Carrier	GUETA Journal of English Studies 1. (1990)
	(ii)	History as His story: Rudy Wiebe's the Temptations of Big Bear	The Journal of M.S. University of Baroda (Humanities Number) 37-38 (1988-89) Issued in July 1990.

Department of Sanskrit, Pali & Prakrit

Nanavati R.I.	(i)	Ultimate Principle According to Alamkara and Riti Schools etc.	"Ultimate in Ancient Indian Thought & Discipline" Ed. Prof. Dr. Mrs. S.S. Darge. Bombay University, 1991, 1st, Edn.
	(ii)	The Age of the Vidusaka	"Prof Rammurti Sharma Felicitation Volume". Delhi, 1990.
Deshpande U.S.	(i)	Position & Status of Women in Early Upanisads.	"Bhartiya Vidya" July 1990.
Jani J.A.	(i)	નવરસરુચિતા ભક્તિ	Souvenir-Vallabh Foundation Trust, May ,90
	(ii)	Contribution of Suresvaracarya with Sp. ref to pancikaranam	Prof. Rammurti Sharma Felicitation Volume, Delhi , 1990.

Department of Urdu, Arabic & Persian

Zaheer A.		Urdu Adb Par AlamiAsarat	Gubun Bi-Monthly, Ahmedabad. Vol. 3. No. 3 May-June, 1990.
Ahmed M.	(i)	A Critical study of Arab-O-Hind Ke Taallugat	Journal of the Oriental Institute, Vo. XXXVII, March-June, 1988 (Issued in April,1990) Baroda.
	(ii)	The Origin and Development of Arabic Journalism.	Islam and the Modern Age, August, 1989(issued in May, 1990) Delhi.
	(iii)	Prophecies of Prophet Mahammad (S.A.W.)	Islamic Voice, October, 1990, Banglore.
	(iv)	Introduction of the Hijra Calender	Journal of the M.S. Uni. of Baroda vol.37-38,1988-1989, No.1 (issued in October, 1990
	(v)	Sayyid Amir Ali Ki Spirit of Islam Ka Tangidi Matalaa.	Tahgigat-i-Islami, Oct-Dec,. 1990, Aligarh
	(vi)	Dirasatum Nagdiya li Ruhil Islam.	Thagafatul Hind, Vol.2, 1990 (issued in January, 1991) Delhi.
	(vii)	Quran-I-Kajid ke Imla Aur Qawaid se Mutallig Bag Masail Ki Taugih.	Tawazun, Vol, 21, 1991 (Jan-March, 1991), Malegaon.

Department of Lingusitics

Modi B.V.	The Relationship between Phonology and Morphology.	Journal of Oriental Institute Vol, 38 Nos, 3-4 (1988) Published in 1991.

Department of Archaeology and Ancient History

KTM Hegde Sonawane V.H. Bhan K.K. Ajitprasad Krishnan K.	Excavation at Nagwada-1987-88 A Preliminary Report	Adaption and other N.C. Ghosh and Subrata Chakrabarti, (Proceedings of the Archaeological Confer ence 1988 held at Visva Bharti, Santiniketan, Dec. 1990 Page Nos. 191-195.

Sonawane V.H.	The antiquity of pulley shaped Terracotta Ear Studies of Gujarat.	Indian Archaeological Heritage Eds. C. Margabandhu et al, (Shri K.V. Soundaarajan Felici tation Vol,) New Delhi, 1991, page no. 225-231.
Ajitprasad P. Hegde K.T.M.	Prehistory of the Orsang Valley	Journal of Ancient History Calcutta University , Vol. XVIII Published in January 91.

Department of Philosophy

Joshi H.M.	Social Philosophy of Dr. S. Radhakrishnan	Journal of L. D. Institute of Ideology Ahmedabad, Feb 91.

Department of Economics

Dadi M.M.	Growth Pattern of Small Small Scale Industrial Units in the Districts of Vadodara and Kheda.	Journal of M.S. University of Baroda December (Social Science Number)
Kothari V.N.	(i) Development : Backwash Effects of Growth".	Economics Times 20th August 1990.
	(ii) "Private sector Maga Indistries in Gujarat.	Seminar Proceedings: Seminar on Guiarat in the Decade of Nineties. Chamber of Commerce, Surat & Institute for Social Studies, October 5-6-7, 1990
Shah M.	(i) Growth of School Enrolment in India"	Journal of Indian School of Political Economy May-August 1990 Vol.2 No. 2
	(ii) Causality between Export Growth and Industrial Development An Application of Sim Test to Indian Experience.	International Journal of Development Planning Literature, Vol.4.1989 (Published in May 1990).
	(iii) Recent Developments in the Theories of Consumer Behavious Under Uncertainty	The Gujarat Economics Association 20th Annual conference No. 1990.

	(iv) Human Resources Development in Saurashtra.	Economy of Saurashtra Problems and Prospectus December 1990.
Kantawala B.S.	(i) Dynamics of India's Invisible Trade	The Economics Times 25th May Friday 1990.
	(ii) Structural Change in Indian Exports with reference to various Countries : Comparative Studies.	Finance India Journal of the Indian Institute of Finance, New Delhi, June, 1990.
Joshi S.M.	Indicators of Monetary Policy-M1 or M3 some Arguments of evidence.	PRANJAN. Vol, XIX,No. 2, 1990 April-June

Department of Political Science

Pantham T.	Understanding Nehru's Political Idelogy	In The Nehru Legacy, ed. A. Ray et al. (New Delhi: Oxford and IBH, 1991)
Nandedkar V.G.	**Book Review**	
	(i) Bureaucracy, Organizational Behaviour and Development by Prof. Prayag Mehta.	Vikalpa IIM Ahmedabad, Vol. XVI Jan, March 1991
	(ii) Poverty Tribals and Development: A Rehabilitation Approach by Dr. Anil Bhatt	Indian Journal of Public Administration New Delhi Vol. XXXVI No. 2, April-June 1990
	Articles in Books	
	(i) Voluntary Association and Development	Marina Pinto and R. Srinivasan (ed) "Development and Administration Himalaya Publishing, Bombay,1990
	(ii) District Planning Praxis and Perspectives	Rakesh Hooja and P.C. Mathur ed. District and Decentralized Planning Shyam. Jaipur, 1991
Patel P.M.	Can 'Mandals Achieve Development and Social Justice?"	Indian Book Chronicle Vol. XV, No. 7 July 1990, pp. 5-7.

III. Published Books & Monographs

Name(s) of Author(s)	Title of Book/Monograph/ Monographed Report	Name of Publisher and Date of Publication
Department of Gujarati		
Soni R. K.	– સંપાદક : 'પ્રત્યક્ષ' સમીક્ષાનું ત્રૈમાસિક–માર્ચ–૧૯૯૧થી પ્રારંભ	સ્વયં – માર્ચ–૧૯૯૧.
Department of English		
Vanikar R.V.	Crossroads	Oxford University Press, 1991.
Department of Sanskrit, Pali & Prakrit		
Nanavati R. I.	– હેમવાઙમયવિમર્શ (સંપાદન : અન્ય સાથે)	ગુજરાત સાહિત્ય અકાદમી, ગાંધીનગર, ૧૯૯૦
Deshpande U.S.	Svanubhuti Natakam (MS-Study Cr. edn)	Bhandarkar Oriental Research Institute Poona, 1990.
Department of Persian, Urdu and Arabic		
Ahmed M.	Arabic Teacher I	Islamic Voice, Bangalore(June 1990)
Department of Philosophy		
Joshi H.M.	Philosophy of K.C. Bhattacharya (In Gujarati)	University Granth Nirman Board, Ahmedabad, August' 1990.
Department of German		
Gupte N.	Deutschsprachige Phantastik 1900-1930	Die Blave Eule, 1991.
Department of Political Science		
Rana A.P.	(i) The Study of Inter national Relations in India. Conference and Colloquia Reports	UGC Special Assistance and Ford Foundation Programmes in International Relations Studies Dept. of Political Science, M.S. University, Baroda 1990.
	(ii) UGC National Report on Curriculum Development in Political Science	University Grants Commission, 1991

Anadkat N.	Michael Bakunin: Philosophy of Anarchism (Monograph in Gujarati Language)	Gujarat University, Granth Nirman Board, Ahmedabad in 1990-91
Mavalankar A.	Peter Kropotkin- A Communitarian Anarchist Thinker (in Gujarati)	Ahmedabad: University Granthanirman Board, Gujarat State, 1990

Faculty Publications :

1.	Studying international Relations : the Baroda perspective, Vol. III. No. 3, 1990.	A.P. Rana	Annual
2.	The Ford Foundation Lectures in International Relations studies for 1990 on "North -South Relations in the Post-Cold War Era: Geneology Dynamics, Emergin a Prospects" delivered by Prof. Rebert L. Rothstein, Colgate university, New York, U.S.A.	Brought out under the auspices of the Ford Foundation Programme in International Relations Studies Dept. of Political Science.	Annual series of three Lectures

IV. Papers presented at Professional levels, Seminars, Conferences, etc.

Department of Gujarati

Dave S. M.	Gujarati Philosophical 10th Conference Kayavarohan, 26-27, Jan' 91.	કલા અને વાસ્તવ – જોસેફ મેકવાન કૃત 'આગળિયાત' નવલકથાના સન્દર્ભે.

Department of Hindi

Pathak R.D.	(i)	U.G.C. Seminar at the Department of Hindi Mahadve Desai Samaj Vidya Bhavan Gujarat Vidyapith, Ahmedabad. June 1990.	Gujri Aur Uske Kavya Roop.
	(ii)	Annual Convention of Gujarat Hindi Pradhyapak Parishad at Mehsana, June 1990.	Swatantryottar Hindi Upanyas.

Department of English

Kar P.C.	(i) Seminar on Camus and Humanism, French Embassy New Delhi Sept. 19–21, 1990	Camus and the Collapse of Humanism.
	(ii) Seminar On Comparative Aesthetics, Department of Art History, M.S. University of Baroda 2-5, Jan, 1991.	New Historicism and the Old Problem, Can new Historicism be a Substitute for Deconstruction ?
	(iii) Seminar on Women Novelists Somaiya College, Bombay. 28th Feb. to 2nd March, 1991.	Feminist Literary Theory.
Palkar S.G.	(i) Seminar on Politics, Ideology and Teaching of English Department of English M.S. University of Baroda 16-18 Feb. 1991	Politics, Ideology and Teaching of English: An Introduction.
	(ii) Seminar on Women Novelists Somaiya College, Bombay 2-4 March 1991.	Breaking the Silence: Shshi Deshpande's That Long Silence
Joneja O.P.	(i) Canadian Studies Seminar Bharthi dasan Univarsity Tiruchi. 5-8 Jan '91.	Canadian Studies Indian Parallaxes.
	(ii) Seminar of Politics, Ideology and Teaching of English 16-18 Feb. 1991.M.S. University of Baroda.	Towards the Theory of Colonial Consciousness
Pandya S.P.	Symposium of Asian Voices in English, Hongkong. April, 27-May 1, 1990	Bharati Mukherjee's Darkness
Parikh A. B.	Seminar on the Novelis and the Political Milieu: A Study of Indian English University of Jodhpur March14-16, 1991.	Historicizing India in Rich Like Us: India of the Masses versus India of the Elite.

Salat M.F.	National Dream and Regional Realities: Canada and India Bharatidasan University, Tiruchhirapalli, 5-8 Jan 1991.	Rudy Wiebe and the Indian Past.
Bhati K.P.	(i) All India English Teachers Conference University of Madras December 28-31, 1990	Harnessing the English Studies"
	(ii) Canadian Studies Seminar, Bharatisadan University , Tiruchirapalli, Jan-5-8-1991	Ethnic or Mainstream? The Queer Case of Michael Ondaatie's Running in the Family.
	(iii) Seminar On Politics, Ideology & The Teaching of English, Department of English, M.S. University of Baroda, Feb. 16-18 1991	Towards a Project of Cognitive Emancipation
	(iv) Seminar on the Novelist and the Political Milien: A Study of Indian English 14-16 March, 1991	Episodes in the History of A Functioning Anarchy: Range Rao's Fowi Filcher

Department of Sanskrit, Pali & Prakrit

Nanavati R. I.	(i) વિશ્વકવિતા પરિસંવાદ : ગુજરાતી સાહિત્ય પરિષદ, અમદાવાદ તા. ૧૩–૧૫ જુલાઈ ૧૯૯૦	'બાણભટ્ટનું ગદ્ય'
	(ii) 33rd International Congress of Asian & African Studies Toronto (Canada) 19-25 August, 1990	Marital Status of the Nymph Urvashi in Kalidasa's Vikramana-siyam
	(iii) VIIIth World Sanskrit Conference Vienna (Austria) 27th Aug-2 Sep. 1990.	Chayasakuntalam: The Motif of Chaya in Sakuntalam.
	(iv) National Seminar on Comparative Mythology, Bombay University, Sanskrit Department, 17-19 Jan. 91	Demnology in the Ramayana

Deshpande U.S.	(i)	Gujarat State University & College Sanskrit Teachers' Association Annual Session, Shamlaji, 28-30 March, 1991.	Ganesa-Tosint (A MS Study)
	(ii)	National Seminar on Yajnavalkya Smruti Department of Sanskrit, University of Mysore, Mysore 1-3-March 1991.	Human Ideals as presented in yajnavalkya Smruti
	(iii)	AIOC, 35 Session Gurukul Kangdi, Hardwar, November 1990.	H.H. Vasudevanandji's Contribution to Sanskrit Literature.
Jani J.A.		Seminar on Modern Sanskrit Lite. Department of Sanskrit, S.P. Univallabh Vidyanagar, 28-30 Jan. 1991.	A Modern Bhagvata
Pandya B.P.	(i)	AICO, 35 Session, Gurukul, Kangdi Hardwar, 16-18 Nov. 1990	Pandit Badrinath K. Shastri-Life & Works
	(ii)	Seminar on Modern Sanskrit Lit. S.P. University, Vallabh Vidyanagar 28-30 Jan, 1991.	Pandit Ramananath Shastri-Life & Works
	(iii)	GSUCSTA- 16th Session, Shamlaji 27-29 March, 1991.	દીપશિખં કાલિદાસમ્ – અપ્રકાશિત સંસ્કૃત કાવ્યની સમીક્ષા.
Joshi L.M.	(i)	AIOC, 35 session, Gurukul Kangdi, Hardwar, 16-18 November 1990.	Bhaskaracwarya's Contribution to Tantasastra
	(ii)	GSUCSTA-16th session Shamlaji, 27-29 March, 1991	મન્ત્રવ્યાખ્યાનું શાસ્ત્રીય પરીક્ષણ.
Lele V.S.	(i)	AIOC, 35 Session, Gurukul Kangdi, Hardwar, 16-18 November 1990.	Some Less Known Alamkars in sanskrit Poetics.
	(ii)	GSUCSTA-16 Session, Shamlaji, 27-29 March 1991.	અલંકારમંજૂષા – એક પરિચય.

Department of Persian, Urdu & Arabic

Zaheer A.	U.GC Seminar "Gujari Bhasha Sahitya : Hindi-Hindustani Aur Urdu Ke Vikas Mein yog Dan Department of Hindi and Urdu, Gujarat Vidyapith, Ahmedabad. 25th February to 28th February 1991.	Walli Gujarati Aur Urdu Gazal

Department of Archaeology and Ancient History

SonawaneV.H.	(i) Annual Conference of Indian Archaeological Society and Indian Society for Prehistroic and Quaternary Studies. Vivekanand Memoriaal Trust, 11-13 Nov. 1990 Kanyakumari.	Harappan Gold ornaments from Nagwada, Gujarat.
	(ii) Rising Trends in Palaeoanthopology Environmental Changes and Human Response: Last Two Million Years Department of Archaeology Deccan College, Pune 19-23 December 1990	Harappan Settlements of Rupen Estuary, Gujarat.
	(iii) Rock Art, Rashriya Manav Sangrahalaya Bhopal 7-9 January 1991, Bhopal	Role of Rock Art in Indian Prehistory.
Bhan K.K.	International Seminars on Raising Trends in Palaeoanthropology Environmental Changes and Human Response Dec. 1990, Poona.	Pastoral Adaptation in the Late Harappan Tradition of Western India, with specific reference to Gujarat.
Ajitprasad P.	XVIIth Annual Conference of the Indian Society for Prehistoric and gional Approach. Quarternary Studies and Indian Archaeological Society Vivekananda Memorial Hall, Kanyakumari 11-13 November. 1990.	Acheulian Culture of the Orsant Valley A Re-

Parekh V.S.	West Zone Cultural Centre. Baroda. 20/21 September, 1990	National Policy on Culture.

Department of History

Bajpai G.	Indian History Congress 51 st session: Calcutta December, 1990.	Translation in Economy and Social Change in British Gujarat. Cast Study of Bulsar Taluka, Surat Collectorate during 1870 and 1900.

Department of Philosophy

Joshi H.M.	Inter Disciplinary Study in Language, Literature and Social Sciences, Saradar Patel University 22-24 May, 1990.	Literature Existentialism and Philisophy
Vyas N.J.	(i) Tenth Session of Gujarat Tattvajnana Parishad of M.S. University of Baroda. 26-28 Jan. 1991.	"Samajvada kaya Marge (in Gujarati)"
	(ii) Ramkrishna Vivekananda kendra, Baroda 16.2.1991	Ramkrishna and His Humanism.

Department of Economics

Kothari V.N.	(i) Gujarat in the Nineties Chamber of Commerce, Surat & Institute for Social Studies, Bombay 5.6.7 October 1990 at Surat.	Private Sector Mega Industries in Gujarat.
	(ii) Western Regional Seminar on National Agricultural Policy Institure of Rural Management Anand, 10,11,12 January-1991.	A Note on Subsidies and Price Incentives.
Shah M.	Seventh International Seminar on Canadian Studies, January 5 to 8, 1991, Bharathidasan University, Tiruchirapalli.	Regional Inequalities in Canada.

Rede L.A.	U.G.C. Sponsored National Seminar on "Consumerism for Better Quality of Life " Home Management Department Faculty of Home Science, The M.S. University of Baroda. 18-19 December 1990.	Consumption-Expenditure Studies, Family Welfare and Poverty in India.
Nanavati A.U.	(i) Seventh International Seminar on canadian studies, Bharathidasan University & Indian Association of Canadian Studies. January 5th -8th 1991 Tiruchirapalli.	Population Aging and Associated Transfer Payment in Canda.
	(ii) U.G.C. National Seminar on Regionalisation of Agriculture in India, Shri Venkateswara University. 7th to 9th March 1991 Tirupati.	Inter District Variation in Agriculture Productivity and Process of Regionalisation of Agriculture in Gujarat 1970-71 and 1984-85

Department of German

Gupte N.	(i) Seminar on Texts and Contexts in German Tradition German Language Society, M.S.University. 1990.	The Dynamics of Reception and Literary, A Case of the German Fiction of the Fantastic.
	(ii) Seminar on Comparative Aesthetics and Criticism of the Contemporary Arts. Department of Art History & Aesthetics, M.S.U. 1991.	The Critical Literary Science. An Introduction to its method with a refernce to Significance in Context.

Department of Political Science

Pantham T.	(i) Seminar on German Social Theory, Dept. of German, M.S. University of Baroda August 25-26, 1900	Habermas
	(ii) Seminar on Aesthetics and Art History, Faculty of Fine Arts, M.S. Uni. of Baroda January 2-4, 1991	Impact of Colonialism on our Perceptions of Culture
	(ii) Workshop on Theories of Emancipation, The Institute of	Postrelativism in Emancipatory Thought : Gandhi's

		Social Studies, The Hague, Netherlands, January 30-February 1, 1991	Swaraj and Satyagraha
	(iv)	Seminar on Recent Trends in Political Science, Sardar Patel University: March 4-5 1991	Reflections on Postmodern Political Inquiry
Rana A.P.	(i)	International Seminar on "Gorbachev's Reforms and International Change", School of International Nehru University, New Delhi, Nov. 14-17, 1990	Security and Developmental Theory and Praxis, and the Restructuring of Third World Foreign Policy Orientations: A Prolegomenon.
	(ii)	"The Indo-Soviet Quest for Peace and Development : The Role of India and the Soviet Union", Indo-Soviet Joint Commission for Cooperation in the Social Sciences, the Indian Council of Social Science Research, New Delhi and the Academy of Sciences, Moscow, USSR, 3, October 1990 to 12 October 1990	The Indo-Soviet Quest for Peace and Development: a Coneptural Frame work and Review.
	(iii)	National Seminar on UGC' s National report on Curriculum Develop ment in Political Science". University Grants Commission, Indian Law Institute, New Delhi, 9 January 1991.	Presentation of the UGC National Report on Curriculum Development in Political Science.
	(iv)	International Inter disciplinary Seminar on"The United States and India After the Cold War: Research Agendas in History, Political Science and International Relations" (Commemoration of 40 years of the Fulbright Programme in India.) American Studies Research Center, Hyderabad, Januay 11-12, 1991	The United States and India After the Cold War : Rethinking Foreign Policy Orientations.

	(v)	International Roundtable on "Fulbright Exchanges and Beyond: USEFI'S Agenda for the Future" (Commemoration of 40 years of the Fulbright Programme in India), United States Educational Foundation in India. Bombay, January 22-23, 1991.	New Realities, Fresh Appoaches: Academic Appraisal of the Fulbright Programme.
	(vi)	UGC Seminar on "Recent Trends in Political Science, Dept. of Political Science, Sardar Patel University Vallabh Vidyanagar, March, 1991	"UGC Curriculum Development Programme : Modernisation of Syllabi in Political Science.
Nandedkar V.G.	(i)	International Workshop on Development of Intermediate Cities, 29 Nov. -2Dec. 1990 Vadodara, All India Institute of Local Self Govt. Bombay	Intermediate Cities: Planning for Effective Services
	(ii)	Recent Trends in Political Science, Dept. of Political Science, SP University, V, Vidyanagar, 4-5 March 1991	Theme Paper: Development Administration Urban-Rural
	(iii)	Voluntary Organizations and Development, Dept. of Public Administration, Marathwada University, Aurangabad, March 25-27, 1991	VoluntaryAssociations: A Strategy
	(iv)	Managing Metropolitan "Development, IIPA and LGS Institure, 30 March 1991	Citizen Administration Interface: Little City Hali
Mohite D.	(i)	Institure of International Cooperation and Conflict Studies, University of Wisconsin, Madison. USA 11 July, 1990 to 22 July	The USA and the Third World

	(ii) Dept. of Political Science, S.V. Patel University, Vallabh Vidyanagar, March4-5, 1991	The Post Cold War U.S. Policy and India.
Shukul H.C.	Seminar on Recent Trends in Political Science organized by Political Science, Departent, S.P. University V.V. Nagar March 4-5, 1991	India's Role in Post-Gulf Order
Anadkat N.	National Seminar on Recent Trends in Political Science organized by the Dept. of Political Science. Sardar Patel Univrsity, Vallabh Vidyanagr on 4-5March 1991	Read Two Papers: 1. A New Trend: Postmodernism and Inter National Relations 2. Postmodernism: An Overview
Mavalankar A. P.	American Foreign Policy Since World War II; Organised by Indian Association for American Studies, XXV, Annual Conference, 22 March to 24 March 1991	American Foreign Policy Since World War II: The Idealist-Realist Divide. The paper was sent to the conference; I was not able to be at due to pressing teaching and other commitments in the University.
Misra M.	Recent Trends in Political Science, organized by the Department of Political Science, Sardar Patel University Vallabh Vidyanagar, 4-5 March 1991	Administration of Water Supply in District Vadodara
Patel P.M.	(i) "A Seminar on Curriculum Development in Higher Education" Organized by the Department of Education, University of Kerala, Trivandrum, 23-26 July, 1990.	Nature and Scope of Innovations in Curriculum Development in Higher Education in Gujarat

(ii)	Seminar on "Next Decade of Gujarat" organized by Gujarat Samajshastra Mandal, at H.K. Arts College, Ahmedabad, during 29-30 September 1990.	Politics of Gujarat in 90's.
(iii)	National Conference: 47th All India Conference of Political Science organised by Indian Political Science Association of the Department of Political Science, Vikram University, Ujjain, during 27-29 December 1990.	Theoritical Implications of the Recent Reversal of Socialism.
(iv)	A Seminar on : Recent Trends in Political Science" organized by the Department of Political Science, Sardar Patel University Vallabh Vidyanagar, during the 4-5 March, 1991.	Advances in Conceptions

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

Name of the Teacher	University /Institution and Date	Title of the Lecture.
Joneja O.P.	(i) University of Manitoba 2 March , 1991	In the Crucible of Multiculturalism in the case of Bharati Mukherjee and Rohinton Mistry.
	(ii) University of Alberta 7March ,1991	The Novel of Colonial Consciousness
	(iii) Simon Fraser University 14 March 1991	The colonial Hybrid in India. Affican and West Indian Novel in English.
	(iv) York University 19th March, 1991	The Novel of Colonial Conscioueness
	(v) Guelph University 27th March, 1991	History and Fiction in the Novel of Colonial Consciousness
	(vi) Indian Institure of Advanced study **Shimla 26th July,1990	The Novel of Colonial Consciousness.

	(vii) Shastri Indo-Canadian Institution of New Delhi 16th August, 1990.	The Academic Resources in Canadian Studies.
	(viii) University of Alberta College of Extension Education at Slave Lakes 6th March, 1991.	
Kar P.C.	(i) Academic Staff College University of Poona May 16-23 1990.	Seven lectures on Modern Fiction and Critical Theroy
	(ii) Academic Staff College University of Poona June 15-22 1990	Seven Lectures on American Literature and Modern Criticism.
	(iii) Academic staff college University of Mysore July 9-11, 1990	Five lectures on Modern Fiction and Critical Theroy.
	(iv) Academic Staff College University of Lucknow August 17-18,1990	Four Lecture on-American Literature and Contemporary Critical Theory.
	(v) Cotton College Guwahati Third Profesor Anadeswar Sharma Memorial Lecture August 30,1990.	American Fiction Today.
	(vi) Academic Staff College, Gauhati University, August 31, Sept, 4, 1990	Eight lectures on American Literature, Modern Fiction, Critical Theory and New Methodologies in Social Sciences.
	(vii) Academic Staff College University of Rajasthan 10-12, September, 1990.	Six lectures on Literature and Philosophy Literature and Psycholog, Mannerism and Impressionism.
	(viii) Berhamur University Orissa October 28-Nov.90.	Visiting Professor and gave lectures on American Literature and Modern Criticism.
	(ix) South Gujarat University Surat Nov. 30, 1990	T.S. Eltot and Modernism

(x)	Academic Staff College University of Poona 29 Jan , 1991.	Gave 7 lectures on Modern Fiction and Theory
(xi)	Seminar on the Poetics of the protest novel S.P. University Vallab Vidyanagar Feb. 14, 1991	Gave Keynote Address "The Poetics of Protest".
(xii)	Academic Staff College Central Institute of English and Foreign. Lanuages, Hyderabad 21-23, February, 1991	Gave 5 lectures on Current Trends in Literarure.
(xiii)	S.P. University Vallabh vidyanagar March 21, 1991.	Gave lectures on Current Trends in Fiction.

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Sr. No.	Name of Person	University/Institution and Date	Title of Lecture
1.	Trivedi H. M.	(i) ગુજરાત યુનિવર્સિટી યુવા તાલિમ – શિબિર ૧૦.૭.'૯૦	– અભિવ્યક્તિ સજજતા.
		(ii) કે.કે. કડકિયા આર્ટ્સ એન્ડ કોમર્સ કોલેજ – ૨૧.૯.'૯૦	સાહિત્ય અને સમાજ.
		(iii) ગુજરાતીનો અધ્યાપક સંઘ તથા આદિવાસી – નવે. '૯૦	–સાહિત્ય વિવેચન – તેના આવશ્યકતા, પ્રક્રિયા અને તેનું સ્વરૂપ.
		(iv) 'અક્ષરા' વડોકરાનું છઠું સત્ર, ખોલવડ કોલેજ, ખોરવડ – ૨૩,૨૪ ફેબ્રુઆરી '૯૧	(૧) સાહિત્યનાં સ્વરૂપો (૨) ઉર્મિકાવ્યનું સ્વરૂપ.
2.	Desai L. M.	(i) 'અક્ષરા' વડોદરા, દ્વિતીય નાટ્યશિબિર, ૫, ૬ જાન્યુઆરી, '૯૧	– 'જાલકા' સાહિત્યકૃતિ તરીકે.
		(ii) ફેકલ્ટી ઓફ એજ્યુકેશન અને સાઈકોલોજી તા. ૮–૩–'૯૧.	– સમૂહમાધ્યમો.
3.	Pandya S. N.	કવિશ્રી દયારામ જન્મજયંતી મહોત્સવ, ડભોઈ.	– 'ભકત કવિ દયારામ'

	Parmar J. L.	U.G.C.ની કોહસિપ યોજના હેઠળ આર્ટ્સ અને કોમર્સ તલોદ મુકામે અપાયેલા બે વ્યાખ્યાનો–૧૯.૧.'૯૧	'વળામણાં' નવલકથા તરીકે 'ચહેરા' મૂલ્યાંકન.
4.	Soni R. K.	(i) Novels of Local Colours ઉપરનો પરિસંવાદ, ઉત્તર ગુજરાત યુનિવર્સિટી–માણસા કોલેજ–૯ – નવે. '૯૦	– 'કંકુ' – પન્નાલાલકૃત નવલકથા પર.
		(ii) સ્નાતકકક્ષાના અભ્યાસક્રમ અંગેની કાર્યશિબિર ઉ. ગુ. યુનિ., માણસા કોલેજ, ૨૬–૨૭ માર્ચ '૯૧	– સ્નેહરશ્મિની ટૂંકી વાર્તાઓ અંગે.

Department of Political Science

Pantham T.	(i) Academic Staff College, JNU, New Delhi July 16, 1990	(i) The Study of Modern Indian Plitical Thought (ii) Gandhi's Polical Thought.
	(ii) Academic Staff College, Goa University.	(i) Problems of Ethnocentrism in Political Theory. (ii) Problems of Relativism in Political Theory (iii) Underetanding Gandhi's Political Thought (iv) Rawls's Theory of Justice.
	(iii) Foundation Nationale Des Sciences Politiquae, Paris: February 11, 1991.	An Introduction to Gandhi's Political Thought
	(iv) Gujarat Vidyapeeth, Ahmedabed: March, 26, 1991	A Postrelativist Reading of Gandhi
Rana A.P.	(i) Department of Political Science, Goa University February 11, 1991	Two talks on : "Post-War Developments in the Theoretical Study of International Relations A Contemporary Evaluative Typology

	(ii)	Dept. of Civics and Politics, Bombay University, August 13-14, 1990	(i) A Profile of Curricula in International Relations Studies, and the Status of the field :The Indian context. (ii) The International Relations Study of the Political University.
	(iii)	Dept. of Political Science, Jamial Millia Islamia, New Delhi (National Video-Taped Lectures recorded at Jamia for the UGC's National Programme of Video-Tape Courses in Political Science). February 24, 1991	Two lectures on: The Altering Nature of World Politics and its Impact in Global Order in the 1990". (Lectures summing up and concluding the Series)
	(iv)	Forum on Society, Science and Culture, Baroda, 22 September 1990	The Decline of the Cold War and its Implication for World Politics.
Patel P.M.	(i)	Faculty of Social Work, M.S.Univ. of Baroda, Baroda. 16th August 1990	Role of Politics and Political Dimensions to Eradicaltion of Drug Abuse and Alcoholism.
	(ii)	Faculty of Social Work,M.S. Univ of Baroda Baroda 20th August, 1990	Political Dimensions of Voluntary Efforts in Contemporary Indian Society
	(iii)	Baroda Study Group, M.S. Univ of Baroda, 25th September 1990	Implications of Mandal Commissions's Discussion.
	(iv)	Faculty of Social Work, M.S. Univ. of Baroda, Baroda 21st December 1990	"NGOs, Politics and Prevention of Drug Abuse."

VI. Participation in Professional Programmes / Workshops / Summer Schools etc.

Name of Person	Programme, Place and Date (s)	Capacity in which participated.
Department of Sanskrit		
Jani J.A.	Faculty of Social Works M.S. Univ. of Baroda 17-1-91	(i) Vivekananda's Message of youth (in Gujarati) (ii) Promotion of Mental Health through Religiours philosophical Help.
Nanavati R. I.	(i) Kalidasa Samaroha, Ujjan 31st Oct. 6th Nov. 1991.	Participated-Chaired a session of research papers
	(ii) Workshop on Translation Saurashtra University-Deptt of sanskrit-Rajkot 11-14th Jan. 1991	Participant
Department of Philosophy		
Joshi H.M.	Fifty Seventh Session of Philosophy Indian Philosophical Congress Held in Madurai (Tamilnadu) 29- 1 Jan 91	Reflections on Jain Metaphysics and ethics (Jain Memorial lecture)
Vyas N.J.	Refeesher Course in Philosopher Academic Staff college Bombay 22nd Oct 90 to 17th Nov. 90	Participant
Department of Sociology		
Patel P.	(i) Baroda study Group September 25, 90	Implications of Mandal Commission.
	(ii) Department of Scoiology udaipur University Feb., 16, 1991.	Indian Sociology: some observations.
	(iii) Administrative staff college in India, Huderabad. March 1,91.	Violence in India and need for verticcal interactions in police.
Rajaram N.	(i) Fenit Lux Alliance faculty of Tech. & Engg. M.S. Univ. September 16, 1990	Manda Commission Report : Sociological Dimensions'

	(ii) Faculty of Social work M.S. Univ. July 31, 1990 and December 4, 1990.	Sociological Dimension of Socia Problems.

Department of English

Vanikar R.V.	Seminar on English Language and Literature Teaching, British Council, Gwalior Dec. 1990.	Participant
Shah B.N.	ELT Seminar conducted by Nicholus Horsburgh, Bhavans School, Baroda on 10-11-1990.	
Palkar S.G.	ELT Seminar conducted by Nicholus Horsburgh, Bhavans School, Baroda on 10-11-1990.	Director
Pandya S.P.	ELT Seminar conducted by Nicholus Horsburgh, Bhavans School, Baroda on 10-11-1990.	Participant
Parikh B.A.	ELT Seminar conducted by Nicholus Horsburgh, Bhavans School, Baroda on 10-11-1990.	Participant
Joneja O.P.	Annual Conference of Chinese Association for canadian studies University of Beijing, 14 july 90	Participant & Chaired A session
Desai U.J.	Seminar on Politscs, ideology and teaching of English, Dept. of English, M.S. University of Baroda on 16-18 Feb, 91	Participant

Department of Sociology

Patel P.	Inservice Course on Metholdology of Teaching for newly appointed teachers of M.S. Univ. CASE, M.S. University. December 3 to 15, 1990	Resource Person
N. Rajaram	Inservice Course on Metholdology of Teaching for newly appointed teachers of M.S. Univ. CASE M.S. University. December 3 to 15, 90	Resource Person

Desai B. S.	(i)	Training Course sponsored by Central Ministry of Social Welfae, Delhi, Training Course for Councillors/social Workers in Councilling Technique Faculty of Social Work, M.S. Univ. of Baroda. First course July-Aug 1990 second Term (course) Nov-Dec. 1990.	Resource Person
	(ii)	UGC Seminar on Comparative Aesthetics & Criticism of Contemporary Arts (Sociological Dimension included)	Participant
		Department of Art History & Criticism. Faculty of Fine Arts, M.S. Univ. of Baroda Jan. 2 to 5 91.	Participant
	(iii)	XII Annual Conference of Institute of Indiian Geographers (Theme: Urbanization-Diensionns of Urbanization in India) (Inclusive of Migration) Dept. of Geography, M.S. Univ. of Baroda February 14-16, 91.	Participant
	(iv)	National Seminar on Geography of Political Situation in India (Included Region, Religiona lism in India) Dept. of Geography, M.S. University of Baroda March 4-5 1991.	Participant

Department of Economics

Kantawala B.S.	Second Summer Course in Quantitative Economics at Indian Statistical Institute Bangalore 25th April, 90 to 25th May, '90.	Participant

Department of German

Gupte N.	(i)	The Literary Translation as an object of research in the Comparative Literature J.N.U., New Delhi October 90.	Lecturer.
	(ii)	Deotsch order Devtschsprachinq Landeskunde im Du in Indian CIEFC, Hyderabad. Feb. 91.	Lecturer.

Department of Russian

Das Gupata D. Iyer Laaxmi	In-House symosium, Deptt. of Russian, Faculty of Arts, MSU Baroda. 7-1-91	Organisers of symposium on "Some aspectes of Russian as a Foreign language in the Indian context.

Department of Library and Information Science

Majmudar K.J.	(i)	36th All India Library Conference Jodhpur, 26th 29th Dec. 90	Participant
	(ii)	Workshop on Micro-Computer in Libraries held on 4th Sept. 90 Management Association, Ahmedabad.	Participant
Vaidya K.G.		36th All India Library Conference Jodhpur, 26th -29 Dec. 90.	Participant

Department of Political Science

Pantham T.	(i)	UGC Expert Committee to select scholars for the Indo-FRG Cultural Exchange Programme: April 9, 1990.	Member
	(ii)	Board of Studies in Political Science, Saurashtra University, Rajkot : March 25, 1991	Member

Rana A.P.	(i) Appointed member, editorial advisory committee of Indian Journal of Peace Research of the Indian Institute of Peace Research and Action, New Delhi, April 1990	Member editorial advisory committee
	(ii) International Seminar on "Afro-Asian Geo-politics ", Dept. of Political science, Panjab University, Chandigarh, April, 10-12, 1990.	Chairman of Session on "Latin American and South Asian Geopolitics ".
Nandedkar V.G.	Seminar on Managing Metropolitan Develoment- March 30, 1991 Vadodara.	Seminar Leader
Bajpai K.	Seminar on "Politics, Ideology and the Teaching of English" Dept. of English, M.S. Univ. 16-18 February, 1991.	Participant
Mavalankar A.P.	Binational Seminar on "Indo U.S. History of Relations Druing the Last Four Decades, organised by the U.S. Educational Foundation inIndia. during its fortieth anniversary, during its fortieth anniversary, at the India International Centre, New Delhi, January 7-9 1991.	A Discussant in a session on "Internal Dynamics of of Foreign policy
Patel P.M.	(i) Seminar on : "Mahatma Jotiba Phule-An Incomplete Renai ssance" organized by the Centre for Social Studies, Surat, during 9-11 January, 1991.	Participant
	(ii) Seminar on : Women's Volun-tary Organizations and Rural Development organized by N.S. Patel Arts College,Anand during 23-24 February 1991.	Participant

		(iii)	A Seminar on ; "Changing Gujarat Patterns and Challenges" organised by Chandrakant Daru Memorial Trust and Indian Radical Humanist Association (Gujarat Branch) Ahmedabad, during 16-17 March 1991.	Participant

Department of Gujarati

1.	Desai L. M.	(i)	ગુજરાત સા. પરિષદના ઉપક્રમે યોજાયેલ જ્ઞાનસત્રમાં બે દિવસની ચર્ચામાં લીધેલો સક્રિય ભાગ. જાન્યુ. '૯૧	Participant
		(ii)	'અક્ષરા'ના ઉપક્રમે ખોલવામાં યોજાયેલ પરિસંવાદમાં બે દિવસ દરમ્યાન લીધેલો સક્રિય ભાર, ૨૩, ૨૪ ફે. '૯૧	Participant
2.	Panchal S. J.	(i)	સાહિત્ય અકાદમી દિલ્હી દ્વારા આયોજિત દસ દિવસીય અનુવાદ અંગેની કાર્યશિબિરમાં લીધેલો સક્રિય ભાગ. જુલાઈ ૧૦ થી ૧૯, '૯૦ દરમ્યાન. ગુજ. યુનિ. અમદાવાદ મુકામે આ કાર્યશિબિરનું આયોજન.	Organizer
		(ii)	ભવાનીપુર આર્ટ્સ એન્ડ સાયન્સ કોલેજ, કલકત્તા મુકામે પન્નાલાલ પટેલની નવલકથાઓ અંગેના પરિસંવાદમાં આપેલું વ્યાખ્યાન – ૮, ૯ ફેબ્રુ. '૯૧	Lecturer
		(iii)	ભારતીય ભાષાપરિષદ, કલકત્તા દ્વારા આયોજિત સર્જનાત્મક લેખન અને વિવેચન વચ્ચેના સંબંધની ભૂમિકા પરના પરિસંવાદમાં લીધેલ ભાગ. ૧૧.૨.'૯૧	Participant
		(iv)	મુંબઈ યુનિ.માં યોજાયેલ પરિસંવાદ–'કલ્પનોત્થ સા,માં કથનકેન્દ્રનો વિનિયોગ' – વિશે આપેલું વ્યાખ્યાન – ૨૦.૨.'૯૧.	Lecturer
		(v)	એમ. ડી, શાહ મહિલા કોલેજ, મલાડ, મુંબઈ મુકામે યોજાયેલ શિક્ષકોના પરિસંવાદમાં લીધેલ સક્રિય ભાગ, ૯–૧૦, માર્ચ '૯૧.	Participant

3.	Dalal B. R.	સાહિત્ય અકાદમી, દિલ્હી દ્વારા આયોજિત દસ દિવસીય, અનુવાદ અંગેની કાર્યશિબિરમાં લીધેલો સક્રિય ભાગ. જુલાઈ ૧૦ થી ૧૯ '૯૦ દરમ્યાન ગુજ. યુનિ. અમદાવાદ મુકામે આ કાર્યશિબિરનું આયોજન.	Participant
4.	Soni R. K.	સી. આઈ. આઈ. એલ., મૈસુર દ્વારા પ્રાયોજિત અને ગુજ. યુનિ. અમદાવાદ મુકામે યોજાયેલ 'Lexicography' પરની દસ દિવસીય કાર્યશિબિરમાં આપેલ સક્રિય ફાળો. (૨૨ થી ૩૧ ઓકટોબર '૯૦ દરમ્યાન).	Participant

VII. Exhibitions, Performances, Demonstrations etc. at State National or International level.

Kar P.C.	Interviewed for Gauhati television by Ranjit Dev Goswami on "THE PLACE OF THEORY TODAY " which was televised by Gauhati Doordarshan on October 4, 90.

VIII. National and International awards and distinctions.

Name of the Recipient Teacher/Non-teacher/student.	Description of the Award
Department of English	
Kar P.C.	(i) Elected to the Board of Directors and Executive Council of American Studies Research center, Hyderabad.
	(ii) Member, Executive Committee, Indian Association for Canadian Studies.
	(iii) Convener, Forum on Contemporary Thought, Baroda.
	(iv) Editor, Journal of Contemporary Thought Baroda.
Joneja O.P.	(i) Fellow, Indian Institute of Advanced Study, Shimla May to November, 1990.
	(ii) Shastri Indo-Canadian Institute Faculty Enrichment Award for visting Canadian Universities February-March 91
	(iii) Member, UGC Expert Group on Canadian Studies.
	(iv) Member, President, Indian Association for Canadian Studies.

Pandya S.P.	Shastri Indo-Canadian Institute Faculty Enrichment Award for visiting Canadian University September to October, 90

Department of Political Science

Rana A.P.	Deputed by the IICSSR as member, Indian delegation under the Indo Soviet Joint Com,mission for Cooperation in the Social Sciences. to visit the Soviet Union in connection with the Indo-Soviet Joint Project on "Quest for Peace and Development: the Role of India and the Soviet Union". 30th October 1990 to 12 October 1990.

Department of Economics

Shah M.	Shatri Indo-Canadian Institute's Faculty Research Fellowship 1990-91 for five weeks tenable at the Simon Fraser University Vancouver and Toronto University. Toronto from February 17th to March 24th 1991.

IX. Distinguished Visitors.

Name	Designation	Date(s) of Visit
Department of English		
Sandra Djwa	Simon Fraser University	December, 6, 1990
Yasmeen Lukmani	University o f Bombay	Dec. 17, 1990
John Stachrivski	University of Manchester	Jan. 7, 1991
Rudy Wiebe	University of Alberta	Jan, 11, 1991
Gauri Viswa nthan	Columbia University	Feb 16-18 1991
Meenakshi Mukherjee	J.M. University	Feb 14-15 1991
Devindra Kohli	University of Kashmir	Feb 27 to 9th March 1991
Ralph Yarrow	University of Anglia	March 4-9, 1991
Department of Russian		
Chakravarti C.N.	Professor	7-9-91
Sandesara	Professor	23-1-9191

Department of History

Gentot Paule	A joint Administrator of Maison dis Science de 1, Home, Parish. Urbanisation in French Planning and economic Policy.	30-1-91

Department of Linguistics

Sinha Anjani K.	Professor University of Delhi University of Delhi	december 90-January 91 (20th Dec. 90 to 5th Jan.)
Subbarao K.V.	Professor University of Delhi University of Delhi	March 1991 19th 20th
Pandey P.K.	Reader Dept. of Linguistics S.G.University	March 1991 5th 6th

Department of Political Science

Patel A.J.	Professor of Political Theory, University of Calgary, Canada.	4-6 Sept. 1990
Koher Stanley	Adjunet Scholar, Cato Institute, Washignton, D.C.	26 November 1990
John Dunn	Professor of Political Theory, University of Cambridge.	5-11 December 1990
Rothstein Robert L.	Harvey Picker Distinguished Professor of International Relations, Colgate University, New York.	25 December 1990 - 1 January, 1991
Alexander Henn	Associate Professor University of Heidelberg Germany.	January 4-6 1991
Shah S.A.	Retired Chief Conservator of Forests, Government of Gujarat	March 20, 1991

Department of Linguistics

Mimi Kaiman	Asstt. Professor UNiversity of Minnosota U.S.A.	Janurary 91-12-13
Vakata T.	Faculty of Arts University of Shinshu	18.3.91
Funtzee K.	Faculty of Arts University of Shinshu	20.3.91
Zurbenchen Ford Mary	Program Officer Foundation New Delhi.	25.3.91

X. ***Any progrmme of the faculty for the benefit of the community/extension work.***

Department of Philosophy

Dr. N.J. Vyas, Department of Philosopy conducted the Elomlian competition of Gujarat University (South zone) Annual Youth Festival Arts and Science College, Dabhoi 6 & 7 Oct. 90

Department of Political Science

Seminar on Managing Metropolitan Development designed and organized under the auspices of the Indian Institute of Public Administration Vadodara branch and worked as a Seminar Leader.

XI. ***Any activity of academic/social significance organised in/by the faculty not included under grevious items.***

Shakespeare Society presented the following plays 26-30 Jan. 1991.

1.	John Guare's	The House of Blue Leaves
2.	Michel Tremblays	Johney Minagand and his astonishing dogs Gloria Star Usrprise, Surprise.

Department of Linguistics

(1) Field work to Shinor.
Visited Yajurveda Scholars for Vedic recitations

(2) Informant Session with Oraon Speaker as a part of the field work.

Department of Archeology

An Interesting temporary exhibition on the Stone Bead manufacture inIndia. An

Ethnoarchaeological approach was organised in the Museum of Archaeology, Department of Archaeology in affiliation with the Department of Anthropology, Universityof Wisconsin, Madison, U.S.A. for the benefit of the community. Large number of visitors from India abroad, university and school children visited the exhibitionand were give guided tours.

Department of Sociology

(a) Students' Gift Book collection Library :

Gift Book Collectin Library which is an organ of the Department of Sociology has rich collection of about 400 books and other academic literatrue. Students of the Department find this library extremely useful as this library partially caters the needs of students regarding text books and reference-books . The library is situated in Room No.1 of the Department. The library is operated by committee which includes class representatives, a teacher advisor and a teacher-coadviser for theyear 90-91 .

(b) Sociology Students' Association : (1990-91)

The Department of Sociology has a very active Sociology Students Association with 291 members during the academic year 1990-91

The Sociology Students' Association donated Rs. 760.00 to print the recipt books and merit certificates.

The Sociology Students Association also donated Rs. 1325.00 to equip the Small Group Research Laboratory of the Department.

The last programme was the Annual Day Programme. It was held on 23rd March, 91. On that occasion Merit Certificates were distributed to the students who ranked first, second and third in various classes in the Annual Examinations of 90.

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

Dr. Anand P. Mavalankar, Reader in Political Science organised several talks, lectures, symposium etc.under the auspiees of the Weekly Tea Club during the 1990-91 academic year.

Professor A.P. Rana over the year, coordinated the activities of three national and international level programmes in the Department : the UGC Special Assistance Programme in International Relations Studies; the UGC National Centre for Curriculum Development in Political Science; and the Ford Foundation Programme in Teaching and Research in International Relations Studies.

7

Faculty of Science

I. Course Of Studies

Additional facilities of new option group of subjects etc. provided during the academic year.

Biochemistry

(a) Optional paper in M.Sc. (Final) Applied Biochemistry

(b) Optional paper in M.Sc. (Final) Clinical Biochemistry (Revised)

Botany

Special papers started at M.Sc. (Final)

(a) Plant tisssue culture and application

(b) Forest and environmental studies.

II. Published Articles/papers

Sr. No.	Name/s of Person(s)	Title	Name of the Journal where in published and date of publication
	Department of Biochemistry		
1.	Subramanian M. & Katyare S.S.	Oxidative phosphorylation in mouse liver mitochondria	Mech. Aging Develop.54. 121-129, 1990
2.	Jani M.S. Telang S.D. Katyare S.S.	Effect of corticosterone treatment in energy metabolism in rat liver mitochondria	J. Steroid Biochem. Molec. Biol 38 587-591, 1991.
3.	T. Lalitha P. Aarti, P. Rohini K. Narayansamy, Ramakrishnan, C.V.and Telang S.D.	Alcohol exposure and undernutrition: Effects on lipid metabolism and alcohol partioning in rat brain regions in vitro.	J.Alcohol and Alcoholism. 25, 477-482 1990.
4.	Bhargava, H.K. T. Lalitha & Telang S.D.	Corticoadministration and lipid metabolism in brain regions during development	Indian J. Biochem. & Biophy. 28, 214-218 1991.

5.	Gudehithlu K.P. & Ramakrishnan C.V.	Effect of undernutrition on the chemical composion and the activity of alkaline phosphatase in soluble and particulate fractions of the Newborn rat calvarium and Femur. Effect of Gestational undernutrition in the rat	Calcified Tissue International (1990), 46, 373-377 -
6.	Gudehithlu K.P. & Ramakrishnan C.V.	(i) Effect of undernutrition on the chemical composion and the activity of alkaline phosphatase in soluble and particulate fractions of the Newborn Rat Calvarium and Femur. (ii) Effect of preweaning undernutrition in the Suckling rat.	Calcified Tissue International 1990), 46, 378-383.
7.	Shah Varsha Parekh L.J.	Phytase from Klebsiella Sp. No. PG. -2 Purification and properties.	Indian Journal of Biochemistry & Biophysics, Vol, 27, April, 1990, PP. 98-102.
8.	Shah Varsha & Parekh L.J.	Purification and properties of galactosidase from Klebsiella Sp. No. PG. -2.	Indian Journal of Biochemistry & Biophysics, Vol, 27, April 1990, pp. 103-107
9.	Goud, H. Ganana Parekh L.J. Ramakrishnan C.V.	Treatment of DMT (Dimethyl tetraphthalate Industry Waste Water using mixed culture of Bacteria and evaluation of treatment	Journal of Environmental Biology, Vol. 11(1) 15-20, (1990)
10.	George Sabu & Parekh L.J.	In vitro effect of ethanol on polyphosphoinositide metabolism in bulk isolated brain cells.	Indian Journal of Biochemistry & Biophysics Vol. 28, pp. 58-62, Feb.1991.
11.	Narayanasamy K. Shukla S. and Parekh L.J.	Utilization of acryolonitrile by bacteria isolated from petrochemical waste waters.	Indian Journal of Experimental Biology. Vol.28, pp. 968-971 October, 1990.

Department of Botany

1.	Oza G.M.	(i)	Editorial -Environmental Awareness for Planet Earth: UNEP Endeavours.	Environmental Awareness13 (1): 1-2, 1990
		(ii)	Memorial Tribute-Prof Dr.T Antony Davis (1923-1989)	ibid. 13(1):29-31.f.1. 1990.
		(iii)	Editorial -Is the environment safe for our children	ibid. 13(2):33-36,1990.
		(iv)	Editorial - A Sustainable Global Economy.	ibid 13(3): 65-68, 1990.
		(v)	World Habitat Day 1990.	ibid 13(3) :93-94, 1990.
		(vi)	Editorial -cranes in crisis:	ibid. 13 (4) : 101-104, f.1 1990
		(vii)	Ecological effects of the Frogs' Legs Trade.	Environmentalist. 10(1): 39-41 f.1 1990.
		(viii)	Conservation Activities Initiated by the Inter - national Society of Naturalists (INSONA)	Environmental Conservation 17(1) : 81-82, ff. 1-2, 1990
2.	N.S.R. Krishnayya & Bedi S.J.	(i)	Differentiation response of three species growing at low levels of Ambient Air pollutants.	Indian Jour. of Ecology 17(1): 1-5. 1990
		(ii)	Effect of low levels of Ambient Air Pollutients on Biochemical constituents of three species.	Indian J. Ecol. 17 (2):97-100 1990.
3.	Pandya N. & Bedi S.J.	Induction of Pollution Resistance in Tobacco		Advances in Plant Sciences (Ad/Plant(Sci) 3(2) : 171-77, 1990.
4.	Ayer Saraswati K. & Bedi S.J.	Effect of Industrial air polltuion on Triticum aestivum L. var. J. -24 (Wheat)		Proc.Nat. Acad. Sci., India. 61 (B) 11: 223-229,1991.
5.	Ramesh K. & Padhya M.A.	(i)	In vitrc propagation of neem, Azadirachta indica A. Juss from leaf discs.	Indian jour. Expt. biol. 28: 932-235, 1990.

		(ii) Propagation of neem Azadirachta indica A. Juss through in vitro culture.	In Proceeding of National Seminar on Biotechnological approaches for upgrading of Agricultural and horticultural crops. 50-51, 1990.
6.	Prakash L. & G. Prathapasenan	Effect of Sodium chloride and Putrescine on growth and abscisic acid content of shoot system of rice (Oryza sativa L. var. GR-3)	Proceedings of the International Congress of Plant Physiology, New Delhi, 1988. 1004-7. 1990.
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8.	Shah T. & Prathapasenan G.	Effect of CCC on the growth and yield of mung bean (Viona radiate L. Wilczek var. Guj -2.	Journal of Agronomy and Crop Science, 166: 40-47, 1991.
9.	J. Joseph Daniel M. & Sabnis S.D.	(i) The Solanaceae- Scrophulariaceae link -a reassessment.	Biologia India. I (1), 17-19, 1990
10.	I. Umadevi Daniel M. & Sabnis S.D.	(i) Chemotaxonomy of the Rutaceae	Ind. J. Bot. 13: 23-28, 1990
		(ii) A cladistic treatment of some of the members of the Burseraceae	J.M. S. Univ. 35+36 (3):13-20, 1990
11.	I. Umadevi & Daniel M.	(i) Phenolics of some fruit spices of the Apiaceae	Nat. Acad. Sci. Lett. 13(12) 439-441, 1990
		(ii) Chemosystematic observations on the Rhamnaceae.	Ind. Bot. Reptr. (1):17-19, 1990.
		(iii) Chemistry in the Taxonomy	J. Phytol. Res.3 3(1+2): 1-5, 1990.
12.	AbrahamK. Joy & Daniel M.	Chemical changes in the fungal infected leaves of Ziziphus oenoplia and Anogeissus latifolia	Nat. Acad. Sci. Lett. 13(7): 267-268, 1990.

13.	Krishnamurthy R. & Bhagwat K.A.	(i) Accumulation or choline and glycine betaine in salt stressed wheat seedlings	Curr. Sci.59: 111-112, 1990
		(ii) A rapid and simplified method for determination of chloride in plant material.	Indian J. Exptl. Bio.l 27: 198-200 ,1990.
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15.	Anbazhagan M. Krishnamurthy R. & Bhagwat K.A.	(i) Changes in the levels of carbohydrates in rice cultivars due to air pollution.	Indian J. Exptl. Biol. 28: 395-396.1990
		(ii) Changes in the phenolic contents of rice cultivars towards air pollution exposure.	Proc. Indian Acad. Sci (Plant Sci.) 100: 107-112, 1990.
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16.	Anbazhagan M. & Bhagwat K.A.	(i) Studies on the progeny of rice plants grown at a polluted and unpolluted site.	Environmental Pollution (U.K. 69: 17-23, 1990.

	Anbazhagan M. & Bhagwat K.A.	(ii) Beneficial effects of air pollution on garlic plants. In Emerging Issues in Asia	Proc. of 2nd IUAPPA Regional Conf. on Air Pollution, Sept. 4-6, 1991. Seoul, KoreaVol. 283-287, 1991.
17.	Anbazhagan M. Krishnamurthy R. Joshi Ila M. & Bhagwat K.A.	Appraisal of Calotropis procera asa biomonitor for aceto-exhaust pollution.	Inds. of Environ Hlth. 32(4) : 389-392, 1990.
18.	Arya Arun	Influence of Hydrogen-ion concentration on the utilization of sodium nitrite by four different species of Phomopsis.	Proc, Nat, Acad. Sci. India 60(B): 359-361, 1990.
19.	Arya A. & Mathew D.S.	(i) Control of chiku fruit rots by leaf extracts of certain medicinal plants.	Res. J. Pl. Environ. 6: 31-33, 1990.
		(ii) Studies on Rhizosphore microflora of pigeonpea- 1- qualitative and quantitative incidence of micro-organisms.	Geobios new Reports 10: 8-10, 1991.
		(iii) A new report of Asperoillus Computer floppy dics.	Nat. Acad, Sci. Lett. 14(5): 197, 1991.
20.	Rao K.S. & U. Kristen	The influence of the detergent Trition X-100 on the growth and Ultrastructure of tobacco pollen tubes.	Canadian Journal of Botany 68 :1131-1138, 1990
21.	Jasrai Y.J. Unikrishnan S. Bhatt P.N. & Mehta A.R.	Gene-expression during dormant epiphyllous bud outgrowht in Kalanchoe mortagie.	Acta Horticulturae. 1990 280: 569-576

Department of Chemistry

1.	Ullah M.R. & Bhattacharya P.K.	(i) Study of ternary complexes of Cu (II) involving aliphatic carboxylic acids and amino acids.	Indian journal of Chemistry, 29 A, 150 (1990)
		(ii) Study of the effect of ligand nature on reproportionation constants of ternary complexes.	Proc. Indian Acad. Sci 102 (4) 513 (1990)

		(iii)	Study Inter-ligand stacking interactions in cu(II) and Ni (II) ternary complexes	J. chem. Research 269,1990
2.	V. Manjula and Bhattacharya P.K.		Inter- ligand interaction in mixed amino acids Complexes of Ni (II)	Indian Journal of Chemistry 29A, 400 (1990)
3.	Chakraborty D. & Bhattacharya P.K.	(i)	Intramolecular interligand interactions in Cu (II) complexes involving dipeptides and amino acids.	J. Inorg. Biochemistry, 39, 1 (1990)
		(ii)	Ternary complexes of Substituted catechols and dipeptides.	J.Chem. Soci. Dalton Transaction, 3325 (1990)
		(iii)	Inter- ligand interaction in ternary Cu (II) complexes nvolving dipeotudes and amino acids	Journal of Inorg. Biochemistry, 41 (1), 57, (1991)
4.	Kulkarni N.D. Jacob Mathew Patel K.V. & Bhattacharya P.K.		Study of Binuclear Copper (II) complexes involving bridging Schiff bases	Synthesis and reactivity in Inorganic and metal Organic Chemistry, 20 (7), 937 (1990)
5.	Bhattacharya P.K.		Homo geneous catalysis of epoxidation of olefins by mono and binuclear schiff base complexes	Proceedings, Indian Academy of Science, 102 (3), 247 (1990)
6.	Manjula, V. Chakraborty and Bhattacharya P.K.		Ternary complexes of Cu (II) involving histiding and another amino acid and dipeptide	Indian Journal of Chemistry, 29A, 577(1990)
7.	Ullah. M.B. Bhattacharya R.A. Khalil, S.J. Kitchen & Fenton D.E.		The solution stability of binary and ternary complexes involving oxaazamacrocyclic ligands	Polyhedron, 9 (18), 2239, 1990
8.	Manjula V. & Bhattacharya P.K.		Ternary complexes involving catechol and amino acids	Journal of Inorg. Biochemistry, 41(1),63,1991.

9.	Joseph R. & Rakshit A.K.		Electrical and Magnetic properties of acylonitrile and acrylate copolymets	preprint IUPAC International Symposium Sigapure, p. 169 (1990)
10.	Vyas Rajeev Bapat Sangita & Mehta R.H.		Synthesis Characterisation and testing of some new 7,8-Dimethoxy-3- Substituted amino methy1-4 methyl coumar in as possible Antibacterial agents	J. Ind. Chem. Soc, 67, 482 (1990)
11.	Shivanekar Anjali & Chudasama Uma V.	(i)	Catalytic behaviour of Ur (NH3)4 2+ on zirconium Molybdate in the decomposition of Hydrogen Peroxide	Transition metal chemistry, 15, 226 (1990)
		(ii)	Use of zirconium Molybdate in Acid Catalysis.	Proceedings 10th National Symposium on Catalysis Pg 489 (1990)
12.	Devi S. J.T. Guthrie and G.C. Beddows	(i)	The immobilisation of Trypsin and glucose oxidase on to Natural Rubber Co.HEMA High Energy Padition Derived Copolymeric Support Systems.	Radiation Physics Chemistry, 36, 703 (1990)
		(ii)	The immoblisation of Trypsin on irradiated oxidised Natural Rubber Converted to Natural Rubber -g-Co-HEMA Systems	Radiation Physics Chemistry, 36, 697 (1990)
13.	Shah Ajay & Devi S.		Determination of Chromium by on-line enrichment in Flow injection Atomic Absorption Spectroscopy.	Analytica Chemica Act, 236, 469 (1990)
14.	Raval Heta Y.P. Singh, M.H. Mehta and Devi Surekha	(i)	Studies on the Thermal Mechanical Properties of polyamide-6/LDPE/ Modified LDPE Blends	Proceedings of IUPAC Internati-onal Symposium n Speciality opolymers, Singapure (Pre-print, IUPAC (1990) International Symposium
		(ii)	Studies on the Mechanical properties of polyamide 6/LDPE/LDPE modified LDPE Blends	Journal of Polymeric materials I, 303 (1990)

		(iii) Grafting of low density poly (ethylene) with ButylAcrylate Synthesis and characterisation	polymer International 25, 99 (1991)
15.	Asaduzzuman A.K.M. and Devi Surekha	Physico Chemical studies of Methylmethacrylate Acrylonitrile Copolymers	proceedings of polymer 91, 277 (1991)
16.	Singh V.K. Kamath B.V. & Bedekar A.V.	phase-transfer catalysed transformation of chlorohydrins to epoxides	J. Mol. Catal., 63, 131 (1990)
17.	Gokak, D.T. Kamach B.V. & Ram R.N	Synthesis, Characterization and catalytic activity of RL(PPL ,3)2 (Cu)Cl complex	Appl. Organometal Chem, 5, 39 (1991)
18.	Shivram, K. kamath B.V. & Arya V.P.	Spectrophotometric determination of Famotidine from pharmaceutical Properties	The Eastern pharmacist p. 137 (1991)
19.	Chudgar N.K. & S.N. Shah	Synthesis of the semicarbasones, amino oxadiazoles and evaluations of their different properties	J. of Inst. Chemists, 62, 185 (1990)
20.	Rama H.S.	Sorption and separation study of coumarin carboxy lic acid.	J. of Inst. of Chemists, 62, 189 (1990)
21.	Ravat Beena Rama H.S. and Kansara S.S	Synthesis and study of Thermal and electrical behaviour of some polyaromatic amine.	Pre-print IUPAC Symposium on polymer p. 581 (1991)
22.	Shah J.N. Gokak D.T.& Ram R.N.	Preparation, characterization and catalytic activity of polymer supported trimethylene diamine-Ruthenium complex	J. Mol. Cat. 60, 141 (1990)
	Department of Geography		
	Rizvi S.M.H.	Regional Disparities in Land use. A case study of Bara Tract of Jambusar Taluka, Dist. Bharuch.	Crop journal of M.S.U. of Baroda (Social Science Vol. xxxv-xxxv No. 2, page No. 109 to 122, December 1990.

Department of Geology

1.	Chamyal L.S. & Vashi N.M.	Some observations on stratigraphy, structure & metamorphism in parts of N. Kumaon Himalaya.	M.S. U. Journal Vol. 35-36 Nos. 3, pp. 53-54 July , 1990.
2.	Desai N.D. & Vashi N.M.	The stone Industry It is history and scope in Gujarat.	Jl. of All India Stone Industry, vol, 15, No. 1, January, 1991.
3.	Patel M.P.	(i) Quaternary Strandlines in Gujarat.	Proc. National Seminar Quaternary landscape of India sub. continent MSU Baroda, 1991 , pp. 107-118.
		(ii) Depositional Environment of the inland iniliolite occurrences of Saurashtra and kuthc.	Proc. National Seminar Quaternary landscape of Indian sub-continent MSU. Baroda, 1991 pp. 119-129.
4.	Patel P.P.& Tiwari K.C.	Fracture lineaments and their hydrological significance in Heran & River basin Gujarat.	Jl. M.S. Univ. of Baroda vol. xxxv-xxxvi No. 3 July, 1990. pp. 66-75.
5.	Patel P.P.	Rainwater Harvesting structures.	Techno-Eco. letter Gandhinagar Vol, 1991, pp. 23-56.
6.	Sant D.A. & Karanth R.V.	Emplacement of Dyke swarms in the Lower Narmada valley. Western India.	In mafic Dyke and emplacement Mecharisms (Ed. Aj. Parkar et. al) Sept. 1990 pp. 383-389. Jr. of Geol Soc. Ind. vol.37, Feb, 1991. pp..119-127.
7.	Sant D.A. Karanth R.V. & Jadhave P.C.	A note on the occurrence of carbonalite dykes in the Lower Narmada Vallay.	Jl. of Geol. Soc. Ind. Vol. 37, Feb, 1991. pp. 119-127.
8.	Desai N.D.& Patel P.K.	The role of the Geomorphology & Recent storm effects resulting in a Gravel cobble beach near Udvada Gujarat.	Jl. of MSU. of Baroda Science & Technology & Mechanic Number Vol. xxxv-xxxvi No. 3, July 1990.
9.	Ojha A.B. & Patel P.K.	Degradational aspects of bauxite mining in Jamnagar Dist. of Gujarat.	Mineral Wealth Vol. 26(2) July December, 1990.

10.	Pant P.K. & Dr. Chamyal L.S.	Quaternary gedimentation Pattern & Terrain Evaluation in the Mahi river basin, Gujarat, India.	Proc. Ind. Nat. Sci. Aca. 564 A No. 6, pp. 501-511 December, 1990.
11.	Patel S.J. & D.M.Shringarpure	Oligocene Miocene stages and trace fossils charactristic in western kutch, Gujarat.	Jour. Seol. Sci.-Ind. Mem 10, pp. 96-109, 1990.

Department of Microbiology

1.	Udupa Rajesh Shah Samir Modi Vinod Desai Anjana	Large plasmid from cowpea Rhizobium sp. Correlation between exopolysaccharide content, ex-planta nitrogenase activity and presence of plasmid	Ind. J. Exptl. Biol.(1991) 29, 430.
2.	Udar N.S.& Modi Vinod	Sodium selenite induced changes during post harvest banana (Musa sapientum) fruit ripening	Biofactors (1990) 2, 263.
3.	Rao K.K.	Siderosphore mediated iron transport and its membrane receptor protein in P. aeruginosa	Proc. Natl Symp. on current trends in Biotechnology. Univ. of Cochin of Science & Technology p. 45. 1990.
4.	Sahasrabudhe V. Anjali & Modi Vinod	Degradation of isomeric monochlorobenzoates and 2,4 dichlorophenoxyacetic acid by a constructed Pseudomonas sp.	Appl. Microbial Biotechnol (1991) Vol, 34, 556-557.
5.	Sahasrabudhe Anjali V. & Modi Vinod	Degradation of 4-chlorobenzoate benzoate and mode of dehalogenation in a Pseudomonas spp.	Ind. Journal of Experimental Biology 1991 vol. 29, 252-255

Department of Physics

1.	Joshi D.R.& Pandya J.R.	Application of Modified Kick's Law to Rhombohedred crystals: Calcite	Cryst. Res. Technol. 26, (1991) p, 433-440.
2.	Darji A.B. & Sureshkumar	Rotational Analysis of 2- -A i System of NiCl	Indian Journal of Pure and Applied Physics, Vol. 28, June, 1990 p. 338-341.
3.	Desai C.F.	Photoconductivity of SnSe thin films. Preparation and Characterization of SnSe-Sn Se heterojunction Photovoltaic cells.	J. Mater, Sci Letters June 91 Ind. Jr. Pur and Appl. = physics. vol. 29, 27-1991.

4.	Singh N.L.	(i) Comparative study of Pree-quilibrium Models and Mechanism of Alpha Particle Induced Reactions.	J. of phy Soc. of Japan 59 1990) 3916
		(ii) (n. 2n) Cross Sections at 14.0 Mev.	Phys. (India) 33B (1990) 153.

Department of Statistics

1.	Sreehari M. Srivastava Deokumar	"Characterization results Based on variance bounds"	Sankhya, 52, 297-302 1990.
2.	Phatak A.G. Nandi S.N.& Shah D.K.	"Use of Double Sampling plans in Economic, Design of np control chart"	N.I.Q.R. National convention, 1990 Technical paper (P.P. 1.65 to (69).
3.	Gandotra M.M. & N.P. Das	(i) Contraceptive choice, shift and use continuation.	The journal of Family Welfare, Vol. 36. No. 3, Sept.,1990 pp. 54-69
		(ii) Levels, Determinant and causes of Infant Mortality in Gujarat	Published in the Bulletin of the Bureau of Economics and Statistics, Govt. of Gujarat, Gandhingar 1990. 91.
4.	Das N.P.	The effect of Birth spacing on current Fertility.	The Journal of Family Welfare, Vol. 36, No. 4, December, 1990, pp. 36-45.
5.	Das N.P. & Padhiyar A.C.	A Model to Study Socio Cultural Determinants of Fertility: An Extension Department of Zoology Bongarts' Model.	The Journal of Family Welfare, Vol. 37, No. 1, March, 1991, pp. 30-41.

Department of Zoology

1.	Syeda K.N. & Nene R.V.	(i) Characterization of thigh muscles of pigeon. Columba livia on the basis of nerve endings.	Him J. Env. Zool. Vol. 4 pp. 19-23, 1990
		(ii) Possible correlation of the diuenal variation of glycogen content of glycogen body of pigeon with ambient temperature.	Ind. J. Comp. Anim. physiol. Vol. 8 No. pp. 16-20, 1990

III. *Published Books : Monographs*

Sr. No.	Names of Author(s)	Title of Book/Monograph/ Monographed Report	Name of Publisher and Date of publication
	Department of Botany		
	Daniel M.	Methods in plant chemistry and Economic botany	Kalyani publishers, Delhi, 1991.

IV. *Papers Presented at Professional Level Seminars/Conference etc.*

Sr. No.	Name of Persons	Theme, Organizer's name, place, dates of seminar/conference etc.3	Title of Paper
	Department of Bio- Chemistry		
1.	Begum Rasheedunnisa and Koshy Reeja	42nd Indian Pharmaceutical, congress Manipal 28th to 30th December, 1990.	Effect of Homoeo drugs on Lead toxicity
	Department of Botany		
1.	Sabnis S.D. Bhatt R.P. Bedi S.J.	Workshop organised by Approaches to integrated wildlife Management Shoorpaneshwar Wildlife Sanctury 3-10 1990- Baroda by SSNNL Baroda	Vegetational patterns and floristic analysis of areas in the vicinity of Shoorpaneshwar Sanctury.
2.	Sabnis S.D.	IInd International Congress of Ethnobiology kunming china Oct. 1990	Tribals of Gujarat their Involvement with plant Foods and Medicine in the changing River valley scenario a plenary lecture.
3.	Oza G.M.	(i) Select 4th International Conference on Environmental Future (4th ICEF) held in Budapest, Hungary. Figured among the invited world leaders in environmental and conservation movement, and also among the chosen Panellists for the session on Population Problems. April, 1990.	Global Population Problems and Conservation Issues: India Facing Threats of Sahel Effects:

		(ii) General Assembly of the world Conservation Union (IUCN) held in Perth, Australia, Nove, 1990.	Various conservation issues conserving 'Vavilov Centres' & Indian Ocean as a Zone of Peace for Nature.
		(iii) UNFPA- United Nations Population fund Meeting on " Population & Environment held in the UNHQ in New York, USA March, 1991	Contributed to the aspects of Meeting's theme.
4.	Padhya M.A.	Forest free Propagation Thirteenth Annual Conference of Plant Tissue Culture Association (India) Tata Energy Research Institute, New Delhi, 9-10, Feb., 1991.	Propagation of neem Azadirachta Indica through tissue culture.
5.	Ramesh K & Padhya M.A.	International Seminar on New Frontiers in Horticulture at Indo American Hybrid Seeds Bangalore, 23rd to 28th Nov., 1990.	Selection of highyielding cel-l lines of Flower call us of Azadirachts indica.
6.	Jasrai Y.T. Bhatt P.N.& Mehta A.R.	(i) National Symposium on Advances in plant Sciences: Current status & Energing Challenges "at Udaipur 21-23 Sept., 1990	Polarity and plant growth regulators during epiphyllous bud outgrowth in Kalanchoe mortagei.
		(ii) International Seminar on "New Frontiers in Horticulture at Bangalore 25-28 Nove. 1990.	Epiphyllous buds in Kalanchoe mortagei: and ideal system to study gene expression during dormancy break.
		(iii) XIV Cell Biology Conference BARC, Trombay, 13-15, Dec. 1990.	Highly acidic and alkaline proteases and epiphyllous bud outgrowth in Kalanchoe mortagej.

7.	Jasrai Y.T.	78th Session of Indian Science Congress at Indore 6-10 Jan. 1991 Under Young Scientist Programme in Agriculture.	Cellular Breeding for salt sesistance in moth bean.
8.	Jasrai Y.T. Kunjumon A, Bhatt PN, Senan GP & Mehta AR	Golden Jubilee Symposium on Genetic Research & Education : Current trends and Next Fifty years, IARI, New Delhi, 12-17 Feb. 1991.	In vivo, in vitro responses and cellular breed ing against salt in moth bean.

Department of Chemistry

1.	Shah A.C.	Annual meeting of the council of chemists Gulburga University Gulburga, Nov. 1990.	Reaction of dithiooxalates. lates.
2.	Rakshit A.K.	(i) IUPAC International symposium on speciality polymers, Singapure, Nov. 7-9, 1990.	Electrical and Magnetic properties of Doped scrylonitrile and acrylate copolymers
		(ii) 27th Annual convention of chemists, Budhagaya 26-30 Dec. 1990.	Studies of Adsorption of natural Rubber at Solid Liquid Interface.
3.	Chudasama U.V.	(i) National Symposium on Recent trends in Catalytic Science and Phosphate Technology, IICT, Hyderabad, April, 1990.	Catalytic behaviour of RU (III) Sorbed on to Zirconium
		(ii) Tenth National Symposium on Catalysis and IV TH Indo-Soviet Seminar IIT, Madras, Dec. 1990.	Use of Zirconium Molybdate in acid catalysis some Exterification Reactions.
		(iii) International Chromatographic Conference, Aligarh Muslim University. Aligarh, March, 1991.	(i) Synthesis & Characterization of a new phase of ZirconiumArsenophosphate $Cu(NH\ 3^2$ anchored as to solid surface. (ii) A study of differential behaviour of single salts and mixed materials: Ion exchange of complex cations of Inorganion exchangers.

4.	Devi Surekha	(i) IUPAC International Symposium on speciality Polymers. Signapore Nov. 1990.	Studies on the therma mechanical properties of Polyamide-6 /LDPE/ Modified IDPE.
		(ii) Polymer 91 at NCL Pune, Jan. 1.4.1991.	Physicochemical studies of Methyl Methacrylate- Acrylo-nitrile copolymers.
5.	Kamath B.V.	Attended National Seminar on Advances in Polymer Technology Cochin, Feb., 5.7.1991.	
6.	Chudgar N.K.	13th International liquid crystal Conference Vancouer, Canada, July 22-27, 1990	(i) Mesogenic Properties as an analytical tool for the Pyrolytic transformation of substituted aldehyde semicarba zones for the corresponding benzalazines. (ii) New Heterocyclic mesogns with benzopyran-2H one moiety.
7.	Rama H.S.	IUPAC Symposium Polymer 91. Melbourne, Australia, Feb.91.	Synthesis & Study of Thermal & electrical behaviour of some polaromatic amines.
8.	Ram R.N.	Polymer 91 NCL, PUNE Jan 1 to 4, 1991	Synthesis, characterisation and catalytic behaviour of Polymer bound PU (III) complex.

Department of Geography

1.	Rangaswamy V.C.	international Geographical Union Regional Conference on 'Asian Pacific Countries" Organised by the I.G.C. Beijing China from Aug. 13-20, 1990.	Spatial Organisation of Urban Area-A Regional Seenario.
2.	Sinha R.N.P.	(i) 5th International Congress of Geographical Societies Mesilla, New Maxico, USA 26-31 Aug., 90.	Narmada Project, Development of Water Resources & impact on Environment.

		(ii) National Seminar on "Indian Villages through the Ages" 20 to 23rd Feb. 1991.	Social structure of Indian Village.
3.	Vyas J.P.	3rd Annual Conference of Indian Institute of Geomorphologist organised by the Department of Geography University of Pune 23rd 25th Nov., 1990.	Geomorphic Process and Land forms Analysis: A case study of Coastal Alluvial Plains between the rivers Narmada and Tapi.
4.	Rangaswamy V.C. & Abdol H. Zananeh	XII the Annual Conference of Institute of Indian Geographers, organised by the Department of Geography Faculty of Science, M.S.U. of Baroda	Environment & Development A Case study of Tribal Environment of Chhota-Udeper Taluka Dist. Baroda.
5.	Rangaswamy V.C. & Singh Sanjay	XII the Annual Conference of Institute of Indian Geographers, organised by the Department of Geography Faculty of Science, M.S.U. of Baroda	Changes in the land use due to environmental pollution a case study of 4 villages of Vadodara District.
6.	Rangaswamy V.C. Bannruee Runki	XII the Annual Conference of Institute of Indian Geographers, organised by the Department of Geography Faculty of Science, M.S.U. of Baroda	International Migration within Urban Block of Baroda city.

Department of Geology

1.	Limaye M.A. Desai S.J. Murty K.V.R. Joshi T.R.	Thermoluminescene & its applications Dept. of Applied Physic,s Faculty of Tech. & Engg., M.S.U. Baroda, Feb. 1991.	TL studies of calcareous rocks of Danta area. North Gujarat.
2.	Karami Hassan Desai S.J. K.V.R. Murty	Thermoluminescene & its applications Dept. of Applied Physic,s Faculty of Tech. & Engg., M.S.U. Baroda, Feb. 1991.	TL studies of Bhaduka Lime stone of NE, Saurashtra.

3.	Karami Hassan Desai S.J.	Indian Association of Sedimentologists Delhi Dec. 91	Depositionate Environments of Dhvangadhara Formation of NE Saurashtra
4.	Patel P.P.& Tiwari K.C.	National seminar on Rainwater Harvesting and groundwater management in India G.S.D.A. Govt. of Maharashtra, 19-21 Dec. 1990 at Pune.	(i) Significance of water harvesting in intergrated water resource development in Panchmahals Dist. Gujarat.
5.	Patel P.P.	National Seminar on Rainwater Harvesting and Groundwater management in India G.S.D.A. Govt. of Maharashtra 19-21 Dec. 1990 at Pune	(ii) Rainwater Harvesting by plastic Lined ponds in Bhal area of Gujarat, Case study.
6.	Patel P.P. Tiwari K.C. Patel M.B.	National Seminar on Rainwater Harvesting and Groundwater management in India G.S.D.A. Govt. of Maharashtra 19-21 Dec. 1990 at Pune	(iii) Engineering Geomorphic relevance of rainwater harvest ing in Trappen hilly terrain of South Gujarat.
7.	Karanth R.V.& Sant D.A.	Second Internationl Dyke conference at Adelaide, Australia, 12-16 Sept., 1990	Emplacement of Dyke Swarms in the lower Narmada Valley Western India.
8.	Karanth R.V. Iyer D. Sridhar & Viswanath S.	Second Internationl Dyke conference at Adelaide, Australia, 12-16 Sept., 1990	Dyke swarms of Chhotaudepur area Gujarat State India.
9.	Ganapathi S. Pandey A.N.	Delta Seminar Andhra University Visakhapatnam 12-13 Nov., 90 Gujarat.	Evolution of landforms on Narmada & Tapi Estuaure deltas
10.	Joshi Atul & Ganapathi S.	13th IAS Nottinghan 26-31 Aug. 1990.	Carbonate chert association in Lacustrine environment of Lemeta Formation of Gujarat State India.

Department of Microbiology

1.	Rao K.K. Roy Mathew Dutta Kajari	National Symposium cum Workshop on "Immobilized Enzymes & Cells" held at Trivandrum from Aug. ,6-14 1990.	Potential of using A terreus Thom mycelia as an immobi lized from of B glucosidase

2.	Patel R.N. Chavan S. Rao K.K.	International Symposium on Industrial Biotechnology, Hyderabad, 1990 rot fungi RIL.	Effect of medium additives on laccase production by white.
3.	Chattoo B.B.	4th Annual Meeting of Rockfeller Foundation International Programme on Rice Biotechnology on May 3-9-1990 at RRI, Philippines.	Regeneration and Gane Transfer.
4.	Ashtaputre Anita & Shah A.K.	International Symposium on Industrial Biotechnology Hyderabad, 1990.	Characterization of exopoly-saccharide produced by nitrogen fixing Pseudomonas sp.
5.	Khachroo P.K. Chattoo B.B.	International Rice Genetic Congress at the International Rice Research Institute Los Banos, Philippines May, 14/16, 1990.	Genomic Organisation and Variability in P. Oryzae.

Department of Physics

1.	Joshi D.R.& Pandya J.R.	Proc. of SSP Symposium P. 228,33C (1990) DAE symposium 1-4 January, 1991 Bombay	Application of Modified Kick's law to Calcite cleavages.
2.	Darji A.B.	LASAMP, at Physics Dept. Magadh, Univ, BODH-GAYA during Mar., 29-31, 91.	On the (O, O) band of B system of Cac1 Conference on Lasers and Spectroscopy in Atomic & Molecular Physics.
3.	Somayajulu D.P.S.	(i) Symposium on Scattering phemomenon, Oct 5-8-1990 M.S.U. Baroda.	Nuclear Polarisation.
		(ii) The workshop during Dec. 17-19 , 1990 at Nuclear Science Centre, New Delhi.	Studies of Defects by Nuclear techniques.
4.	Shah P.M	Conference on Lasers and Spectroscopy in Atomic and Molecular Physics. Dept. Magadh Univ. Bodh Gaya Mar, 29-31,91.	Rotational Analysis of (0.6) band of BiBr.

5.	Shah N.R.	Conference on Lasers & Spectroscopy in atomic & Molecular Physics, Phy. Dept., Magadh Univ. Bodh gaya Mar. 29-31, 1991.	The Vibrational analysis of D-X system of CaBr.
6.	Pandya G.R.	National Seminar on Crystallography Calcutta Jan., 1991, Jadhavpur.	Growth & Disolution of Insb, Te. crystals.
7.	Deshpande P.W.	International conf. on Luminescence July, 16-20, 1990 Fundacao Calouste Culbenkian, LISBON PORTUGAL.	On Fluorescence study of Deformed Nacl:Ti
8.	Desai C.F.	National seminar on Crystallography Calcutta Jadavpur Uni. Jan., 1991	Effect of heat treatment on electrical properties of SnSe-SnSe this films of different thicknesses.
9.	Kekan N.L.	International conf. Fourth Asia Pacific Phy. Conf Seoul Korea, 13-17 Aug. ,1990. International conf. on Luminescence 1990 July 16-20 Fundacao Calouste Gulbenkian, LISBON PORTUGAL.	Thermoluminescence study of Nacl: Sr. phosphar at 340 and 370 K. F-Centre correlation with 340 degree K glow peaks in acl:Sr.
10.	Singh N.L.	Symp. on the Scattering Phenomena Oct., 5-8 1990 MSU Baroda.	Pre equlibrium contribution in Nucl Reactions.

Department of Statistics

1.	Sreehari M.	(i) International Seminar on recent development in Probability & Statistics I.S.I. New Delhi Dec. 1990.	On the rate convergence for for the extremes.
		(ii) Annual conference of Guj. Statistical Association at Mehsana, 26th Jan. 1991.	On the maximal order Statistic.
2.	Patel J.A.	Annual conference of Guj. Statistical Association at Mehsana, 26th Jan. 1991.	On Balanced Sampling designs.

3.	Gandotra M.M.	Local self Govt. in Collaboration Indian Institute of Public Administration Baroda, 30th March, 1991.	"Population Growth and crumbling clinic services in Baroda March, 1991.
	Department of Zoology		
1.	Ramchandran A. V.	IX All Indian Symposium on Reproductive Biology and Comparative Endocrinology School of Life Sciences Bharatidhasan University Tiruchirapally-Feb., 20-22, 1991	(i) Effect of melatoruin Parachlorophenylolanine and short photoperiod on histomorphology of ovary, adrenal and thyroid of Wild pigeons. Columba livia during recrudscent phase. (ii) Time of administration of melatonin and the effect on Preweanling rat neonates. (iii) Parachloropheny lalmine induce of neorphophysio-logical atterations in Preweenling rat neonates. (iv) Histochemical observation on steroid dehydogenases and lipids in tests of deameth-asony corticosterne treated white leghorn chicks.

V. Talks of Academic Nature given at different Universities / professional Institutions.

Sr. No.	Name	University/Institution and Date	Title of Lecture
	Department of Botany		
1.	M. Daniel	(i) Bharatidasan University, Dept. of Botany Tiruchirapalli Aug., 1, 1990.	Chemical Plant Taxonomy
		(ii) Kerala University , Dept. of Botany Trivandrum, Oct. 11, 1990.	Chemical evolution in plants.

Department of Chemistry

1.	Bhattacharya P.K.	(i)	Sectional lecture at 28th International conference in coordination chemistry Gera (Germany 13-18 August 1990	Ligand effect in Cu (II) and Ni (II) complexes involving a tridentate ligand.
		(ii)	Delivered four lectures at the Academic Staff College, UGC sponsored symposium Sept., 1990 13-15 Hyderabad	Microcylic ligand complexes as models, for biochemical systems.
		(iii)	Invited to deliver a talk at DST Sponsored Workshop at IIT, Madras 10-13 Dec., 1990.	Role of Cu (II) in the biological systems.
		(iv)	Delivered a lecture at Depart ment of Chemistry University of Sagar, Sagar, 11th Feb., 1991.	Synthesis and stability of Macrocyclic liquid complexes.
2.	Rakshit A.K.		Invited lecture at 27th Annual Convention of chemists, Budhgaya Dec., 26-30, 1990	Polymers & small molecules.
3.	Chudasama Uma V.		International Chromatographic Conference Aligarh, Muslim University, Aligarh, March, 1991.	Inorganic Ion Exchangers as Catalysts.
4.	Devi Surekha	(i)	Sun Pharmaceuticals Baroda 6th Nov. 1990.	(i) Instrumental methods in Pharmaceutical analysis.
		(ii)	Sun Pharmaceuticals Vapi 12th Nov. 1990.	(ii) Chromatographic techniques useful in plarmaceutical studies.
		(iii)	Convention of Chemists Budhgaya, Dec. 28th, 1990	Trace element analysis in Agricultural Chemistry.
		(iv)	Gujarat Water Works Asso-ciating Gandhinagar, Dec., 18, 1990.	(i) Chemistry of Fluorein. (ii) Methods of estimation of fluorein.

Department of Geology

1.	Shringarpure D. M.	University of Poona October, 1990	(i) Modern Stratigraphic concepts.

			(ii) ichnology and its sign ficance in stratigraphy.
			(iii) Bio-stratigraphy and it importance in geological exploration
2.	Patel P.P.	(i) Guj Jalsarovar Institute GWSSB, Gandhinagar, Nov. 1990.	Rainwater harvesting in coastal area of Gujarat.
		(ii) Indian Society of Engineering geology, Guj, State Centre, March, 1991 Baroda.	Engineering Geology Theory & Practice.
3.	Karanth R.V.	(i) Department of Geology Macequarie University Sydney, Australia 2113 10th Sept. 90.	Polymetamorphism in Almora crystallines Kumaun Himalaya
		(ii) Geology Branch Dept. of Mines and Engg. South Australia, Adelaide 17th Sept, 1990.	Cambay bead industry and Diamond industry in India.
		(iii) Dept. of Physics MSU of Baroda Sir V.V. Raman day 28th Feb,. 1991	Gemstones and Gemstone enhancement
4.	Ganapathi S.	Guj Eng. Research Institute 2-1-1991	Texture & structure of sedimentary rocks and their significance in Engg. properties.
	Department of Mathematics		
1.	Patadia J.R.	(i) 3 One and half hour talks UGC sponsored Refresher Course at Rani Durgavati, Univ. Jabalpur May, 28th June, 1, 1990	Approximation Theory
		(ii) 7 one & half hour talks UGC Sponsored Refresher Course at Rani Durgavati Uni. Jabalpur 26-9-90 to 1.10.90	Applications of function Analysis to harmonic Analysis.

2.	Das T.K.	South Guj. Uni, Surat, 27-30 Dec. 90 Indian Mathematical Society Conference	Perfect irreducible image of a compact space.

Department of Physics

1.	Darji A.B.	Phy. Dept. Banaras Hindiu University Varanasi on the eve of National Symposium on Molecular Spectroscopy during Mar, 15-16 1991.	Electronic Spectres of Diatomic Molecules A Review & Future Prospect.
2.	KulkarniaP.P.	II Bangalore during Summer School 1.13 Jul,y 1990	Talk on Madam Curie-Her Life and work, Specially disco very of Radium, & x rays.

Department of Zoology

1.	Bonny Pilo	Dept. of Bioscience, South Gujarat University Surat, Feb., 25th ,91	(i) Control of Pancreatic endocrine function (ii) Diabetes
2.	Ramachandran A.V.	(i) Department of Zoology, Uni School of Sciences, UGC DSA Sponsored symposium on "recent trends in Life Science" Jan. 1991 Invited falh	Thyroxine-naf adis in initation of tail regeneration in lizards
		(ii) Holbar science college Indore, All India. conference on Recent Advances in Applied Zoology Feb. 10, 11, 1991 key note Address	Cestain aspects of tail regeneration inlizards.
		(iii) School of Life sciences, Bharatidhasan University Tiruchhirapally Feb. 20-22-1991 invited falh.	Bineal-Pholioperiod and Nenroendocrine endolvement in tail regeneration in lizards.

Department of Microbiology

1.	Rao K.K.	(i) Dept. of Microbiology, Marathwad Univ. Aurangabad, 30-7-1990	Recombinant DNA technology

		(ii) Regional Research Lab. Trivandrum 8-14 August 1990.	Methods for the immobilization of microbial cells
		(iii) Regional Research Lab. Trivandrum 8-14 August 1990.	Industrial applications of immobilized microbial cells
2.	Chhatpar H.S.	Dept. of Microbiology Univ. of poona, Pune, March, 1991	(i) Structure & functions of mitochondria. (ii) Current status of electron transport system (iii) Protein translocation across mitochondria
3.	Shah A.K.	Dept. of Biotechnology, Goa University Goa, 11-16th March, 1991.	Series of ten lectures on the topic 'Bioprocess Engineering.'

VI. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of the Teachers	Programme & place	Capacity in which participated
	Department of Geography		
1.	Parmar J.K.	Workshop at Ambaji from 14-17th July1990 organised by the Dept. of Geography Gujarat Univ. A'bad	Participant
	Department of Geology		
1.	Gadekar D.R.	Symposium on popularisation of science in society organised by community science centre,	Resource person executive president Marathi Vidnyan Parished.
2.	Karanth R.V.	Orientation course in Geomology, Geological Society of India, Bangalore 28-31st Jan., 91	Organizer
3.	Ganapathi S.	DTS Thematic workshop on costal geomorphology visakhapatham 14-16 Nov.90.	Participant

4.	Joshi A.V.	Orientation programme in teaching, Faculty of Education Psychology, MSU, Baroda, Dec. 1990.	
5.	Deota B.S.	Inservice course in Metho dology of teaching, Dept. of Education, MSU Baroda, 3-15 Dec. ,1990.	Newly appointed lecturer.
6.	Patel S.J.	SERC (DST) summer school on Coastal sedimentation, Calcutta 2-13 April 1990.	Participant
	Department of Mathematics		
1.	Singhal J.P.	56th Annual conference of Indian Mathematical society at Surat, Dec. 1990.	Participant
2.	Patel N.V.	56th Annual conference of Indian Mathematical society at Surat, Dec. 1990.	Participant
3.	Joshi R.R.	Instructional conference on Topological Groups, sponsored by UGC at Hyderabad Univ. Hyderabad 16-30th Jan 1991.	Participant
4.	Patel G.B.	56th Annual Conference of Indian Mathematical Soc. Surat, Dec. 1990	Participant
5.	Patadia J.R.	56th Annual Conference of Indian Mathematical Soc. Surat, Dec. 1990	Participant
6.	Das T.K.	National Conference on the Number Theory Gujarat Univ. A. bad 22-25 Dec. 90	Participant
	Department of Physics		
1.	Kulkarni P.P.	Organised by the JNC for Adv. Sci. Research & Centre for Theoretical studies at IIS. Bangalore 1-13 th July 1990.	participant attended summer school on the History & philosophy of Sci.

2.	Kekan N.L.	p-7-16 National Seminar on RP. 34 Thermoluminescence & its applications, 7-9th Feb. 1991. Applied Phy. Dept. MSU. Baroda.	Paper presentation organiser local committee
		PA/15/PO National Symposium on Acoustics 7-10th Nov. 90 Cochin-Kerala.	Participant
	Department of Statistics		
1.	Sreehari M.	UGC Refresher course to college teachers Gujarat Univ. A, bad June 1990.	Resource person.
2.	Gandotra M.M.	State demographer's confer ence organised by Ministry of Health & Family Welfare Govt. of India. 21-23 Jan., 1991 Goa.	Additional Director of PRC, Baroda
	Department of Zoology		
1.	Asnani M.V.	Laboratory workshop on Neuroanatomy with training in light & electron microscopy. Tata Institute of Fundamental Research, B' bay 3-23 Feb. 1991.	Participant
2.	Patel P.V.	UGC sponsored refresher cour- as a se from 1-28th Aug. 90 Dept. of Zoology, Gujarat Univ. A'bad.	Participant

VII. National And International Awards And Distinctions:

Name of the recipient teacher / non-teacher / student	Description of the Award
Department of Botany	
Oza G.M. Jasraj Yogesh	UNEP, "Global 500 Award for 1990 Selected to present the research work of the young scientist programme (Agriculture) 78th Session, ISC, Indore.
Department of Geology	
Chamyal L S.	Received ' Hari Ohm Ashram' award for the best paper of the year 1989 in March 1991.

VIII. Distinguished Visitors

Sr.No.	Name	Designation	Date(s) of visit
	Department of Chemistry		
1.	Nobbs Univ. of Leeds UK	Lecturer	25th Aug. 10th Sept. 1990
2.	Avegard R. Univ. of Hull. UK	Reader	22nd Sept-6th Oct 1990
3.	Rastogi R.P. BHU, Varanasi	Vice Chancellor	29th Nov. 1990
	Department of Geography		
1.	Vaidyanadhan R.	Professor	27th March 1991.
	Department of Microbiology		
1.	Apte S.K.	Head BNF Section BARC	9th March 1991
2.	Mattoo A.K.	USDA, USA	28th Nov. 1990
	Department of Zoology		
	Eshwar Prakash	Professor CAZRI, Jodhpur	31st Dec. 1990

IX Any activity of Academic/Social Significance Organised in/by the Faculty not included under previous items.

Department of Statistics

The PRC organised training programmes on population dynamics, National population policy and its implications for medical officers in April, May, June and July 1990.

Faculty of Education and Psychology

Department of Educational Administration :

The Department of Educational Administration is the only one of its kind in the entire country. In addition to assisting the Department of Education with the design, teaching and evaluation of those Management related subjects at the B.Ed., M.Ed. and M.Phil levels, the Department also runs a Diploma in Educational Administration. The department has also initiated Competency Based Institutional Management Education (COMBIME) in a Network Development Management Education, under the directive form Ministry of Human Resource Development, Government of India. This Project is offered by NIEPA, New Delhi. In this programme the National Institute of Educational Planning and Administration seleted 30 National level institutions. Department of Educational Administration is one of those. This collaboration is aimed at preparing Network Development in Management Education at the National level.

I. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
	Department of Education		
1.	Christian J.A.	"Mental Health as a function of satisfaction of needs."	Gujarat Journal of Educationa & Psychology, Gujarat Education Society, Bombay. Vol. 52-53, No. 12/161/162/Jan. – June Issue, 1990.
2.	Kothari R.G.	(i) Need of Public Examination : A question.	"Madhyamik Shixan ane Parixan." Gandhinagar, Dec. 1990, Vol. 7
		(ii) Comparative Study of PLM, AM and TM in teaching of Mathematics.	"Suganitam" Ahmedabad, Jan.-Feb. '91
		(iii) Quality of Education	"Gatishil Shixan" Ahmedabad May-June 1990 Vol. 5-6.
		(iv) An investigation into effectivness of AM, and PLM in Mathematics.	Journal of M. S. University of Baroda Social Science number. Baroda. Vol. XXXVII-XXXVIII No. 2 1990.

3.	Patadia H.J.	"A strategy for Mastery Learning Its development and Comparison with convertial methods."	Indian Educational Review Volume XXVI No. 1 January 1991 pages 14-25. Journal Published by NCERT, Delhi
	Department of Psychology		
1.	Bhatt I.D.	"An Exploratory study of the causes for student unrest."	Journal of the M. S. University of Baroda (Social Science) Vol. XXXVII (38) No. 2 P.P. 35 to 42 1990.
2.	Quraishi Z.M.	Factor Analysis of Teacher's Attitudes Towards Various Groups and Practices,	Journal of Psychological Researches Jan. 1991, Vol. 35, No. 1, P. 24-27.

II. (A) Published Books

Sr. No.	Name(s) of Author(s)	Title of Book	Name of Publisher and Date of Publication
	Department of Education		
1.	Christian J.A.	"Managing classrooms."	The Indian Publication, Ambala Cantt, Ambala, Feb., 1991.
2.	Kothari R.G. Joshi P.M. (Editors)	Ganit Darshan (Monthly journal of Mathematics Education)	Samasti Trust, Baroda. 11 of every month.
3.	Kothari R.G. Desai N.N. Joshi D.O. (Editors)	"Evaluation in Project Method." (A chapter in a book on "Project Method").	Higher Secondary Teachers Union, Baroda District, Baroda. 1990-91.
4.	Dekhtawala P.B. Kothari R.G. Patankar S.D. Pradhan N.	A project report. A Study of the Practice Teaching Programme for the B.Ed. students of the M. S. University of Baroda 1990-91	Department of Education (CASE) M. S. University. financed 1990-91

III. Papers Presented at Professional Level Seminars/Conferences, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Department of Education		
1.	Shah M.M.	(i) "Vocationalisation of Education NCERT, New Delhi, 28th Aug. 1990 to 30th Aug., 1990.	Thoughts for implementation of Vocationalisation at B.Ed. level.

		(ii) "Symposium on Age at Marriage - Girl Child". Department of Continuing and Adult Education M.S.U. of Baroda, sponsored by UNICEF, 28.2.91	"Role of Education in Age at Marriage of a girl child."
2.	Thomas V.D.	Indian Transactional Analysis Conference, 1990-91 held at New Delhi on 31st January, Feb. 1, 2, 1991.	Drug addiction - the Gujarat
	Department of Educational Administration		
	Joshi S. M.	Paper presented in an International Programme in Educational Management organized by Commonwealth Council of Educational Administration, CCEA University of Manchester, U.K. April 27-May 15, 1990.	"Preparing Educational Managers for 2000 Indian context.
	Department of Psychology		
	Bhatt I.D.	(i) Indian Science Congress - Jan. (Conference) 3 to 8th 1991 Indore.	"A Study of Cultural Orientation of Adolescent."
		(ii) 7th Gujarat Psychology Association Conference 29-30 Dec. 1990, North Gujarat University, KADI.	"A study of cultural orientation of Adolescent." "New Horizons of Psychology."

IV. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
	Department of Education		
1.	Shah M.M.	Sardar Patel University, Anand College of Education, 5.2.1991	Perception of Society Towards women Education.
2.	Shelat N.A.	New Era Girls' School Parent Teacher Association 31.12.1990	Motivating Gifted children and Self Awareness.
3.	Christian J.A.	(i) Five lecture series to the, The Primary School teachers	"Concept of Integrated Education" - "Practises and

		of Baroda Municipal Schools, organised by Municipal school Boards, UNICEF and NCERT, New Delhi, on 13th, 15th & 22nd March 1991.	Programmes."
		(ii) Gujarat Refinery School teachers Jawaharnagar, Baroda, on 9th Oct., 1990.	"Content Based Education Media."
4.	Kothari R.G.	(i) Gujarat Refinery English Medium School, Baroda 16.6.1990	Evaluation in Education, Some Latest Trends.
		(ii) Baroda District Higher Secondary Teachers Association at Lakulesh Vidyalaya 28.11.1990 Kayavarohan, Baroda.	Teaching of Commercial Mathematics Methods, Education - A special case of logarithm.
		(iii) Baroda District Secondary school teachers, Baroda, 20.1.1991.	Use of Educational Technology in classroom.
		(iv) Mahila Gram Vidyapith, Prayag at Baroda Centre, Baroda, 21-29 Jan. 1991.	Series of lectures on Teaching Methods & Evaluation.
5.	Deota N.P.	'Sanskrit-teaching in Gujarat, 1990	Jai-Ambe Vidyalaya, Bharuch, Sanskrit Seminar.
6.	Panchal B.R.	(i) National Policy on Education Yashwatika Uttar Buniadi Vidya Mandir, Jessawada, 24.4.90.	"Continuous and Comprehensive Evaluation."
		(ii) Sarvajanik High School, Sevasi, 22.9.1990.	"Study Habits"
		(iii) Sarvajanik High School, Sevasi, 24.11.1990.	"Continuous and Comprehensive Education." (NPE)
		(iv) B.N. High School, Chanod, 23.2.1991	"Career Week."
		(v) Yashwatika Uttar Buniadi Vidyalaya, Jessawada, 24.2.91.	"Continuous and Comprehensive Evaluation."

Department of Education Administration

1.	Joshi S.	(i) Academic Staff College, Karnataka University, Dharwad, 8-9 Aug. 1990.	University Management and Teacher.
		(ii) Academic Staff College, Aligarh Muslim Uni., Aligarh, 13-14 Oct. 1990.	Teaching as a Profession.
2.	Dektawala P.B.	(i) Gujarat Refinery High School, Baroda, 10.10.1990	Content based educational Technology.
		(ii) Sponsored by Baroda Dist. Sec. Association at Bahadarpur, 29.1.1991	Time Management

Department of Psychology

1.	Quraishi Z.M.	(i) Faculty of Social Work, 30.8.90	Measurement of Social Attitudes.
		(ii) Faculty of Social Work, 7.12.90	Thurstone Method of Attitude Scale Construction.
		(iii) Faculty of Social Work, 8.12.90	Likert Method of Attitude Scale Construction
		(iv) N.H. Patel College of Education Anand, 17.2.91	Reliability and Validity of Intelligence Tests.
2.	Sinha S.L.	(i) Theosophical Society of Baroda 16th Dec. 1990.	Values of Life
		(ii) Theosophical Society, Baroda, 10th Feb. 1991.	"Personality Integration."

V. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated.
	Department of Education		
1.	Shah M.M.	Workshop on "What research says to classroom teacher" organised by "Navodaya Vidyalaya Samiti" at Faculty of Education and Psychology, Baroda, 15th Nov. 90 to 21st Nov. 90.	Resource Person

2.	Roy S.P.	Workshop "What research says to the classroom Teacher" under the joint auspices of the Navodaya Vidyalaya Samiti, Ministry of HRD and the Faculty of Edu. & Psy., M. S. University of Baroda. Place : Baroda, Faculty of Education and Psychology Date : November 15-21, 1990.	Resource Person
3.	Shelat N.A.	Workshop on "What Research says to classroom teacher-Boosting Teachers Morale" Organised by Navodaya Vidyalaya Samiti, Department of Education Ministry of Human Resource Development, New Delhi. 15.11.90 to 21.11.90.	Resource Person
4.	Panchal B.R.	(i) Seminar on "Evaluation System in Schools," Place : S.R. High School, Devgadhbaria. Date 30.4.90.	Participant
		(ii) Seminar on "Project for the Continuation and Comprehensive Evaluation" for selected schools of Panchmahals district, Place : M & M Mehta high School, Godhra. Dt. 11.8.90.	Participant
		(iii) Workshop for the Project on "Continuous & comprehensive Evaluation" for teachers and Principals of Panchmahals District." Shri Bhoman and Vidyalaya, Nani Sarssan 28.8.1990	Participant
		(iv) Seminar on "Continuous and Comprehensive Evaluation." for teachers. Place S.R. High School, Devgadhbaria Date : 24.12.1990	Participant
		(v) Panchmahals District's Science Fair Place : S.R. High School, Devgadhbaria Date : 3.1.91 to 4.1.91.	Participant
		(vi) Seminar on "Effective learning and Teaching." Place : M.G.S. High School, Malav. Date : 12.1.1991	Participant

		(vii) Seminar cum-workshop on "Effective teaching of Arithmatic for Std. VIII." Place : Sarvodaya mandir, Sagtala. Date : 9.2.1991	Participant
5.	Christian J.A.	"Orientation Course"; organized by special Education cell, NCERT, New Delhi. 21st May to 1st June, 1990	Participant
6.	Kothari R.G.	(i) Workshop Construction of standardized test, COHSSIP U.G.C. New Delhi. At N.H. Patel College of Education, Anand, 17.2.91.	Resource Person
		(ii) Workshop -Item Analysis, COHSSIP, U.G.C., New Delhi, N.H. Patel College of Education, Anand 3.3.91.	Resource Person
		(iii) Workshop - Preparing Assignment in Mathematics, COHSSIP, U.G.C., New Delhi, N.H. Patel College of Education, Anand, 6.3.1991.	Resource Person
		(iv) Workshop Educational statistics. COHSSIP, U.G.C., New Delhi, N.H. Patel College of Education, Anand, 10.3.1991.	Resource Person
		(v) National Workshop on Minimum levels of learning quality with Equity at Primary stage. MHRD, New Delhi At Gujarat Vidyapith, Amdavad 11 - 16 March 1991.	Member
		(vi) State level Annual conference of Gujarat Rationalist Association, A. T. M.T.B. Arts College, Surat 2-3 June 1990.	Joint secretary of the association.
		(vii) State level Seminar on changing Gujarat, Patterns and chalenges At. Samaj Vidya Bhavan, Gujarat University, Ahmedabad, 16-17, March '91.	Member
7.	N. Pradhan	Seminar on "Computer Education" Gujarat Vidyapith, Ahmedabad. 4-6 March, 1991.	Participant

Department of Educational Administration

1.	Joshi S.	Convened a National Level workshop on "Preparing Modules for Navodaya Vidyalayas under the auspices of Navodaya Vidyalaya Samittee, Ministry of Human Resource Development, New Delhi, November 9-15, 1990.	Convener
2.	Dekhtawala P.B.	Workshop sponsored by Navodaya Vidyalaya Samiti, at Faculty of Education & Psychology, Baroda, 15th to 21st Nov. '90.	Participant

VI. Distinguished Visitors

Sr. No.	Name	Designation	Date(s) of Visit
	Department of Educational Administration		
	Dr. Angela Thody	Reader, Department of Educational Management University of Leicester, United Kingdom.	March 3-10, 1991.

VII. Pogramme of the Faculty for the benefit of the Community/Extension work.

Department of Educational Administration.

A. Visit from Dr. Angela Thody to the Department of Educational Administration for a week, was organized.

1. She visited Municipal School Education Board, Baroda Municpal Corporation and delivered a lecture on Educational Management in U.K.

2. She was invited by secondary Education Principals Association for discussion on Secondary Education System in U.K.

VIII. Activity of Academic Significance organized in/by the Faculty not included under previous items.

Department of Psychology

1. Sinha Saroj : Carried out the following studies with the help of students.

(i) A study of teacher views about good and bad students.

(ii) A study of characteristics of effective teacher

(iii) Problems of discipline among students.

(iv) A study of labour children.

(v) "Attitude toward strike" - a comparative study of students of Faculty of Arts and Faculty of Home Science, M.S.U. Baroda.

8

A. Extension Service Centre

Preamble :

The Extension Service Centre has completed more than three and a half decades of its existence. Beginning from June 1955, the Centre has introduced so far a variety of programmes for the development, growth and betterment of Primary Teachers' Training Colleges and Primary, Secondary and Higher Secondary Schools of Baroda City and Baroda and Panchmahals Districts. This year the Centre had many responsibilities to handle and organise seminars, workshops, symposia, summer school, orientation and training courses, projects, talks, visits, etc., fulfuilling the needs, and demands of the schools and primary teachers' training colleges of Baroda City, Baroda and Panchmahals Districts.

Participants in the above mentioned programmes were also of varied background i.e., Principlas, Supervisors, Teachers, Parents, Pupils and teacher educators of Primary, Secondary and Higher Secondary Schools and Primary Teachers' Training Colleges. Thus the Centre has entered a very active phase to establish a link between various educational agencies like Gujarat Secondary Education Board, Gandhinagar, Gujarat Higher Secondary Education Board, Ahmedabad, Extension Services Centres, State Teacher Education Board, S.I.E. (GSCERT) Ahmedabad, Department of Education, Gujarat State, Gandhinagar, Principals', Teachers' and Schools' Associations of Primary, Secondary and Higher Secondary Schools, Primary Teachers' Training Colleges and District Primary and Secondary Education Officers and Administrative Officers of Baroda City and Baroda and Panchmahals Districts.

Planning of the Year 1990-91 :

Suggestions were invited from the members of the Advisory Committee of Extension Services Centre for Planning the programmes of the year 1990-91. On the basis of the suggestions received from the members, the co-ordinator prepared a tentaive planning for the year. This planning was put before the Advisory Committee. The Advisory Committee made some suggestions and accordinly the programme was modified and finalized according to the needs and demands of the schools and state government. The Advisory Committee consisted of Hon. Director, Coordinator, the District Primary and Secondary Education Officers and Adminstrative Officers, the representatives of Principals', Teachers', and Schools' Associations and Principals' of Primary Teachers' Training Colleges of Baroda City and Baroda and Panchmahals Districts.

Outline of the types of In-Service Programmes :

The Extension Services Centre carried out its programme to help the schools in their academic activities. The programme was in the form of Seminars, Seminar-cum-Workshops, Orientation, Training, Projects, Discussions, Guidance, Lectures, talks and visits, etc.

I. Here are the details of the types of In-Service Programmes conducted during the year 1990-91.

Sr. No.	Types of Programmes	Date & Duration	Place	No. & types of participants	No. of resource persons
1.	Talk on "Continuous and Comprehensive Evaluation." - National Policy on Education.	24.4.90	Yashwatika Uttar Buniadi Vidya mandir Jessawada.	30 teachers	1
2.	Seminar on "Evaluation System in Schools."	30.4.90	S.R. High School, Devgadhbaria	30 teachers	2
3.	Meeting for the Projection "Continuation and Comprehensive Evaluation in the selected schools of Panchmahals district.	16.6.90	M.J. Shah High School Kakanpur	10 Principals	3
4.	Seminar on Project for the Continuation and Comprehensive Evaluation." for selected schools of Panchmahals district.	11.8.90	M & M Mehta High School Godhra	30 Principals	4
5.	Workshop for the Project on "Continuation & Comprehensive Evaluation for teachers and Principals of Panchmahals District.	28.8.90	Shri Bhomanand Vidyalaya Nani Sarsan.	50 Teachers & Principals	3
6.	Training for "Principals' Professional growth for selected principals of Panchmahals district	15.9.90 & 16.9.90	Shri Bhomanand Vidyalaya, Nani Sarsan	100 Principals	1
7.	Educational Seminar and Science Fair Meeting	30.9.90	M.G. Shah High School, Kakanpur	50 principals & Teachers	2
8.	Meeting for the seminar for the Principals of Panchmahals district to be organised at Malav.	27.11.90	Unnati Vidyalays Godhra.	25 Principals	3
9.	Seminar on continous and comprehensive Evaluation" and Meeting for the Science Fair to be organised.	24.12.90	S.R. High School, Devgadhbaria	20 Teachers	2

10.	Educational Seminar in Cooperation with Baroda district Principals' Association & DEO Office, Baroda.	30.12.90	Sardar Chhatralaya, Baroda	200 Principals	7
11.	Panchmahals District Science Fair.	3.1.91 to 4.1.91	S.R. High School, Devgadhbaria.	200 Teachers & 200 Pupils	5
12.	Seminar on "Effective Learning and Teaching."	12.1.91	M.G.S. High School, Malav	20 Teachers	5
13.	Seminar on "Educational technology and educational Management." in Corporation with Baroda district teachers' Association.	20.1.91	Shri Dwarkesh Sarvajanik High School, Bahadurpur	300 Teachers	5
14.	Educational Seminar in Cooperation with Panchmahals' district secondary Principals' Association and Schools' Association in Corporation with DEO office, Godhra	30.1.91 to 31.1.91	M.G.S. High School, Malav	300 Principals	10
15.	Seminar-cum-Workshop on "Effective teaching of Arithmetic for Std. VIII."	9.2.91	Sarvodaya Mandir, Sagtala.	30 Teachers	7
16.	"Seminar on "Improving the Results of Sanskrit of Std. X - S.S.C."	16.2.91	Shri P.K. Sarvajanik High School Derol Station.	20 Teachers	5
17.	Talk on "Career Week."	23.2.91	B.N. High School, Chanod.	100 Pupils	5
18.	Talk on "Continuous and Comprehensive Evaluation."	24.2.91	Yashwatika Uttar Buniadi Vidyamandir, Jessawada.	30 Teachers	2

II. Schools Visits and Talks :

Over and above, the following local schools of Baroda City were visited by Hon. Director Prof. N.S. Pathak and Coordinator Dr. B.R. Panchal for talks and for the meetings for planning the inservice education programmes of Extension Service Centre.

Sr. No.	Types of Programmes	Place	Date	No & Type of Participants	
1.	Talk on "Study habits."	Sardar Vinay Mandir, Baroda	14.7.90	50	Pupils
2.	Talk on "Continuous and Comprehensive Evaluation."	Jeevan Chetna Vidyalaya, Baroda	18.8.90	40	Pupils & teachers
3.	Talk on "Effective learning and teaching."	Lal Bahadur Shastri Vidyalaya Baroda.	8.9.90	90	Pupils & teachers
4.	Talk on "Continuous and Comprehensive Evaluation." (NPE)	Vinay Vidyalaya Baroda	18.9.90	70	Pupils & teachers
5.	Talk on "Study habits."	Sarvajanik High School, Sevasi	22.9.90	150	pupils
6.	Talk on "Study habits"	H.J. Parikh High School, Baroda	6.10.90	60	Pupils
7.	Talk on "Continuous & Comprehensive Evaluation." (NPE)	Sardar Vinay Mandir, Baroda	9.10.90	75	Pupils & teachers
8.	Talk on "Continuous & Comprehensive Evaluation."	Lal Bahadur Shastri Vidyalaya, Baroda.	17.11.90	100	Pupils & teachers
9.	Talk on "Effective learning and teaching	Jyoti Vidyalaya, Baroda	21.11.90	40	Pupils & teachers
10.	Talk on "Continuous and Comprehensive Evaluation." (NPE)	Sarvajanik High School, Sevasi	24.11.90	100	Pupils & teachers

III. Guidance

The centre is at the services of schools. The querries of various types are responded by the Centre either by post or personally. The Centre guides the schools in their projects, Seminars and workshops, etc.

IV. Meetings were organised, conducted and guided by the Hon. Director Professor N.S. Pathak and Coordinator Dr. B.R. Panchal for inservice education programme of Extension Services Centre.

V. S.I.E. (GSCERT), S.T.E. Board, Ahmedabad, D.E.O. and A.O. Offices, Baroda and Godhra Director of Education and Secretary of Education Offices, Gandhinagar Field Adviser, NCERT Ahmedbad and Gujarat Secondary and Higher Secondary Education Board, Ahmedabad, Gandhinagar & Baroda and Extension Services Centres etc. were visited by Hon. Director and Coordinator for consultation about in-service education.

VI. Educational Conference, Seminars, Meetins etc., organised by the various educational agencies were attended and participated by the Hon. Director and the Coordinator.

VII. Teachers, supervisors, lecturers and Principals of schools and P.T.C. College, Presidents, and Secretaries of Teachers', Principals', and Schools' Associations, District Primary and Secondary Education Officers, Administrative Officers, Hon. Directors and Co-ordinators of Extension Services Centres, and Educationists, etc., visited Extension Services Centre for Consultation about inservice education programmes.

B. University Experimental School

I. Course of Studies :

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

II. No. of Pupils :

		Boys	Girls	Total
1.	Primary I to VII	211	130	341
2.	Secondary VIII to X	99	72	171
3.	Higher Secondary Science and Common Stream	149	83	232

III. Staff :

(a) 8 Teachers in Higher Secondary

(b) 2 Lab. Cordinators.

(c) 1 Senior Clerk

(d) 1 Junior Clerk

Activities :

(a) The School presented a drama 'Sonanu Zanzer' at State level and won the first prize. It was participated by students up to 14 years of age.

(b) Some students took part in drawing competion for children held by Fevicol Comp. and have won three prizes.

(c) Eight children took part in '32nd Kala Pradarsan' at the State level.

(d) 25 Students appeared in the Drawing Examination held by the Gujarat State.

(e) 13 students participated in 'SOVIET LAND NEHRU AWARDS' Drawing Competition at New Delhi.

(f) 160 students appeard in Gujarat Vidyapith Examination for Hindi.

Results :

March '91	Appeared	Passed	Failed	Percentage
New S.S.C.	54	39	15	72%
XII Commerce	61	48	13	79%
XII Science	60	33	27	55%

	Distinction	Ist Class	IInd Class	IIIrd Class
New S.S.C.	17	13	07	02
XII Commerce	03	09	18	18
XII Science	07	08	14	04

Kum. Bijal S. Shah, a student of XII Common, was among the first ten students in Baroda.

9

Faculty of Commerce

I. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
1.	Mohite M.D. Dr. A.V. Bhuleshkar	Senario of Banking Development in India	Both the articles have been published in the book, "Economic Dualism under Democratic Socialism" Edited by : Dr. A.V. Bhuleshkar published by : Himalaya publishing House, Bombay. 1991.
2.	D.M. Mithani M.D. Mohite	Nehru's Faith in socialism	Both the articles have been published in the book, "Economic Dualism under Democratic Socialism" Edited by : Dr. A.V. Bhuleshkar published by : Himalaya publishing House, Bombay. 1991.
3.	M.D. Sharma M.D. Mohite	Trend in wages of Nationalised Banking sector.	Journal of M.S. University of Baroda. Vol. XXXV-XXXVI (1986-87) No. 2. December 1990.

II. Paper Presented at Professional level seminars/conference, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
1.	Elavia B.H., Alam Zafar, Chavan Hema	International Association of Agri. Economists. XXI. International Conference of Agri. Economists Tokyo, Japan 22-29 August 1991 (Paper Submitted & accepted for presentation in Nov. 1990)	Socio Economic Aspect of Rural Indian Households : A Gender Analysis
2.	Chellani Dilip K.	National Seminar on the changing profile of banking system and the banking system in 21st Century organised by Dept. of Business Finance and Economics. University of Jodhpur March 25-27, 1991.	Role of banks in rural development

3.	Shah P.M.	Indian society of labour economics. Utkal University Bhubaneswar Dec. 23-25, 1990. Under auspices of the department of labour welfare.	The exploitation of children in the informal sector.
4.	Patel B.S.	Cultural Issues in the Teaching of management. 1st international OB Teaching conference held at Singapore national University held from 19th to 21st Dec. 90.	"Teaching management & Ois Case for a Need to Develop cultural sensitivity."

III. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
1.	Joshi K.M.	Institute of Rural management (IRMA) Anand) Delivered, 15 lectures from 7th Jan. to 2nd Feb. 1991	Indian Economic Environment & Policy"
2.	Elavia B.H.	Staff Training Centre State Bank of India. Baroda 7.2.1991	'Development and Social Banking.'
3.	Chellani Dilip K.	(i) Gujarat State Fertiliser Company, Baroda 19.2.1991	Banking Institution and Enterpreneurship Development"
		(ii) Dena Bank Institute of Rural banking - Anand 17.7.90	"Development Banking"
4.	Patel B.S.	(i) Institute of Management & Research-Jalgaon Sept. 90 (MBA-programme)	Motivation, Leadership & Communication
		(ii) Bhavnagar Uni. Feb. 1991 (DBM programme)	Goals, Motivation & Leadership
5.	Shah Janak M.	(i) Railway staff college Apr. 90 Dec. '90.	a. Financial Analysis b. Working Capital c. Investment Decisions d. Management Accounting e. Interpretation of financial statement of Indian Railways.
		(ii) The Institute of chartered accountants of India, Baroda, Apr. 90	Accounting & elements of income tax Law

(iii)	I.A.S. Training centre May. '90.	Business & Finance
(iv)	The Indian Institute of Bankers Baroda - June '90.	Accounting
(v)	Indira Gandhi National Open University, Baroda - June '90	Accounting
(vi)	The institute of company secretaries of India, Baroda, Mar. '91.	Company accounts Treatments and procedures.

IV. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated.
1.	Elavia B.H.	International Workshop "Women, Public policy and Development" at University of illinois, Urbana Champaign USA June - 1990	Resource person
2.	Shah J.M.	Sr. Professional course at Railway Staff College, Baroda in Dec. '90.	Visiting faculty
3.	Patel B.S.	Orientation course for IGNOU Counsellors in management at Ahmedabad, Jan. '91.	Participant

V. Distinguished Visitors

Sr. No.	Name	Designation	Dates(s) of Visit
1.	Prof. Prakash Arun J.	Professor and Chairman Dept. of Finance, College of Business Administration, Floride International University, University Park, Miami, Florida - 33199	25.3.1991

10 A

Faculty of Medicine

I. Courses of Studies

Department of Obstetrics & Gynecology

New Courses / Training Programmes started during the academic year.

1. Started Training Course for Trainers & Trainees for Standard of Male & Female Voluntary Surgical Contraception,

2. The Department has been recognised for Microsurgical Tubal Reconstruction for fertility regulation by United Fund for Population Activities & Association of Voluntary Surgical Contraception through Govt. of India (Central Govt.) Jan. 1991.

II. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
	Department of Opthalmology		
1.	Sheth K.J.	A. Scan & Biometry	All India Journal April 1990
	Department of Obstetrics & Gynecology		
1.	Hazra M.N. & Desai P.D.	(i) Progress of Pregnancy after Threatened Abortion.	Journal of Obst. & Gyn. India, Vol. 40. No. 2. Pg. 196. April '90.
		(ii) Adolescent Menstrual Perception & Practice.	Jr. of Obst. & Gynec. India Vol 40 No. 2 Pg. 269 April 1990.
		(iii) Adolescent Menstrual Pattern	Jr. of Obst. & Gynec. India Vol 40 No. 2 Pg. 269 April 1990.
2.	Gohil J.T.	Rupture Uterus	Jr. of Obst. & Gynec. India Vol. 41 No. 1 Feb. 1991.
	Department of Preventive & Social Medicine		
1.	Shah D.N. Baxi R.K. Mazumdar V.S.	Risk approach Strategy for Prevention of Low Birth Weight	Journal of Medicine and Surgery Vol. 30 No. 5-6, May-June, 1990 pp. 19-21

2.	Durvasula R.S.	Occupational Health in Developing Countries. Review of Research Needs.	American Journal of Industrial Medicine, 17; 393-401-1990
3.	Kotecha P.V.	Can Leprosy be Eradicated from India ?	Health policy and planning Oxford University Press. Vol. No. 6 No. 1 Page 82-85 March 1991.

Department of Pathology

1.	Karelia L.S. & Khandhadia D.	Bacteriological flora in pyoderma.	15th Annual Conference of IAPM (Gujarat Chapter) at Ahmedabad. 2nd December 1990.

Department of Pharmacy

1.	Desai S.V.	(i)	Anaemia and Oral Haematinic Preparation.	Drug, Disease, Doctor. Vol. 3 No. 2 (1990) pp. 27-30 published by Drug Action Forum, West Bengal.
		(ii)	New Drug : Omeprazole	Bulletin of Society for rational therapy, Vol. 1 No. 3 (November, 1990) Page 13.
		(iii)	A Protogol for Chemo-therapy of Malaria.	Bulletin of Society for rational therapy, Vol. 2 No. 1 (January, 1990) Page 5.
2.	Desai S.V. & Patel H. R.	કમળો (પીળિયો)		In Publication for public awareness programme (November, 1990) Published by Baroda Medical union on the occasion of its golden jubilee.

Department of Psychology

1.	Palan B.M. & Lakhani J.D.	"Convertinor the "Thrpat in to A challenge A case of stress Releted Hemoptysis Monagred Through Hypnosis."	American Journal of Clinical Hypnosis Vol. 33 No. 4, 241-247 1991

III. Published Books/Monographs

Sr. No.	Names of Author(s)	Title of Book/Monograph/ Monographed Report	Name of Publisher and Date of publication
	Department of Preventive & Social Medicine		
1.	Shah D.N.	USAID Assisted Integrated Child Development Services, Impact Evaluation second follow up survey Panchmahal (Gujarat) and Chandrapur, Maharastra (1987-88)	Govt. of India Ministry of Social Welfare and Human Resource Development (Women and Children Division 1990)
	Department of Obstetrics & Gynecology		
1.	Hazra M.N.	(i) Does & Don't related toMaternal & Perinatal Care for Medical Officers working in P.H.C. (ii) Maternal & Perinatal Care' for Paramedical Staff in Gujarat.	
2.	Hazara M.N. & Desai P.D.	Infection in Adolescent	Adolescent Girl by Federation of O & G India 1990-91.

IV. Papers Presented at Professional Level Seminars/Conferences, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Department of Preventive & Social Medicine		
1.	Shah D.N. Mazumdar V.S. Patel Y.I.	20th National conference of IAPSM Poona, 21st to 23rd November 1990.	(i) Epidemiological Investigation of Outbreak of Cholera in Baroda city (1989)
		20th National conference of IAPSM Poona, 21st to 23rd November	(ii) An Investigation of Outbreak of Viral HEpatitis in Village Anti, Baroda District. (1984).
2.	Kotecha P.V. Shah D.N.	20th National conference of IAPSM Poona, 21st to 23rd November 1990.	Evaluation of existing ROME Programme of Govt. Medicial College, Baroda.

3.	Durvasula R.S. Shah D.N. & Kotecha P.V.	20th National conference of IAPSM Poona, 21st to 23rd November 1990.	Multivariate Models in Predicting Morbidity one to Air Pollution.
4.	Baxi R.K. Kotecha P.V.	20th National conference of IAPSM Poona, 21st to 23rd November 1990.	How rational are we in treating Malaria ?

Department of Obstetrics & Gynecology

1.	Hazra M.N.	15th All Gujarat Obst. & Gynec. Conference at Rajkot 13th & 14th October 1990.	The Menstrual Disorders in Adolescent.
2.	Desai P.D. & Hazra M.N.	(i) 15th All Gujarat Obst. & Gynec. Conference at Rajkot 13th & 14th October 1990. (ii) 34th All India Obst. & Gynec. Cong. Dec. 1990 at Nagpur.	(i) Surgical Conservation in Prolapse. (ii) On the Questions we ask. (iii) Breast Feeding : Knowledge, Attitude & Practice. (iv) The return Fertility & Menstrual Pattern.
3.	Desai P.D.	Asia Oceanic Congress, of Obst. & Gynec., Bangkok- February 1991	Critical Evaluation of 17 Years. Undergraduates.
4.	Desai A.N.	Irvin Hospital, Jamnagar 13-14th October, 1990 - 15th All Gujarat O & G Conference Rajkot.	(i) Review of Maternal Mortality - 6 years. Irvn Hospital, Jamnagar. (ii) Cord round the neck - Study of 100 cases.
5.	Hazra M.N.	(i) Asia Oceanic Fed. of O & G Workshop on Maternal & Prenatal Health 2-3 Nov. 90. (ii) 15th All Guj. O & G Congress at Rajkot Oct. 1990.	Women is Role in Prevention of Maternal & Perinatal Mortality. Gastrointestinal Complication related to Gynecological Surgery.

		(iii)	Asia Oceania Federation of O & G Workshop on Maternal Mortality & Morbidity-Jamshdpur 17-18 November, 1990.	Can Pregnancy induced hypertension be treated at home & its Criteria.
		(iv)	Faculty of Continuing/Adult Education Community Service M. S. Uni. Baroda 21.1.1991.	Health of Women in child bearing age & age of marriage.
		(v)	Indian Association of Perinatology & Reproductive Biology - Jamshedpur 24-25th Feb. 1991.	How to improve the coordination between the Obstetrician & Neonatologist for reduction of Perinatal Mortality & Morbidity.
6.	Desai P.D.	(i)	Indian Med. Asso. Gujarat Ahmedabad, August 1990	Tripasic concept of oral contraception.
		(ii)	15th All Guj. O & G Cong. Rajkot October 1990.	Fetal Monitoring in 2nd Trimester.
		(iii)	Asia Oceanic Cong. on Safe-Motherhood, Baroda. Nov. 90. 34th All India O & G Cong. Nagpur.	Roll of Primary Health Centres' doctors in reducing Perinatal mortality. Antibiotic & Anti-malarial in 3rd Trimester of Preg.
		(iv)	Annual Conference of Madhya Kerala O & G Soc. Jan. 91.	Unconventional Method of Teaching Obst. & Gyn.

Department of Surgery

1.	Bharaney R.P.	Gujarat State Chapter conference of AOI held at Baroda in Nov. 90.	(i) Colonic Tralima (ii) Post of Respiratory Complications.
2.	Bhatnagar A.	World Congress of Digestive Surgery held at New Delhi in November 1990.	(i) Gall Blader Carcindma (ii) Liv usual primary GIT Carcinoma.
3.	Shukla G.N.	Conference of Association of Surgeons of India held at Indore in December 1990.	Genito Urinary Complications due to fracture of pelvs Review of cases.

Department of Microbiology

1.	Goel R.K.D. & Mahadik A.	XIV National Congress of India association, Medical Microbiologysts Vellore 25 to 27 October, 1990.	A comparative study of HBsAg by CIEP, RPHA screening and ELISA techniques.
2.	Mahadik A. & Goel R.K.D.	XIV National Congress of India association, Medical Microbiologists Vellore 25 to 27 October, 1990.	Prevalence of HBsAg is Viral hepatitis, non-hepatitis patients and healthy persons of Baroda (Gujarat)
3.	Goel R.K.D.	15th Annaul conferance of Association of pathologists and microbiolgyst of Gujarat state, B.J. Medical College, Ahmedabad, November 1990.	Epidemiological stadus of virol hepatitis in Gujarat.

Department of Pharmacology

1.	Bhatt J.D. Hemavathi K.G. Gulati O.D.	42nd Annual conference of the Cardiological society of India October 24-25. 1990 at Bombay.	Effects of Abana on Ethinyl Estradiol Induced Hypertension in Rats.
2.	Bhatt A.P. Bhatt J.D. Hemavathi K.G. & Gulati O.D.	23rd Annual conference of Indian Pharmacological Society with Ist conference of Pharmacologists of Sarc Countries. 8th Dec. 1990.	Effect of Chronic Treatment of Abana and Terbutaline on β2 Receptors of Guninea PIG Tracher.
3.	Pamchakasri U.D. Bhatt J.D. Hemavathi K.G. & Gulati O.D.	23rd Annual conference of Indian Pharmacological Society with Ist conference of Pharmacologists of Sarc Countries. 8th Dec. 1990.	Effects of Chronic Treatment of Abana on Estrogen Induced Hypertension in rats and isolated rabbit aortic strip.

V. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
	Department of Skin & V.D.		
1.	Marfatia Y.S.	(i) Indian Medical Association, Baroda Branch, 19.8.1990.	Leprosy Orientation for Family Physicians.

		(ii)	Public Health Training School, Baroda, 5.9.1990.	Sexually Transmitted Diseases and AIDS.
2.	Patel R.M.		Health Deptt. Govt. of Gujarat Ciba-Geigy Foundation. 3.2.1991	Differential Diagnosis of Leprosy.

VI. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated.
	Department of Obstetrics & Gynecology		
1.	Hazara M.N.	15th All Gujarat Obst. & Gyn. Conference at Rajkot Oct. 1990	Guest Speaker
2.	Desai P.D.	(i) 34th All India O & G Cong. at Nagpur December 1990.	Guest Speaker
		(ii) Asia Oceanic Conf. of Maternal & Perinatal Health - October 1990	Participant
		(iii) Asia Oceanic Cong. of O & G at Bangkok February 1991.	Young Scientist
		(iv) Annual Conference of Madhya Kerala O & G Jan. 1991.	Participant
	Department of Microbiology		
1.	Goel, R.K.D.	C M E Programme at CMC Vellore 24.10.90.	Participant

VII. National & International Awards and Distinctions.

	Name of the Recipient Teacher/ Non-Teacher/Students.	Description of the Award
	Department of Surgery	
1.	Thakore A.B.	Membership of National Academy of Mecial Sciences (MNAMS)
	Department of Obstetrics & Gynecology	
1.	Desai P.D.	"Young Gynecologist" - Asia Oceania Federation of O & G, Bangkok, February 1991.

Department of Pharmacology

1.	Bairaman R., Bhatt J.D. Hemavathi K.G. & Gulati O.D.	Hari om, Ashram Award of 1990. for the best paper Published Entitled "Cadmium - Induced Hypertension."

VIII. Activity of Academic/Social significance organized in/by the Faculty not included under previous items.

- Organised Asia Oceania Conference on Maternal & Prenatal Health, Baroda on 2nd-r4d Nov. 1990.
- Conducting the M.C.H. & Family Planning Clinic in Rural areas.
- Intervention Programme related to improvement of Maternal & Perinatal Health at Waghodia P.H.C. under ICMR. Research.
- Intra-uterine device & the follow up through district Hospital Nadiad & Bharuch.
- Organised Colposcopy workshop for Postgraduates - 27th, 28th March 1991.

IX. Programme of the Faculty for the benefit of the Community/Extension work.

- Training the Specialist for Laparoscopic Sterilization.
- Training the Medical Officers from P.H.C. for Voluntary Surgical Sterilization & Medical Termination of Pregnancy.
- Weekly Diagnostic camp to the city slums related to Maternal & Child Health Care.
- Re-orientation of Medical Education Scheme. Rural Health Services to three adopted Primary Health Centres Villages health & Medical check-up. Total camps.
- Immunisation Services to children below 1 year and pregnant mothers in three adopted PHCs and Ward No. 5 & 8 of Baroda City.
- Camp for deaddication was held at the S.S.G. Hospital, in June 1990.
- Training of Medical Officers of PHC Baroda - Bharuch and Panchmahal District under Integrated Child Development Services. (May 1990) (5 days duration)
- Training of Medical Officers of Primary Health Centre of Baroda District under Acute Respiratry Infection. March 1991. Duration 5 days.
- Received Ultrasonographic equipment for better diagnosis & Management of Obst. & Gynec. high risk cases.

- Colposoope for Early detection of carcinoma of lower genital tract as an extension of Family Welfare Programme of the department for high risk cases.

Bhatt J.D.

Serving as a president of Indian Pharmacological Society (Baroda Branch) for the year 1991. Organised two symposiums on (1) Nootropic and (2) "Cephaiosporins - Current update- in Febraury and July 1991 Respectively.

10 B

Sheth Ujamsinh Pitambardas Ayurvedic Research Unit

I. 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 remained constant for some years as no books have been added.

II. Musum

Fifty groups of available medicinal herbs, each groups containing of 10 drugs according to 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 harberium 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 the harberium and are classified. A map of India showing the distribution of important medical plants of India is exhibited in the museum.

III. Rasha-Shala

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

IV. General Ayurvedic O.P.D.

During the year 1990-91 total patient were treated out of which the new cases were and old cases were

V. Activities of the Department

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

1. Allergic disorders of all types
2. Protozoal diseaces (ICMR Priority subject)
3. Arthristis
4. Pedicatric diarrihea

The study of three drugs which are maintained for Allergy are under study -

1. Curcuma Leng - Haridra
2. Berberis Arstata - Daruharidra
3. Picrorhiza Kurrea - Kutaki

VI. Use of S.S.G. Hospital

The unit has arranged 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 Trails.

VII. Staff

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

One Director, who is responsible for the administration,

One Jr. Director, one Honorary Physician, (Modern Medicine)

Research Officer (Ayurved) Assistant Research Office (Ayurved),

One Ayurvedic Compounder, One Jr. Clerk, One Lab. Attendent and One Sweeper.

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

1. Department of Chemistry - a. Organic b. Synthetic c. Especially Natural Products.
2. Department of Microbiology & Biochemistry
3. Department of Pharmacy (Technology)
4. Department of Nutrition (Home Science)
5. Department of Sanskrit (Arts)
6. Oriental Institute
7. Department of Statistics

The Heads of these departments known as co-ordinators for research in SUPARU be paid Rs. 100/- p.m. as honorarium for which the P.G.I.R. Fund & Relevant O.224 is amended.

Faculty of Technology & Engineering

I. (i) Courses of Studies:-

Department of Applied Mechanics

(a) Post B.Sc. (Geotechnology)
(b) M.Sc. (Tech. (Geotechnology)

Department of Civil

(i) Environmental Engineering
(ii) Highway and Transportation Engg.
(iii) Hydraulic Engineering

(ii) Additional facilities of new option groups of subjects

Department of Mechanical

Audio visual facilities provided to students at U.G. and P.G. Levels.

Department of Architecture

Subjects offered as Electives in II nd Sem. of B. Arch. V

- Interior Designs
- Computer Aided Architectural Design
- Architectural appreciation
- Architectural journalism.

II. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
	Department of Applied Mechanics		
1.	Shroff Arvindbhai V.	"Geotextile of Reinforcement to Weak Subgrades	Jl. of Engg. Tech. Vol. 5, S.P. University, V.V. Nagar, Dec. 90
2.	Shah Dhananjay L.	"Geotechnical Investigation for locating a collector well.	Jl. of Engg. Tech. Vol. 5, S.P. University V.V. Nagar Dec. 90

3.	Shah Ramesh H. Pandya Indradatta I.		"A correlation of concrete strength nondestructive test results	Jl. of Civil Engg. Const. review, Feb. 91 New Delhi.

Department of Civil Engineering

1.	Bhatt R.D. & Amin P.R.		Commercial vehicle traffic on Ahmedabad Vadodara Section of NH8 (Vol. 18 No. 10 Pate 19 to 40)	Indian Highway (Indian Roads Congress Publication) Oct. 90

Department of Chemical Engineering

1.	Pandya S.B. Puranik S.A.	(i)	"Explosion Hazard Control in Chem. Engg. Projects"	Chem. Engg. World XXV (6) 45-60 (June 1990)
		(ii)	"Air pollution & its control in Chemical Industry "Proc. of VI Nett. Convention of Envir Engrs. & Inst. of Engrs.	Chem. Engg. World XXV (6) 45-60 (June 1990)
		(iii)	"Ultrafilltration: an emerging separation teachnique"	Seminar on Feasibility of reverse osmosis Ind. Water Works Assam and Inst. of engrs. Vadodara (22 Sept. 90)
		(iv)	"Design of Pressure Vessels"	Pressure Vessel Tech. GRAI, Baroda (9 Feb. 91)
		(v)	"Ultrafiltration: An emerging Separation technique	Chem. Engg. World XXV (i) 25-28 (Jan. 91)
2.	Pandya S.B. Puranik and S.A. and Sengupta R		"Environmental Degradation : Causes Prevention and Remedies"	Vol. VI Convention of Envir, Engrs. and Inst. Inst. of Engrs Ranchi (8-9Sept. 1990)
3.	Pandya S.B. Dabke S.P.& Puranik S.A.	(i)	"Liquid & Solid Waste management in Chem. Industry	Semianr on Waste utilization and management Calcutta (Sept. 90)
		(ii)	"Engg. Plastics, Incl. High Performance and Speciality Plastics"	Chem. Engg. World XXV (12) 85-90 (Dec. 20-21, 1990)

4.	Pandya S.B. Thakkar C.R. Patel R.V.	Oil & Gas from Agrowaste by H.P. Process"	Proc. of II Natl Tech. Meet Udapipur (Dec. 20- 1990)
5.	Adhikari S.K. Saini, V.S., Sista V.R. N.M. Surana Subrahmanyam N.	"The mechanism of hydrocarbon uptake and solid hydrocarb on fermentation"	Indian Chemical Engineer Vol. 32 No.2 (1990) T. 2 (1990) T.2
6.	Patel P.D. Pandya S.B. & Dabke S.P.	Polyparamethyl Styrene by Suspension Polymerisation	Chem. Engg. World (CEW) Vol. XXV No. 7, July 90
7.	Sengupta R & Puranik S.A.	Mathematical Modelling predication of effecitve interfacial areas and Mass transfer coefficients in packed Column for Absorption	Proceeding of the 5th A.P. PChe Congres Published by Inst. of Engrs. Malaysia Page 6 a 18, July 1990
8.	Puranik S.A. Hathi K.K. & Sengupta R.	Prevention of Hazards through technological alternatives	Safety and loss prevention in Chemical and Oil processing industries. p. 581 to 589. symposium series No. 120 Institution of Chem. Enggrs. United Kingdom Oct. 1990
9.	Puranik S.A. and Sengupta R.	(i) " Mathematical Modelling for Polyprophyene Fibers"	6th National Conv. of Chem. Engrs. Inst. of Enginerrs, Nagpur Oct. 1990
		(ii) Thermodynamics of some oxidation Reactions"	6th National Conv. of Chem. Engrs. Inst. of Engineers. Nagpur Oct. 1990
10.	Puranik S.A. Krushamurty A. & Pandya S.B.	"MathematicalModelling for ASTM, TEP & EFY Data"	Indian Chem. Engg. Congress '90 II Varanasi, Dec. 90
	Department of Pharmacy		
1.	Balaraman R.	Effect of Cadimium on Contractile response to spasmogen in vascular and non vascular tissue	Indian Journal of Exp. Biology 28 : 455-459 May, 90
2.	Murthy R.S.R.	(i) Preparation & Evaluation of cellulose nanospheres containing 5-Fluroro uracil	International Journal of Pharmaceutics 65 (1990) 1-5.

		(ii)	Sustained release formulation of Salbuta mol / Sulphate	Drug Development and Industrial Pharmacy 17 (1991)

Department of Applied Physics

1.	Dhake K.P.	(i)	Fluorescence Beha viour of soem Polymers Luminescene (Phenomena and Materials and Devices)	Nova Publishers, New York U.S.A. 1990
		(ii)	Ultrasonic Properties of mesomorphic phase	J. Acous, Soc. Ind. XVIII (3 and 4) 40-43, 1990
		(iii)	Ultrasonic study of non-mesomorphic Mixtures	J. Acous, Soc. Ind XVIII (3 and 4) 32-35 1990
		(iv)	Ultrasonic Studies in Liquid Crystal at the Phase Transition.	J. Acous. Soc. Ind XVIII (3 and 4) 36-39, 1990
		(v)	Fluorescence Study of Some halcone Comounds	Chin. J. Lum. 1991
2.	Joshi T.R. Murthy K.V.R.	TL studies of Natural Zeolite (Scolectie) from Pavagadh, Dist. Panchamahal. Gujarat.		Journal of M.S. University of Baroda,Vol XXXV-XXXVI No. 3 (Science, Tech. & Medicine) July 1990 Page No. 77-81

Department of Textile Engineering

1.	Vernekar S.T.	Tips on Polyester Cotton blended yarn Sizing.		The Indian Textile Journal May, 1990
2	S.T. Vernekar & Shah N.N.	(i)	Crepe Fabrics	Man Made Textile in India. Oct. 1990
		(ii)	A study of quality and performance of spliced yarn in Weaving	The Textile Magazine Oct. 1990
3.	Bhattacharya S. & Vernekar S.T.	A comparative study of dry and wet doubled yarn.		The Textile Magazine June, 1990.

Department of Applied Chemistry

1.	Vora R.A. Tandel K.N.	Chemical Modification of Polyvinyl Chloride (PVA)by 8- Hydroxy Quinoline Subiptro Mitra.	J. of Technology, 28, 711 (1990)
2.	Vora R.A. & Bharambe D.P.	Polymeric flow improves	Proceeding of National Conference on advances in Rubber Technology Edt. D. Joseph. Frama J & K. George 1991
3.	Vora R.A. & Teckchandani V.R.	(i) New Di-Cholesteryl imide esters esters (i) and carbamates (I) with flexible spacers	Mol. Cryst. Liquid Crystal 105 (1991)
		(ii) Cholesteryl Dicarbon with Rigid & Flexibl Spacers	Mol. Cryst. Liq. Cryst. 105 1991
4.	Vora R.A. Gupta R. and Patel K.	Exhibition of Induce Mesophases in the Binary System where one or both the components are Non Mesogenic	Mol. Cryst. Liq. Cryst. 105 1991
5.	Vora R.A. Rajput S.J.	Binary Mesognic System comprised of esters mesogen and non-mesogens.	Mol. Cryst. Liq. Cryst. 105 1991
6.	Vora R.A. Jadav N.D. Shah N.H.	Azo mesogen I : 4 (4'-n-alkoxy-2 -meth phenyl azo) benzoic acids and methyl 4 (4' n-alkosy phenyl azo) benzoates	Mol. Cryst. Liq. Cryst. 105 1991
7.	Jadav N.D.	(i) Roll of Water Chemistry deciding Corrosion rate.	Chemical Engg. World Vol. XXV No. 8 Aug. 83 (1990)
		(ii) Studies on New Meso-gens -II	J. Phys. Chem. 271 207 (1990)
8.	Mahajan Renu	(i) Liquid Crystal with Symmelrical Diamide linkages.	Mol. Cryst. Llq. Cryst. 205 (1991)

		(ii) Exhibition of Induced Mesophases in the Binary System where one or both the components are non mesogenic.	Mol. Cryst. Liq. Cryst. 265 (1991)

Department of Textile Chemistry

1.	Guha S.B. Jariwala, R.& Patel Vinod	"Dyeing and Finishing of Polyester/cotton blend with Indigosol Dyes".	Colourage, July, 1990.
2.	Guha S.B.	"Interaction between Ethoxylated surfactant and basic Dye".	Colourage, July, 1990.
3.	Guha S.B.& Mairal A.K.	"Problems and Remedies in Polyester Printing".	Textile Dyer & Printer, February, 1991.
4.	Bhattacharya S.D. Patil V.B.	"Geo-Textiles-its Scope in 21st Century".	The Textile Industry and Trade Journal. Vol. 28, No. 7-8, July August, 1990.
5.	MairalA.K. & Guha S.B.	"Problems & Remedies in Polyester Printing"	Textile Dyer & Printer, February, 20, 1991. February, 20, 1991.
6.	Mairal A.K. & Karmakar S.R.	"Studies in the Aggregation of Acid Dyes'.	Colourage, Vol. XXXVIII, No, 2, February, 1991.

Department of Metallurgical Engineering

1.	Raval S.R.	"Fault-Tree Analysis -A versatile tool for failure Analysis"	Proceeding of International Seminar on MICMAP -91 organised by IIM, Baroda Chapter during 14-16 February, 1991.
2.	Agrawal S.K.	(i) "Energy Consideation in Materials Selection for Component Design"	Proceeding of International Seminar on MICMAP -91 organised by IIM, Baroda Chapter during 14-16 February, 1991.
		(ii) "Duples Stainless Steels for Higher Corrosion Resistance.	6th National Convention of MM Div. of IE (I) 1-2 February. (1991)

3.	Patel M.N. A.B. Usha & Pai K.B.	"Failure of ASTM 304 S.S. Trays in IPA Plant an Investigation"	6th National Convention of MM Div. of IE (I) 1-2 February. (1991)

III Published Books / Monographs

Sr No.	Name(s) of Author	Title of Books/Monograph Monographed Report	Name of Publisher & Date of Publication
1.	Pandya P.V.& Parikh (P.V.)	"Towards our future the 21st Century"	Proc. of Natl. Seminar (March 1987) Baroda (Pub. July 1990)

IV Papers Presented At Professional Level Seminars / Conferences Etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Department of Applied Mechanic		
1.	Parikh P. V. and Datir U.D.	Int. Conf. on constitutieve modelling Vol. I, Feb., 1991 held at Arizona, U.S.A.	Dilation Characteristics of gauge material in jointed rocks.
2.	Shroff A.V. & Shah D.V.	Proc. of IGC-90 held at Bombay, Dec. 1990	Polyme based cement grouts.
3.	Shroff A.V.	(i) Proc. of Int. Congress on Tunnel & under ground works Today & Futhre.	Development of Dry mix shotcrate for tunnel support of Narmada Dam (India)
		(ii) Proc. of First Int. Seminar on SMEF held at Iram Nove. 90	Electro-Chemical effects in soft Marine clays by sacrifacial electrodes.
4.	Patel N.M.	All India Seminar on Ground Improvement held at Calcutta druing July 12-13 1990	Improvement of Clayes Geosynthetics.
5.	Patel N.M. & Rana G.D.	Proc. All India Semiar on Soil improvement held at Calcutta. July, p. I 17 to /20	Improvement of Clayes Sub- grades usng Geosynthetics.
6.	Patel N.M. & Pathak S.S.	Proc. IGC -90 conf. held at Bombay Dec. 90	Evaluation of Some Indigenous non woven geotextiles.

7.	Shah D.L. Shroff A.V.	Institute of Engineers (India) West Bengal Chapter, Calcutta,	The development of chemical grout for injecting fine sand's the seminar on ground improvement by Geotextile, stone column & chemical grouting.

Department of Civil Engineering

1.	Bhavani H.V.	National Seminar on Fesibility of Reverse Osmosis and ultrafilite ration for reuse of waste water 22 Sept. 90 Vadodara	Recent development in Reverse Osmosis Modules.
2.	Bhatt N.M.	National Seminar on Fesibility of Reverse Osmosis and ultrafilite ration for reuse of waste water 22 Sept. 90 Vadodara	Water reclamation from waste waters of Petro chemical Industries.
		National Seminar on Fesibility of Reverse Osmosis and ultrafilite ration for reuse of waste water 22 Sept. 90 Vadodara	Recent developments in Reverse Osmosis modules.
3.	Shete D.T.	Seminar on Drip Irrigation Gujarat Association for Agricultural Sciences, Gujarat Agricultural University Anand 22-9-90	"Design of Drip Irrigation on Non Uniform slopes"

Department of Electrical Engineering

1.	Shah S.G.& Kharedy Y.P.	Symposium & Workshop on Recent Advances in Microprocessor Applications on 22-23 March 91 At Indian Inst. of Technology Powai.	"Microprocessor based Sine Wave PUlse width Modulated Inverter using DMA Techniques"
.2.	Shah N. Shah S.G Apte A.	Symposium & Workshop on Recent Advances in Microprocessor Applications on 22-23 March 91 at Indian Institute of Technology-Powai	"Design of A Data Switch"

3.	Shah S.G.	Paper presented on "MCA Curriculum" At the Seminar on MCA Curriculum held at CSI-Vallabh vidyanagar Chapter February, 1991	"Difficulties and Suggestions"

Department of Architecture

1.	Deshpande S.V.	International Conference on "Architecture of Cities at Calcutta" Nove.90	"Medieval towns within cities of Gujarat a study"
2.	Shelat U.	(i) Seminar at the Dept of Geography M.S.U. Feb. 91	"Environment and Ecology of Pirotan Islands".
		(ii) All India Museum's Week Faculty of Fine Arts M.S.U. Jan. 91	
3.	Patel M.	Young Architects Convention at Ahmedabd Dec. 90	"Relevance of Economics in Economics in Architet rural Education".
4.	Lakshmi S. B.	International Conference on Architecture of Cities at Calcutta Nov. 1990	City of Vadodara Revival of old

Department of Pharmacy

1.	Murthy R.S.R. & Misra A.N.	42nd Indian Pharmaceu tical Congress Dec. 1990	(i) Fabrication formulation of Microsphere of anti-Inflammatory drugs.
			(ii) Evaluation of Physical parameters on the preparation of druts microspheres using acrylic resin.
			(iii) Fabrication and evaluation liposomal topical formulations.
		42nd Indian Pharmaceutial Congress Dec. 90 at Manipal	(iv) Clinical evaluation of Lipo somal topical production of a corticosteroid.

2.	Murthy R.S.R.	42nd Indian Pharmaceu tical Congress Dec. 1990	(i) Formulation and evalua tion of per oral Buoyant tablets containing Ribod-flavin. (ii) Formulation and evaluation of poly amide micro-capsules containing 5-FU for drug targetting.
3.	Mishra S.H.	42nd Indian Pharmaceutical Congress, Dec. 90at Manipal	(i) Studies on Utlisation of Polysaccharide of Moringa pterygosperma Gaertn in PHarmaceutical Dosage forms. (ii) Investigation on Polysaccharide of Moringa Pteryogosperma (Drum stick Polysaccharide of DSP) for their chemica constitution.

Department of Applied Physics

1.	Joshi T.R.	International conference on Luminescence (ICL-90) Lisbon, Protugal July 90	Thermally and Deformation Induced (i) Fluorescence in Sodium Iodie. (ii) Effect of Hydrogen bond on Fluorescence of some chalcones. (iii) Thermoluminescence on Fluorescence of Some chalcones.

Department of Textile Engineering

1.	Kapadia V.H.	(i) National Semimnar on Sizing organized by Textile Association of India, Ahmedabad, Jan.91	Sizing of Open End Yarn
		(ii) 3rd Technological Conference of MANTRA, Surat, March 91	Interx mingled Yarns.

2.	Shah N.N. others	3rd Technological Conference of Manatra, Surat, March,91	Effect of Pre and twist on Physical properties of Polyster and Nylon Air Tectured Yarnrs.

Department of Textile Chemistry

1.	Sadhu T.K.	Third Technological Conference. Man-made Textiles Rese arch Association (MANTRA) surat, on 16th March, 1991.	Physicochemical Aspects of Interaction of Nonionic surface active agent and Nonionic Dyes in polyester Dyeing system.

Department of Applied Chemistry

1.	Vora R.A. & Teckchandani V.R.	(i) 13th Internatioal Liquid Crystal Conference, Vancouver Canada 22-27 July,90	(i) New Di-cholesteryl imide esters (I) and carbamates (I) with flesible spacers. R.A. Vora & V.R. Teckchandani (ii) Exhibition of Induced Mesophase in the Binary System where one or both the components are Non Mesogenic. (iii) Cholesteryl Dicarbonates with Rigid and Flexible Spacers. (iv) BinryMesogenic System comprised of esters mesogend and non-mesogens. (v) R.A. Vora and S.J. Rajput Azo mesogns I: 4 (4' -n-alkoxy-2'-methyl-Phenyl azo) benzoic acids and methyl) 4(4'-n alkoxy phenyl azo) benzoates (vi) R.A. Vora, N.D. Jadav & N.H. Shah Mesogenic properties as an analytical tool for the pyrotylic Transformation of substituted Aryl aldehyde semi

			carbazones to corresponding Bozyl azines. N.K. Chudgar, S.H. Sheth & R.A. Vora
		(ii) 27th Annual Convention of Chemist Dec. 26-301990 Magadh Uni. Bodhygaya (Bihar)	Mesogenic Home poly mers and Copolymers of Aromatic hydroxy acids.
2.	Jadav N.D.	13th International Liquid Crystal Conference Yancouver, Canada 22-27 July 90	Azomesogens I 4 (4'-n-alkoxy -2-methyl phenylazo Benzoic acids and Mythyl 4 (4'-n- alkoxy phenyl azo) benzoates. N.D. Jadav. N.H. Shah and R.A. Vora
3.	Gupta R.	13th International Liquid Crystal Conference Vancouver Canada 22-27 July.90	(i) Liquid Crystals with sym metrical Diamide Linkages Renu Gupta and R.A. Vora. (ii) Exhibition of Induced Mesoph ases in the Binary systems where one or both the components are non mesogenic. Renu Gupta & R.A. Vora

V. Talks of Academic Nature given at different Universities/ Professional Institutions.

Sr.	Name of Person	University/Institution and Date	Title of Lecture
	Department of Applied Mechanics		
1.	Shroff Arvindbhai V.	(i) Gujarat Engg. Research Institute, Baroda 27.7.90	Soil Investigation for Foundation Design parameters by pressure meter test.
		(ii) Goa University , Engg. College 22.2.91	Grout mix design for various Geotechnical application.

Department of Civil

1.	Bhavnani H.V.	Continuing Adult Education Deptt., MSU.	Monitoring of ambinet of air objective and method.
2.	Shah A.N.	Cont. Adult Edu. Deptt. 22.8.90	Air pollution
3.	Bhatt N.M.	(i) ONGC 15.11.90	Sources of Air pollution sampling and Monitoring Application of Biochemical Engg. to Design
		(ii) ISTE WINTER SCHOOL 12.12.90 B.C.M. Vallabh Vidyanagar	Application of Blochemical Engg. Biochemical Engg. to Design
		(iii) Seminar on Instrumentation Spectra Lab. 12.12.90 10 am.	Microbial Treatment of Industrial Waste BOD count Meter
		(iv) ONGC Ankleshwar 5.5.90	Know our Environment
		(v) Home Science, MSU. Vadodara 21.8.90	Waste water Treatment
4.	Panchal P.K.	Tuesday 21.8.90 6 to 9 p.m. 3hrs. continuing Adult Ed. Dept. MSU.	Control of Air Pollution
5.	Bhatt R.D.	(i) ISTE Winter School on appropriate Technology for Rural Planning and Environment 24th Dec. 1990 to 5th Jan. 1991	Considerations in Rural Road Planning
		(ii) ISTE Winter School on Transportation Management for Small and medium size cities 28th Jan. 10 Feb. 91 on 4.2.91 S.V. Regional College of Engg. & Tech.	Transportation system Management
6.	Parmar N.B.	ISTE Winter School on appropriate Technology for Rural Planningm and Environment 24 Dec. 1990 to 5th Jan. 1991	Low cost Roads, Construction in Rural area.

Department of Electrical Engineering

1.	Smita Anil	Electrical Research & Development Association Baroda. December 1990.	Delivered a lecture on partial Discharge Measuring Technique in National Workshop on H.V. Measuring Techniques

Department of Pharmacy

1.	Murthy R.S.R.	2nd GPTI Conference L.M. College of Pharmacy Ahmedabad February 1991	Drug Targetting
2.	Mishra S.H.	2nd GPTI Conference L.M. College of Pharmacy Ahmedabad February 1991	Advances in Phyto Pharmaceuti--cals

Department of Textile Engineering

1.	Kapadia V.H.	Gujarat safety Council Vadodara, March 1991	Textile Hazards

Department of Chemical Engineering

1.	Subrahmanyam N.	Central Salt and Marine Chemicals Research Inst. Bhavnagar 11.2.91	Explanding horizon of Chemical Engg.
2.	Ethirajula K.	Guj. State Fertilizers Comp. 4.4.1990	Short cut design methods for Reverse osmosis
3.	Sengupta R	Central Salt and Marine Chemical Research Institute Bhavnagar, 11th Feb. 1991.	New Separation Techniques

Department of Applied Chemistry

1.	Vora R.A.	(i) Work-shop, ONGC, Baroda 6.11.90	Ecological Management General aspects.
		(ii) ONGC Seminar, Baroda 25-28, Feb. 1991	Industrial growth and its impect on Environment (-a series of TWo Lectures).
		(iii) ONGC Seminar, Baroda 1991	Liquid Crystals and its applica-tions

		(iv) Dept. of Physics, Dhule University of Poona 2 9-30 March, 1991.	Liquid Crystals and its applications
2.	Murti N.S.S.	Safety Seminar on Corrosion Management, January, 1991	Science of Corrosion and its Forms
3.	Pai K. B.	UNIDO Lecture at IPCL, Baroda March, 1991.	Basic Corrosion
4.	Joshi P.B.	IPCL Baroda, March, 1991.	High Temperature Materials
5.	Agrawal S.K.	(i) IPCL Baroda, March, 1991.	Welding Technology and and Defects.
		(ii) At training programme in advanced foundry technology at L.D. Engineering College, Ahmedabad, 24th Jan. '91	Recent Development in Investment Casting.
		(iii) ISNT, Baroda Chapter, 25th Feb. '91	Nitrogen Bearing Stainless Steels.
6.	Gadgeel V. L.	(i) IPCL Baroda, March, 1991.	Corrosion Failure Analysis.
		(ii) Training Programme on Advanced Foundry Tech. at L.D. Engg. College, Ahmedabad, 25th Jan. '91	Failure Analysis of Steel Casting.
7.	Basa D.K.	Training Programme on Advanced Foundry Tech. at L.D. Engg. College, Ahmedabad, 25th Jan. '91	"Some Problems in the Melting of Non-ferrous metals and Alloys."

VI. Participation in Professional Programme Workshop, Summer School Etc.,

Sr. No.	Name of Person	Programme place and Date(s) Participated	Capacity in which
	Applied Mechanics Department		
1.	Shroff A.V.	(i) One day Workshop on Foundation investigation Vadodara, 27th July, 1990.	Expert lecturer
		(ii) All India Seminar on Ground Improvement held at Calcutta, 12-13th July, 1990.	Participant

2.	Patodi R. P.	Computer Applications in Civil Engineering, Pune, at Institution of Engineer 1 & 2 Nov. 1990.	Participant
3.	Shah D. L.	(i) Indian Geotechnical Conference on Professional practices in Geotech. Engg. held at Bombay, 17th Dec., 1990.	Participant
		(ii) All India Seminar on Ground Improvement held at Calcutta, 12-13, July, 1990.	Parrticipant
5.	Pandya I. I. & Shah R. H.	Seminar on "Reverse Osmosis for Waste Water" Baroda, 15th Dec., 1990.	Participant
6.	Pandya I.I.	(i) Summer School "Structures for Nuclear Power Plant" IIT, Madras, 16-30 June, 90.	Participant
		(ii) XX Annual convention of ISTE B.V.M. V. V. Nagar, 21-23, Dec., 1990.	Participant

Department of Civil Engineering

1.	Bhavanani H. V.	Convention and Seminar on performance appraisal and Development systems in Technical Institution held at B.V.M. V.V. Nagar, 20-21-22 Dec., 1990 by ISTE.	Chairman ISTE, Gujarat Section.
2.	Bhatt R. D.	Seminar on Performance appraisal Evaluation and Development in Tech. Education held at Vadodara (on and Vallabh Vidyanagar on 20-22., Dec. 1990.	Delegate
3.	Shah D.M.	Performance appraisal and Development system in Technical Institutition hale at V.V. Nagar 20-22 Dec. 90.	Delegate
4.	Panchal P.K.	Convention and Seminar on performace appraisal and Dev. Systems in Technical Institution held at B.V.M. V. Nagar, 20-21-22, Dec., 1990 by ISTE.	Delegate
5.	Pathak R. H.	1. Seminar on performance Appraisal and Development system in Technical Institution held at V.V. Nagar, 20-22nd Dec., 1990.	Delegate

6.	Prajapati J. J.	XX annual Convention of ISTE Vallabh Vidyanagar, Dec. 90.	Delegate.
7.	Parthsarthy G.S.	24th Annual Convention of Indian Water Works Association at Ahmedabad 9-1-91.	Delegate
8.	Bhatt N. M.	24th Annual Convention of Indian Water Works Association at Ahmedabad 9-1-91.	Delegate
9.	Sutaria P. N.	24th Annual Convention of Indian Water Works Association at Ahmedabad 9-1-91.	Delegate

Department of Textile Chemistry

1.	Bhattacharya S. D.	Summer School on "Computer Aided Colour Measurements and Marching for Industrial Products". AT S.V.R. College of Engineering and Technology, Surat (India). From : 25-6-1990 to 7-7-1990.	Delegate.

Department of Electrical Engineering

1.	Desai R. C.	National System Conference - Aligarh Muslim University and System Society of India at Aligarh - Dec., 22-24, 1990.	Chairman of the Technical Session on System Identification
2.	Shah S. G.	B.E. Computer Curriculum" at the Workshop on Computer Courses Curriculum Development held at Vikram Sarabhai Community Science Centre, Ahmedabad, October, 1990.	Chairman of Session
3.	Patel K. S.	Attended ISTE, Annual Convention held at Vallabh Vidyanagar, Gujarat during 20-22, Dec., 1990.	Participant
4.	Patel S.S.	Attended ISTE, Annual Convention held at Vallabh Vidyanagar, Gujarat during 20-22, Dec., 1990.	Participant
5.	Kelkar R. B.	(i) Attended ISTE, Annual Convention held at Vallabh Vidyanagar, Gujarat during 20-22, Dec., 1990.	Participant

		(ii) Short Term CIP Course on 'Selected Topics in Electrical Power Systems at IIT, Kanpur, July 2-14, 1990. Applications on 22-23, March, 1991.	Participant
6.	Chudasama A. R.	Short Term CIP Course on 'Selected Topics in Electrical Power Systems at IIT, Kanpur, July 2-14, 1990.	Participant
7.	Nehete P. P.	Short Term CIP Course on 'Selected Topics in Electrical Power Systems at IIT, Kanpur, July 2-14, 1990.	Participant
8.	Joshi S. K.	Short Term CIP Course on 'Selected Topics in Electrical Power Systems at IIT, Kanpur, July 2-14, 1990.	Participant
9.	Kharady Y. P.	(i) Computerization of Gas Chromatography Exp. "International Conference on Chromatography" At Aligarh held by Aligarh Muslim Univ. 27th March, 1991.	Participant
		(ii) "Micro-computer Contolled Gas Chromatography & Data handling System" Seminar on "Electronic in Process Industries" held by 27th Dec., 1990.	Participant

Department of Architecture Department

1.	Navangul A. G.	Workshop on Architectural Education Bombay - organised by all India Council of Architecture, March, 1991.	Delegate
2.	Pathak D. D.	N. B. O. Workshop on Muldar Co-Operation Sardar Patel University , Vallabh Vidyanagar, Sept., 1990.	Participant

Department of Applied Physics

1.	Joshi T.R.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Convener
2.	Potbhare V.N.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Co-Convener

3.	Patel B.B.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Participant
4.	Shah A. J.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Participant
5.	Prasad L.H.H.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Secretary
6.	Dhake K.P.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Co-Convener
7.	Patel H. B.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Participant
8.	Patel P. H.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Participant
9.	Karlekar M.N.	National Seminar on Thermoluminescence and Its Applications, M. S. Uni., Baroda, 7-9 Feb., 1991.	Participant

Department of Applied Mathematics

1.	Agrawal S. R.	2nd Bienniel Conf. of Allahabad Mathematical Society at Allahabad on April 7, 1990 (7-9, April)	Some recent trends in the convergence & summability of general orthogonal series.
2.	Pathak V. D.	7th Gujarat Science Congress during 2nd and 3rd March, 1991 At Ahmedabad.	Fast Fourier Transforms.

Department of Chemical Engineering

1.	Puranik S.A.	(i) Chemical Engg. for Non-Chemical Engineers" Training Programme a arranged by IIChE, BRC, 28-29, Jan., 1991.	Gave 4 invited Lecturers to participants on Thermodynamics and Reaction Engg."
		(ii) IPCL Training Centre, Nov., 1990.	4 invited Lecturers Thermodynamics & Reaction Engg.
		(iii) 6th National Convention of Chemical Engineers, Inst. of Engg. Nagpur, Oct., 1990.	Chaired the Technical Session on "Computer simulation and Modelling"
		(iv) International Congress 5th APPCE -1990, held at Kuala Lumpur, Malaysia, July, 1990.	Chairman of a Session on "Modelling & Simulation"
2.	Subrahmanyam N.	A short term course on "Chemical Engg. to non-chemical Engineers" organised by the IIChE Baroda Regional Centre, 28 Jan. to 2nd Feb. 1991.	Resource Person
3.	Sengupta R.	Chemical Engg. for Non-Chemical Engineers Jan., 28th to 2nd Feb. 1991 organised by IIChE-BRC at Hotel Express, Alkapuri.	Course co-ordinator.

Department of Pharmacy

1.	Mishra A. N.	2 week training programme at BRIT, BARC, Bombay from 10-22nd March, 1991.	Trainees.
2.	Rajput S. J.		

Department of Metallurgical

1.	Murti N. S. Sundar	An International Conference MICMAP-91 (Maintenance, Inspection, Corrosion, Management and Plant Reliability) organised by IIM, Baroda Chapter, jointly with Metallurgical Engineering Department, Faculty of Technology and Engineering, Kalabhavan, 14-16th Feb. 1991 at Baroa	Organising Committee Members
2.	Gadgeel V. L.		
3.	Agrawal S. K.		
4.	Basa D. K.		
5.	Pai K.B.		
6.	Chourasia N. C.		
7.	Khurana S.C.		
8.	Lele A.B.		

9. Shah N.M.
10. Joshi P.B.
11. Dutta S.K.
12. Patel M.N.
13. Raval S.R.
14. Soman S.N.
15. Chauhan B.J.
16. Parmar K.H.

1.	Lele A.B.	XX Annual Convention of ISTE at	As ISTE Member
2.	Patel M. N. &	Vallabh Vidyanagar 20-22nd	
3.	Agrawal S.K.	December, 1990.	

VII. Exhibition Performances, Demonstration etc. of State, National or International Level

Department of Applied Mechanics

Applied Mechanics Department took active part displaying their testing facilities during Exhibition organised by Faculty of Tech. & Engg. Kalabhavan on testing facilities of various departments at G.I.D.C., Baroda in the month of November, 1990.

Department of Civil

1.	Bhatt R.D.	Invited as external member, Department Bareau of students Civil Engg. Deptt. S.V. R., Engineering College Surat 395007 for a period of 3 years from 1-1-91.

Silver Jubilee Function of Metallurgical Engineering Department was inaugurated on 5th October, 1990, by Shri Charan Singh Chawla, During this Silver Jubilee year Technical Lectures were delivered by different speakers.

VIII. National and International Awards and Distinctions

	Name of the Receipient Teacher/ Non-teacher/Student	Description of the Award

Department of Applied Mechanic

1.	Patel N.M.	Hari Om Ashram Prerit Bhaikaka Inter University Smarak Trust Prize of 1989 in structural Engineering group for the best paper awarded in Dec. 1990.
2.	Pandya I.I.	Consolation Prize in All India Essay Competition organised by Institution of Engineers (India) and Water Work Association on "Rehabilitation of old water distribution system", 15th June, 1990.

Department of Chemical Engineering

1. Puranik S.A.
   (a) Received "Best paper presentation Award" for the paper entitled as "Environment Degradation : Causes, Prevention and Remedies" in National Seminar on "Environment and Ecology -India Scenario" held at Ranchi, Sept. 1990 by Inst. of Engineers, Ranchi Local Centre.

   (b) "Best publication Award" for the paer entitled as "Manufacture of Butyl Acetate in dual bed reactor" for the year 1990 published in J. Inst. of Engineers, Chem. Engg. Div Calcutta.

   (c) "Best presentation Award" for the paper entitled prediction of mass Transfer cotticients in packed column in Indian chemical Engg. congress- 1990 held at varanasi in Dec. 1990.

Department of Textile Engineering

1. De Dipakkumar
   (i) As an expert in the interview committee of Ministry of Education for Japanese and Italian Government Scholarships.

   (ii) As one of the members in selection committee of U.P.S.C.

2. Mistry R.J.
   (i) Expert member of Science & Technology Advisory Committee of Ministry of Textiles Govt. of India.

   (ii) Expert member of Textile Machinery Manufacture Association Award Committee.

IX. Distinguished Visitors

Department of Applied Mechanic

Sr. No.	Name	Designation	Date(s) Visit
1.	Bhandari R.K.	Director, CBRI, Roorkee	1st Feb. 1991
2.	Mannan S.L.	Head, MDD IGCAR, Kalpakkam	15th March, 1991
3.	Chandra S.	Prof. Civil Engg. Deptt. IIT, Kanpur	18th March, 1991

Department of Applied Mathematics

1.	Eric Fonley	Mathematics University of Nottingham, U.K.	25th Feb., 1991

Department of Metallurgical Engineering

1.	Patwardhan A.K.	Professor, UDR, Roorkee	17-12-1990
2.	Ramkrishnan P.R.	Professor, IIT, Bombay	10-1-1991
3.	Padmanabhan K.A.	Professor, IIT, Madras	15-3-1991
4.	Mannan S.L.	Head, Materials Development Division, IGCAR, Kalpakkam	15-3-1991

X. Pogramme of the Faculty for the benefit of the Community/Extension Work

Name of the Dept.	Name of the Teacher	Programme, Place and Date
Department of Civil		
1. Civil Engg. Dept.	Shri N. M. Bhatt	(1) Environmental Pollution and Control at schools in Vadodara (Slide show) lectures
		(2) Electrical Safety programme at Schools in Vadodara.
		(3) Slide show lectures in 32 schools.
2. Architecture Dept.		(1) Prepared proposals for Environmental improvement of Some areas in and around Baroda City Scheme presented at SOCLEEN Seminar and to the B.M.C.
		(2) Prepared proposals for traffic planning at some spots in Baroda and presented those to the Traffic Police.

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

1.	Bhavanani H.V.	– Environmental Pollution awareness camp for school children through lectures.
		– Tree plantation programme in the city under clean environment programme.

Department of Applied Physics

Conducted National Seminar on Thermoluminescence and Its Applications during 7-9 Feb. 1991. More than hundred Scientists Participated and presented research papers (70) and delivered Invited talks (20).

Shri R.P. Jamdagni, Reader in Textile Chemistry Department completed the requirements for the Doctoral Degree in Textile Chemistry at U.D.C.T., Matunga, Bombay-19 in February, 1991.

Entrepreneurship Development cell

The activites of EDC are as under;

- Meetings with practicing Enterpreneurs.
- Achivement and Motivation Workshops.
- Saminars and discussions with Experts from Marketing,
- Gudience for starting small Business.

XII. Library

A. Acquisiton Notes :

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

Sr.	Name of the Grants	Amount sanctioned
(1)	Faculty Permanent Grants for	
	(i) Books and Periodicals.	Rs. 04,00,000.00
	(ii) Binding.	Rs. 00, 20,000.00
(2)	Introduction of Degree course in Pharmacy :	
	(i) Books and Periodicals.	Rs. 00,11,000.00
	(ii) Binding	Rs. 00,01,000.00
(3)	Master of Computer Application (MCA) Course : Department of Electronics Library Books, Journals, Manual, Software Package, etc.	Rs. 00,50,000.00
(4)	Introduction of B. Technology course in Computer Science	

and Engineering for books. Rs. 00,08,000.00

(5) Irrigation Management & Training Institute for Books and Periodicals. Rs. 00,15,000.00

B. Periodicals :

The Library has subscribed during the year 220 periodicals at the cost of Rs. 3,78,605.00. We have added 663 Bound Periodicals during this year. Readers are making good use of the periodicals. As per our statistics 12,074 readers have made use of periodicals during the year.

C. Collection of Books and Journals :

Sr. No.		Books	Bound Periodicals	Total Cost
(1)	Number at the beginning of the year	72,082	13,433	Rs. 91,01,864.38
(2)	Number added during the year	426	663	Rs. 01,56,742.00
(3)	Number withdrawn during the year	–	–	–
(4)	Number remaining at the end of the year.	72,508	14,096	Rs. 92,58,607.16

D. Circulation of Books :

(i) Timings :

The Library and Reading Room were kept open from 8-00 a.m. to 10.00 a.m. on all the days including Saturdays, Sundays and Holidays. The Library remained full with readers throughout all the working hours of the Library during the year.

(ii) Registration : Different Catagories :

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

(i)	Post Graduate Students	704
(ii)	Under Graduate Students	2,466
(iii)	Faculty Teachers	322
(iv)	Deposit Members	18

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

(a)	Total number of books issued per day for reading	1,485
(b)	Average number of books issued per day for Home Reading	514
(c)	Average number of books issued per day for reading from Curricular Section	809
(d)	Average number of books issued per reader in the year	162

E. Orientation Programme ;

In the begining of the academic session we conducted orientation programme for the new entrants giving them the instructions 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.

F. Exhibitions :

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

G. Reference Service :

We are giving reference services, such as answering questions of readers personally, by correspondence and on phone and, providing guidance to students and teachers for the better use of library resources. We are giving bibliographical services also as per the request of the readers. 2,118 inquiries of students were answered with the help of Reference Books and 6,214 students made use of Reference Collection during the year.

H. Theses and Dissertations :

Total collection of the Theses and Dissertations in our library is 856. A separate catalogue is prepared for this collection. 3,663 students made use of Theses and Dissertations during the year.

I. Reprographic Unit :

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

J. Other Activities :

(i) Staff Meeting :

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

TRAINING AND PLACEMENT ACTIVITIES 1990-91

During the year 1990-91, the placement activities were intensified as two batches of graduates were to be available for placement at the interval of six months Dec. 1990 batch and June 1991 batch. As many as 66 campus interviews were arranged successfully giving employment opportunities to large number of graduates. Upto June 1991, the biodata of fresh graduates were supplied to 124 organizations out of which some visited the campus for conducting campus interviews while rest chose to call the selected candidates to their premises for interviews.

The personnel of various organisations for campus recruitment were provided the necessary facilities like audiovisual aids – TV, VCR, overhead projector, conference room, and hospitality of their satisfaction.

The examination schedules of Dec. 1991 batch as well as June 1991 batch were delayed and hence the results were also made available late which affected the prospects of employment of many students.

For training during summer vacation, various companies in and around Baroda as well as at other convenient places like Ahmedabad, Surat, Bharuch, Ankleshwar etc. were contacted and training for more than 175 students of prefinal year was arranged. The number of students willing to undergo industrial training was less during the academic year due to the fact that after the mid-year vacation as well as summer vacation, the semester examinations were scheduled as per the delayed programme of examinations.

Industrial visits were arranged to (i) Vanakbori Thermal Power Station, (ii) Batliboi & Co., Surat and (iii) Elecon Engg. Company, Vallabh Vidyanagar. Many students visited the factories in an around Baroda in small groups under the guidance and assistance of the Training Section of the Faculty.

12

Faculty of Fine Arts

I. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
	Department of Painting		
	Bhatt J.M.	Rama Namis' Annual Fair	Swagat. Sept. 1990
	Department of Museology		
1.	Shah R. P. & Shah A.R.	Conservation of Caryatid - A Zinc Object	Conservation of Cultural Property in India New Delhi. Vol. No. 22 1989 (Oct. 1990) Vol. No. 23 1990.
2.	Shah N. R.	Conservation of a Wooden Plaque	Conservation of Cultural Property in India New Delhi. Vol. No. 22 1989 (Oct. 1990) Vol. No. 23 1990.
	Department of Art History & Aesthetics		
1.	Parimoo Ratan	(i) 'The Myth of Gupta Classicism& The concept of Regional Genres'.	New Quest, Pune Nov./ Dec. 1990 Jan/Feb. 1991.
		(ii) A Tribute to Bender (N. S. Bender's Baroda Phase)	Lalit Kala Contemporary No. 37, 1991 New Delhi.
		(iii) Vidhura Pandita Jataka From Barhut To Ajanta	Debala Mitra Felicitation Volume New Delhi - 1991.
2.	Kannal D. H.	(i) Article on "Drawings"	Samvad Quarterly Vol. I. 1990
		(ii) Article on "Drawings".	Samvad Quarterly Vol. III. 1991
		(iii) Prabhakar Barve's Kora Canvas.	Samvad Quarterly Vol. IV. 1991

		(iv) The Significance & Limitations of D. G. Godse's Critical Writing.	Alochana - June/July 1990.
3.	Panikkar Shivaji K.	The Kerala Temple Tradition	Kerala State Gazetteer Vol. (IV). 1990

II. Papers Presented at Professional level seminars/conferences, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Department of Art History & Aesthetics		
1.	Parimoo Ratan	UGC National Seminar on "Comparative Aesthetics & the Criticism of Contemporary Arts". from 2nd to 5th Jan. 1991 in the Dept. of Art History & Aesthetics.	Material for the Study of Style, Narratology and Semitics, from sanskrit Literature & their relevance to Pictorial arts
2.	Kannal D. H.	UGC National Seminar on 'Comparative Aesthetics & Arts, Dept. of Art History & Aesthetics. 4th Jan. 1991.	Dalit Literature - The Changing Aesthetics
3.	Panikkar Shivaji K	(i) National Festival of Mohiniattam Organized by India International Center - New Delhi Oct. 1990.	"Structural Interrelation-ship of Kerala Arts"- An Aesthetics Point of view.
		(ii) UGC National Seminar on "Comparative Aesthetics 2 (Criticism of Contemporary Aesthetics Arts" Dept. of Art History & Aesthetics - 2nd to 5th Jan. 1991.	'Indian Radical Painters & Sculptors Association - The Problem of Political Art in Contemporary India.
		(iii) Seminar of "Politics & Art" Organized by Abhigyan Dept. of Art History & Aesthetics, MSU Baroda - March 1991.	"The Metaphoric and the Literal Sexuality as a Progressive Motif in Contemporary Indian Art.
4.	Vijayanti Navangul	(i) UGC National Seminar on Comparative Aesthetics & Criticism of Contemporary Arts" Dept. of Art History & Aesthetics. 2nd to 5th Jan. 1991.	"A Reinterpretation of Vishnudharmottara Purana Adhyaya - 41."

	(ii) Gujarat State University & College Sanskrit Teacher's Association - 16th Conference Shamalaji - 27th to 29th March, 1991.	"Prerequisites of a Sthapati".

III. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
	Department of Painting		
	Bhatt J.M.	Hathising Center of Visual Arts, Ahmedabad, June 1990	Contemporary trends in Photography.
	Department of Museology		
	Shah R.P.	Postal Training Center, Vadodara. 12-3-1991.	"Stamp Designing & Philately".
	Department of Art History & Aesthetics		
	Parimoo Ratan	(i) Somashekhara Memorial Lecture Deptt. of Archaeology, Hyderabad Andhra Pradesh 17th April, 1990.	Adaptation of Folk tales for Buddhist Jataka Stories & their depiction in Indian Art.
		(ii) Films & Television Institute Pune, 13th & 14th June, 1990.	(i) Perspective & Light in European Painting (ii) Narrative in Indian Painting & Sculpture.
		(iii) Gujarat State Lalit kala Academy, Ahmedabad 22nd Sept. 1990.	Lecture on Contemporary Indian Art.

IV. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated.
	Department of Sculpture		
	Kaneria R.R.	Participated in the International Sculptors Symposium Organized by Kerala Kala Pitham, Cochin, Jan. 1991.	Invited Artist

Department of Graphic Arts

Dhumal Rini P.	(i)	International Graphic Workshop Lalit Kala Akademi, Bhubaneshwar, March, 1991.	Participant.
	(ii)	One Person Exhibition C.C.A. Gallery, New Delhi Sept. 1990	Invited Artist
	(iii)	Exhibition of Prints Madrid, Spain Nov. 1990	Invited Artist

Department of Museology

Shah R.P.	Philatelic Workshop at Nadiad Head Post Office on 22nd. Jan. 1991.	Invitee

V. Exhibitions, Performances, Demonstrations, etc. State, National or International Levels.

Sr. No.	Name of the Teacher		Programme, Place & Date.
	Department of Painting		
1.	Sheikh G.M.	(i)	One man show at C.M.C. Gallery, New Delhi, from 22nd March to 6th April, 1991.
		(ii)	Group Show of Graphics at Cymroza Gallery, Bombay. December 1990
2.	Bhatt J.M.		Exhibition of Photographs "Living Tradition of Folk & Tribal Arts in India". at Cymroza Art Gallery, Bombay in March 1991.
3.	Shah Vinod		Group Exhibition of Prints at Cymroza Art Gallery, in December 1990.
4.	Patel V. R.		Group Exhibition of Prints at Cymroza Art Gallery, in December 1990.
5.	Vasudevan A.	(i)	Participated in a Group show ar Art Espace, New Delhi. in January 1991.
		(ii)	Conducted Study Tour of Painting Dept. Students to Udaipur, Nathdwara & Chitrogad, in March 1991.
6.	Rathwakoli N.A.		Conducted Study Tour of Painting Dept. Students to Udaipur, Nathdwara & Chitrogad, in March 1991.

Department of Sculpture

7.	Kaneria R.R.	Participated in an International Exhibition of "7th India Trienalle 1991" New Delhi in February 1991.
8.	Kansodaria Ratilal	(i) Participated in Martin Luther King Monumental Sculpture Competition in April 1990 (ii) Participated in National Exhibition of Art in December 1990. Organized by Lalit Kala Akademi.

Department of Art History & Aesthetics

9.	Parimoo Ratan	Invited to Organize Group show of Baroda Artists, Contributed Introduction to the Catalogue and also participated in the Exhibition. C.M.C. Art Gallery, New Delhi, November, 1990.
10.	Kannal D. H.	Group Show of Paintings, Sculptures & Graphics at CMC Gallery, New Delhi, Nov. 1990. Acted in a Play "JASWANDI" written by SAI PARANJAPE Staged by BADC, Baroda in Feb. 1991. Prepared stage sets for the above play.
11.	Rathod Aruna	Played leading role in the Play "JASWANDI" Written by SAI PARANJAPE Staged by BADC, Baroda in Feb. 1991.

Department of Applied Arts

12.	Rabadia Jayanti	Participated in Group Exhibition at CMC Art Gallery, New Delhi in Nov. 1990.

VI. National & International Awards and Distinctions.

Name of the Receipt Teacher/ Non-Teacher/Students.	Description of the Award
Department of Art History & Aesthetics	
Parimoo Ratan	Awarded Jawaharlal Nehru Fellowship for the Project "Jataka Stories in Buddhist Art in India & Asia". For a period of two years Feb. 1991 to Jan. 1993.
Department of Applied Arts.	
Rabadia Jayanti	(i) Awarded National (Junior) Fellowship for Outstanding Artists from April 1990 to March 1992. (ii) Presented a Award by Banyan City Junior Chamber, Baroda for outstanding young person in the field of Painting in Nov. 1990.

VII. Distinguished Visitors

Sr. No.	Name	Designation	Dates(s) of Visit
	Department of Painting		
1.	Furness A. E.	British Deputy High Commissioner.	7th March 1991.
2.	Vasey Marina U.K.	Delivered Lecture on "Anything Goes, Everything Happens at Once".	23rd. Feb. 1991
3.	Mather Carolyn	British Artist. Three Lectures on Contemporary Art.	21st to 25th Jan. 1991
4.	Malani Nalini Artist from Bombay.	Lecture. Demonstration on Drawing	11th to 15th March, 1991
5.	Hammond Anna	Scholar-artist from Chicago on Mural Design	First Term 1991.
6.	Anderson Michel Thomas Wendy & Camfield Glen U.K.	Conducted Community Art workshop	10th Sept. to 10th Oct. 1991.
	Department of Sculpture		
7.	Daroz P.	Freelance Studio Potter	18th Dec. to Jan. 18th 1991
	Department of Graphic Arts		
8.	Mara Tim	Head, Dept. of Printmaking Royal College of Art, London	March 1991
	Department of Museology		
9.	Deshpande M.N.	Ex-Director General Archaeological Survey of India, New Delhi.	2.5.1990
10.	Chowdhary R.D.	Director of Museums Assam State	1.8.1990
11.	Saran Pram	Secretary Assam Govt.	1.8.1990
12.	Alexander Philon	Ambassador of Greece	7.12.1990
13.	Gandhi Menaka S.	Minister for Environment Govt. of India New Delhi.	22.12.1990

14.	Shah Hasmukh	Chairman, I.P.C.L. Baroda.	7.1.1991
15.	Singh Swrup	Governor of Gujarat	16.3.1991
	Department of Art History & Aesthetics		
16.	Dhaky M.A.	Associate Director, American Institute of Indian Studies Varanasi.	27.12.1990
17.	Chandralekha	Eminent Dancer, & Choreographer, Madras	4.1.1991 Under DSA
18.	Vatsyayana Kapila	Director Indira Gandhi Center for the Arts, Delhi.	3rd to 5th Jan. 1991 Under Tagore Chair in Humanities.
19.	Harle J.C.	Professor Emeritus University of Oxford, England	10th to 20th Nov. 1990. (The Post-Gupta Period in Indian Temple & Architecture & The Indian Terracottas from Ancient Memphis.

VIII. Any Programme of the Faculty for the benefit of the Community/Extension Work.

Department of Painting

Community Arts Workshop conducted by Mr. Michal Anderson, Ms. Wendy Thomes & Mr. Glen Camfield. from 10th Sept. to 10th Oct. 1990.

Department of Sculpture

An exhibition of Photographs, film show and lecture about the work of welknown French Sculptor August Rodin was arranged on his 150eth birth anniversary.

Exhibition of slide show and photographs of sculptures of Shri. G.C. Bhatt was arranged on 22nd Oct. 1990.

Department of Museology

All India Museums Week was celebrated from 7th to 12th January 1991 with a view to bring awareness among the people, with regard to the potentials of museum. The Programme includes lectures demonstrations exhibitions slid show and cultural programmes. All the Programmes were attended by the University community and people from the city.

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

Department of Painting

An exhibitions of Chinese Paintings by Visiting Chinese Artist Wei Ming from 24th to 28th Jan. 1991 in Faculty Exhibition Hall.

Paintings Exhibition by Gyarsilal Verma, Lecturer in Mural Design. Retrospective Exhibition before his retirement in Faculty Exhibition Hall.

Department of Graphic Arts

The Department of Graphics Arts organized an Exhibition of Prints at Cymroza Art Gallery Bombay in Dec. 1990. Distinguished Artists like Bhupen Khakkar, Jeram Patel, Shamshad Hussain, Gulam Sheikh, participated in the Portfolio of Prints alongwith staff and students of the dept. The editions of various techniques like Silkscreen, Lithography, Etching, Woodcuts, were done entirely with the help of students of the dept. This interaction proved fruitful for the students. A catalogue was printed for this show. The reviews in the papers were very good and encouraging.

Department of Applied Arts

Rabadia Jayanti	Conducted study Tour of the Dept. to Mount Abu, Jodhpur, Jesalmer, Patan & Modhera.
	Computer Training Programme and demonstration was arranged in the 1st Term of 1990-91 for the benefits & knowledge of computer and its usage in graphic designing field.

13

Faculty of Home Science

I. *Course of Studies*

Clothing & Textiles

CT 348 E – Textiles & Laundry Science

3 Credits – offered to, Education & Extension Major – IInd year students

Education & Extension

P. G. Diploma in Extension

1. EE 450 Elementary Research Methods
2. EE 451 Teaching Materials in Extension
3. EE 453 Methods in Extension Education
4. EE 454 Programme Planning
5. EE 456 Extension Education

1. EE 452 Communication in Education
2. EE 458 Special Programmes in Extension
3. EE 457 Evaluation & Supervision
4. EE 455 Field work in Extension

M. Phil.

1. Methodology of educational research — 4 Credits
2. Management of Home Science institutions — 2 Credits

Any one course from the courses prescribed under following three areas totalling to — 9 Credits

15 Credits

Area (A) Higher Education in Home Science

(i) EE 751 Curriculum Theories and criticism — 3 Credits

(ii) EE 752 Problems of measurement and evaluation — 3 Credits

(iii) EE 753 Methods of teaching Home Science — 3 Credits

(iv) EE 754 Teacher Education in Home Science — 3 Credits

Area (B) Extension Education and Services in Home Science

(i) EE 851 Administration of Extension and non formal education centres — 3 Credits

(ii)	EE 852	Vocational guidance and counselling services in Home Science	3 Credits
(iii)	EE 853	Adult and continuing education	3 Credits
(iv)	EE 854	Community development and rural change	3 Credits

Area (C) Home Science Communication

(i)	EE 951	Educational Technology and its uses	3 Credits
(ii)	EE 952	Communication and diffusion	3 Credits
(iii)	EE 953	Script writing for radio and Television	3 Credits
(iv)	EE 954	Professional and popular writing in Home Science	3 Credits
(v)	EE 955	Publicity and public relation in Home Science	3 Credits

Foods & Nutrition

Courses for M. Phil. Programme

FN 660 Biostatistics

FN 661 Nutritional Biochemistry

FN 662 Selected Topics in Food Science/Food Technology

FN 663 Newer Trendes in Diet Therapy

FN 664 Advances in Human Nutrition / Nutritional Assessment

FN 665 Research Project Management and Dissertation.

Home Management

M.Sc. Programme revised and two areas of specialization viz.

(i) Family Economic and Management

(ii) Housing Interiors and Equipment

The programme has been implemented from June 1990

II. Published Articles/papers

Sr. No.	Name/s of Person(s)	Title	Name of the Journal where in published and date of publication
	Clothing and Textiles		
1.	B. Balakrishnaiah Gulati S.	Safer Clothing for Children-Focus on Garment Design as a means of reducing frame propagation	New Cloth Market Vol.-5 No.3 March 1991 Pp. 13 -16

2. B. Balakrishnaiah	Thermal stability of chemically modified and resin finished wool on its strength retention and growth recovery characteristics.	Colourage Vol. XXXVII, No. 19, Nov. 1990 Pp. 55-59

Education and Extension

1. Chandra A.	(i) Technology Mission for water supply	Social welfare No. 1990, No. 8 pp. 15-17
	(ii) Effectiveness of Demonstrations and workshops in non-formal Education, Centre PRAGATI at Baroda during 1984-85	Journal of the M.S. University of Baroda (Social Vol. XXX-XXXVI, No. 2 (1986-87) 1991, pp. 43-48
2. Chandra A. Shah A.	A study of Effect of Video tapes in Teaching Family Life curriculum to Urban and Rural Girls	Journal of Education & Paychology Vo. XXXXVII. No. 3 -4, Oct, 89 & Jan. 90 pp. 110 -114 (appered in 1991).
3. Shah A. Joshi U.	(i) An Experiment with Multi Media strategies in Higher Education	The Educational Review, Vol. X Cvi Oct. 90, No. 10 pp 167-179.
	(ii) How well Home Science Teachers in Gujarat are trained to do Evaluation?	The Journal of the Gujarat Research Siciety, Vol 5 Jan-June 1990 pp. 52-53
4. Shah A. Ojha S.	Can Creation of Legal Awareness among women be an Educational Issue ?	Monograph on "Women & Law" 1990 pp. 31-35 HSEEAA
5. Shah A. Taneja S.	What do Males and Females of Delhi, think about Female Foeticide ?	Vikasini Oct/ Dec. 1990. vol 5, No. 10 pp. 8-18
6. Joshi U. Talati N.	A comparative study of Vocational interest of third year Home Science students of Faculty of Home Science & S.M. Patel College of Home Science, Vallabh Vidyanagar in relation to the selected variables.	Journal of the Gujarat Research Society V.52-53, Jan. Jun 1990, No. 161-162 pp. 10-14
7. Parlikar K.	(i) An experiment in skill development among Rural girls of Sonarkui village of Baroda district	Journal of Home Science Vol.-20, June 1990 pp. 21-23

	(ii) A study of games as reinforcers in Nutrition Education	Journal of M.S. University Social Science issue Vol-35-36 No. 2 (86-87) pp. 141-144
	(iii) Women in Migration-A survival strategy	"CAPTURING COMPLIEXITIES" SAGE Publishers, New Delhi 1991 pp. 1-5.

Foods And Nutrition

1. Gopaldas T.	Technologies to improve weaning foods in developing countries	Editorial Indian Pediatrics, Feb. 1991.
2. Anderson M. Gopaldas T. Abbi R. & Gujaral S.	Agreement between arem circumference, weight for age and weight for hight measures of malnutrition in children	Indian Pediatrics, 27: 247-254, 1990.
3. Gopaldas T., Christian P., Abbi R. A, & Gujral S.	Does Growth Monitoring work as it ought to in countries of Low Literacy?	J. Trop Pediatrics, 36: 322-372 (1990)
4. Kanani S. J & Consul P.	Nutrition knowledge profile and intervention strategies for underprivil eged adolescent girls in India -A Selected	Indian Journal of Maternal and Child Health Vol. 1(4) : Oct-Dec.1990. 129-133
5. Pant I. & Chotia K.	Maternal knowledge regarding breast feeding and weaning practices.	Ind J Pediatrics 57 : 395-400 1990

Home Management

1. Srinivasan K. & Singal S.	(i) The Multiple Role Farm Women	Indian Farming, 2 4, July 1990 pp. 19-21
	(ii) Conceptural Framing to study Rural Women's Work patterns and Economic Contribution to Family Resource Develoment.	Journal of Consumer Studies and Home Economics, 14, 1990 pp. 341-346
2. Sharma A. & Gandotra V.	Water Storage Management Practices and Assessment of Quality of of Water	Harana Farming, Vol. XIX No. 4 April 1990.
3. George R.	Observations Related to Household Level Researches on Energy (Fuel) Resource Consumption	Workshop proceedings, Decentralised Rural Energy Planning and Implementation Nagpur 1990, 90-102,

4.	George R. & Vingle V.	Responses of Rural Women Towards A Selected Model of Improved chulha	SESI Journal 4:2 1990, 107-116.
5.	George R. Nadvi S. & Patel K.	Fuel Conservation Potential and Acceptability of A Selected Model of Improved chulha Case study	Renwable Energy and Environment, eds. Mathur, A.N. & Rathore,N.S., Proceedings of National Solar Energy Convention, 1-3, December 1989 at Udaipur, Himanshu Udaipur, 1990, 233-238.

Human Development & Family Studies

1.	Saraswathi T.S. & Sharma P.	Personality characteristics of component children: Sex and Social class comparisons.	In U. Bevli (Ed.) Reseaches in child Development. A Book of reading. New Delhi NCERT. 1990
2.	Saraswathi T.S. & Sridharan A.	Time use by college youth : A methodological study	Perspectives in Education, 1991, 7 (1), 41-54
3.	Pathak Y.	The role of home scientists in helping women develop their potentialities.	"The Role of Women in the Development of Science and technology in the third world. London : World Scientific 1991. A. M. Farugui, M.H. A. Sassan & G. Sandri (Eds.)
4.	Pathak Y. & Dave A.	Involvement of parents in the nursery school program: Report of a research project.	Resources in Education, (ERIC, June, 1990)
5.	Lohani I. and Mohite P.	Link between selected family demographic factors, home environment and academic performance.	Perspectives in Education, 1990 6(2) 119-124.
6.	Joshi A., Mohite P. & Verma A.	Early childhood education in India: The research Scene	Perspectives in Education, 1991, 7 (1) 3-13

III. Departmental Publications /Monographs/Reports

Name(s) of Author(s)	Title of book/monograph/ monographed report	Name of publisher and date of publication
Education & Extension		
1. Shah A. & Ojha S. (Eds)	Women & Law	Home Science Education and Extension Alumni Association 1990-91 pp-3
Mimeographed/Computerized		
1. Shah A. & Joshi U.	Puppetry & Education	Dept of Home Science Education & Extension, 1990.
2. Parlikar K.	Report of Workshop on "Training and Development of Women for participation in TRYSEM Programme.	Dept. of Home Science Edu- & Extension 1991.
Foods and Nutrition		
1. Seshadri S.	Evaluation of the child to child project in three rural settings of Gujarat and Rajasthan.	Dept. of Foods & Nutrition
Gopaldas T., Chakravorty B.K., Deshpande S., Syed N., Tuteja S., & Dhabhai D.	The ARF story of Compendium of Research on Amylase- Rich Food (1980-90)	Dept. of Foods & Nutrition. Publication
Home Management		
1. George R. & Vingle V.	Response of Rural Women Towards a Selected Model of Improved Chulha Renewable Energy and Environment	Himanshu Publication, Udaipur, 1990 pp. 223-233.
2. George R.	Solar Cookery Book	Gujarat Energy Development Agency-1990
3. Srinivasan K.	Census Survey and Analysis of five villages of Padra Taluka & Eight SUms of Baroda city.	Mimeographed Report funded by Ford Foundation P. 91

Human Development & Family Studies

1.	Saraswathi T.S. Shah Varsha & Sikha Anjoo	Human Development, early childhood education, family and child welfare: compendium of Researches 1981-1986	Dept. of HDFS, Baroda 1990
2.	Mistry V., Kaul S. and Dhar H.	Indepth study of non-formal preschool education component in Baroda urban ICDS block.	Dept. of HDFS, Baroda 1990
3.	Pathak Y., Pathik M.S.	An experiment in working with a rural community: Emerging role of the child development worker (Monograph)	M. S. University of Baroda 1991
4.	Mohite P.	Annotated bibliography on early childhood education and development (Mimeo.)	ICSSR, 1990
5.	Krishna N. & Saraswathi T.S.	Report of the IDRC (HDFS) research Network Workshop 2.	Dept. of HDFS, Baroda Aug. 1990.
6.	Kaur Baljit, Krishna N. & Saraswathi T.S.	New directions in Child Development Research, policy and program Inter-faces.	Dept. of HDFS, Baroda March 1991
7.	Mallya Indira p	Towards a viable child life programme in a hospital setting, Baroda, Gujarat. (Mimeo)	Dept. of HDFS, Baroda 1990 91.
8.	Seshadri S. & Mallya I.	Evaluation of the child-to child pro-gramme in three rural settings of Gujarat & Rajasthan (Mimeo).	Dept. of HDFS, Baroda 1990
9.	Sriram Rajalakshmi	Parent Education for material and child health :Development of a program model, (Mineo.)	Dept. of HDFC, Baroda 1990
10.	Department of Human Develop-ment and family studies staff	Fieldwork Mannual Guideliness for Department Student fieldwork programs (Mimeo.)	Dept. of HDFS, Baroda 1990 Dept. of HDFS, Baroda 1990

Bhagia D.	(a) રોચક બાળવાર્તાઓ Stories for children in Gujarati	Author 1991
	(b) જાણિતા બાળ ગીતો Songs for children in Gujarati	Author1991

VI. Paper Presented at Professional Level Seminars/Conferences, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Clothing & Textile		
1.	Balakrishnaian B.	Seminar Jointly organised by BTRA Colourage, Century Bhawan-Bombay. on 22nd sept. 1990.	Speciality Chemicals for Textiles.
2.	Phadke S.M.	National Seminar, Organised by UGC on 18th & 19th Dec. Faculty of Home Management, Faculty of Home Science M.S. University of Baroda	Consumers Business & Government.
3.	Karolia Anjali	(i) Vth All India Meeting of woemn in Science, (ii) UGC Seminar on Better quality of life held on 18th & 19th Dec. 90 Faculty of Home Science M.S.University.	The effect of Detergents on Environmental pollution. Standardlization of soaps & Synthol Detergents for Consumer well sting.
4.	Patel B. Chauhan V.	Presented a paper at UGC National Seminar held of 18th & 19th Dec.90	Significance of quality control in textile Testing.
	Education & Extension		
1.	Paralikar Kalpana	(i) Seminar on "Migration' at the Advance Centre of Sociology, National University at Signapore from 7-8-Feb. 1991.	"Women in Migration Theoritical, Moral Practical and legal issues concerning plans and policies for their development"
		(ii) Symposium "Psycho-Social Intervention of women development" at P.G. Department of Psychology S.P. University V.V. Nagar on 16th September 1990.	"Socio-Psycho interventions for woemn in Rural development"

		(iii) Workshop 'Women & Agriculture" at National Institute of Rural Development 28-31 oct. 1990 Hyderabad	"Review of role & Status of farm women in Agriculture & developing appropriate strategies for their development".
		(iv) Seminar of Indian women scientists Association 1-2 Nov. 1990 at Nagpur	"Appropriate Science & Technology for rural women"
		(v) Workshop on "Women in Agriculture sponsored by Directorate of extension GOI at New Delhi March 91.	"Appropriate technologies for farm women.
		(vi) Seminar on 'Science and Technology for rurla women with special reference to women from Himalayan Region at srinagar, Bahuguna University May 1990.	'Self Employnment & wage Earning through use of Science
		(vii) Workshop Sponsored by ICSSR at R.M.Patel College Anand on women's Develcpment thro' organizational activities 23th & 24th March 1991.	"Role of Mahila Mandals in development of Rural women'
		(viii) UGC sponsored two days workship on 'Gender issues & equality status of women at Bhavnagar University on 7-8th Dec. 1990.	"Status of Rural women in IRDP in Baroda district"
2.	Joshi U.	(i) U.G.C. Seminar on "Consumerism for better quality of life' Home Management dept. of Faculty of Home Science. Dec. 18-19, 1990	Consumer education Role of Home Scientists.
		(ii) U.G.C. Seminar on "Role of Mass Media in longitudinal educational programmes". by SNDT Uni. Bombay 3rd -5th Jan. 91.	Media development and effectiveness An experiment.
3.	Patil A.	National Seminar or Developmental communication for sustaining Democracy held at ICSSR Bombay Organized by NCDCBHU and CAMERABombay on 3-5 May 1990.	Social change and Media Technology.

4.	Pande M.	"Seminar on student Services' organised by the madurai kamaraj University as a part of celeberating youth silver jubilee 15th to 19th Dec. 1990.	Moral/value Education to students.
5.	Pandya M.	"TRYSEM" Project workshop Training and Development of women for participation in Trysem Project, 1990. Faculty of Home Science	An experiment in income generation and self employment with rural women and school girls at workshop 1990.

Foods & Nutrition

1.	Chakraborty B.K. Mehta P. Mushini R. Kausar P. & Sharma M.	Symposium on Convenience Foods. Jan 17-19 1991. Defense Research Laboratory Mysore, India.	Development of quick cooking dhal powders from selected legumes.
2.	Pant I. Shah N. Chakraborty B.K. and Patel M.P.	Symposium on Convenience Foods. Jan 17-19 1991. Defense Research Laboratory Mysore, India.	Rapid nondestructive moisture estimation in foods with a digital mositure computer.
3.	Chakraborty B.K.	National/International workshop on Amylase Rich Food (ARF) technology for reduction of Dietary Bulk of Young Child Foods. 12-13th Oct. 1990.	Viscosity reduction of infant foods by amy-lase activity Technological Considera tions.
4.	Deshpande S., Syed R. Nisar & Gopaldas T.	XXVIIth National Conference of Indian Academy of Pediatrics, Bangalore Chapter, Bangalore, May 31 June 3, 1990.	A technology to Improve the Viscosity, Texture & Energy Density of Commercial Wean ing Foods.
5.	Gopaldas T. Christian P. Abbi R. and Gujral S.	XXVII National Conference of Indian Academy of Pediatrics Bangolere chapter Banglore May 31, June 3, 1990	Does growth monitoring work as it ought to be in countries of Low LIteracy.
6.	Gujral S. Abbi R. Christian P. and Gopaldas T.	XXVII National Conference of Indian Academy of Pediatrics Bangolere chapter Banglore May 31, June 3, 1990	Prevalence of zerophthalmia and Efflcacy of vitamin A Prophylaxis in preventing xerophthalmia coexisting with Malnutrition in Rural Children.

7.	Gujral S. Abbi R. Rajni M. & Gopaldas T.	XXIIIrd Annual Meeting of Nutrition Society of India. Nutrition Society of India Hyderabad. Dec. 1-3 1990	Determinants of Aanganwadi worker's performance.
8.	Deshpande S. & Gopaldas T.	XXIIIrd Annual Meeting of Nutrition Society of India. Nutrition Society of India Hyderabad. Dec. 1-3 1990	Elaboration of alpha-amy lase from cereels/millets during germination.
9.	Seshadri S.	National Symposium cum works shops on child Nutrition the Indian Seene Division of Gastro enterology and Nutrition and Department of pediatrics, KTMG Hospital & ITMM college, Bomnay 7th and 8th Sep. 1990	Prevalence and implications of nutritional anaemia in child ren.
10.	Iyer U. Mani I. and Mani U.V.	Annual Meeting of Nutrition Society of India, Hyderabad Dec. 1-3 . 90.	Serum biochemical changes in IDDM and NIDDM patients
11.	Singh R.B. Rastogi S.S. Mani U.V. Seth J.	46th Annual Conference of Association of Physicians of of India Jan. 21-23,1991	Does increased intake of minerals modulate blood lipids ?
12.	Pant I. and Gopaldas T.	XXVIIth National conference of the Indian Academy of Pediatrics, May 31-June 3, 1990 Bangalore	Prevalence of Vitamin A deficiency in underpriviledged school children (5-15 yrs) of Baroda.
13.	Pant I and Gopaldas T.	XXIIIth Annual Meeting of the Nutrition Society of India Dec. 1-3-1990, Hyderabad.	Association between vitamin A deficiency and hemoglobin levels in underprivileged school boys 7-15 yrs.
14.	Pant I, shah N. Chakraborty B.K. and Patel M.R.	Symposium on Convenience foods organised by DRDO, Mysore 17-19 Jan 1991.	Rapid, non-destructive Mois-ture estimation in foods with a digital moisture computer.
15.	Kanani S.	(i) International Conference on Rapid Assesment Metholologes for plan-ning and Evaluation of Health Related programs, pan American Health Organizationn Washington, D.C. Nov. 12-15 1990.	Application of Rapid Asses-ment procedures in the con-text of women's Morbidity Experiences of a non-government organisation in India.

		(ii) Annual Meeting of Nurtition Society of India. Hyderabad, Dec. 1-3, 1990	Application of Rapid Ethnographic Assessment to under tand Women's Health and Nutritional Disorders in urban Slums with a focus on anemia. (Paper won young Scientist Senior Award in Community Nutrition.)
16.	Mani U.V.	Indo-USA Symposium & workshop on Endo Metabolism & Diabetics All India Institute of Medical Science, New Delhi Dec. 25-31, 1991	Patho biochemistry of Dibetes Mellitus.

Home Management

1.	Srinivasan K.	U.G.C. Sponsored National Seminar "Consumerism for Better Quality of Life" Org. by Home Management Dept. Faculty of Home Science M.S.U. Baroda 18-19 Dec. 1990	Consumerism for Better quality of Life.
2.	Gandotra V.	(i) International Interdisciplinary congress on women held at New York from June 3rd -7th 1990	Assessment of (1) Quality of Micro environemtn in Household Kitchens (ii) Changing Attitudes Towards Employment of of women.
		(ii) International Conference on mental Retardation Held at Honkong March 28-2nd April 1991	Coping strategies of mentally Retarded children (Paper Accepted for poster presen tation)
3.	Mahajani V.	U.G.C. Sponsored National Seminar "Consumerism for Better quality of life" 18-19 Dec. 1990.	A Study of Consumer Buying Practices and Awarness Regarding quality Assurance marks.
4.	Jaiswal N. Kundley S.	U.G.C. Sponsored National Seminar "Consumerism for Better quality of life" 18-19 Dec. 1990.	An Awarness study on public and private Aids Protecting Consumers.
5.	George Rachel	(i) Annual Meet of Technical Backup Units, Regional offices and Monitoring cells	Specific Issues Related to Implementation of NPIC.

	under National programmes of Improved chulha (NPIC) Department of Non-Conventional Energy sources, Ministry of Energy, Government of India New Delhi 28, May 1990.	
(ii)	National Conference of Technical Backup Units under NPIC, IIT New Delhi 28 May, 1990	Report of the Activities undertaken by TBS Unit, Baroda.
(iii)	Unification of Models of Improved chulha under NPIC, Karnataka state science and Technology for Rural Development, Bangalore, 11-12 July, 1990.	Performance of Convertible single/Double pot Improved Cookstoves designed by TBS Unit, Baroda.
(iv)	Western Regional conference on physical and Financial progress of NPTC, Gandhinagar, Gujarat state 8, Aug. 1990	Need for following up and User Education for Adoption of Improved chulhas in Daily cooking by beneficiaries.
(v)	Review Meeting of NPIC in Gujarat state, Gajdhinagar, Gujarat state, 8-9 Aug. 1990	Observation on NPIC Implemented through panchayat and Rural Housing Development Department of Government of Gujarat during 1989-91.
(vi)	Unification of Models of Improved chulha under NPIC, College of Agriculture Engg and Technology Sukhadia University , Udaipur, 7-9 May 1990.	Design Specifications vis-a Vis user cooking Habits in Households
(vii)	Meeting of Technical Advisory committee to DNES, Ministry of Energy Government of India on NPIC, IIT, New Delhi 29, Nov. 1990	Need for Assessing Impact of NPIC on Health of Its Users and Environment.
(viii)	Energy Management, Gramya Research Analysis Institure, Baroda 8-9, December, 1990.	Domestic sector: A potential Agent for Energy Conservation

Human Development & Family Studies

1.	Mistry V.	Symposium on "New Directions in Human Development and Family Studies Research, Policy and program Inter faces" Dept. of HDFS Baroda 8-10, Nov. 1990	Early childhood edcation with Specific reference to gender issues.
2.	Saraswathi T.S.	Seminar on "Deprivational environment and psychological services" Dept. of psychology , Gorakhpur University Gorakhpur, 5-7 Apr. 1990.	Towards an integrated program of pre-school interventions Two decades of research and fieldwork.
3.	Mohite P.	(a) Seminar on "Intergration of preprimary and primary education' OMEP India, and SNDT, Pune 13th Nov. 1990.	Intergration of preprimary and primary education.
		(b) Symposium on "New Directions in Human Development and Family Studies Research, policy and program Interfaces" Dept. of HDFS, 8-10 Nov. 1990.	Early childhood education with focus on substantive and methodological issues.
4.	Pathak Y.	Indian Science Congress Association, Committee on Home Sciences, Indore, January 3-8 1991.	1. Importance of Home Science Education in National Development. 2. Women and Science.
5.	Mallya I.M.	National Workship on"Approaches to Health education, training and nutrition awarness" CHETNA, New Delhi, 24-26 April 1990.	Monitoring and evaluation in health education programs for/by children
6.	Kaur B.	(i) National Seminar on Researches in child and adolescent psychology, Dept. of Education Psychology, counselling and Guidance, NCERT New Delhi 19-21st sept. 1990.	Concept of ability in Indian children. A Developmental Study.
		(ii) National Symposium on "New Directions in Human Development and family studies research"	Special education in India with special focus on learning dieabilities.

	policy and program Interfaces" Dept. of HDFS, 8-10 Nov. Baroda, 1990.	
7. Dave P.	(i) Workshop of "Developing Post Graduate Social Work Curriculam on Family" Tata Institute of Social Sciences April 15-17, 1991	Education in inlaws relationships.
	(ii) Fifth National Conference of Indian Association for Womens Studies on "Religion Cultured Politics" Jadavpur University Calcutta Feb., 9-12, 1991	Self athers Perception of tribal aging women of Gujarat with reference to health economic status & familiar role relationships.
8. Sriram R.	National Symposium on "New Directions Human Development and Family studies Research, policy, and program Interfaces" Dept. of HDFS, Baroda 8-10 Nov. 1990.	Family studies in the Indian context critical appraisal and new directions
9. Kapadia S.	National Symposium on "New Directions in Human Development and Family studies Research policy and program Interfaces", Dept of HDFS, Baroda Nov. 8-10 1990.	Women's studies as a cross fertiliser for Human Development and Family studies.
10. Mankodi H. & Bhagia D.	International Seminar on "Play and education" International association for child's right to play, Tokyo 3-6 June 1990.	Involvement of Kindergarten children in play experiences.
11. Verma A.	(i) World council & Seminar organised by OMEP at Nigeria 7th -15 Aug. 1990	'The Survival & Development of Girl child in India.'
	(ii) Seminar on "Age at Marriage" organised by the Dept. of Adult Continuing Education of M.S. University of Baroda 28th Feb 91.	'Age at Marrige'
12. Mehta B.	5th National Conference on women's studies organised by Indian Association for women's studies at the Jadhavpur University , Calcutta 9-12 Feb. 1991.	'Family Laws Vis-a-Vis women'

V. Talks Of Academic Nature Given At Different Univeristies/ Professional Institutions

Name of person	University/Institution and Date	Title of Lecture
Education& Extension		
1. Shah A.	Workshop on Training and Development ofWomen for participation of TRYSEM 22nd Dec. 1990. Baroda	Women and Self Employ-ment.
2. Parlikar K.	Presidential Address at Railway Institute onthe eve of International Women's Day, Baorda 24.11.90	"Issues Concering women in employment & Ways to overcome them"
3. Pandya M.	Intitutional Training program Krushi Vigyan Kendra Devataj sojitra, Feb., 1991	Use of Different Types of fuel in domestic use & its conservation
Foods & Nutrition		
1. Gopaldas T.	(i) University of Southern Illinois, Norman, USA; Dept of Women in Development 26th Oct., 1990	(i) Evaluation of India's ICDS Program.
	(ii) University of illinois - urbana, USADept. of Foods & Nutrition, 29th Oct. 1990.	(ii) Vitamin A deficiency & morbidity in the school age population.
	(iii) University of illinois - urbana, USA Dept. of Foods & Nutrition 31st October 1990.	(iii) India,s strategies to combat undernutrition in (1990-1995).
	(iv) University of illinois - urbana, USA; Centre for Women's Studies. 4th November, 1990	(iv) Indian Women's Exper ience in Science Education and Research.
	(v) University of illinois - urbana, USA; Dept. of Health Studies 7th Nov.1990.	(v) Recent Deveopment in Fermentation, Germination and Malting.
	(vi) Department of Health Studies 7th Nov. 1990	(vi) India's Strategies to com-bat undernutrition in the 1990.
	(vii)World Bank, Washington DC, USA Luncheon seminar on Amylase Rich Food (11th Nov., 1990)	The ARF story Transfer of Technology from lab to Slums.

		(viii) Nutribusiness Round Table of USAID Washington DC, USA, 12th-13th Nov. 1990.	The ARF Story Transfer of Technology from lab to slums
		(ix) For Major Private Voluntary organistion in DC, USA organised by Care 15th Nov. 1990.	India's Strategies to combat Udernutrition in 1990's.
		(x) University of Pensylvania, USA, State College University Discussion on collaborative Research with staff of Dept. Human Nutrition 16th Nov. 1990.	The ARF story: Transfer of Technology from lab to slums.
		(xi) University of Illinis School of Medicene Chicago (i) School of Public Health 20 th Nov. 1990	1. Indi's strategies to combat Under nutrition in the 1990 Vitamin A Deficiency and morbidity in school age population
		(xii) Department of Medical Dietetics 21st Nov. 1990	2. The ARF story Transfer of Technology from lab to Slums
2.	Kanani S.	Gujarat Refinery Retiring Officers Forum Dec. 1990	Sound Dietary Practices and Health care for senior citizens (60 years).
3.	Baksi M.	(i) Anand Balwadi Navrachana School 22nd Feb. 1991	Nutrition for Growth and Development for 3-6 years old children.
		(ii) Asea Brown & Boveri 26 th March 1991	Nutrition and Anemia in women.
	Human Development & Family Studies		
1.	Mistry V.	Dept. of Human Development College of Home Science Coimbatore, Nov. 1, 1990.	"Early Childhood Perspective with special reference to the girl child'
2.	Sriram R.	Department of Continuing and Adult Education, M.S. University Baroda	"Nutrition during child growth and development"
3.	Pathak Y.	(i) Sarjan K. G. School IPCL Baroda Dec. 8, 1990	Expectation from children
		(ii) "Bbulka Bhavan' Baroda Dec. 23, 1990	T.V. and its impact on children

		(iii) Lecture at Dept. of Home Science Education and Extension, Faculty of Home Science, M.S. University Baroda (TRYSEM Project) Dec. 23, 1990	Institutetional Management of Children
4.	Kapadia S.	IWSA, Faculty of Home Science, M.S.U. Baroda March 27, 1991	Self esteem of women
5.	Kaur B.	Department of Educational Psychology, Counselling and Guidance NCERT, New Delhi, Sept. 18, 1990	Learning difficulties and learning disabilities.

VI. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated.
	Clothing & Textiles		
1.	Chauhan V.	Attended workshop on Projected Aids, Sponsered by U.G.C. at Education & Extension Dept. Faculty of Home Sc. Baroda on 26 th-27th & 28th Feb. 1991.	Participant
2.	Patel S. Karolia A. Chauhan V. Patel B.	Attended a Seminar Organized by Education Extension Alumni Asso. at Surya palace, Women and Unconventional Careers Baroda on 2nd Feb. 1991.	Participants
3.	Phadke S.	Workshop on 'Training and development of Women for Participation in TRYSEM for Rural Youth (girls).	Resource Person
	Education & Extension		
1.	Chandra A.	National Seminar at NCERT, New Delhi, on Initiating Preservice Trainng of Vocational Teachers at +2 level August 28-30 1990	Leader of Home Science Group
2.	Chandra A. Shah A.	Seminar on women and Unconven tional careers Baroda 2.2.91	Chief Coordinators
3.	Ojha S.	Seminar on women and Unconven tional careers Baroda 2.2.91	Programme coordinator

4.	Parlikar K. Joshi U. Patil A. Pande M. Pandya M.	Seminar on women and Unconven tional careers Baroda 2.2.91	Particpants
5.	Shah A.	Brain Storming Session women's Issues 25-26 April 1990 Baroda	Participant
6.	Shah A. Joshi U. Ojha S.	Workshop on "Projected Aids for Home Science college Teacher in Gujarat 25-28 Feb. 1991 Baroda	Director Co-director
7.	Shah A. Chandra A.	Symoposium on "Age Marriage girl child 28.2.91 Baroda	Participants
8.	Parlikar K.	Workshop on Training and Development of women for participation in TRYSEM Program, Baroda 22nd -23rd Dec. 1990	Organiser
9.	Patil A. Ojha S.	Workshop on Training and Development of women for participation in Trysem Programme 22,23 Dec. 1990 Baroda.	Participants

Foods & Nutrition

1.	Chakraborty B.K.	(i) Symposium on Convenience Foods Jan. 17-19, 91 (ii) National/ International workshop on Amylase Rich Food (ARF) Technology for Reduction in Dietary Bulk of Young child Foods 12-13 Oct. 1990. M.S. University , Baroda.	Presented paper Co-chaired one technical session. Organising Faculty Present-ed paper in a technical session.
2.	Gopaldas T.	(i) National/ International workshop on Amylase Rich Food (ARF) Technology for Reduction in Dietary Bulk of Young child Foods 12-13 Oct. 1990. M.S. University , Baroda.	Director
		(ii) Third Course Writers meeting for "The B.Sc. application oriented course entitled "Nutrition for the	Chief Editor,

		comunity" by indira Gandhi National Open University, New Delhi 30th April 4th May 1990.	
	(iii)	First meeting of Joint Council for Vocational Education New Delhi. 8th August' 90.	Expert
	(iv)	Counsulation of South East Asian Regional Nutrition Research Network Bangkok, 27-29 Aug. '90.	Director of the WHO-SEARO Research Action Network for the Baroda Centre.
	(v)	International Conference on Rapid Assessment Methodologies for planning and evaluation of health related programmes. Washington, DC, USA, 11th -15 th Nov' 90.	Invited Participant.
	(vi)	XXIIIth Annual Meeting of Nutrition Society of India Hyderabad 1-3 rd Dec. ' 90	Panel Judge of Nutrition Society of Indias Young Scientist Awards.
	(vii)	International Symposium on Recent trends in Nutrition, New Delhi 5-7 Dec. '90.	Invited participant and Member of the Scientific Advisory Committee.
3. Seshadri S.	(i)	23rd Annual Conference of the Nutrition Society of India, Hyderabad, 1-3rd Dec. 1990.	Delegate
	(ii)	International Symposium on Recent Advances in Nutrition. Nutrition Foundation of India, New Delhi 5th and 6th, Dec. 1990.	Delegate
4. Tuteja S.	(i)	National/International workshop on the Amylase Rich Food (ARF) Technology for reduction on dietary bulk, 12-13 Oct 1990 Baoda.	Participant and Member of organizing Team
	(ii)	Environment -Rational geals and priorities for action, 22nd -23rd Dec. 1990, Baroda organized by SOCLEEN	Participant
	(iii)	Age at Marrige symposium organized by department of	Participant

		Continuing Adult Education sponsored by UNICEF 25th Feb. 91 Baroda	
5.	Pant I.	(i) International symposium on "Recent Trends in Nutrition" Nutrition Foundation of India New Delhi, 5-6 Dec. 90	Participant
		(ii) Seminar on "Monitoring and Evaluation" NIPCCD New Delhi 14-17 Jan. 91.	Participant
		(iii) National/International Workshop on "Amylase Rich Food (ARF) Technology for reduction of dietary bulk of young child food". Organized by the Infant Food (India) Project F.N.M.S.U. Baroda 12 & 13th Oct. 90.	Participant
6.	Dhabhai D.N.	National/International Workshop on the Amylase Rich Foods (ARF) Technology for reduction of dietary bulk, 12-13 Oct. 1990 Baroda	Participant
7.	Bakshi M.	(i) National/International workshop on the Amylase Rich Foods (ARF) Technology for reduction of dietary bulk, 12-13 Oct. 1990 Baroda	Participant
		(ii) Trysem Workshop By Dept. of Extension & Education, Baroda 22nd 23rd Dec. 90	Participant
	Home Management		
1.	Srinivasan K.	(i) Data Analysis Workshop Bangalore 9th-11th May '90	Director of the project
		(ii) Anthropological workshop O.R.G. Baroda 23rd -24th July 1990	Participant
		(iii) Technical workshop on "Census Survey Analysis of 5 villages and slums of Baroda 26th Oct. 1990.	Organiser

		(iv) Computer software training programme 23rd -25th Jan. 1991 O.R.G. Baroda	Participant
2.	Jaiswal N.	Training and Development of women for participation to Trysem Programme for girsl. Organized by Edu. Dept. and ISTD Baroda 22nd 23rd Dec. 1990	Participant
3.	Gandotra V.	(i) Training and Development of Women for Participantion in Trysem Programme for girls. Org. by Edu. & Ext. Dept. and ISTD Baroda. 22nd 23rd Dec. 90	Resoures Person
		(ii) UGC Seminar "Consumerism for Better quality of life 18-19 Dec., 1990.	Chairperson for a group session
4.	Kundlay S.	Training and Development of Women for participation in Trysem Programme for 22nd 23rd Dec. 90	Participant
5.	Ogale N.	U.G.C. Seminar "Consumerism for Better Quality of Life" 18-19 Dec. 1990	Chairperson for Technical Session
6.	Mahajani V.	(i) U.G.C. Seminar "Consumerism for Better Quality of Life" 18-19 Dec. 1990	Participant
		(ii) U.G.C. Sponsored workshop on projected aids: Org. by Education Extension Dept. Faculty of Home Science Baroda 26-28 Feb. 1991.	Participant
7.	Kundley S.	(i) U.G.C. Sponsored workshop on projected aids: Org. by Education Extension Dept. Faculty of Home Science Baroda 26-28 Feb. 1991.	Participant
		(ii) U.G.C. Sponsored workshop on projected aids: Org. by Education Extension Dept. Faculty of Home Science Baroda 26-28 Feb. 1991.	Participant
8.	George R.	(i) Workshop: On Methodological Issues in, and Tool Preparation	Coordinator

		for Evaluation of working women's Hostels Faculty of Home Science	
	(ii)	National workshop on Management stategies and Polices of Implementation of NPIC Marys 1990-91 IIT, New Delhi 29th May 1990.	Participant
	(iii)	Workshop on Methodology and Tool Finalisation for pretesting under evaluation of working women's Hostels, Stella Maryas College, Madras, 2-4, July 1990.	Coordinator
	(iv)	Workshop on Issues in Date collection under the study on Evaluation of working women's Hostels Stalla Marya College, Madras, 7-8, September, 1990	Coordinator
	(v)	Divisional level Management Training Programme under NPIC, Faculty of Home Science, Baroda 20, September, 1990.	Organiser
	(vi)	Management Training Programme under NPIC for State level officers of Panchayat and Rural Housing Development Dept. of Government Gujarat. Faculty of Home Science, Baroda, 21 September, 1990.	- Strategies and Policies of Implementation of NPIC
	(vii)	National Review Wrokshop of TBS Units under NPIC, IIT Delhi, 30, November-1 December 1990	Participant
	(viii)	Review workshop on Researches funded by Gujarat Energy Development Agency, Eharuch 23, 25, February, 1991	Invited speaker
9.	George R. & Chakrabarty B.	Training and Development of Women for participation in TRYSEM for Rural Girls Faculty of Home Science, M.S.U. Baroda 22-23 , December 1990	Resource person

HumanDevelopment & Family Studies

1.	Verma A.		"Brain storming :Meeting on the Studies in Home Science college Dept. of HDFS, Baroda Apr. 25-26 1990.	Organiser
2.	Mistry V. R.& Kaur B.		IDRC Network Workshop on plan of analysis, Dept. of HDFS, 12-16 Aug. 1990.	Resource Persons
3.	Saraswathi T.S.	(i)	Researches in child and adoloescent Dept. of Education Psychology,Con selling and Guidance, NCERT New Delhi, 19-21st, Sept. 1990.	Resource Person
		(ii)	IDRC Network Workshop on Plan of analysis, Dept. of HDFC, M.S.U. Baroda, 14-16 th Aug. 1990	Organiser Director
		(iii)	National Symposium on "New Directions in Human Develop-ment and Family Studies: Research Policy and Program, Interfaces Dept. of HDFS, 8-11 Nov. 1990.	Organiser Director
4.	Pathak Y.	(i)	Seminar on "Advancing the well being of children and families in India through Community Development and Family Studies studies, University of Illinois at Urbana-Champaign, USA May 11, 1990	Invitee
		(ii)	Seminar on "Environment: Rational goals and Priorities for action SOCLEEN, Baroda, Dec., 21, 1990	Participant
		(iii)	Siminar on "Popularization of Science" Community Science Centre, Baroda, Feb. 22, 1991	Invitee
5.	Pathak Y. & Sriram R.		Seminar on"Age at marriage" Centre for Adult & Continuing Education, M.S. University Baroda Feb. 28, 1991.	Invitee

6.	Mohite P.	Teacher Training Program under PIED (Baroda) UNICEF Project) Baroda Municipal Corporation, Mar. 13 1991	Resource Person
7.	Parekh K.	Integrated approach to Preschool and primary school education SNDT College of Home Science Pune, Nov 1-3. 1990	Invitee
8.	Parekh K. & Mankodi H.	Mathematics and Science experiences for young children Baroda High School Baroda Dec. 1, 1990	Invitees
9.	Dave P.	(i) Discussion on "Research Methodolgy in Women's Study. Women in Development M.S.U. Baroda, 13th April, 1990	Participant
		(ii) Brain storming meeting on Women's Studies in Home Science Curriculum' Women Studies Research Centre Faculty of Home Science. M.S.U. Baroda 25-26th Apr. 1990	Participant
		(iii) Girl Child Family Research Centre for Women's Studies, SNDT Bombay, 18-22 nd June, 1990	Participant
		(iv) SAARC Year for girl child. Commissioner women and child Development and Voluntary Agencies of Gujarat, 14-16th June 1990	Delegate
10.	Sriram R.	Workshop for training child care workers. Mahila Samakhya Society Baroda Dist. Jan. 16 & 18, 1991	Resource Person
11.	Kapadia S.	(i) 'Girl Children and Family" Research Centre for Women's Studies. SNDT, Bombay, 18-22 June 1990.	Participant
		(ii) "IDRC' Network Workshop on plan ofanalysis, Dept. of HDFS, M.S.U. Baroda, 12-16thAug. 1990	Participant

12.	Dave A.	(i)	Workshop for Anganwadi Supervisors on "How to plan maths and science program for young children' ICDS Project, Panelay, Jan. 9 &12 Feb. 1991	Resource Person
		(ii)	Workshop for perprimary and Primary teachers on "Art activities and premaths experiene for young child" Baroda High School Baroda, Feb 9, 1991	Resource Person
13.	Bhagia D.		Workshop on: Children's Stories" Children's Songs" "Language Development in Young children" "Creative Activities" ICDS Project, Panalav, Jan. 12-18, 1991.	Resource person
14.	Chetan Balwadi Staff	(i)	Workshop on: Writing story books for young children with special focus on Bibiio therapy, Dept. of HDFS, MSU, Baroda Oct, 6-8 1990	Participants
		(ii)	"Job responsibilities of child development workers and time management; Dept. of HDFS MSU, Baroda Dec. 22,'90	participants
		(iii)	"Language and Communication Dept. of HDFS, MSU, Baroda Feb. 6, 1991	Participants

VII. Exhibitions, Performances, Demonstrations Etc. At State, National Or International Levels.

Foods & Nutrition

Tuteja S.	Organised First aid Training for 20 F.Y. B.Sc. students students (N.S.S volunteers) with the assistance of preventive and social Medicine Department of Medical College, Baroda.

Home Management

George R.	Demonstration of Improved Cookstoves designed and developed at TBS Unit, Baroda at IIT.

VIII. National / Internatonal Awards And Distinctions.

Name of the Recepient Teacher/Non teacher/student	Discription of Award
Clothing & Textiles	
Kanak D. (M.Sc.)	ICAR Scholarship
Kaur S. (Ph.D.)	Senior fellowship from Assam Agricultural University, Jorhat, Assam.
Foods &Nutrition	
1. Gopaldas T.	(i) Recipient of the Gujarat Inter University Sri Hari Om Award (1989-90) for the best paper in Nutrition (1990)
	(ii) Has been invited by WHO-SEARO to apply for recognition as a collaborating centre as in public Health Nutrition.
	(iii) Chief Organiser of the IDRC funded National/International workshop on Amylase-Rich Foods. Baroda between 13-14 Oct. '90
	(iv) Wrote the Approach paper in Nutrition for the 8th plan period (90-95) at the Invitation of the Planning Commission of India.
	(v) Foods and Nutrition department under her direction has been recognised as one of the 4 best institutions in public Health Nutrition by the WHO SEARO in the S.E. Asian region and is included in the Research Network between India, Thailand and Indonesia.
2. Seshadri S.	Invited as a temporary advisor by WHO to the ACC/SON workshop on iron deficiency control programme held at the Trinity college, Dublin, Ireland and organised jointly by WHO, World Bank and Unicef.
3. Kanani S.	Young Scientist Award in Community Nutrition, given by the Nutrition Society of India (Dec. 1990 NATIONAL
Home Management	
1. George R.	(i) Technical Backup support Unit under National Programme of Improved chulhas of Government of India

(ii) Invited to be listed in Reference Asia: Asia's Who;s Who Men and Women of Achievement.

(iii) Member Review Panel of Department of Science and Technology for Women, Ministry of Science and Technology, Government of India, New Delhi.

(iv) Referee of Sesi Journal on Renewable and non Renewable Energy.

(i) FAO's panel of Experts:- Resource person cum Expert in the sub Regional Consultation Expert on Improved Stove Development Programme in South Asian Countries, invited by Food and Agrculture Organisation of United Nationas.

(ii) Listed in International Associates in Women in Develop-ment University of Illinois, Urbanachampaign U.S.A.

Human Development & Family Studies.

1. The department's UGC /DRS programme was reviewed by an expert committee appointed by UGC. As a result, the Department has been recognised for Departmental Special Assistance (DSA) and has received a grant of Rs. 27.25 lakhs. Dr. T.S. Saraswathihas been appointed as Co-ordiiantor, UGC/DSA programme. The major thrust areas of DSA are Special Education, Establishment of Learning Resource Centre, and Women's Studies.

2. The Department of HDFS has received an award of Rs. 5 lakshs to establish the Nehru Chair in Human Development and Family Studies. The grant has been awarded by a donation from the Director. Pandit Jawharlal Nehru Centenary Celebration Committee, Ahmedabad, Under this scheme the department aims to invite scholars of eminence with the objective of building new programmes, establishing research networks, organishing national and intenational meetings and establishing linkages with University and Government departments.

3. Dr. T.S. Saraswathi and Dr. Baljit Kaur were awarded a one month Residency Fellowship by the Rockefeller Foundation, to edit a book on "New Directions in Human Development and Family Studies: Research Policy and Program Interfaces" from Mar. 3 to Apr. 4, 1991.

4. Dr. Parul Dave has been awared post Doctoral Research Fellowship for Sr. Scientists, by United States Education Foundation in India for the Year 1991-92, for 3 months to conduct research in area of "Self Others perception of agiing women"

IX. Distinguished Visitors

Sr No.	Name	Designation	Date (s) of Visit
Education & Extension			
1.	M.E. Khan	Consultant, Population Concil	5.12.90
2.	Sayad Y.A.	Personal Manager C.A.C.L.	22.12.90
3.	Shah Jayandra	Dy. Manager personal Jyoti Ltd.	22.12.90
4.	Singh Nalini	Video Film Producer	2.2.91
5.	Bedi Kiran	DIG Police Aijwal, Misoram	2.2.91
6.	Asthana Shobha	Dy. Commissioner Baroda Municipal Corporation	2.2.91
7.	Bhosale Surekha	First Lady Engine Driver Western Railway.	2.2.91
8.	Kohli Anupama	Lady Pilot Indian Airlines	2.2.91
9.	Mehta Malti	Programme Producer EMRC Ahmedabad	28.2.91
Foods & Nutrition			
10.	Michael Gurney	Regional Nutrition Advisor, (WHO) Topic: Nutrition in the Region and WHO's role.	3.8.90
11.	Bamji Mahtabm	Director Grade Scientist National Institute of Nutrition-Hyderabad. Topic: Molecular Basis of Mucocutaneous Lesions in Riboflavin and Pyridoxin Deficiency.	15.12.90
12.	Vin P.C.	From 'Vin Flavours' Topic: Flavours in Foodprocessing.	20.2.91
13.	Narasinga Rao B.S.	Former Director National Institure of Nutrition Hyderabad. Topic: a) Double fortifcation of salt with Iron and iodine. b) Current R.D.A. and their applications.	18.3.'91

14.	Achaya K.T.	Professor, Emeritus: Topic: (a) History ofFood (b) Recent Advances in oil technology.	22.3.91

Women Studies & Research Centre

15.	Carol Vlassoff	Women & Health Special Programme for Research and Training in Tropical Diseass, WHO	1.2.91
16.	Bedi Kiran	A IPS Officer Women in unconventional Career	2.2.91
17.	Nissim Rina	An activist from from Middle East. Women & Health inIndia	15.2.91
18.	Khanna Renu	An Activist Wasteland Development & Women an experience	25.2.91
19.	Kohil Devendra	Feminism & Literature	12.3.91

Home Management

20.	Kumar Inder	Senior Scientific Officer Department of Non Conventional Energy Sources, Ministry of Energy, Governemnt of India	21.9.90
21.	Dhussa Anil	Principal Scientific Officer Regional office Department of Non Convertional Energy Sources Ahmedabad.	8.11.90
22.	Dr. Buch	Secretary, Industry and Mines Goverment of India.	19.2.91
23.	Parikh Yogesh	Diretor, Inst. of Rural Technology, Gandhinagar.	19.2.91
24.	Shah K.S.	Deputy Director Gujarat Energy Development Agency, Baroda.	19.2.91

25.	Dr. K.S. Rao	Deputy Director Gujarat Energy Development Agency, Baroda.	19.2.91

Human Development & Family Studies

26.	Kulkarni Sunita	Lecturer S.N.D.T. University Bombay	Oct. 6-8 1990
27.	Parikh Madhvi	Supervisor, Administration and Management Unit, Head State and Management Unit, Head State Resource and Training centre, University of Maryland U.S.A.	Dec. 20-22, 1990
28.	Hilloowala Navaz	Teacher Juhu School, Bombay	6.2.1991
29.	Misra Girishwar	Professor and Head, Dept. of Psychology, Barkatullah University, Bhopal.	23.2.1991
30.	Pradyuman Dave	Free Lance, Artist, Baroda	7.3.1991
31.	Lansdown Richard	WHO Health Consultant, Chief Psychologist & Head, Dept. of Psychological Medicine The Hospital for sick Children, London, U.K.	March 13-15 1991

X. Pogramme of the Faculty for the benefit of the Community/Extension work.

1. The Dept. of Education created many practical facilities such as water connections; improving appreach roads, primary education, plot allotments for social defence etc.

2. The Dept. of Home Management continued to give technical back-up & advice to the Govt. of india. It commenced production on ceramic and pottery lined chullahs.

3. Community benefitted by radio talks PTA meetings, Yoga camps etc. organizedly the Dept. of HDFS.

4. The Dept. of Foods & Nutrition recieved overwhelming demand for the "Amylase-Rich-Food Technology" from pediatricians from all over India.

XI. Activity of academic/social significance organised in/by the Faculty not included under previous previous items.

1. Dr. Saroop Singh Visitor, MSU & Dr. Mrunalini Devi Puar, Chancellor visited the Faculty at the behest of the Governor on 16th March 91. They were apparaised of the achievements of the various departments.

2. The Extension Education Dept. held a seminar on "Women and Unconventional careers" on 2.2.1991. The invited speakers included Ms. Kiran Bedi(Supercop); Ms Nalini Singh (INvestigative Journalist); Ms. Anupama Kohli (Airlines Pilot) Ms. Surekha Bhonsale (Engine Driver; Ms. Indira Bhanot (Academician); and Ms. Shobha Asthana (Administrator).

3. The Home Management Dept. adopted two nearby village for field work.

4. The HDFS Dept. continued its outreach to the Baroda community by:

   - Holding a panel discussion on "Parenting in the Modern World" on its 40th year celebrations on 28th July 1990.
   - T.Y.B.Sc. students were taken on an educational tour between 13-19 Feb. 1991.
   - M.Sc. (Senior) & M.Phil Students were placed for one week with SEWA-Rural, Jhagadia from March 18-23 1991
   - Dr. Veena Mistry evaluated Early Childhood Cell of State Departments of Education in three states commisiioned by UNICEF New Delhi.
   - Mrs. R. Sriram is Academic Councellor IGNU Baroda
   - Women's Studies Research Centre at MSU was initiated with UGC / Grants in July 1990.

XI. Activity in the Faculty involving teaching /research

1. The Dept. of Extension made video films on puppetry, and on self Employment, as a career for women to instruct Home Science students.

2. Better designed cookstoves & Fuel systems were devised by the department of Home Management.

3. IDRC–HDFS network was initiated on 1.1.1990 under the Co-ordinatorship of Dr. T.S. Saraswathi. The following Projects are in progress under the network :

   (i) Child care as a multiple activity of mothers engaged in income generating / support activities.

   (ii) Time utilisation of youth in institution of higher education

(iii) Evaluation of ICDS – Preschool component.

(iv) Learning Disabilities – Aceuisition of Reading & Writing.

(v) Self Esteem of women.

4. A national level symposium was organized from 7th to 10th Nov. 1990 with the objective to bring together on a common platform policy planners, experienced scholars and mid-career researchers, to articulate research needs in Human Development and Family studies as relevant to the Indian context, with special attention on gender issues. The purpose was to break out of the convetional paradigms and develop fresh perspective in research schloars, to enable them to identify, plan and conduct researches, which are socially relevant. and theoretically and methodologies sound. Fifteen papers were preesented in four major areas, ie. Human Development, Family Studies, family and Child Welafre, and Early Childhood Care and Education, followed by a half day round table discussion by senior researchers. The program was coordinated by Dr. T.S. Saraswathi and funded by ICSSR, ICMR, Ministry of HRD, DANIDA and UNICEF.

5. A Video program on Rural outreach program was developed as a part of the community participation and block placement activities by T.Y.B.Sc. students under the guidance of Dr. Jyoti Parikh, The program will be used for giving orientation for community partici pation progams of the department to future students and visitors.

6. The department of HDFS has been identified by NCERT and UNICEF to establish a Learning Resource Centre, to strengthen ECCE in the state of Gujarat. Under this programme, ECE resource materials for use by children, instructors and parents, as well as appropriate training models, will be developed and implemented in rural, urban and tribal ICDS blocks of Gujarat, with active collaboration between the Dept. of Health and Education of Governemnt of Gujarat. The programme is being coordinated by Dr. Prerana Mohite , and Dr. Veena Mistry Ms. Kiran Parekh and Mrs. Aurna Dave are the members of the operational committee.

Faculty of Social Work

I. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Title	Name of journal where in published and date of publication.
1.	Saxena S.B. & Parmar M.N.	People participation in Rural Development	"Social Work Review" Faculty of Social Work, M.S. University of Baroda, Vadodara 1990-91 issue, (An Annual Professional Journal)
2.	Parmar M.N.	People's participation in Rural Development programmes	Social Work Review March 1991

II. Monographs

Sr. No.	Names of Author	Title of Book/Monograph Monographed Report	Name of Publisher and Date of Publication
1.	Saxena S.B. & Maitra P.	Research Monograph "Assessment of Training Needs" A study of Social Work and non-Social Work graduates working in Industries in Baroda as Personnel Labour Welfare & I.R. Officers.	Faculty of Social Work, M.S. Universityof Baroda, Vadodara 1990.
2.	Saxena S.B. &Argade S.	Report of the seminar on "Promotion of Mental Health in Industry."	Faculty of Social Work, M.S. Universityof Baroda, Vadodara 1991.
3.	Saxena S.B.	Reports of the National Training Course for Training of Counsellors/Social Workers in Counselling Techniques. Sponsored by Counselling Techniques. Sponsored by Ministry of Welfare Govt. of India, New Delhi.	Director & Dean, Faculty of Social Work, Baroda Ist Report in Oct. 1990 IInd Report in February 1991.

4.	Joshi S. & Argade S.	A profile of the Urban Poor (A Study of 700 low Socio-economic Strata families at Vadodara).	Faculty of Social Work, M.S. University Baroda, December 1990

III. Papers Presented at Professional level seminars/conferences, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
1.	Saxena S.B.	(i) Seminar on Industrial Relations and Workers Education Organised By Regional Directorate of Central Board for Workers Education, Govt. of India, Baroda on 26.2.1991 at Federation Hall Alkapuri, Vadodara.	"Workers Education as an Instrument to Promote Harmonious Industrial Relations."
		(ii) "Symposium on Age at Marriage" Organised by Dept. of Continuing' Adult Education and Community Servces, M.S. University of Baroda, Vadodara on 28.2.1991 at Surya Hotel, Vadodara.	"Social Aspects of Marriage."
		(iii) "National Seminar on Drug De-Addiction and Rehabilitation," Organised by Dept. of Psychology S.P. University, Vallabh Vidya Nagar on 23.3.1991	"Possible steps and Methods to control Drug Addictions : Primary Prevention and Control."
2.	Anjaria V.	(i) Seminar on Leprosy for Multipurpose Health Workers of Gujarat organised by comprehensive Leprosy Care Project on 3.2.1991	"Social Dimensions of Leprosy."
		(ii) Yuva Chetna Shibir Workshop for University Youth, Baroda on 15.12.1990, organised by Institute of Youth Affairs & Social Development & N.S.S., M.S.U. Baroda.	"Leadership Qualities."
		(iii) In house Training Programme on 21.12.1990	"Supervision in Industries."

3.	Khasgiwala A.	Changing Family : Preventive and Promotive strategies for 1990's Indian Society of Professional Social Work, Delhi XIV Conference 15th, 16, 17th Feb. 1991. Paper was accepted but conference was not held due to Gulf War.	Family Choesion and Adaptability : Enrichment Model.

IV. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
1.	Saxena S.B.	(i) National Training Courses for Counsellors/Social Workers in Counselling Techniques, Sponsored By Ministry of Welfare Govt. of India, New Delhi and Organized & Conducted by Faculty of Social Work, M.S. University of Baroda, Vadodara during 1990-91 on 6.9.1990, 12.9.1990, 11.12.1990 and 18.12.1990.	(i) Integrated approach to Counselling. (ii) Research and Evaluation in Relation to various Aspects of Drug addiction. iii) Family its role in prevention of Drug Addiction. (iv) Use of Research in Clinical setting.
		(ii) National Institute of Personnel Management Baroda chapter	(i) Social Research Methods
2.	Navale A.S.	(i) Training & Orientation Centre, Gujarat Agricultural University, Anand 30.5.1990	NSS Retrospect & Prospect.
		(ii) Training & Orientation Centre, Gujarat Agricultural university, Anand 8.6.1990	Philosophy of Social Work & Youth Programme.
		(iii) Gujarat Vidyapith Ahmedabad 28.7.1990	Involvement of Youth in Literacy Mission
		(iv) North Gujarat University Patan 29.7.1990	Youth Programme in India.

		(v)	Sardar Patel University Vallabh Vidyanagar, 12.8.1990	Programme Development, Planning, Preparation & Organisation of NSS Camps.
		(vi)	Gandhij's Challenge Committee Vadodara 22.9.1990	Mahatma Gandhiji's message to Youth
		(vii)	Gandhiji's Challenge Committee Vadodara 21.10.1990	Discussion : Gandhiji's challenge Communal Harmony Programme.
		(viii)	Training & Orientation Centre, Gujarat Agricultural University Anand. 5.1.1991.	NSS-Programme Planning
		(ix)	Training & Orientation Centre, Gujarat Agricultural University Anand. 22.2.1991	NSS Perspective in the Field of Youth Development
		(x)	Training & Orientation Centre Gujarat Agricultural University Anand. 7.3.1991.	NSS and Social Work Relevance
		(xi)	Church's Auxiliary for Social Action, Ahmedabad 21.3.1991	Role of Youth in Disaster Management.
3.	Khasgiwala A.	Municipal School Board, Baroda 14.3.91 20.3.91 21.3.91	As an Expert for the Training Programme for Primary School Teachers Under the Project "Integregrated Education for Disabled.	"Teaching Methdology."
4.	Vyas M.D.	Karelibaug Bhagini Samaj (Women Welfare Programme) Women's leadership training programme, March' 1991.		Quality of life & Women
5.	Parmar M.	Bhaginisamaj, Vadodara 16.3.1991		Role of Women in Community development
6.	Solanki J.	Bhaginisamaj, Vadodara 16.3.1991		Role of Women in Community development

V. *Participation in Professional Programmes, Workshops, Summer Schools etc.*

Sr. No.	Name of Person	Programme, Place & Date(s)		Capacity in which Participated.
1.	Saxena S.B.	(i)	Seminar on Clean Environment at Hotel Suryia Palace on 22.12.1990	Invitee Participant
		(ii)	Seminar on Functional problems of Social Welfare Asencies at Prem-anand Sahitya Sabha Hall, Dandia Bazar, Vadodara on 25.2.1991.	
		(iii)	Workshop on Environmental Education for primary School Teachers of Municipal Schools of Baroda at NSS, Faculty of Social Work, M.S. University of Baroda on 23.3.1991.	Invitee
2.	Anjaria V.N.	(i)	Career Development organised by Baroda Management Association on 5.5.1990.	Faculty Member
		(ii)	Training courses for Training of Counsellors/Social Workers in Counselling Techniques at F.S.W., M.S.U. Baroda on 23.6.1990 and 15.9.1990.	Faculty Member
		(iii)	Adult Education "Relevance of Litracy in Daily Life" on 25.6.1990 at Shramik Vidyapeeth.	Chief Guest
		(iv)	Seminar on "Parents and a child Rearing" on 28.7.1990 at Bhulka Bhavan Society.	Speaker
		(v)	Outstanding Young Indian Programme on 15.12.1990, at the Banyan City Junior Chamber.	Member City level panel of Judges
		(vi)	Training Programme for Teachers at B.M.C. School Board, Baroda on 11.3.1991 - 18.3.1991.	Faculty Member

3.	Navale A.S.	(i)	Yuva Chetana Training Programme Organised by Institute of Youth Affairs and Social Development, NSS, M.S. University of Baroda & K.P. Foundation Baroda 15.12.1990.	Director
		(ii)	Celebration of Youth Week Programme - NSS, M.S. University of Baroda 12.1.1991 to 19.1.1991.	Co-ordinator
		(iii)	Youth Convention Organised by Ramkrishna Vivekanand Kendra, Baroda, Institute of Youth Affairs & Social Development and NSS, M. S. University of Baroda, 17.1.1991.	Director
		(iv)	Youth Campaign for Popularisation of Science in Community Organised by Community Science Centre Vadodara and NSS M.S. University of Baroda 10.2.1991 to 3.3.1991.	Resource Person
		(v)	Nature Education Camp - Organised by Convent School and Youth Council, Baroda 16.8.1990.	Resource Person
		(vi)	A Workshop on Man & Energy - Sponsored by Gujarat Energy Development Agency and Youth Council Baroda. 13.12.1990	Director
		(vii)	State Level National Integration and Environment Protection Camp at Kevadia Organised by Antar Bharati - Gujarat. 23.12.1990 to 1.1.1991	Chief Camp Organiser
		(viii)	A Workshop on Energy Conservation in Domestic Sector Sponsored by Gujarat Energy Development Agency Baroda 28.2.1991.	Director
4.	Parmar M.N.	(i)	Seminar on Voluntary Organisations 25.2.1991	Participant
		(ii)	Seminar on 'Women Education and Industrial Relations' Baroda 26.2.1991	Participant

5.	Solanki J.	National level convention on the participation of Uni. & College teachers in the literacy movement 15 & 16, April 1990.	Partici-pants
6.	Mehta L.V.	Panel Discussion on 'Parenting in the Modern world organised in C.D. Dept., Faculty of Home Science at Premanand S.S. Hall on 28.7.1990.	Panel Member

VI. Any programme of the Faculty for the benefit of the Community/Extension Work :

(i) Two-Two months residential National Training Courses for Counsellors/Social Workers in Counselling Techniques for Drug Addicts, Sponsored by Ministry of Welfare, Govt. of India, New Delhi at Faculty of Social Work, M.S.U., Baroda. 23.7.1990 to 15.9.1990, 26.11.1990 to 19.1.1991.

(ii) Leadership Development Programme at Bhagini Samaj, Karelibaug, Baroda.

VII. Distinguished Visitors

Sr. No.	Name	Designation	Dates(s) of Visit
	Under UGC Unassigned Grant :		
	Prof. Majmudar Paresh	Director, School of Social Science, Guj. Univ. Ahmedabad.	22.3.1991 - 23.3.1991
1.	Shri Waghmare Ravi	Hardile Chemicals, Bombay	17.4.1990
2.	Shri Singh Leo	Personnel Manager, O.R.G., Baroda	16.4.1990
3.	Dr. Thakore Jayshreeben	School of Social Science Ahmedabad	19.12.1990
4.	Swami Nikhileswarnandji	Ramkrishna Vivekananda Kendra Rajkot	14.12.1990
5.	Swami Shri Nikhil Atmanandji	President, Ramkrishan Math, Allahabad	19.12.1990
6.	Dr. Singh D.R.	Head, T.I.S.S., Bombay	7.1.1991
7.	Prof. Singh R.R.	Dept. of Social Work, Delhi	18.1.1991
8.	Shri Chakrborty A. IAS	D.D.O., Baroda	6.3.1991
9.	Shri Vaswani R.B.	District Social Defence Officer, Govt. of Gujarat	23.8.1990-10.12.1990
10.	Mrs. Asthana Shobha IAS	Dy. Municipal Commissioner, B.M.C.	10.1.1991

11.	Dr. Shah Mahendrabhai	Hospital for Mental Health, Baroda.	6.9.1990-10.12. 1990
12.	Dr. Rawal Harkant	Psychiatrist, Baroda	7.1.1991
13.	Prof. Sharma K.M.	Retired Prof. & Dean, of Fac. of S.W.	18.8.1990
14.	Shri Shelat I.P.	Retired Dean, Fac. of Social Work	29.8.1990
15.	Dr. Buch	Suptd. Hospital for Mental Health, Baroda	
16.	Prof. Majmudar S.K.	Head, Dept. of Social Work Guj. Vidyapeeth, Ahmedabad	28.8.1990
17.	Shri Joshi Nanbhai	Director, Dept. of C.A.E.S.G. Guj. Surat	28.8.1990
18.	Shri Patel P.J.	Director, Soc. Defence Dept. Govt. of Guj. Ahmedabad	19.1.1991
19.	Shri Rawal D.P.	I.A.S. Dy. Secretary, Dept. of Social Welfare, Govt. of Gujarat.	15.9.1990

VIII. National Service Scheme & Faculty of Social Work :

N.S.S., which was earlier a part of the faculty programme has now fostered into an independant programme. There are strong linkages between the faculty and N.S.S.

The Dean of the faculty is the ex-officio member of the advisory committee while Shri Anil Navale, Reader, Faculty of Social Work is the programme co-ordinator of the N.S.S.

CHILD GUIDANCE CLINIC

This is running with the joint efforts of the Indian Council of Social Welfare, Baroda Branch and the Faculty of Social Work, M.S. University of Baroda since 1973. It is the outcome of an attempt to bring together the various resources of the community with a view to applying scientific method to the study and treatment of problem children. It serves the needs for children of average intelligence, suffering from all kinds of habits, personality and behaviour disorder. There is a multi-disciplinary team of psychiatrist, clinical psychologist speech therapist and psychiatric Social Worker. This C.G.C. is pioner in organising and setting up child Guidance Service in Baroda.

Objectives of the Clinic :

1. To Provide theraputic 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 to developmental health services in the community.

3. To provide training to mentally retarded children and rehabilitate them.

Statistical Data :

Total Annual Attendances :

1.	Psychiatrical, Psychological Evaluation	-	46
2.	Individual Sessions	-	175
3.	Parent Counselling	-	50
4.	Home Visits	-	20
5.	Follow up contacts	-	5
6.	Gross Sessions	-	146
	Total number of new cases registered	-	10
	No. of cases from previous years	-	22

Group Sessions : Target group - Mentally Deficent children falling under age range of 5-18 years.

Aims : To train them in all areas of total development including academic as well as daily life activities. To help them to be self-reliant and for better adjustment to their surrounding enviornment.

They are also helped in socialising with others and interact with normal children. Rehabilitation and training are carried out in academic and non-academic areas for fostering their development.

Individual Sessions :

Target group : Children having special kind of problems and who require special attention of professionals.

Age range : 3 to 18 years.

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

The process of study, diagnosis, treatment, rehabilitation and followup is carried out in context of helping children to solve exisiting problems and for the adjustment with their surrounding.

Techniques used are :

* Play therapy
* Group therapy
* Parent Counselling
* School visits

* Home visit
* Psychiatric/Psychological evaluation
* Referral Services
* Social Work intervention (follow up and rehabilitation)

Overall aim of the agency is to help children and parents to solve their problems and finally helping children to achieve best adjustment in all the areas of development.

Sources of Referrals :

* Faculty of Social Work - Self and Students
* Schools
* Other agencies
* Psychiatrists and other medical experts
* Parents and relatives
* Ex-patients

Team-Members :

* Psychiatrists
* Speech therapist
* Social Workers
* Clinical Psychologist
* Helper

ADOPTION :

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

REPORT LIBRARY :

I. ACQUISITION NOTES :

(i) Descriptions of Grants : The Library has received

(1) Rs. 10,000/- as a Faculty recurring grant, out of which Rs. 6,000/- for books & Rs. 4,000/- for periodicals.

(2) We have received D.S.A. Grant Rs. 1,50,000/- for Books & Journals from U.G.C.

(3) Smt. Hansa Mehta Library has also allocated Rs. 4,000/-. from U.G.C. grant.

(ii) Books : One hundred & ninety four.

Note worthy Titles :

(1) India's Rural problems - K. N. Prasad

(2) The Tribal situation in India - K. Sureshsine

(3) Abnormal Psychology & Modern life - J.C. Coleman.

(iii) Journals : We have subscribed about fourteen journals for our Library use. Majority of them are of our specific subjects, cost worth of Rs. 4,000/-.

II. COLLECTION OF BOOKS AND JOURNALS :

Sr. No.		Books Bound Periodicals	Total Cost Rs. Np.
1.	Number at the begining of the Year (Including bound Periodicals)	10941	2,12,079.23
2.	Number of the Bound Periodicals	Nil	–
3.	Number of the books added as exchange during the year	-	-
4.	Number added during the year	171	36,648.61
5.	Numbers remaining at the end of the year	11111	2,48,727.84

III. CIRCULATION OF BOOKS :

(i) Timings : The Faculty Library runs 10.30 a.m. to 6.10 except 2nd and 4th Saturday, of each month, Sunday & holiday.

(ii) Registration Different Categories :

A.	Teachers	-	12
B.	Teaching Asstt	-	4
C.	Students	-	92

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

A.	Daily average number of Readers visiting the Library	80
B.	Total number of books issued Per day for reference	75
C.	Total number of books issued for the Reading Home	100
D.	Average number of books issued per year	800

(iv) Thesis & Dessertations :

We have few Ph.D. thesis as well as collection of dissertations of Sr. M.S.W. Students. We have received about thirty six to fourty Dissertations every year in the library.

(v) Other activities : NIL

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Faculty of Law

I. Published Articles/Papers

Sr. No.	Name(s) of Person(s)	Titles	Names of Journal Wherein Published and Date of Publication
	Punekar S.D.	(i) "Gurupad V. Hirabai A.S.C. (1239) a Misinterpretation of Section 6 of Hindu Succession Act 1956"	Gujarat Law Herald Ahmedabad Dec. 1990 Volume X issue Xii
		(ii) "Guardianship of Hindu Minor Widow".	Gujarat Law Reporter Ahmedabad Jan. 1991 Vol. 1991 (1) XXXII

II. Participation in Professional Programmes, Workshops, Summer Schools etc.

Sr. No.	Name of Person	Programme, Place and Date(s)	Capacity in which participated
1.	Rathod J.C.	Two days seminar on Curriculum Development Center (CDC). Report in Law from U.G.C. organized by University School of Law, Gujarat University, Ahmedabad on 26th & 27th March, 1991.	Participant
2.	Naik D.B.	Two days seminar on Curriculum Development Center (CDC). Report in Law from U.G.C. organized by University School of Law, Gujarat University, Ahmedabad on 26th & 27th March, 1991.	Chaired in one Session

III. Any programme of the Faculty for the benefit of the Community/Extension work.

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

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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. Two books namely "Kiranavali" and " Ahar Vijnana" were 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. Memorial Lecture Series
5. Shri Sayaji Sahityamala
6. Shri Sayaji Gramvikasamala
7. Shri Sayaji Balajnanamala
8. Shri Shishujnanamala and
9. Matushri Jamnabai Smarak Granthamala.

II. Post-graduate Teaching

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

III. Published articles/papers

Sr. No.	Name	Title	Name of the Journals where in published with date of publication
1.	Vyas R.T.	(i) A Critique of Modern Epistemology	Haryana Sahitya Akademy Journal of Indological Studies, Vol. III, Nos.1-2 Spring, 1988 (issued in June 1990).

		(ii)	Shri Hemachandra-charys pramanamimamsa	Haima Vanmaya Vimarsha, Guj. Sahitya Akademy, Gandhinagar, Feb. 1991.
2.	Joshi P.H.		Select Contents of Oriental Journals	Journal of the Oriental Institute Vol. XXXVIII, Nos. 1-2 (Sept. Dec. 1988) issued in July 1990 and Vol. XXXVIII, Nos. 3-4 (March-June 1989) (issued in Dec. 1990).
3.	Wakankar S.Y.	(i)	Abhijata Sanskrit Sahitya ane Kalahakavya (Guj.)	Svadhyaya, Vol. 25 Nos. 3-4, April-Sept. 1988(issued in June, 1990.)
		(ii)	Setaranjaranga of Devasankara Vyasa of Baroda	Journal of the Oriental Institute, Vol. XXXVIII, Nos. 1-2 (Sept. Dec. 1988) (issued in July, 1990).
4.	Joshi D.S.	(i)	Jain Ramakathanum Svarupa (Guj)	Ramasudhamruta, No. 31, Sept. Oct, 1990.
		(ii)	Adi Sankarni Matru bhakti-A Translation of Sanskrit article by Vasudeva pathaka (Guj.)	Svadhyaya, Vol, 26, Nos. 1-2. (issued in Dec. 1990).
		(iii)	28 articles on the Lord Shiva under the title 'Shivasamnidya' (Guj.)	'Lokasatta', during 23-7-90 and 21-8-90
		(iv)	Gujaratamam Ramalila (Hindi)	'Uttara' Vol, 9 No. 12, Dec.- Jan. 1991.
		(v)	Avadhutani Sathe Sathe (Guj)	'Nareshvarano Naad" , Vol,12, No. 147, Dec. 1990.
		Reviews:		
		(i)	Navam mulyoni Sodhamam by Bhuva-nesh Oza (Guj.)	Svadhyaya Vol.26, Nos. 1-2 (issued in Dec. 1990)
		(ii)	Holi Gito by Jayananda Joshi	Svadhyaya Vol.26, Nos. 1-2 (issued in Dec. 1990)

5.	Wadekar M.L.	Devalanirdista Sankhyayogana Prachina Grantho (Guj.)	Svadhyaya Vol.26, Nos. 1-2 (issued in Dec. 1990)

IV. Published Books and Monographs:

	Name of the Author/s	Title of the Book/s	Name of the Publisher and year of publication
	Joshi P.H. & Wakankar S.Y.	Chetovinodana Kavya of Daji Jyotirvid (Being published serially in JoI Vol. 38 Nos. 1-2 and Nos. 3-4 (issued in July 1990 and Dec. 1990)	Oriental Institute, M.S. University of Baroda, Baroda 1990-91

V. 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.	Vyas R.T.	(i) All-India Orientalists' Conference, organised by Ramkrishna Mission Insti. of Culture, Calcutta on 4 & 5 Jan. 1991.	Oriental Institute, Retrospects and Prospect
		(ii) All-India Vidvatsammelan on Pandit Madhusudan Ojha Organised by R.P.P. and Deptt. of Sanskrit, Jodhpur Univ. Jodhpur, between 25th and 27th Jan. 1991 (Also presided over a Session)	Critical study of Pitrasamiksha
		(iii) Gujarat State Universities and Colleges' Sanskrit Adhyapaka Mandal, Ahmedabad, 16th Annual Conference, held at Shamalaji between 27-29 March, 1991 (Also presided over a Session)	Rupaka, Upama & Drastanta in chhandogya Upanishad
2.	Wakankar S.Y.	(i) 16th Conference of the Guj. State Univ. & Colleges Sanskrit Teachers' Association held at Shamalaji from 27-3-91 to 29-3-91.	Virahinipralapa A Pedantic Pralapa

		(ii) 35th Session of the All-India Oriental Conference, Hardwar between 16-18 Nov. 1990.	Daji Jyotirvid A Little-known Court-poet from Kolhapur
3.	Brahmachari U.M.	16th Conference of the Guj. State Univ. & Colleges' Sanskrit Teachers' Association, held at Shamalaji from 27-3-91 to 29-3-91	Vishvamitra na ketlak Suktonu Adhyatmika. Darshan.
4.	Wadekar M.L.	(i) All India Oriental Conference, 35th Session, held at Hardwar between 16-18 Nov. 1990.	Ganeshalahari of Gopinatha-A Rare and Little known stotra-work.
		(ii) 16th Conference of the Guj. State Univ. & Colleges 'Sankrit Teacher's Association held at Shamalaji between 27-29 March, 1991.	Saubhagyalahari of Sankara Somanatha-A Little-known Lahari-Kavya.

VI. Talks Of Academic Nature given at different Universities Professional Institutions:

Name of the Teacher	University/Institution and date	Title of the Lecture
Bhatt B.N	Ahmedabad T.V. Station relcased under T.V. Programme 'Pradakshina' talk demonstration on 16-8-90.	Talk-Demonstration programme on the Critical Edition of Valmiki Ramayana
Joshi D.S.	(i) Collector's Office Kothi, Baroda. 23.7.90 & 25.7.90	(i) 3 Lectures on Gujarati Grammar
	(ii) Akashvani, Baroda 7.9.1990.	(ii) Kiratarjuniyam
	(iii) Senior Citizen's Council, Gorva, Baroda, 2.10.1990.	(iii) Gandhiji-Ajana Samdarbhamam
	(iv) Shri Ranga Avadhuta Abhyasa Kendra, Surat 23-2-1991.	(iv) Dattatreyanum Svarupa

VII. Journals Published by the Institution

Name of the Journal		Name of the Editor/s	Periodicity of Publications
1.	Journal of the Oriental Institure (in English)	Vyas R.T.	Quarterly (Sept. Dec. March & June)
2.	Svadhyaya (in Gujarati)	Vyas R.T.	Quarterly (Dipotsavi, Vasantpanch-ami, Akshyaya Trutiya & Janmashtami)

In the year under report Nos. 1-2 and Nos. 3-4 of Vol. XXXVIII of the Journal of the Oriental Institute were published and Nos. 1-2 of Volume XXVI of Svadhyaya were published.

VIII. Visitors

Name	Designation	Date
Pandya Chandrakant B.	Director, Guj. State Archives Sector-17, Gandhinagar.	25-7-1990
Smith Frederick M.	Asstt. Prof. of Sanskrit, University of Iowa, Iowa-52542 U.S.A.	8-8-1990
Narang S.P.	Reader, Deptt. of Sanskrit, Univ. of Delhi, Delhi-110 007.	27-12-1990
Bhavsar Kanaiyalal K.	Director, Guj. State Archives, Sector-17, Gandhinagar.	23-1-1991

IX. Manuscripts Section

This Section has a collection of 27, 150 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsha and other Indian languages including a few in Persian and Arabic. To these 15 manuscripts were added during the year. Thus, the total number of manuscripts stands 27, 165.

During the year 9 MSS. were lent out, 220 MSS. were issued in the premise and 23 MSS. were issued to staff members.

X. Printed Books Section

The Institution has a well equipped Library having a collection of 44, 217 books.

A. Books :

This year the Library has spent Rs. 18,119.70 towards the purchase of books.

This includes.

(i) Rs. 12,000/- (Rs. 9,000 + 3,000/- in revised budget) from revenue grant.

(ii) Rs., 2,000/- for Vishnupurana Project from revenue grant.

(iii) Rs. 3,000 /-from UGC through Smt. Hansa Mehta Library.

The Noteworthy Titles :

1. The Art of Happiness- teachings of Buddhist Psychology, by Mirko, Fryba.
2. The Surya Siddhanta: A text-book of Hindu Astronomy, edited by P. Gangooly.
3. Sixty Upanisads of the Veda, by P. Deussen.
4. Surya: Iconographical Study of the Indian Sun God, by D.P. Pandey.
5. Ancient India in a new light, by K.D. Sethna.

Collection of Books and Journals :

	Books including bound periodicals	Total Value
Total number of volumes of the year	43,795	Rs. 6,24,406.57
Number added during the year, (including purchase, gift and exchange)	422	18,119.70
Total	**44,217**	**Rs. 6,42,526.27**

Journals :

The number of Journals received here is nearly 200 by way of exchange and by way of gift. The Institute could subscribe for only one Journal-Marg.

XI. Publication

(a) Gaekwad's Oriental Series:

The following work was reprinted:

(1) Kiranavali (G.O.SNo. 154)

The Institute has utilized the University grant of Rs. 49,977-80 and Rs. 34,985-00 from the Gujarat Sahitya Akademy, Gandhinagar, 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. Tra.) Vol. II (G.O.S. No. 83) (Reprint)	- Tr. by Late Dr. Ganganath Jha
(3)	Nyayakandali	- ed. by Late Dr. J.S. Jetly and Dr. Vasant Parikh
(4)	Fatuhat-i-Alamgiri (Persian Text & Eng. Translation)	-ed. by Dr. Raghubir Sinhaji
(5)	Vishvamitrimahatmya	-ed. by Shri J.P. Thaker
(6)	Waquit-i-Holkar	-ed.. by Dr. Raghubir Sinhaji
(7)	An Alphabetical list of MSS in the Oriental Institute Vol. III	-ed. by Shri P.H. Joshi and Shri B.P. Pandya

XII. 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 was reprinted during the year.

1. Ahar Vijnana : by Dr. J.D. Pathak Dr. A.M. Raval (Shri Sayaji Sahityamala Pushpa No. 317)

The following works are under print :

1.	અર્વાચીન સંસ્કૃત સાહિત્યનો ઈતિહાસ	- Tr. by Dr. A.J. Raval & Mrs. V.S. Lele
2.	મંજૂલ વિમર્શ	- by Shri J.P. Thaker
3.	ગ્રામનિર્માણ	- by Shri Arvind H. Pandya
4.	વડોદરાના મન્દિરો	- by Smt. Manjulaben Oza
5.	સંત એકનાથ	- by Shri Y.P. Musale
6.	આયુર્વેદ પ્રવેશિકા	- by Vaidya Manibhai Brahmabhatt

XIII. Critical Editions' Wing :

1. Several Institutes and Libraries in India and abroad have been contacted for the purpose of obtaining the MSS. of the *Markandeya* Purana and of the *Devimahatmya*. Most of them have suplied us the relevant information. Attempts are being made to obtain original MSS., xerox or microfilm-copies.

   Nine MSS. of the *Markandeya Purana* and six MSS. of the *Devimahatmya* in different scripts like Devanagari, Bengali, Udiya, Telugu etc. have been procured during the period under report.

   Dr. M.L. Wadekar was deputed to Pune for study and selection of MSS. of the *Markandeya Purana* and the *Devimahatmya* at the Bhandarkar Oriental Research Institute.

2. The writing and checking of all the three vulgate sets of the *Markandeya Purana* or completed and the three extra sets of the *Devimahatmya* portion were also prepared for collation purpose.

3. The collation of five MSS. of the Markandeya Purana was completed and that of four MSS. is in progress.

4. The work of preparing Devanagari transcription of the MS. entitled *Uttaramarkandeya Purana* in Telugu script was also done during the period.

5. The work of finalising the concordance and the Introduction for the Critical Edition of the Vishnupurana was also completed.

Faculty of Performing Arts

I. *Papers Presented at Professional level seminars/conferences, etc.*

Sr. No.	Name of Person(s)	Theme, Organizer's Name Place, Dates of Seminar/ Conference etc.	Title of Paper
	Department of Music		
	Purandare M.N.	Teacher's Training College, Varanasi, January, 1991	Aesthetics & Music
	Department of Dance		
	Chandrasekhar C.V.	(i) All India Seminar on "Dik, Desa & Kala" at Banaras Hindu Univ. Varanasi. 5-8 Feb. 1991	Concept of Time & Space in Dance
		(ii) International Dance Festival at New Delhi Seminar. 11-18 Dec. 1990.	Invited as participant for discussion.
	Department of Dramatics		
1.	Shah M.C.	Seminar on NATYA organized by Premanand Sahitya Sabha & Dept. of Gujarati, MSU. 24-25, Jan. 1991 at Vadodara.	Production Aspect of Bhasa Karnabharam
2.	Vyas H.D.	Seminar on NATYA organized by Premanand Sahitya Sabha & Dept. of Gujarati, MSU. 24-25, Jan. 1991 at Vadodara.	Literary Aspect of Karnabharam

II. *Talks of Academic Nature given at different Universities/Professional Institutions.*

Sr. No.	Name of Person(s)	University/Institution & Date	Title of Lecture.
	Department of Dance		
	Chandrasekhar C.V.	University of Leiden, Netherland 1, June 1990	Gesture Language of Dance in Bharata Natyam.

Department of Dramatics.

1.	Shah M.C.	Dept. of Gujarati, MSU & Akshara - Vadodara 2nd Feb. 1991	Natyacharya - Jashwant Thakar
2.	Vyas H.D.	(i) Sheth T.C. Kapadia Arts & Commerce College, Bodeli 12-Feb. 1991	Form of Street Play
		(ii) Grantha Goshthi, Vadodara, 16.2.1991	'Subhashya-Shigram' Critical analysis of the play by Hasit Buch.

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

Sr. No.	Name of Person	Programme, Place & Date(s)	Capacity in which Participated
	Department of Dance		
1.	Shah P.A.	Workshop on America's Modern Dance during International Dance Festival- New Delhi 2-18, Dec. 1990	Participant
2.	Chandrasekhar C.V.	Summer school for All India Music Teachers & Central Schools 19 May; 90.	Lect. on Bharata Natyam with demonstration
3.	Gangani H.S.	Summer school for All India Music Teachers & Central Schools 16-17 May 1990	Lecture on Kathak with Demonstration.
	Department of Dramtics		
1.	Bhatt J.K.	Bhavai Natya Shibir AKSHARA- Vadodara. 5-6 Jan. 1991	Presented Papers with demonstration on 'Dialogue in Bhavai.'
2.	Mehta R.B.	Bhavai Natya Shibir AKSHARA Vadodara. 5-6 Jan. 1991	Presented paper with demonstration on 'Entry-Exit' characters in Bhavai.
3.	Shah M.C.	Bhavai Natya Shibir AKSHARA Vadodara. 5-6 Jan. 1991	Presented paper with demonstration on 'Elements of Bhavai in JALKA.

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

Sr. No.	Name of the Teacher	Programme, Place & Date.
	Department of Dance	
1.	Chandrasekhar C.V.	(i) Polanen Theatre, Amsterdam 1 June 1990
		(ii) Univ. of California Barkeley, USA 23, June 1990
		(iii) International Dance Festival New Delhi 22 Dec. 1990
		(iv) Sahitya Kala Parishad New Delhi 3 March 1991
	Department of Dramatics	
1.	Shah M.C.	(i) Radio Natya Mahotsava 90 acted in Raja Vaja ne Vandara-broadcast on 14th June, 1990.
		(ii) National Radio Play-Raja Ghar ni Katha Broadcast on 27th Sept. 1990.
2.	Vyas H.D.	All India Radio invited for writing lyrics for musical feature on environment preservation-broadcast on 4th Dec. 1990

VII. Distinguished Visitors.

Sr. No.	Name	Designation	Dates(s) of Visit
	Department of Dance		
1.	Panickar Narayana Kavalam	Theatre & Kerala Dance forms-expert Director, Sopanam Thiruvanapuram.	5 Jan. 1991

Faculty of Management Studies

I. Published Books.

Sr. No.	Name(s) of Author(s)	Titleof Book/Monograph/ Monographed Report	Name of Publisher and date of publication.
1.	Maheswari G.C.	Studies in Accounting Theory (2nd Edition)	Wiley Eastern Publishers, New Delhi, 1991.

II. Paper Presented at Professional level seminars/conference, etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name, Place, Dates of Seminar/ Conference etc.	Title of Paper
1.	Maheswari G.C.	National Seminar on "Emerging Trends in Capital Markets" held at Kousali Institute of Management Studies, Karnatak University Dharwad 28, 29 and 30th March 1991.	"Financial Innovations and Excesses : Some Reflections."

III. Talks of Academic Nature given at different Universities/Professional Institutions.

Sr. No.	Name of Persons	University/Institution & Date	Title of Lecture.
1.	Beri G.C.	(i) Institute of Management Consultants of India, Gujarat Chapter, Baroda 22.12.1990	Marketing of Consulting Services.
		(ii) Vikram University, Ujjain, 15th and 16th March, 1991	Delivered a series of lectures at Pandit Jawaharlal Nehru Institute of Business Management.
2.	Maheswari G.C.	(i) Vikram University, Ujjain 22nd and 23rd March, 1991	Delivered series of lectures.
		(ii) Karnataka University, Dharwad 25.2.1991 to 2.3.1991	Invited as Visiting Faculty to deliver series of lectures at Kousali Institute of Manageemnt Studies.

IV. National and International Awards and Distinctions.

	Name of the Recipient	Description of the Award/Distinction
1.	Beri G.C.	A Biographical note included in BIOGRAPHY INTERNATIONAL 1990-91 (Vol. III / IV) Published from Delhi.

Baroda Sansktri Mahavidyalaya

I. Publication Books/Monographs.

Name(s) of Author(s)	Title of Book/Monograph/ Monographed Report	Name of Publisher and Date of Publication
Shukla Udayan H. (ed.)	ચરણામૃત	શ્રી વલ્લભ ફાઉન્ડેશન ટ્રસ્ટ, વડોદરા, મે. ૯૦

II. Distinguished Visitors.

Name	Designation	Date(s) of visit
Pandit Kasturi Rangacharya	Principal, Sanskrit Pathshala, Bhuj	11-26, March, 1991

III. Any programme of the Faculty for the benefit of the Community/Extension work

12-5-90 The BSM welcomed Shri Jayendra Saraswatiji, Shankaracharaya of Kanchi Kamakoti and honoured some local outstanding Pandits at the hands of Shri Shankaracharyaji.

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

Conducted "Learn Sanskrit-Speaking in Ten Days" workshops at some places in the city and in the BSM

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

I. *Published Articles/Papers.*

Sr. No.	Name(s) of person(s)	Title	Name of Journal wherein published and Date of publication
1.	Shukla D. S.	Maithilisaran Gupta, Garhshtya ras ke kavi	Sammelan Patrika, Ilahabad, March 1991
2.	Sylvester S.P.	'Educational Technology and the learning and Teaching of English in India.	JELT, Vol. XXV, 1991

II. *Published Books/Monographs.*

Sr. No.	Name(s) of person(s)	Title of Book/Monograph/ Monographed Report	Name of Publisher and Date of Publication
1.	Sylvester S.P.	Cross Roads : A Guide to Communication in English	Oxford University Press, Bombay 1991

III. *Paper presented at professional level seminars/conferences, etc.*

Sr. No.	Name(s) of Person(s)	Theme, Organizer's Name, Place, Dates of Seminar/Conference etc.	Title of Paper
1.	Sylvester S.P.	(i) National Dream and Regional Realities : Canada and India Bharatidasan University, Tiruchirapally, 5-8 Jan. 1991	Cultural Integration as a National Dreams or a Regional Nightmare in Canada and India.
		(ii) National Seminar on Politics, Idelogy and the Teaching of English in India, Deptt. of English M. S. University of Baroda, Feb. 1991	Acculturation or Decultura-tion in ESL in India.

2.	Thyagarajan T.	Indian History Congress 51st session at Calcutta Uni. 28-30 Dec. 1990.	"Swaminarayan Sampradaya in Gujarat"

IV. Participation in professional programmes, workshops, summer schools etc.

Name(s) of Person(s)	Programme, Place and Dates	Capacity in which participated
Parikh J. P.	National Seminar on : " Politics, Ideology and Teaching of English" from Feb. 15-18, '91 Deptt. of English M. S. Uni. of Baroda.	Participant

V. National and International Awards and Distinctions

Name of the Receipient	Description of the Award
Sylvester S. P.	Council for National Academic Awards, U.K. awarded an M.A. in Media Assisted Language Teaching and Learning, Nov. 1990

VI. Distinguished Visitors

Name	Designation	Dates of Visits
Satuna A. R.	Parikshetra Van Adhikari	19-11-90 to 24-11-90.

VII. Any programme of the Faculty for the benefit of the Community/Extension work.

This College Students Association arranged a Fun Fare on 19th March, 1991 between 4.00 p.m. to 7.00 p.m.

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

1. From 19-11-90 to 24-11-90 'Communal Unity Week' celebrated, Debate competition arranged from Forest Department Films had been also shown relating to Forest and Forest Animals, Shri A. R. Satuna, Forest Officer also visited on eve of such celebration.

2. Members of the Students Association of this College organised Games Competitions between the staff and students of this College.

1.	Cricket Match (With Tennis Ball)	26th Jan.'91 10.00 a.m.
2.	Badminton – Singles and Doubles	26th Jan.'91 10.00 a.m.

IX. Library

(1) Acquisition Notes

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

A. Faculty Grants For :

	Amount sanctioned
(1) Books & Periodicals	Rs. 15,000/-
(2) Binding Charges	Rs. 1,000/-
(3) UGC Grant (Eight Five Year Plan period)	Rs. 5,000/-

B. Books

Books purchased during the year No. 307,

Total Cost Rs. 16,778.07

Note worthy titles : There have been a few noteworthy additions during the year under report :

(1) Hindi Alochana Kosh (1972-77)

(2) Hindi Granth Kosh (1981-85)

(3) Hindi Granth Kosh (1976-80)

(4) Pauranik Katha Kosh

(5) Gujarati Sahitya Kosh

(6) India Economic Information Year Book 1990-91

(7) Information Almanac Atlas & Year Book

(8) India 1990 : A Reference Annual

C. Journals

The Library has subscribed to 30 periodicals at the cost of Rs. 4,241.10 during the year under review. There is no addition of bound periodicals. The teachers and students are making good use of the periodicals.

D. Equipment : Nil

E. Other Reading Materials : Nil

(2) Collection of Books and Journals

Sr. No.		Books	Bound Periodicals	Total Cost
1.	Number at the beginning of the year	12,033	–	2,17,786.89
2.	Number added during the year	307	–	16,778.07
3.	Number withdrawn during the year	–	–	–
4.	Number remaining at the end of the year	12,340	–	2,34,564.96

(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 to 8.00 a.m. to 6.00 p.m. on all working days before one month of commencement of College tests and annual examinations.

2. Registration Different Catagories :

   (A) Total number of students' registration during the year 1455

   (B) Total number of Ex-Students registration during the year 15

   (C) Members of staff (Teaching and Non-teaching) on registration list 76.

3. The Statistics of the use of the Library :

   (a) Daily average numbers of Readers visiting the Library 101

   (b) Total number of books issued per day for reading 32

   (c) Average number of books issued for home-reading from General Collection 39.

   (d) Average number of books issued per day from Corricular Section 15

   (e) Average number of books issued per reader in the year 25.

(4) Orientation Programme

The students (Newly admitted) were oriented for use of Library alongwith 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 the required reading materials.

(5) **Exhibition**

List of recent acquisitions in the library is being prepared regularly for display on notice board for information of readers.

(6) **Reference Services**

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

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Polytechnic

I. Papers presented at professional level seminars/conferences etc.

Sr. No.	Name of Person(s)	Theme, Organizer's Name, Place, Dates of Seminar/ Conference etc.	Title of Paper
1.	Darji R.R.	Indian 9th Annual Conference of Council of Chemists (Gulburga) Karnataka - State. Dec. 21 to 23, 1990.	"Synthesis of Di-thio-Oxalic- Esters."

II. Any Activity of Academic/Social Significance Organised.

Achivements

The Industry-Institute Interaction scheme was sanctioned to polytechnic by Ministry of Human Resources Development, Govt. of India, New Delhi. For the year 1990-91 the, following is the progress report :

- Creation of Linkage Cell : Linkage cell, the Operating Unit of the Scheme was formed with appointment of Project Officer, Programmer & Clerk, Linkage Cell & FEP was launched on 31st March, 1991. The Scheme Introduced in 1989-90 is extended upto March, 1992.

- Faculty Exchange Programme : Under the Faculty Exchange Programme, Mr. P.P. Ras, Lecturer, Mechanical Engg. Deptt. participated with Kirton Engg. Works, GIDC, Makarpura, Baroda under the Faculty Exchange programme (FEP), Mr. S.J. Gadhavi, Lecturer, in Chemical Engg. at Department of Petrochemicals Technology is currently participating in Faculty Exchange Programme with Gujarat Refinery of Indian Oil Corporation at Baroda, which has deputed Shri Vankar, Q. C. Officer for revamping the Petroleum Laboratory.

- Visit : Plant visit to M/s. Petrofils Co.op at Baroda for Final Year students of Petrochemicals Technology was arranged.

- Annual Function for Launching : (The Linkage Cell) : Many industries participated alongwith Faculty members. Industry-Institute-Interaction Scheme in general & Linkage Cell in particular was the matter discussed by Industries & Institute members.

Meeting with following Industries were arranged in persuance of Faculty Exchange Programme :

(a) Asia Brown Boveries

(b) Electrical Research & Development Association (ERDA)

(c) Gujarat Communication & Electronics Limited (GCEL)

(d) Indian Petrochemical Corporation Limited (IPCL)

(e) Indian Oil Corporation (IOC)

(f) Gujarat State Fertilizer Co. Ltd.

Initial strategy for Enterpreneurship Development Scheme is underway for Linkage Cell.

A. Centre for Continuing/Adult Education and Community Services

I. Course of studies

A. Continuing Education Programme

INTRODUCTION

The Centre has been offering courses for individual, professional and community development for the last twenty years. There are three types of courses offered : short-term certificate courses, long-term certificate courses and a Diploma course. The short-term courses of duration of one to three months are offered during the summer vacations and cater to the need based community. The long-term and Diploma courses are professional development courses and are approximately of one year duration. Most of the courses help to enhance the employment potential of the individual and housewives.

B. Short term certificate courses

The following short duration certificate courses were successfully run during the year 1990-91.

Sr. No.	Name of the course	No. of Beneficiaries		
		Male	Female	Total
1.	Computer Language – Basic	6	9	15
2.	Computer Language – Word Processing, D'Base, Lotus	21	7	28
3.	Computer Language – Basic for Under Graduate	10	3	13
4.	System Analysis & Design	15	3	18
5.	Interior Decoration	17	36	53
6.	Flower Arrangement	–	7	7
7.	Art of Bonsai	–	13	13
8.	Automobile Engineering	15	–	15
9.	Luna, Moped Repair	6	–	6
10.	Beauty Care & Mehendi Application	–	10	10
11.	Dress Designing	–	34	34

12.	Drugless Healing	27	51	78
13.	Yoga for Better Living	38	26	64
14.	Materials Management	50	–	50
15.	Sales tax, Income tax, Central Excise	21	1	22
16.	Bhajan Sangeet	–	11	11
17.	Bal Geeto	7	5	12
18.	Shastriya Swar Sangeet	18	26	44
19.	Light Music	7	24	31
20.	Tabla Accompaniment	17	3	20
21.	Photography	10	5	15
22.	Dress Making	–	13	13
23.	Creative Movement	–	7	7
24.	Punjabi Dishes	–	17	17
25.	Western Baked Dishes	–	25	25
26.	Spoken English	6	3	9
27.	Unix & 'C'	9	2	11
28.	Drugless Healing (Holistic Healing) in two batches	40	56	96
29.	Air Pollution Monitoring and Control	15	–	15
30.	Garba	3	9	12
31.	Personal Computer and its applications	12	–	12
32.	D'base, Wordstar & Lotus	23	5	28
33.	Yoga for Better Living	16	26	42

C. Long Term Certificate Courses

The following long term Certificate Courses were conducted during the year 1990-91.

Sr. No.	Name of the Course	Enrolment
1.	Industrial Purchasing and Materials Management	107
2.	Marketing Management	169
3.	Industrial Management	42
4.	Hotel Management	69
5.	Interior Decoration	149
		536

D. Diploma Course

The following Diploma Course was conducted during 1990-91.

Name of the Course	Enrolment
Computer Management	51

II. A. Published Monographs

Name of Author(s)	Title of Book/Monograph Monographed Report	Name of Publisher Date of Publication
Malathi Chakravorty	(i) Area Development Project Based on UGCguidelines 1988-1995	M. S. University Press, 1990
	(ii) Report of the Centre for Continuing/Adult Education and Community Services for 1973 to 1987.	M. S. University Press, 1990

III. Participation in professional programme, workshop, summer school etc.

Name of person	Programme, place and dates	Capacity in which participated.
Chakravorty Malathi S.	(i) General Meeting of all India Adult Education Association held at Bhopal from 24th to 27th of May, 1990.	Presented Paper
	(ii) Symposium on Adult Education organised by IUACE held at Delhi on 21st to 23rd August '90.	Chairman of a Session
	(iii) West Zone Conference of IUACE held at SNDT University, Bombay on 8th and 9th February '91.	Speaker
	(iv) Evaluation Committee Meeting on Adult Education at New Delhi on 6th March, 1991.	Paper Setter for Continuing/Adult Education

IV. Exhibitions, Performances, Demonstrations' etc. at State, National or International level.

(i) Exhibition related to Adult Education was held at M. S. University Pavilion during the University Fun Fare Week and

(ii) Exhibition regarding Population Education was held at Padra College, Padra.

V. Any programme of the Faculty for the benefit of the community/extension works.

Under Area Development Approach the Padra Taluka of Baroda District was selected for Adult Education programme. Two different approaches have been used to conduct the Adult Literacy Programme.

1. **Regular Centre based Adult Education.**

2. **Mass programme for functional literacy. Under centre based programme total 771 adults have benefitted from this programme.**

The following activities were carried out for the benefit of community.

- Orientation programme for adult education instructors
- International Literacy Day celebration
- Health Education programme
- A radio talk on "Literacy and Rural India" was broadcast on All India Radio, Baroda.

Under Mass Programme for Functional Literacy 729 illiterates were benefitted.

The following activities were carried out.

- Film shows on adult education at Raipura.
- Exhibition on adult education literature at Padra College.

3. Jan Shikshan Nilayam

Two Jan Shikshan Nilayam were started during the year. One in Padra and another in village Raipura of Padra Taluka. Around 5,000 people have benefitted from the activities of the JSNs which are as follows :

1. Celebration of Independence Day.
2. Celebration of Gokulashtami.
3. Orientation for M.P.F.L. workers (35 participants).
4. Literacy Day Celebration (8th September, 1990).
5. Prabhat Feri on Gandhi Jayanti Day (2nd October, 1990).
6. Get-to-gether on Diwali Day.
7. An intensive programme on cattle diseases and care at Padra. Dr. G.K. Chaudhary (Veterinary Doctor) was the Speaker.
8. T.V. Programme on Adult Education was shown to the people of Raipura village.
9. Volley ball & other games were played by the beneficiaries.

10. Circulating Library for the neo-literates.
11. Bhajan programme at Padra Centre.
12. A drama of "The Evils of Alcoholism" was staged at village Raipura for the benefit of local people by the local students.
13. Sarpanch and President of Milk Co-operative Society had JSN at village Raipura.
14. Dr. Ambedkar Jayanti was celebrated at Padra JSN.
15. Sarpanch of village Raipura gave lecture on how to form a Mahila Mandal for the benefit of village women.
16. Family Welfare exhibition was organised at Padra JSN.

4. Population Education Programme

Under Population Education Programme different population education clubs were established at adult education classes in the villages of Padra Taluka. For instructors of these clubs one day training programme was organised at S.S.G. Hospital Baroda with the help of Post-Partum Unit of the Hospital. The following topics were covered during the training programme.

1.	Concept of Population Education	Dr. Pagi
2.	Slide show on methods of family planning	Dr. Govindbhai Patel
3.	Family Life Education	Dr. H.C. Pandya
4.	Pre Post-Natal care of the woman	Dr. Artiben Desai
5.	Immunisation Programme	Dr. Shilaben Bharani

Total of instructors were benefitted. The following activities also were carried out during the year 1990-91.

- Exhibition on Population Education at Padra College.
- Lecture on small family norms by Dr. Patel of Health Centre, Padra.
- Printed slogans on Population Education were distributed for the benefit of villagers.
- Slide show on Population Education.
- Video show on Family Planning.
- Film show on family planning at village Vadu.

VI. Any activity of academic/social significance organised in/by the faculty not included under previous items.

Symposium On "Age At Marriage"

The Centre organised a one-day symposium on "Age at Marriage" on 28th February 1991. The symposium was sponsored by UNICEF and was attended by more than 50 experts and

fieldworkers from different fields like Medicine, Home Science, Social Work, Sociology, Education & Psychology, Population Studies and Law.

Dr. Rohit Bhatt, a leading Gynecologist and ex-professor and head of Department of Obstetrics and Gynecology inaugurated the Symposium and delivered the key-note address.

Prof. Tara Gopaldas, Dean, Faculty of Home Science and Prof. Amita Verma, Director of Women Studies Project were the main speakers at the Symposium. Other speakers included Dr. S.B. Saxena, Dean, Faculty of Social Work, Dr. M. M. Gandotra, Director of Population Research Centre, Dr. M. N. Hazra, Head, Department of Obstetrics and Gynecology, Prof. Madhubahen Shah, Head, Centre for Advanced Studies in Education, Dr. Varsha Anjaria, Reader, Faculty of Social Work, M.S. University of Baroda and Dr. M.E. Khan, Advisor, The Population Council.

Participants stressed the need for raising the age of marriage, especially for girls because of physical, social, psychological and developmental consequences. Importance of proper nutrition, education, vocational training and employment assistance for girls as well as boys was highlighted.

Dr. Malathi Chakravorty, Director of C.A.E. co-ordinated the proceedings of the symposium and welcomed the participants.

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B. All India and Central Services Training Centre

The All India and Civil Services Training Centre conducted the following courses during the academic year 1990-91.

1. Civil Services Preliminary Examination

The training for the I.A.S. Preliminary examination had commended in September, 1990. The batch continued till first week of June, 1991. Out of 40 candidates trained 32 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, 1990. The Centre trained 19 candidates for Examination from September to November. Six of the trained candidates passed the examination.

3. U.P.S.C. Interview Training :

Those candidates who had cleared the I.A.S. Main Examination were trained for the Personality Test and Interview held at Delhi in April-May, 1991. Out of six candidates trained, four qualified and were selected for the Indian Administrative Services.

The following four trainees of this Centre have been declared successful in the U.P.S.C. (I.A.S.) Examination (Personality test) of 1990-91. Out of four, three trainees had offered Gujarati and History as their optional subjects at the main examination. One trainee had offered Marathi and Mathematics as his optional subjects. The total result of the Centre is 66%.

Sr. No.	Name
1.	Shri Bipin P. Shrimali
2.	Shri Ashok R. Parmar
3.	Shri Ravi M. Parmar
4.	Shri Milind V. Nandedkar

C. Computer Centre

During the year 1990-91, the new modern Computer system installed at the Computer Centre, started functioning fully. All the Software that was operational on the old IBM Computer System, was successfully transferred and made operational on the new system.

During the year 1990-91, the staff members at the Computer Centre were Hon. Dy. Director – one, Programmer – one, Computer Operator – two, Data Entry Operator – one, Temporary Data Entry Operator – one, a Head Clerk, a Senior Clerk, Clerk Typist and Cleaner-cum-watchman.

A revised staff structure recommended by University Grants Commission has been adopted and accepted by the Syndicate vide SR No. 2(9) dt. 29/11/90. The Centre plans to appoint appropriate persons as per the revised structure very soon.

The Centre has enhanced its services to the examination section by developing new Computer programs for additional work related to the results processing.

The Centre automised the admissions procedures for the First Year Commerce applicants were around 4000 applications are to be processed for admissions. The same facility can be extended to other faculties where large number of applications are to be processed and a well defined criteria is used for admissions.

The Computer Centre shall start short term courses after the staff strength is adequate as per the revised structure recommended by University Grants Commission.

D. Health Centre

During the year the Health Centre provided general preventive and curative Health Care to the University students, Staff members (Teaching and Non-teaching) and their dependents. The Health Centre also started the services of "MARG" – the counselling centre for the benefit of students community in particular and the youth in general. The centre provides the services of the psychiatrist, psychologist and the psychiatric social workers for prevention of and guidance in the emotional, psychosomatic problems and the problems of drug abuse.

The Centre provided, over and above, free medical treatment the facility of routine laboratory investigations, the Blood Chemistry Tests for assessment of Diabetes mellitus, Liver function tests, Renal function tests and cholesterol etc. During the year 2650 laboratory investigations were done. It also dealt with the immunization facilities in B.C.G., Polio and Triple Vaccines along with measles and 479 vaccinations were given. The services of M.M.R. (Mass Miniature Radiography) was also made available with the help of District T.B. Centre at the S.S.G. Hospital, Baroda. Over and above, the services of domiciliary facilities for Infra red lamp, Hot water bag, Ice bag, bed pan, urine pots etc. were given.

Periodically the drinking water supply in the University campus was checked, the samples were investigated at Public Health Laboratory and necessary preventive measures were taken for the safe drinking water supply in the campus. Also the preventive treatment for Malaria, Worms infestations and water borne diseases were given. Also foreign students were checked and screened for evidence of HIV infection, with the help of AIDS detection centre, Department of Microbiology, B.J. Medical College, Ahmedabad.

During the year the provision of costly drugs like higher antibiotics anti-tubercular drugs, anti-diabetics and anti-hypertensives was also made in the list of drugs dispensed at the Health Centre.

In the year 1990-91 pre-placement medical check up was carried out for 20 teachers and 220 non-teaching employees with the help of Medical Examination Board consisting of experts in the S.S.G. Hospital, Baroda in various specialities.

During the year the attendance of the patients at the Health Centre was 45215 including 35635 employees and their dependents and 9580 students. The amounts of reimbursement of medical expenses including the special allowance for patients suffering from T.B., Cancer etc. was Rs. 1,70,400.52 during the year. The total expenditure for medicine was Rs. 1,99,266.32 during the year 1990-91.

E. General Education Centre

During the year 1990-91 the auditorium canteen, retreat, class rooms and exbition cellar were profitably utilised for conducting cultural, academic, and social activities by differents start of the society including the university departments, faculites and students.

During the year, as many as 145 programmes were held. Among them, there were 112 cultural programmes, 27 meetings and 6 seminars, conferences, synposiums etc. The ancillary facilites of exhibition cellar, Retreat & canteen were taken advantage of by 28 different parties, who had booked the auditorium. Prestigious national and international conferences, seminars, symposia and cultural programmes were held in the auditorium. The organisers also profitably used the exhibition cellar to display literature books and products along with technical details.

The General Education Centre also made arrangements for conducting open recruitment examinations by various corporate agencies such as Railway, Life Insurance Corporation, Bank Recruitment Board & Petrofils. Facilities were also provided for conducting part time evening classes to the Department of Continuing and Adult Education.

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Shrimati Hansa Mehta Library

I. Order Section

Acquisition Notes :

(a) Books :

The University Grants Commission has given the grant of Rs. 5,00,000/- for books and periodicals. The UGC has also given the grant to various Departments of our University for Development and Research Schemes and Special Assistance Programme.

There have been some noteworthy additions during the year viz. Year-Book on India's foreign policy edited by S. Kumar 1982-89 : The Europe World Year Book Vol. 1 and 2. 1990 : International Who's Who, 1990-91 : The Guiness Encyclopedia 1990 : Information Please Almanac, Atlas and Year-Book 1990 : Limca Book of Records, 1991 : The Guiness Book of Records, 1991 edited by D. McFarlan : Study Abroad 1989-91 published by UNESCO : World of Flags : Pictorial History, 1990 by W. Crampton : International Encyclopedia of Communications Vol. 1 to 4, 1989 edited by E. Barnow : The Modern Cyclopedia of Universal Information Vol. 1 to 8, 1990 edited by C. Annandale : Encyclopedia of Indian Woman Vol. 1 to 20, 1990 by S. Kishore : The World Almanac and Book of Facts : 1991 : Directory of Periodicals published in India, 1991 compiled by S. Kaur : The Stateman's Year-Book 1990-91 by J. Paxton : Winston Churchill - An Illustrated Biography by R.G. Grant : Encyclopedic Dictionory of Management Vol. 1 to 10 by P.K. Ghosh : Geographic Dictionary of the world in the Early 20th Century with pronousced Gazatter part 1 and 2 by A. Hoilprin " Encyclopedic Dictionary of Biological Science, Vol. 1 to 6 by K. Narang.

The Number of acquisitions in various institutions of the University are as follows :

	Institutions Number of Books	Number of Books
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)	4,455
2.	Centre of Advanced Study in Education	199
3.	Faculty of Fine Arts	60
4.	M.K. Amin Arts & Science College & College of Commerce, Padra	307

5.	Faculty of Management Studies	327
6.	Faculty of Performing Arts	41
7.	Oriental Institute (Printed Section)	422
8.	Polytechnic	589
9.	Sanskrit Mahavidyalaya	42
10.	Faculty of Social Work	171
11.	Faculty of Technology and Engineering	1,089
	Total	**7,702**

Out of these 1063 were received as Gift.

The following statement gives the details of the books 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	3,63,708	61,938	262	1,196	2,59,58,710.81
2.	Number added during the year	4,455	2,430	1	1	33,62,594.58
3.	Number withdrawn from the records	–	–	–	–	–
4.	Number remaining at the end of the year.	3,68,163	64,360	263	1,197	2,93,21,305.39

(b) Periodicals :

The total number of periodicals and scholarly Journals Subscribed to was 600 and 2430 volumes of bound periodicals were added to the stock.

II. Cataloguing Section

A Book Catalogued and classified during the year

(i)	New accession to University Library	4,455
(ii)	New Accession to Faculty Libraries	3,205
		7,660

B. Bound periodicals Catalogued and Classified 2,430

C.	Catalogues Cards typed and written		
	(i)	University Library	13,365
	(ii)	Faculty Libraries	16,025
D.	Cards filed in public and Union Catalogues		29,390

III. Circulation Section

As the annual examination in various faculties were delayed, the usual timing from 11.00 a.m. to 5.40 p.m. of May and June Vacation period were extended as under :

1.4.1990 to 31.5.1990 Smt. Hansa Mehta Library remained open from 8.00 a.m. to 10.00 p.m. and 8.00 a.m. to 8.00 p.m. from 1.6.1990 to 10.6.1990. From 11.6.1990 to 12.7.1990 8.00 a.m. to 5.40 p.m. and from 13.7.1990 to 13.8.1990 11.00 a.m. to 5.40 p.m. It remained close on Sundays and Holidays in the month of July and August 1990. It remained open from 8.00 a.m. to 8.00 p.m. from 16.8.1990 to 31.8.1990. From 1st Sept. 1990 to March 1991 Library remained open from 8.00 a.m. to 10.00 p.m. including all Sundays and Holidays.

Due to disturbance and curfew in the city sometime timings were changed for few days in the month of September and October 1990 in both libraries because of staff shortage.

The numbr of readers registered in the various catagories were as follows :

1.	Graduates and Post-Graduate Students	5,838
2.	Under-Graduate Students	7,040
3.	Research Scholars, Research Assistants and Ph.D. Students	191
4.	University Teachers	601
5.	Others	318
	Total of Five Categories	**13,988**

The statistics of the use of the Library are as under :

1.	Daily average number of readers visiting the Library			3,572
2.	Total number of books issued per day for reading			1,575
	(a)	Average number of Books issued per day for Home Reading from General Collection	280	
	(b)	Average number of books issued per day from Curricular	193	
	(c)	Average number of books issued per day from Curricular	830	

(d) Avarage number of books issued per day from Curricular Collection of Sir Sayajirao Memorial Trust Library 222

3. Avarage Number of books issued per reader in the year 50

IV. 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 number of activities such as answering qurries of readers personally by correspondence and on phone, providing guidance to students and teachers for the better use of library resources etc.

(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 and the various practices and procedures followed by the library as well as the arrangement of books on the shelves. Other technical devices were also explained to them so that they would be able to make the best use of the library and help themselves in finding out the requisite 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) Kashmir
- (ii) Sir Sayajirao Gaekwad
- (iii) Gulf war
- (iv) Dr. B.R. Ambedkar

(iv) Bibliography Activity :

Bibliographies on the following topics were complied during the period.

(a) A list of books on and by Shri Rabindranath Tagore

(b) Family Planning in India

(c) List of books, pamphlets and disintegrations on Drug Abuse, Addiction, Alcohoholism and their prevention and treatment.

(d) List of books by E.M. Forrster

(e) Bibliography on foresty in India

(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 Third Library Week during the year.

(vii) Theses and Dissertations :

(a) During the period 413 Theses and Dissertations were added to the collection of 5998 bringing the total collection to 6411

(b) During the period, 1440 readers consulted the theses and Dissertations.

(c) A descriptive list of Ph.D. Theses received in the library from January 1990 to December 1990 was published.

(viii) Reference Materials :

During the period, 2499 readers consulted the Reference books and reference materials.

(ix) Pamphlets Collections :

The reference section has a sizable collection of pamphlets. The following statements gives the details of pamplets collection in the library.

(a)	Number at the beginning of the year	18,159
(b)	Number added during the year	250
(c)	Number withdrawn from the record	690
(d)	Number remaining at the end of the year	17,719

(x) Reprographic Unit :

The Xeroxing facility is also made available for taking out the copier 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.

V. Sir Sayajirao Memorial Trust Library (New Library) :

Sir Sayajirao Memorial Trust Library remained open from 8.00 a.m. to 10.00 p.m. from 1.4.1990 to 8.7.1990 due to delay of annual examination. and from 9.7.1990 to 18.11.1990 11.00 a.m. to 5.40 p.m.

From 19.11.1990 to March 1991 remained open from 8.00 a.m. to 10.00 p.m. including all Sundays and Holidays.

Tape Recorder facilites are given to Blind Students in Sir Sayajirao Memorial Trust Library.

The statistics of the use of the library are as under :

(a)	Avarage number of books issued per day from curricular collection	222
(b)	Average number of readers visiting Sir Sayajirao Memorial Trust Library per day	3,598

VI. Publication

A decennial supplement to catalogue of Theses accepted for Ph. D. Degree by the M. S. University of Baroda from January 1976 to December 1985, (Price Rs. 67.50) Complied and edited by Smt. Viruben A. Amin, Offg. University Librarian, has been published in January 1991.

VII. General

Amin Viruben A.

1. was intivited by the Kendriya Vidyalaya, Baroda, to deliver a lecture on the "Use of the Library and increasing the reading habits" on 24th Nov., 1990.

2. Attended 36th All India Library Conference on "Computerisation and Library Network" held at Jodhpur from 26 to 29 December 1990.

3. Attended 3 days' Seminar at Gujarat Vidyapeeth Library, Ahmedabad from 7.3.1991 to 9.3.1991. The subject of the Seminar was "આધુનિક ટેક્નોલોજીના સંદર્ભમાં ગ્રંથાલય-માહિતિ સેવાઓના નૂતન અભિગમો."

4. Is deputed by the Vice-Chancellor to work as a member to constitute "Ranganathan Centenary Celebration Committee."

The M. S. University of Baroda Press

I. Staff

During the year, the staff of the Press consisted of a Manager, a Dy. Manager, an Asstt. Manager, a Head Clerk (Accounts & Store), a clerk, one Head Proof Reader, one Jr. Proof Reader, one copy holder, Two D.T.P. Computer Operators, Two Asstt. D.T.P. Operators. There are 47 permanent workers in the Press.

Under the modernisation & reorganisation plan of the Press & adopting of new techniques several changes in press establishment were made. While some posts have been converted, re-designated & created under the S.R. No. ADM - 99 - VII 41/1064 dated 20.8.1988 & S.R. No. 33 dated 30.11.1989.

II. Machinery

The press has machinery worth Rs. 34,20,734/- including one heavy duty Xerox copier worth Rs. 1,75,625.00 purchased from the Silver Jubilee Dimond Fund for question papers.

III. Printing activities

During the year 206 printed papers, 652 stenciled papers, and 2,412 xerox papers and other question papers of open test were undertaken under conditions of secrecy for the University Examinations. Main Answer Books of the University Examination and Test Answer Books of different Faculties and Institutions were also printed by the Press. The Press also printed senate proceedings details of establishment, Annual Accounts, Budgat Estimate, questionnaires, Magazines, Pampalets, 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 works purely as a service department of the University since April, 1967.

The following is the list of books printed by the Press during the year.

	Name of the Book	Publishers
1.	गंधसार – गंधवाद Royal 8 Vo size	Oriental Institute
2.	Tattvasangraha Vol. II. Royal 8 Vo Size pp. 949 to 1312	Oriental Institute

3.	Pratik Index - II Volume Demy pp. 777 to 880	Oriental Institute
4.	चीतोविनाद काव्यम् Demy pp. 49 to	Oriental Institute
5.	आर्वाचीन संस्कृत साहीत्य pp. 209 to 312	Oriental Institute
6.	Establishment 1990-91 pp. 1 to 96	Account Sections
7.	MSU Budget Estimate 1990-91 pp. 1 to 152	Account Section
8.	40th Annual Report 1988-89	GCU. MSU Office
9.	M.S.U. Diary	Stationery Unit
10.	Morphology Journal pp. 105 to 246	Dept. of Zoology Fac. of Science
11.	ન્યાયકંદલી pp. I to VIII	Oriental Institute
12.	Social Work Review pp. 33 to 41	Faculty of Social Work
13.	સુરભારતી pp. 25 to 56	
14.	Budget Estimate 1991-92 pp. 1 to 152	Account Section
15.	Establishment 1991-92 pp. 1 to 105	Account Section
16.	Annual Accounts 1989-90 pp. 1 to 314	Account Section

In addition we have also printed MSU Diary, MSU Calendar, Souvenir of different faculties and departments.

IV. *The following Journals were also 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 & Physiology (Half yearly) 4. Swadhyaya (Quarterly), 5. PAVO (Half yearly), 6. Social work Review (Yearly), 7. Surbharati (Yearly), 8. M.S.U. News, 9. Baroda Reporter.

V. *University Stationery Unit*

This Unit is service department of the University and is under the supervision and control of the University Press Manager. The Unit purchases and distributes the stationery every quarter to all the Faculties and Institutions and University office. The Unit consists of a Senior Clerk, Clerk, one Rikshaw Driver cum-stationery distributor, one helper and one Pagi. During the year under report, stationery articles worth Rs. 12,14,638.63 were purchased and stationery articles worth Rs. 14,15,632.75 were distributed.

VI. *University Publications Sales Unit*

This Unit is under the control and 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 82,598.18.

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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 interests and welfare of the students of the M.S. university of Baroda.

The Union Executive Committee for the year 1990-91 consisted of the following :

President	:	Prof. O.P. Goyal
Treasurer	:	Dr. Nikhil Desai
Vice-President	:	Shri Lalit T. Patel
Gen. Secretary	:	Shri Suresh P. Rajput

FILM CLUB	:	1.	Shah Ashish Naginlal	- Convener
		2.	Barot Amitkumar J.	
		3.	Surti Devendra C.	
		4.	Shah Vikas P.	
INDOOR-GAME	:	1.	Adhvaryu Ketan Girishbhai	- Convener
		2.	Purohit Haresh S.	
		3.	Thakor Bharat G.	
		4.	Thakor Rakesh S.	
HIKING CLUB	:	1.	Jhala Chaitanyasinh P.	- Convener
		2.	Rana Nilesh Chandulal	
		3.	Kapde Rajesh C.	
		4.	Pathak Vijay D.	
BADMINTON	:	1.	Kotadia Chetan J.	- Convener
		2.	Patel Pankaj M.	
		3.	Shah Umesh S.	
		4.	Kahar Kailash F.	

ENTERTAINMENT	:	1.	Pavra Jayesh B.	- Convener
		2.	Harpale Heemanshu B.	
		3.	Patel Pratikkumar J.	
		4.	Gupta Sanjeevkumar M.	
PUBLIC RELATION	:	1.	Patel Salim Yusufbhai	- Convener
		2.	Joshi Pramodchandra B.	
		3.	Desai Ketankumar V.	
		4.	Udani Pratik M.	
SEMESTER	:	1.	Patel Vipulkumar M.	
		2.	Pradhan Manohar K.	
		3.	Shah Hiteshkumar R.	
		4.	Upadhyay Rashmikant R.	
CAMPUS BEAUTIFICATION	:	1.	Ravat Narendra Ambalal	
		2.	Ukani Tushar Vithalbhai	
		3.	Parikh Hetal Narendra	
		4.	Gandhi Hiteshkumar R.	
DEBATE & U.N.O.	:	1.	Satyanarayan Ramaiah	- Convener
		2.	Patel Pankaj D.	

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 Kahar Santosh Ranchhodbhai
2. Shri Kahar Dinesh Narayanbhai

I. UNIVERSITY BOARD OF SPORTS

1.	Prof. O.P. Goyal	-	President
2.	Shri Lalit T. Patel	-	Vice-President
3.	Shri Suresh P. Rajput	-	Gen.-Secretary
4.	Two student representatives	-	Not nominated from the Executive Committee for 1990-91.

II. The General Elections were held on Friday the 5.10.1990. 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 Friday the 12.10.1990 and the budget meeting was held on Wednesday the 21.11.1990. The budget for 1990-91 was presented by Treasurer Dr. Nikhil Desai and it was passed unanimously.

This year M.S. University Union has organised the Youth Festivel, Fun-fair, and Rock-show. We have also organised Inter Faculty Cultural Competition, Musical Night programme in the youth festival programme. Debates in different languages and Fun competition were organized very successfuly this year.

The organising committee of the Students Youth Festival organized the following games and sports from 11.3.1991.

1.	Athletics	7.	Foot-Ball
2.	Basket Ball	8.	Hockey
3.	Badminton	9.	Tennis
4.	Carrom	10.	Table Tennis
5.	Chess	11.	Volly Ball
6.	Cricket	12.	Swimming

A Festival Cricket match was held between the Executive Committee of the Union and Teachers of the University.

The Union presented many problems of the students to the University authorities and got them solved by peaceful manner without resorting to any agitation. The table tennis and badminton activities of the Union continued with the help of teacher in-charge Shri M.R. Vyas and Kum. Jayshreeben Mehta respectively.

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A. Halls of Residence

The number of resident students admitted to the Halls of Residence during the current year is shown in Appendix V.

Prof. D.M. Shringarpure took over the charge as Chief Warden from Prof. H.V. Bhavnani and Dr. Shashi Kanta Tuteja as Deputy Chief Warden from Prof. (Ms.) Tara Mehta.

A number of Wardens and Superintendents relinquished their posts and new appointments were made. Dr. R.G. Paniker, Prof. H.G. Rajput, Shri N.K. Somani, Shri S.S. Patel, Shri N.N. Surana, and Ms. H.G. Shah were relieved of their charge. Dr. K.C. Tiwari (Shri K.M. Munshi Hall), Dr. N.L. Singh (Shri Sardar Patel Hall), Dr. S. Patnaik (Dr. Nusservanji Vakil Hall), Dr. B.L. Raina (Shri Manubhai Mehta Hall), Shri S.K. Kushwaha (Shri Rabindranath Tagore Hall), Shri Rajgopalan (Shri Maharshi Visvesaria hall) Smt. M.S. Sharma (Smt. Pandita Gargi Hall) took over the charge of halls mentioned against their name.

Three members' Smt. D.M. Helaiya, Shri R.R. Nirmal and Smt. Y.A. Dave of the staff of Halls of Residence got promotion as Senior Clerks.

As per earlier suggestions and decisions, by the advisory committees and in order to facilitate students, student Centres have been constructed. Provisions like stationary and toilettery items, typing and xeroxing facility and snack bar of bakery products and facility of washerman have been planned and soon places will be alloted in the centre. The vehicle stand is also ready and contract will be given soon.

In the previous year, 4 ladies hostel were fitted with generators. During the current year this facility has been extended to four boys, hostels (Maharshi Arvind Hall, Manubhai Mehta Hall, Jivraj Mehta Hall and T.K. Gajjar Hall). Planning of the extension of same for other halls is being done.

The advisory Committee meetings for boys and ladies hostels were held under the Chairmanship of Prof. V.C. Shah. Problems arising due to extra rush of students to be admitted to the halls of residence, slums around the hostels, water shortage, repeated failure of electricity were discussed. It was suggested that security arrangements shall be strengthened to solve problems like theft etc. due to slum dewellers.

A meeting of all the Deans of the faculties was convened to discuss and resolve the problem arising due to heavy admission. All Deans agreed to (1) forward applications forms with due priority list of their faculty (2) to convince residents about the shortage in the availability of the accomodation.

Proposal has been submitted to acquire N.C.C. Building located in the ladies hostel campus. This would enable the Chief Warden to lessen the burden slightly. Moreover, authorities are urged to expedite the expansion work of Smt. Kasturba Gandhi Hall. Proposal for cots is submitted so that additional partners at least can be provided with cot.

As a part of cultural activities, several activities were organised independently in individual halls. After a lapse of few years "Garba Festival" was organised at the Ladies Hostel Campus. The occassion was graced by university officials as well as city dignitaries.

B. 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 Higher Education, Government of Gujarat. The major objectives of the programme 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 to 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, and 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 consistes of a Programme Coordinator, a Field Organiser, fourteen Programme Officers, 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.	Programme Coordinator	Secretary
4.	The Registrar, 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, Baroda	Member
9.	The Municipal Commissioner or his Representative - Director, Urban - Community Development Project - Vadodara Municpal Corporation, Vadodara - 1.	Member
10.	Assistant Programme Adviser, Government of India Department of Youth Affairs & Sports, NSS Regional Centre, 2, Amul Society, Paladi, Ahmedabad.	Member
11.	Special Officer NSS, Directorate of Higher Education Gujarat State, Gandhinagar.	Member
12.	The Dean, Faculty of Commerce	Member
13.	The Dean, Faculty of Arts	Member
14.	The Dean, Faculty of Home Science	Member
15.	Three Representatives by rotation invitation from amongst Programme Officer and Senior Volunteers who have shown sincerity and dedication in developing the NSS Programme constructively on the recommendations of the Programme Coordinator.	Members
16.		
17.		

18. Two Higher Secondary School Principals Having NSS Units to be invited by rotation as per the recommendations of the Programme Coordinator. — Members
19.

Activity Approach :

National Service Scheme, M. S. University of Baroda has adopted approach of planning its activities in tune with directives of the government. The focus of NSS was the development of personality of student youth in institutions of higher learning, through community service during their leisure time during the year and vacations. While planning the NSS programmes the review of NSS and evaluation conducted from time to time, its observations and recommendations were taken into account. The interests of the student volunteers, needs of the community, availability of time and mobilisation of the resources were major considerations in NSS programme planning.

The M. S. University of Baroda has emphasized on involvement of student in three major areas. The major components of the NSS programme includes National Literacy Mission Project of MPFL, Special Camping Programme and Regular Social Service Activities in urban and rural areas and institutions. All volunteers who associated themselves with NSS were exposed to the realities of life through NSS programme. The character building and development of personality of students through community service has been focussed by involving students in planning, implementing and evaluation of the programmes. The approach of designing service projects on the basis of students and community participation was adopted.

The post-graduate volunteers of NSS from Faculty of Social Work were involved in services rendering projects in rural areas. As a part of field work programmes they were assigned to organise campaigns with a view to providing them leadership role. The expertise of social work teaching staff and students was utilised for programme development while celebrating national festivals which in turn has given boost to the field work programmes of social work student in selected villages.

The under graduate student volunteers of NSS were involved in the social service programmes 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 toward 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 interest wise 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, as a part of International Literacy year - 1990.

(b) Suitable involvement of NSS student in youth programmes of Government of Gujarat & India.

(c) Participation of NSS volunteers in the Environment Improvement programmes sponsored by Government & voluntary agencies i.e. SOCLEEN, INSONA, YOUTH COUNCIL, COMMUNITY SCIENCE CENTRE etc.

(d) Participation of NSS volunteers in the programmes of improving status of Women.

(e) Participation of NSS volunteers in the programmes by Social Defence Department & Voluntary Agencies.

(f) Promotion of family welfare and population education Programmes.

(g) Stress on character building activities.

(h) Participation of NSS volunteers in promoting physical fitness & Adventure activities.

(i) Promotion of National Integration and Cultural Activities.

(j) Participation of NSS volunteers in Nation Building projects.

(k) Participation of NSS volunteers in Special Camping Programme involving the community in the campaign of Mass Literacy and mobilisation of the local resources for the purpose.

(l) Building potential youth leaders by discovering the talent among the campers, both students as well as local youth, with a view to getting them intimately involved in developmental programmes for a longer period for ensuring proper maintenance of the assests created during the conduct of the camp.

(m) Providing opportunity to students to play their roles in implementation of various developmental programmes by planning and executing projects which not only help in creating durable community assets in rural areas and urban slums, but also result in improvement of the conditions of life of the economically and social weaker sections of the community.

(n) Emphasing the dignity of labour and self-help and combining the process of national development and promoting national integration through cooperate living and co-operative action.

(o) Encouraging the students and non-students to work side by side along with adults in rural areas thereby developing their character, social consciousness and commitment, discipline and healthy and helpful attitude towards the community around.

Enrolment :

National Service Scheme, M. S. University of Baroda has enrolled 1000 students for regular activities for the year 1990-91. These students have been enrolled from different Faculties & Institutions of the University. The Institutions & sexwise details are as under :

Sr. No.	Name of the Faculty/Institution	Male	Female	Total
1.	Faculty of Arts	118	102	220
2.	Faculty of Commerce	143	127	270
3.	Faculty of Fine Arts	19	14	33
4.	Faculty of Home Science	-	34	34
5.	Faculty of Performing Arts	50	30	80
6.	Polytechnic College	42	02	44
7.	Faculty of Science	04	27	31
8.	Faculty of Social Work	12	20	32
9.	Faculty of Technology & Engineering	10	07	17
10.	Faculty of Medicine	57	53	110
11.	University Experimental School	56	36	92
12.	Padra College	20	17	37
	TOTAL	**528**	**472**	**1000**

The enrolment campaign was centrally organised with the help of Field Organiser, Programme Officers, and Senior Volunteers. They visited different faculties and Institutions for sharing information about NSS. This resulted in completing the enrolment strength of 1000 students for M. S. University of Baroda.

Orientation & Activities :

In view of the International Literacy Year the preparation for regular activities began in the first week of June 1990 with identification of 15 male & 5 female senior volunteers for leadership training programme. The major focus during the training programme was to develop the skill of reaching our masses for Literacy Campaign. The training of leadership was imparted to the participants for preparing them to shoulder the responsibility of Youth for Literacy Campaign & various service Projects of NSS. The services of these trained volunteers were utilised for launching Enrolment drive for new volunteers. The orientation meeting were organised at NSS Campus. The Orientation programme included general and specific theme orientation followed by orientation visits to agencies. In all 37 sessions orienting various groups of students were organised with the emphasis on Youth's participation in developmental activities for peaceful co-existance.

Details of the Orientation Visits to Social Service Agencies

Sr. No.	Name of the Agency	No. of Visitis	Participants		Total
			Male	Female	
1.	Hospital for Mental Health	1	7	10	17
2.	Home for Mentally Deficient Children	3	37	42	79
3.	Home for Crippled Children	4	53	47	100
4.	School for Blind Children	4	45	43	88
5.	Observation Home for Girls	3	11	44	55
6.	Observation Home for Boys	4	65	61	126
7.	Juvenile Home	1	9	9	18
8.	S.S.G. Hospital	5	69	57	126
	TOTAL	**25**	**296**	**314**	**610**

The involvement of youth in festival celebration is essential from the prespectives of Indian culture. The activities of the year began with the celebration of Raksha Bandhan Day on 6th August 1990, involving 25 female volunteers expressing their concern for neglected section of the society. The programme was organised for the inmates of Social Defence Agencies such as Home for Crippled, After Care Hostel, Juvenile Home, Observation Home for Boys, School for Blind, Home for Mentally Deficient and Hospital for Mental Health. The inmates of these agencies need love and affection from the Society. NSS volunteers tied Rakhis to 500 inmates, distributed sweets and presented cultural programme befitting the occassion.

The Independence Day Programme on 15.8.1990 was planned reflecting the participation of student volunteers and Social Service Agencies. The flag hoisting ceremonies were organised at different Social Defence Department Agencies. Drawing competition on the theme of National Integration was organised at the After Care Hostel. Campus cleaning and social work demonstrating dignity of labour in the student community was another important activity of the year. The watering of the planted trees continued regularly under the guidance of Shri D.B. Dewaskar, Programme Officer, NSS.

United Nations had declared 1990 as the International Literacy year and in our country it had been formally launched by the Hon'ble Prime Minister on 22nd January 1990. Education and Development are two sides of one coin. Youth has to play significant role in the nation's development by increasing awareness amongst masses. National Literacy Mission and MPFL activities have greater relevance for NSS programme. In order to reinforce this Campaign International Literacy - Day - 8th September 1990 and Literacy Week Celebrations assumed special place in the NSS programmes. As per the directives of the government the week 8th-14th September, 1990 was celebrated as Literacy Week. The international Literacy Day 8th September 1990 was marked by the inaugation of Literacy Week Programme. NSS volunteers were oriented to the philosophy of Literacy Mission. The students could understand the intensity of the problem

when they know the facts about literacy percentage in India, its relevance with exploitation and poverty. The students showed much interest in the various activities of NSS more specifically literacy programmes. 80 male and 40 female volunteers took pledge to dedicate themselves for the cause of literacy promotion programme.

On 9th September 1990 Literacy Awareness Camp was organised at VTK Institute of Rural Development, Samiyala, one of the adopted villages of NSS. 15 male and 14 female volunteers were oriented about the rural life, the low economic standards of the rural poor. The volunteers demonstrated the sense of dignity of labour by soiling trees and cleaning the campus. The volunteers have prepared various educational aids for use in the rural literacy campaign. A Drawing Competition was also organised by the NSS volunteers at the Home for Mentally Deficient Children. 18 participants could take benifit of this programme which was a rare occasion for them to participate in such competition.

On 11th September 1990 Literacy Awareness, Health Education and Medical Services Programmes were organised at village Gokulpura. The volunteers have initated the work of baseline survey of health, socio-economic, and literacy aspects of the villagers. They continued their work during their fortnightly visits during the year. The findings of this survey were useful in starting fortnightly clinic at village Gokulpura with the help of Baroda Medical Colege. Dr. P.V. Kotecha provided the leadership for the medical Check-up and treatment programmes which was followed by literacy awareness Campaign in the village. 17 male and 13 female students have rendered their services in the organisation of programme.

Literacy Slogan Writting and Poster Campaign was organised at village Bil with the help of 11 male and 7 female volunteers on 12th September 1990. A gram sabha was convened by the volunteers to explain and discuss importance of literacy in day to day life. The village people who were able to read and write were much interested in knowing and understanding the contents of the slogans and posters.

A Walk for Literacy Mission was organised at village Kalali by 15 male and 5 female volunteers on 13th September, 1990. They conveyed the message of literacy through slogans and posters to create awareness.

Drawing and Poster Competition on the theme of Literacy was organised at NSS campus and Observation Home for Boys and Girls on 14th September 1990. In all 47 female and 25 male participants have demonsrated their creative abilities.

Literacy Exhibition was organised during 15th - 16th September 1990 at NSS Campus. Thus the weeklong programme of Literacy Week Celebrations was instrumental in involving approximately 312 NSS volunteers in Literacy awareness programme spreading the message of significance of literacy to more than 7500 people in and around Baroda through various NSS activities.

An Orientation Programme for the celebration of Communal Harmony Month in October 1990 was organised with joint collaboration of NSS, M. S. University of Baroda, Nehru Yuva Kendra Sangathan, West Zone and Gandhi Smruti & Darshan Samiti, New Delhi on 26th September 1990

at NSS Campus, Baroda. 48 participants benifited from the programme. Sarva-Dharma Prarthana, addressed by experts and discussions "Gandhian Idealogy, Communal Harmony and National Integration" included major content of the programme meant for the NSS/NYK resource persons. Shri Jagdish Shah, Gujarat Sarvoday Mandal, Shri Natwarlal Patel, Surchi Chhapshala, Bardoli, Ms. Savita Singh, Gandhi Smruti, New Delhi, Shri Sasan, Regional Co-ordinator, NYK, Delhi, Shri Joshiara, Regional Co-ordinator NYK, Gujarat, Shri J. Joseph, Director NYK, West Zone, Baroda and Shri Anil Navale, Programme Co-ordinator NSS, M. S. University of Baroda worked as resource persons for the orientation programme.

NSS was launched in the Gandhi Centenary Year i.e. 1969 with an objective of linking the campus with the community and promoting Gandhian ideology of national integration and personality development among the students. Gandhi Smruti and Darshan Samiti has decided to observe October 1990 as the Communal Harmony Month throughout the country with the collaboration of NSS, NYK and such like-minded youth organisation. NSS, M. S. University of Baroda planned and implemented variety of programmes commencing from Gandhi Jayanti Day i.e. 2nd October 1990. The programme began with Mass-Prayer, Peace & Literacy Pledge by 230 Male and 198 female volunteers at NSS Campus. NSS volunteers have presented cultural programme at Observation Home for Boys. They distributed a pair of clothes each for 70 inmates of the institution, presented by Shri Kamal Arora, alumni of the university. A workshop of Man and Environment was also organised at NSS Campus as a part of Wildlife Week programmes, involving 152 participants.

On 4th October 1990 Peace March with Play Cards on constructive programmes of Mahatma Gandhi was organised at village Bil. 30 male and 20 femal volunteers have participated in the programme educating 2000 village people on the theme of Communcal Harmony, Prohibition, Dowry and Literacy Campaign. Another group of 25 male and 15 female volunteers participated in National Integration March at Village Kalali spreading the message of Mahatma Gandhi to 1850 village population.

Prabhat Pheri and Gram Safai Abhiyan was launched at village Gokulpura involving 60 male and 40 female volunteers on 5th October 1990. Prayer Meet of 1500 village people was also organised with addresses from Resource Persons on Gandhian Thought.

Baroda city was caught up in the flames of communal riots. There were instances of stabbing disturbing the peace of the city. Smt. Aruna Mehta, Syndicate Member and Shri Anil Navale, Programme Coordinator, NSS joined the relay fast at Nisarga-Upchar Kendra, Vinoba Ashram Baroda and organised prayer meeting at Mahatma Gandhi Nagar Gruh appealing to people for peace in the city.

An exhibition on the life of Mahatma Gandhi was organised at NSS Campus from 2nd to 7th October 1990. Large number of School and University youth attended this exhibition.

In addition to the above, three consecutive camps were organised from 6th to 16th October, 1990, 23rd October to 2nd November 1990 and 2nd to 12th November 1990 focussing on Gandhian thought on National Integration and Literacy Mission at villages Samiyala, Gokulpura, and Laxmipura involving 86 male 53 female volunteers. The volunteers were instrumental in

spreading the message of Mahatma Gandhi to 5000 village population alongwith their ususal Camping Projects.

SAARC countries had announced 1990 as the Year for the Girl Child. In view of the Year for the Girl Child participation of women students in various regular activities and in Special Camping Programme was encourgaed. The seminar and group discussions focussing on role of women in development activities, were organised. A Symposium on 'Participation of NSS in the Programmes Year for Female Child' was organised at NSS Campus on 29th September 1990 involving 150 female and 125 male volunteers.

8th March, 1990 was celebrated as Women's Day Programme. A group of volunteers participated in programmes to improve status of women and their role in nation building. The female volunteers also participated in cultural programme in the city.

March 17, 1991 was celebrated as World Disabled Day. Programme Coordinator, NSS and a group of selected volunteers participated in the Rally of Disabled person in the city of Baroda.

A group of selected trained volunteers formed 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 444 persons got benefit of the medical check-up at normal rates. 287 pairs of spactacles were distributed to needy persons at subsidised rates 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) Literacy & Awareness Campaign Project (2) Institutional Activity Project (3) Village-Development Project (4) Slum Improvement Project (5) Creative Activity Project (6) Home Science & Family Education Project (7) Construction & Craft Project (8) Health Service Project (9) Hospital Service Project (10) Cultural Activity Project & (11) NSS Experimental School Project. The Faculty of Social Work student volunteers invested their time and provided better platform to fresh volunteers for social service.

1. Literacy and Awareness Campaign Project :

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 school & college were motivated and convinced to participate in the project. Eradication of illiteracy has been one of the 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. The student volunteers organised talks, exhibitions, film shows, cultural programmes & one to one contact sessions for the creation of environment for the rural and urban masses to understand the significance of literacy. During the year 208 male & 190 female volunteers were assoicated with the literacy project in 4 villages, Samiyala, Gokulpura, Chhapriya and Laxmipura and slum pockets in Baroda through week-end Camps and bi-weekly meetings with the learners.

2. Institutional Activity Project :

Baroda city has a net work of Social Welfare Agencies. Many of these agencies have been providing adequate institutional care and vocational training for the inmates. All these agencies, however, have been constantly failing to get voluntary services to conduct recreational, play centre and educational programmes for the inmates, which they cannot concentrate upon, primarily because of the inadequency of staff.

The student volunteers opting to work for Institutional Service are oriented about the agency functioning and 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 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 book in Braille Script. The student volunteers associated themselves with forty social service agencies of Baroda.

3. Village Development Project :

During the year the major emphasis was laid on the projects of National Literacy Mission. The volunteers 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 projects during the week–end camps.

A group of villages was selected in the vicinity of Baroda city, for the placement of the students under this project. Every Sunday, a batch of students visited the village and participate in the activities which were planned through their involvement, in a meeting that proceeded the vistit. The activities were in the areas of Education, Health Education and Care, Youth and Women Welfare and Celebrations of National and Religious Festivals. The student volunteers, through their participation in the activities, got an educative exposure to the realities of rural life and the problems of the people, and in turn, they helped the people in identifying some of thie problems and needs. Social Service programmes of educational importance and seeking community's participation were organised. The emphasis, was 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 8 villages namely Bil, Kalali, Chapad, Samiyala, Laxmipura, Sangma, Gokulpura and Chhapariya during the year 1990-91. The industrial houses, Local Self Governments and voluntary agencies managed the follow-ups.

4. Slum Improvement Project :

The students were involved in initiating/conducting pre-school and adult education programmes, in conducting health surveys and health education and sanitation campaigns, and in initiating and activising youth and women associations. The strategies of organising people around issues

related to their development and problems, were adopted and focused in this project. Play centres, recreation clubs and similar other activities were initiated and conducted for specific target groups in the slums for achieving development goals.

These projects were launched in selected slums in Baroda city, in collaboration with Urban Community Development Project of Baroda Muncipal Corporation, Shramik Vidyapith, Youth Council, GEDA, Community Science Centre, SOCLEEN and other voluntary agencies in Baroda. The NSS student volunteers were involved in real execution of the projects and efforts were directed to make the involvement of the students in the programmes a learning experience leading to the personality enrichment.

5. Creative Activity Project :

The creative Activity Project was aimed at developing abilites of individuals with their involvement and interest in creative work. The expertise of the Fine Arts Faculty was utilised for developing hobbies like thread designing, blot designing, blow designing, paper marbling, tie & dye, rubbing, soda-straw structures, paper matting, stencil-printing, finger painting, etc. Volunteers were given direction by the experts & the creation was an ecnouraging force for the volunteers. They developed interest and acquired knowledge in the various hobbies and utilised their skills & knowledge for the cause of social service in different neighbouhoods & Institutions such as :

1. Shri Krishna Hindi Vidyalaya
2. Shri Pratap High Schhol
3. Jeevan Sadhana School
4. Shreyas Vidyalaya
5. Arya Kanya Mahavidyalaya
6. Vidyakunj High School
7. University Experimental School

The Principals of the schools gave very encouraging certificates to the volunteers. The Project's volunteers helped in decorating NSS campus during the Youth Week Celebrations. They independently designed and painted the facade of the dias.

6. Home Science & Family Life Education Project :

This project is mainly for the students of Faculty of Home Science. It has been specially 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 assist the social service agencies for organising welfare programmes for needy people This group of 34 female volunteers regularly worked on the awareness campaign about income suppliment activites, vitaminised recipe making, women education and development.

In addition to the above, the volunteers of this group participated actively in Antar Bharati Environment Protection & National Integration Camp at Kevadia. The recipe demostrations programmes were organised at villages Gokulpura and Bil. They also work at Pensionpura Slum Pocket for Literacy promotion programme. Nutrition education and importance of balanced diet in human life was major focus of the programme. They also participated in the two-week training programme for First-Aid, organised in collaboration with the Medical College Baroda.

7. Construction & Craft Project :

The activities of this project largely benifited the students of Engineering Discipline. This project links the scientific knowledge & social service for the development of the community. The project signifying dignity of labour and involvement of youth were evolved. The student volunteers were involved in manual work project of diging pits for tree plantation, soil work in the campus, Sayaji Garden, Arwind Baug, Fatehgunj, Drug Laboratory Compound, Forest nursery along with beautification. The volunteers were also oriented to the use of science for our society through technical visits of important institution and organising exhibitions. The volunteers visitied :

1. Arwind Ashram
2. Juvenile Home
3. School for Blinds
4. Gujarat Engineering Research Institute
5. Food & Drug Laboratory, Baroda.

The volunteers rendered help in Drawing Competition, Science Quiz Competition and Science Exhibition organised by Community Science Centre, Baroda at NSS Campus.

8. Health Service Project :

This project is aimed at providing health service to needy patients. The volunteers of Medical College were enrolled in this project while services of volunteers of other faculties were utilised for organisational purposes. They organised Diagnostic Camps at village Gokulpura. They were also involved in management of mobile health project at village Gokulpura. They treated the patients with the drugs from Medical College, SSG Hospital and Drug Collection Campaigns. The services of doctors in managing monthly clinic were highly appreciated by the village people. They also assisted in the organisation of First-Aid training programme for the students of Home Science Faculty.

9. Hospital Service Project :

This project is aimed at providing hospital services to needy patients. 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 admitted to the S.S.G. Hospital on the prescription of the doctors. In addition, 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. Besides this the volunteers were involved in group discussions, slide shows, video shows, and documentries regarding social evils, health problmes etc. The contribution of this project in the field of health is remarkable.

10. Cultural Activity Project :

Education through Entertainment was the approach adopted by the volunteers of this project. The activities of this project mainly focussed on Mass Education by performing art talents. NSS 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. Efforts were put in regularly for street plays, folk dances, folk dramas, mime, group songs, etc. centred round the theme of social significance. They presented programmes on specific themes in social service agencies & villages. The activities were very useful in establishimg report with the people to participate in various other activities. These programmes were also used for the creation of environment for National Literacy Mission in rural areas and slums.

11. NSS-Experimental School Project :

The students of University Experimental School, Higher-Secondary Unit were enrolled as NSS volunteers. The volunteers participated actively in the Youth for Mass Literacy Campaign at village Samiyala. They organised clothes Collection Campaign in Karelibaug and Alkapuri areas of Baroda. They collected approximately 5000 clothes and distributed the same to the leper inmates of Shram Mandir Trust, Sindhrot. The volunteers also organised Toy Collection programme for distributing the same to the children of needy and poor families.

SPECIAL PROGRAMMES

1. Yuva Chetana Training Programme :

Kamlashankar Pandya Foundation, Vadodara, Institution of Youth Affairs and Social Development and National Service Scheme, M. S. University of Baroda jointly collaborated for the organisation of Yuva Chetana Training, Programme on 15th December, 1990 at NSS Campus. Shri Natwarbhai Bhatt, noted educationist, inaugurated the programme. Dr. B.G. Desai, welknown thinker and educationist, presided over the valedictory function. The programme was aimed at training youth for democracy, secularism and enlightened citizenship. The training programme included lectures by experts on the subjects Women Awareness and Development its past and future, Leadership Qualities and Skills, Students and morality, Indian Economic Scene - facts and possibilites. Dr. Sudhaben Pandya, Dr. Varshaben Anjaria, Prof. Harsiddh Joshi, and Principal Sureshbhai Patel presented their views followed by interesting discussion by the praticipants. The programme was directed by Sarwashri Nitin Vyas and Anil Navale and attended by 110 males and 120 females participants.

2. Celebration of Youth Week Programes :

National Service Scheme, M. S. University of Baroda has planned Youth Week Programmes as per the guidelines of the Ministry. On 12th January 1991 - Youth Day and Youth Week programme was inagurated by Prof. S.D. Sabnis, Dean, Faculty of Science and Ag. Vice-Chancellor, M. S. University of Baroda. Shri S.B. Saxena, Dean Faculty of Social Work presided over the function. The programme Coordinator presented the significance of Youth Day - birth day of Swami Vivekananda and his contribution to build India. This was followed by a seminar on Role of Women in Development. Around 200 female and 150 male participants attended the programme.

On 13th January, 1991 Cultural Day was observed with presentation of cultural programme at Social Defence Department Agencies Pensionpura Complex. Socio-cultural programme of Street Play demostration was organised at village Gokulpura, involving 40 male volunteers and 25 female volunteers of the university.

On 14th January 1991 Participation Day, Kite distribution programme for needy and poor children of Pensionpura and Diwalipura was organised. NSS volunteers contributed their mite through kite collection. They also donated money for the purchase of threads for kite flying. Poor slum children enjoyed the Kite Flying festival with the help from NSS volunteers. 13 female & 4 male volunteers participated in the programme. An exhibition on NSS activities and Population Education was organised at NSS Campus. 9 Female and 2 male volunteers participated in the Recipe Demonstration Programme organised by Home Science Students at village Gokulpura.

On 15th January 1991 Social Service Day Pollution Prevention & Environment Education Camp was organised at village Sindhrot on the bank of Mahi river. 28 female volunteers and 12 male volunteers have attended the programme. They also paid visit to Shram Mandir Trust Campus - a Leprocy Rehabilitation Project.

On 16th January 1991 Physical Fitness Day was marked with the organisation of Sports Competition for School Children and Health Education Programme at Pensionpura Slum and Juvenile Home, Baroda involving 22 female and 4 male volunteers.

On 17th January 1991 Youth for Peace Day was marked by the participation of NSS volunteers in a Discussion on nation building projects, involving 66 participants.

Skill Development Day, 18th January 1991 was marked with the organisation of Essary Competition and Drawing Competition on Literacy Mission at NSS Campus. It was followed by Debate Competition on 'Environment Protection is the responsibility of Government and Society.' 39 male volunteers and 38 female volunteers participated in the programme.

19th January 1991 - Awareness Day was celebrated with the involvement of NSS volunteers and parents and invited guests. It was followed by velidictory function. The total activity report of the good work done by NSS volunteers was presented to the audience. Shri Jayendrabhai Shah, Senate member, M. S. University of Baroda, presented prizes to the participants of the programme. The cultural programme involving NSS volunteers on activities of National Integration, Education and Social Development was presented through the meidum of Performing Arts. The programme was attended by 400 persons.

3. Youth Convention :

Institute of Youth Affairs & Social Development and National Service Scheme, M. S. University of Baroda collaborated in the organisation of YOUTH CONVENTION sponsored by Ramkrishna-Vivekanand Kendra, Vadodara on 17th January, 1991. The convention was inaugurated by Dr. Mrunalinidevi Puar, Chancellor, M. S University of Baroda. Swamishri Nikhileshwaranandji of Ramkrishna Ashram, Rajkot was the chief guest of the function. The theme of the youth convention was Swami Vivekananda's idea of youth invclvement in National Reconstruction. The Convention had by 150 male and 130 female participants.

Dr. Indiraben Patel, Dr. Bhaskarbhai Desai, Dr. Vishnuprasadji, Dr. Geetaben Bajpeyee, and Dr. Jaidev Jani worked as resource persons and presented their views on Vivekanada and youth awakening, Youth-yoga & Meditation, Swami Vivekanad and freedom movement, Practical Vedant, and Swamiji's message to youth. The velidictory function was chaired by Shri Nanalal Chokshi, First mayor of Baroda Muncipal Corporation & Syndicate Member, M. S. University of Baroda.

4. NSS Volunteers at Republic Day Celebration at New Delhi :

Participation of NSS volunteers in the Republic Day Celebrations is a significant event. Sixteen student volunteers from Gujart were selected. Kum. Maitreyee Vyas and Shri Atharhasan Saiyed, students of Faculty of Education & Psychology & Faculty of Arts 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.

5. Youth for popularisation of Science in Community :

The Community science Centre, Baroda and National Service Scheme, M. S. University of Baroda, organised Drawing Competition for School Children at NSS Campus on 10th February 1991. Around 459 Children from 50 schools participated in the programme. The theme of Drawing Competition was conservation of Energy. The drawings reflected the involvement of parents in encouraging youth for creative imagination. *'Science Quiz'* Competition was also organised at NSS Campus on 3rd March 1991 giving platform to 125 participants for testing their knowledge of science and its use tc society.

6. Environment Education Project :

Environment Education Project was started with the spnsoreship of Youth Council, Baroda, a registered voluntary organisation working in the fields of Education, Health & Welfare. 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 media such as film shows, lectures from experts, Field visits, orientation camps, workshops, exhibitions, competitions etc.

The activities of Environment Education Project started on Environment Day - 5th June 1990 with Group discussion on Citizens' Responsibility in Environment Protection. It was followed by

distribution of literature prepared for the cuase of Environment Education. Nature Education Excursion was organised at Zandeswar in Narukot Forest of Panchmahals, District, involving 70 male and 7 female participants on 12th August 1990.

Nature Education Camp was organised at Bardipada Forest of Dangs District from 16th August to 19th August 1990. The participants included 76 female students and 4 teachers from Convent School of Baroda. The participants had an excellent opportunity to be with the nature, enjoy flora and fauna and wild life of Dang Forest.

A Workshop on Man and Energy was organised at NSS Campus from 8th December to 13th December, involving 110 male, 207 female pupils & 10 teachers from six Schools of Baroda. The programme was organised with the active support of Gujarat Energy Development Agency, Baroda. The participating Schools included Lalbahadoor Shastri Vidyalaya, Alembic School, New Era Girls School, Pratap School, University Experimental School and Shreyas School.

Man and Environment Workshop sponsored by Gujarat Pollution Control Board, Gandhinagar was organised at NSS Campus from 18th February to 22nd February 1991. The Workshop was organised to inculcate a sense of preserving environment for mankind. Five Schools i.e. Navyug Vidyalaya, Jivan Sadhana School, Bright School, M.C. High School and Corporation School Children participated in the programme. 302 male, 236 female participants and 17 teachers actively involved themselves in the discussion of environment.

A Workshop on Energy Conservation in Domestic Sector for rural Women was organised in five villages i.e. Bil, Gokulpura, Jaspur, Darapura, and Sejakuwa of Baroda District from 24th Feb. to 28th Feb., 1991. There were 332 participants from Mahila Mandals of the five villages. They were orientated towards energy conservation and its significance for human life.

Thus Environment Education Project has involved 1876 participants in various programmes of preserving the Environment.

7. Faculty of Social Work : Gandhi Jayanti & Youth Week Programmes :

The strategy of Social Work intervention was evolved in consultation with the Dean, Hed of the Department and teaching staff of the faculty of Social Work, as a part of their Field Work Training. Faculty of Social Work students of Jr. M.S.W. Class are enrolled as NSS volunteers. They are involved in action orientated programmes in Rural Areas & Urban Social Service Agencies for their field work thrice a week on every Tuesday, Thursday & 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 Supplimentation 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. Lectures - Preaching of Swami Vivekanand
5. Cultural Programme
6. Essay Competition
7. Receipe Competition
8. Awareness March
9. Drawing Competition
10. Puppet Show
11. Sports Competition
12. Village Cleanliness Campaign
13. Community Sining
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 Supplimentation Demonstration
22. Craft Learning
23. Smokeless Chula Demonstration
24. Consumer Education
25. Exhibition on Life of Swami Vivekanand

Over and above, 767 students participated in 35 One Day Camp organized in a variety of subject areas at different places.

The National Service Scheme, M. S. University of Baroda provided an opportunity to 415 voluteers for participation in the 10 days camp under the Campaign of Youth For Mass Literacy 1990. The projects undertaken in the camps were National Literacy Mission, Afforestation, Tree Plantation & National Integration.

National Integration and Environment Protection Camp at Kevadia provided unique experience 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 youth in the projects of National Integration and greening the mountain around Narmada Dam Site. The Baroda University campes assisted the organisation in project planning, transport arrangements, food, accomodation, finance management. The services of NSS M.S. University of Baroda volunteers were appreciated by one and all.

In addition to the above, 35 One Day Camps have given exposure to 767 NSS volunteers for Village Development work. Around 25 volunteers participated actively in the organisation of Medical Check-up Programme at 9 different places. 444 people benifitted from the above medicacl check-up programme. Thus Special Camping Programme and other Camps provided opportunity to 1182 volunteers for participation in the Literacy and Rural Recinstruction 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 sprit 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.

C. National Cadet Corps

NCC is one of the biggest youth forum which brings the vibrant students together and guides them in a proper direction so that they can play a constructive role in the development of the country. These students have enormous opportunity to show their talent and skill. Besides military training, they have an opportunity for adventurous activity which gives them wide horizon and keep them morally and mentally fit so that they became well disciplined members of the society. The students do para sailing, gliding, para dropping, Aeromodelling, Shipmodelling, boat pulling and diving beside firing, training camps, National Integration camps, rock climbing, mountaineering activities are also undertaken by the students. They also go for Republic Day camp and Prime Minister's Rally on 26 and 27 January every year. Various activities done by the students of M. S. University are enumereted below :

(a) A total of 474 students (Boys/Girls) of Air, Naval and Army attended camps in the country at various places :

- (i) All India Basic Leadership Camps
- (ii) All India Advance Leadership Camps
- (iii) Rock Climbing cCamp
- (iv) Annual Training Camp
- (v) Republic Day Camp
- (vi) National Integration Camp
- (vii) Trekking Camps
- (viii) First Aid Training
- (ix) Single Training
- (x) Army attachment

(b) Following cadet was awarded meritorious medal :

	Name of the Candidate	Year	Faculty	Award
(i)	GUJ/SN/88/59402 L/CDT	1990	Faculty of Science	Medal/certificate as he stood 2nd position in Semaphone competition held during INS Nau Sainik Camp at Cochin in Oct./Nov. 90.

(c) Following cadet was awarded Governor's medal :

Name of Cadet	Year	Faculty	Award
Raghuvendrasinh	1990/91	Faculty of Commerce	Presented with medal certificate & Indira Vikas Patra for Rs. 500/-.

(d) Following cadets got Chief Minister's Scholarship :

	Name of Cadet	Year	Faculty	Award
(i)	Sgt. Xalaxo Rajesh Augustus	1990-91	Faculty of Arts	Rs. 50/- per month for one year
(ii)	Sgt. Shah Ashish Bhupendrabhai	- do -	Polytechnic Baroda	- do -
(iii)	CWO Ritesh Babbar	- do -	Faculty of Science	- do -
(iv)	JUO Taruna Khanna	- do -	Faculty of Commerce	- do -

(e) Following cadets went for Indo Canda Youth Exchange Programme :

	Name of the Cadets	Year	Faculty
(i)	CUO Gadekar Darshan	1990-91	Faculty of Commerce
(ii)	CUO Madhu Malhotra	1990-91	Faculty of Arts
(iii)	CWO Parul Patel	1990-91	Faculty of Arts

(f) Following cadets were selected this year to proceed to Foreign country Youth Exchange programme

	Name of the Cadet	Year	Faculty
(i)	CWO Hetal Dave	1991-92	Faculty of Commerce
(ii)	CWO Ritesh Babbar	1991-92	Faculty of Science
(iii)	CWO R.J. Jhala	1991-92	Faculty of Commerce

(g) 137 cadets donated blood during the year.

(h) No. of cadets enrolled in the M. S. University during 1990-91.

BOYS 796 GIRLS 320

(j) Besides above, cadets of M. S. University stood first and second in the Republic Day Parade held at Baroda and were awarded Shields by the VIP of State Government.

(k) Guard of Honour was presented to the VIP during Annual Convocation and casets also took part in the technical exhibition held at EME School Baroda.

List of Cadets

Sr. No.	Name of Cadet	Faculty	Achievement
1.	UO PAINTER UTPAL S.	Faculty of Tech. & Engg. Baroda	Inter Unit Drill Competition
2.	UO SHAH HIRAL S.	Faculty of Tech. & Engg. Baroda	Inter Unit Drill Competition
3.	SGT SHAH ASHISH B.	Polytechnic, Baroda	Inter Unit Drill Competition
4.	C/CPL AMAN TRIPATHI	Faculty of Science M. S. University, Baroda	Awarded Gold medal in public speaking at All India BLC at Shillong
5.	CWO NEELAM SHAHNI	Faculty of Science M. S. University, Baroda	Best Glider Pilot at all India Vayu Sainik Camp.
6.	Cdt/Capt AROTHE TUSHAR	Faculty of Science M. S. University, Baroda	Participated in PM's rally 1991, at Delhi.

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D. Physical Education Department

Staff :

Director of Physcial Education

Five. Asstt. Directors of Physcial Education (Men)

Two Asstt. Directors of Physical Education (Women)

One Hockey Coach

Two Coaches (Vacant)

One Swimming Trainer

Two Asstt. Swimming Trainers

One Boating Trainer

Training in Physical Education :

Training in Physical Education was imparted to 1800 Men students and 1400 Women students from various Faculties and Institutions. Due to the disturbed situation in the City, University Syndicate resolved to make the activity voluntary.

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 attendence in the respective games.

	Men	Women
Cricket	40	20
Hockey	20	12
Tennis	25	Nil
Track Field	14	06
Kho-Kho	25	15
Football	40	Nil
Kabaddi	25	07
Volleyball	12	Nil
Basketball	20	12
Badminton	00	10
Table Tennis	35	10

Participation in Tournaments and Competitions

Inner University Tournaments

Following teams have participated in the Inter University Tournaments during the year 1990-91.

Sr. No.	Name of the Game	Venue
1.	Basketball (Men)	IIT Powai, Bombay
2.	Basketball (Women)	Madras
3.	Kho-Kho (Men)	Ahmednagar, (Poona)
4.	Kho-Kho (Women)	Shrirampur, (Poona)
5.	Kabaddi	Jodhpur
6.	Football	Aurangabad, (Marathwad Univ.)
7.	Athletic (Men & Women)	Gwalior (Jiwaji)
8.	Swimming (Men)	Trivendrum (Madras)
9.	Volleyball (Men)	Baroda
10.	Table Tennis (Men & Women)	Jamnagar
11.	Cricket (Men)	Bhavnagar
12.	Cricket (Women)	Delhi
13.	Wrestling	Kanpur
14.	Judo (Men & Women)	Kurukshetra
15.	Hockey	Gwalior Jiwaji
16.	Badminton (Men & Women)	Amaravati
17.	Chess (Men)	Bodh Gaya
18.	Weight lifting and Best Physique	Julgaon (Poona)
19.	Wrestling	Kanpur

The Hockey (Women) teams could not participate in Inter University Tournament during the year 1990-91.

M. S. University Swimming team (Men) secured second place in Water Polo in South West Zone Inter University Swimming Championship held at Trivandrum.

ATHLETICS

1.	Sh. Singh Dalvinder	Commerce	Secured II place in 100 M Running.
2.	Kum Patricia	Arts	Secured II place in Shot put.
3.	Kum Sandhu Raminder	Commerce	Secured III place in Shot put

4. Sh. Singh Dalvinder of Faculty of Commerce was qualified and participated in All India Inter Zonal Athletics Championship held at Calcutta in the month of January '91.

The following men and women players represented Gujarat State in national Championships, and in Zonal Championships in various games and sports held at various places.

FOOTBALL :

Name	Faculty	National	Zonal National	Jr. National
Singh Amit Pal	Arts		West zone Santosh Trophy Baroda	

BASKET BALL

Patel Kamlesh	Technology & Engg.	Calcutta

VOLLEY BALL

Philip Parkash	Science

HOCKEY (Women)

Kum. Mehta Ketaki	Commerce	Haryana
Kum. Jani Nilam	Commerce, Padra	Haryana
Kum. Gupta Leena	Commerce, Padra	Haryana
Kum. Patel Sapana	Home Science	Haryana

ATHLETICS

Sh. Singh Dalvinder	Commerce	Gandhinagar
Kum. Sadhu Raminder	Commerce	Gandhjnagar

The following team individuals participated in State Championships

Name of the Game	Venue	Year	Month	Result
Kho-Kho (Women)	Baroda	February	1991	Winners
Kho-Kho (Men)	Baroda	February	1991	Runners-up
Basketball (Women)	Vidyanagar			–
Hockey (Men)	Baroda			–
Athletics				
Sh. Thomas Commerce	Rajkot	February	1991	I Place 100 M. II Place Tripple Jump
Sh. Anil	- do -	- do -	- do -	II Place 400 M. II Place 100 M. Hurdles
Kum Raminder	- do -	- do -	- do -	I Place Discus Throw I place shot put
Kum. Saghvi	- do -	- do -	- do -	II place High Jump

The following teams participated in State level Tournaments :

Game	Venue	Result
Foot Ball	Baroda	Runners-up

The following teams participated in Baroda Districts Championships in various games and sports.

Name of the Game	Result
Basket ball (Men)	Runners-up
Basket ball (Women)	Runners-up

ATHELETICS

Sh. Thomas Commerce	I 100 M. I 200 M I Long Jump I Tripple Jump
Sh. Pillai Anil Commerce	I 110 M. Hurdles II 400 M. Hurdles
Kum. Kane Rakhee Fine Arts	I Discus Throw I 100 M. I 200 M I Long Jump

Kum. Patel Vyapi Arts	I 400 M I 3000 M.
Kum. Sanghvi Apeksha Commerce	I High Jump

Other Local Tournaments

Game	Tournament	Result
Hockey (Women)	Open Baroda Tournament	Winners
Cricket (Women)	Railway Mazdoor Sangh	Runners-up

Inter Faculty Tournament 1990-91

Name of the Game	Winners	Runners-up
1. Volley ball	Science	Technology & Engineering
2. Foot ball	Science	Arts
3. Basket ball (Men)	Commerce	Polytechnic
4. Hockey (Men)	Arts	Commerce
5. Cricket (MEn)	Commerce	Arts
6. Tennis (Men)	Tech. & Engg.	Science

Swimming : Individual championship in Annual Swimming Competition was won by Sh. Appova Dave of Faculty of Commerce

Boating : Individual championship in Annual Boating Competitions was won by Sh. R.N. Tapodhan of Sanskrit Mahavidhalaya.

Cricket : Ranji Centanary Award and cash prize of Rs. 600/- was awarded to Shri Bhpinder Singh Barar of Faculty of Commerce.

HIGH LIGHTS :

Cricket : Sh. Bhupendir Singh Brar of Faculty of Commerce was adjuded the best all round cricketer of the University for the year 1990-91.

: Sh. Bhupinder Sindh Brar represented West Zone in Vizzy Trophy Tournament conducted by Cricket Control Board of India at Varanasi.

Swimming : Sh. Apoova Dave of Faculty of Commerce and Sh. Milesh Paitar of Polytechnic were selected from Gujarat State to attend the coaching camp to be held at Calcutta from 15.4.1991 to 25.5.1991 in preparation of Indian Junior Water polo Team to participate in priliminary competition of Asian countries to be held in China in the month of May 1991.

ACHIEVEMENT :

1. Patel Vinod K. was nominated as Chief Organiser by the Minister of Sports Govt. of Gujarat for state level youth promoting sports festival of 1990-91 held at Nadiad in the month of March '91.

2. Thumer P.B. attended the six weeks first orientation course held at Gwalior in the month of May/June 1990. Attended Seminar on "Problems of Selection and Training for sports Objectives : Present Scenario and Future Direction Relevant to Local Situation" held at Bal Bhavan Society Baroda in the month of February 1991.

3. Rajgopalan was elected Joint Sectrary Gujarat State Amateur Athletic Association, and as General Secretary Baroda District Amateur Athletic Association.

4. Desai K.B. attended the Seminar on National and International Sports Psychology held at Delhi in the last week of the February 1991.

5. Katkar S.R. attended Seminar on Problems of Selection and Training for Sports Objectives : Present Scenario and Future Directon Relevants to Local Situation, held at Bal Bhavan Society, Baroda in the month of February 1991.

   Appointed as a member of the selection committee by the Gujarat State Kho-Kho Association to select the state teams Men and Women for National Tournaments.

6. Thatte, R.N. Member of the Technical Committee of Indian Hockey Federation, president of Malkhamb Federation of India.

Inter University West Zone "A" and Inter Zonal Volleyball (Men) Tournaments 1990-91 were conducted by M. S. University of Baroda from 2nd January 1991 to 12th January 1991.

The results are as under :

Inter University West Zone "A" Volleyball (Men) Tournaments.

(i)	Poona	Winners
(ii)	Marathwada	Runners up
(iii)	Bombay	
(iv)	Shivaji	

Results of Inter Zonal Volleyball (Men) Tournament :

(i)	Osmania	Winners
(ii)	Mahatma Gandhi	Runners up
(iii)	Calicut	
(iv)	Punjab	

E. Students Common Room

There are three Common Rooms for University students. Two Rooms are on the campus-one for men students and the other for women students. The third room generally known as Non-Resident Students' Centre is near the Faculty of Technology and Engineering. The women students' Common Room and the Non-Resident Students' Centre were built with financial assistance from the University Grants Commission and the State Government.

A cafetaria is attached to each of the three Common Rooms. There are facilities for indoor games such as carrom, draught, chess, table tennis, etc. and for reading news-papers, periodicals and books. Committee consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for meetings of students Association, Socials Indoor games and tournaments.

F. University Employment Information and Guidance Bureau

Main activities carried out by Bureau are given as under :

- To register and the send detailed information of the candidates to the different Government and private agancies for empolyment purpose.
- To give information regarding employement in different areas.
- To give information on various courses in higher education in different University in India.
- To provide information on scholarship and other type of financial assistance
- To help in a personal way to solve vocational problem of the students
- To other vocational guidance through group discussion
- To give information on competitive examinations or recruitement tests by District Panchyat Selection Commission. (New Delhi). Banking Service recruitment Board and Railway Service Commission.

Above activities have been done in the year 1990-91 are following in data producer for the Registration.

1. **Two categories are being registered**

   (a) Special Graduate and Professional

   (b) Post Graduate

   The detail information of all candidates is systematically filled in filing cabinets and the line register is maintained.

2. **Monatoring for the self employment to candidates**

   Whereever the programme to mas employment on orientation on self employment all the conerned registered candidates are informed. In the year 1990-91 245 candidates were monitor.

3. **Guidance talks in school/colleges.**

   The bureau Chief and deputy Chief go to school and colleges and give them vocational Guidance talk also arranged guidance exhibition of books information, Pamphlets, Charts etc.

4. Last year Cancer Week was celebrated. And it was fully co-operated by this bureau to the district employment exchange, Baroda.

5. Meeting attended by the deputy Chief, the deputy Chief attends the various meeting which organised by the diifferent department of the district.

6. Advisory committee is called every year and its chairman is respected Vice-Chancellor Sahab of M. S. University.

The Advisory committee meeting was held on 11th January, 1991 under the chairmanship of Shri Prof. V.C. Shah, Vice-Chancellor Saheb and positive suggestions were made to them for the development of this Bureau. And some important decision have been taken by the Committee to the strenthning of bureau.

Statistical Figures for the last year as given below :

	Category	1990 (Jan.-Dec.)	1991 (Jan.-Sept.)
1.	Registration of Names	711	608
2.	Information about vacancies	452	403
3.	Number of recruited candidates against vacancies	3170	2342
4.	No. of candidates who obtained jobs	47	73
5.	No. of unemployed according to live register	2583	2780
	Vocational Guidance Activities :		
6.	Individual Guidance	36	26
7.	School talks	24	20
8.	Registration Guidance	553	453
9.	Group Guidance	66	52
10.	Campus recruitment	3	5

APPENDICES

Number of Students enrolled in various Courses during 1990-91.

Level	Men	Women	Total
FACULTY OF ARTS			
Degree Courses :			
F.Y.B.A.	500	600	1100
S.Y.B.A.	393	462	855
T.Y.B.A.	317	471	788
Bach. of Library Science	10	23	33
	1220	**1556**	**2776**
Post Graduate Courses :			
M.A. Part I	222	333	555
M.A. Part II	122	142	364
Master of Library Science	02	03	05
M. Phil	05	10	15
Ph. D.	10	21	31
	361	**609**	**970**
Post Diploma Courses :			
Post Diploma in German	3	–	3
Post Diploma in Russian	–	1	1
Diploma Courses :			
Diploma in Arabic	02	–	02
Diploma in German	08	16	24
Diploma in Persian	–	02	02
Diploma in Russian	02	02	04
	15	**21**	**36**
Certificat Courses :			
Certificate Course in Arabic	13	05	18
Certificate Course in German	181	95	276
Certificate Course in Persian	03	04	07
Certificate Course in Russian	31	13	44
	228	**117**	**345**
Grand Total	**1824**	**2303**	**4127**

FACULTY OF SCIENCE

Diploma

Laboratory Technicians	8	1	9
Ist Year	8	1	9
2nd Year	10	1	11
	26	**3**	**29**
F.Y.B.Sc.	414	418	832
S.Y.B.Sc.	421	421	842
T.Y.B.Sc.	373	349	722
Total	**1208**	**1188**	**2396**

Post Graduate

Diploma in Cartography	4	–	4
	4	**–**	**4**
M.Sc. (Previous)	154	162	316
M. Sc. (Final)	130	134	264
M.Sc. (Appl. Geol.)	15	–	15

Four Years Evening M.Sc. Course in Biochemistry

Ist Year	2	–	2
2nd Year	2	–	2
3rd Year	3	–	3
4th Year	2	2	4
M. Phil	–	–	–
Ph. D.	55	17	72
	363	**315**	**678**
Grand Total	**1601**	**1506**	**3107**

FACULTY OF EDUCATION AND PSYCHOLOGY

B. Ed.	84	127	211
M. Ed. (Junior)	4	4	8
M. Ed. (Senior)	5	1	6
M. Ed. (Full-time)	10	9	19
M. Phil	–	4	4
Ph. D. (Edu.)	–	5	5
S.Y.B.A.	19	50	69
T.Y.B.A.	15	49	64

M. A. I.	5	16	21
M. A. II	5	20	25
P.G. Dip. in C.C.P.	1	6	7
P. G. Dip. in H.R.D.	30	13	43
Total	**179**	**304**	**483**
FACULTY OF COMMERCE			
F.Y.B.Com.	1115	1196	2311
S.Y.B.Com.	869	994	1863
T.Y.B.Com.	709	820	1529
	2693	**3010**	**5703**
M. Com. (Previous)	454	517	9710
M. Com. (Final	627	353	980
Ph. D.	21	06	27
	1102	**876**	**1978**
P. G. Diploma in Banking	–	–	–
Grand Total	**3795**	**3886**	**7681**
FACULTY OF MEDICINE			
Degree :			
1st Year	78	49	136
2nd Year	84	78	162
3rd Year	121	67	188
4th Year	163	80	243
5th Year	36	13	49
	491	**287**	**778**
Post-Graduate:			
1st Year	65	16	81
2nd Year	44	18	62
3rd Year	59	22	81
4th Year	47	07	54
	215	**63**	**278**
Post Graduate Diploma :			
Junior	45	08	53
Senior			
Total	**751**	**358**	**1109**

FACULTY OF TECHNOLOGY AND ENGINEERING

Diploma:			
1st Year	40	03	43
2nd Year	27	02	29
3rd Year	38	04	42
	105	**09**	**114**
Degree :			
1st Year	537	117	654
2nd Year	440	99	539
3rd Year	458	101	559
4th Year	439	70	509
5th Year	011	27	38
	1885	**414**	**2299**
P.G. Diploma :			
1 Year only	54	31	85
Post Graduate Degree			
Junior	147	10	157
Senior	97	17	114
	244	**27**	**271**
After B.Sc. P. G. Courses :			
1st Year	51	07	58
2nd Year	38	12	50
3rd Year	34	02	36
	123	**21**	**144**
Ph. D.	15	04	19
Grand Total	**2426**	**506**	**2932**

FACULTY OF FINE ARTS

Degree :			
1st Year	36	31	67
2nd Year	30	29	59
3rd Year	26	26	52
4th Year	13	22	35
	105	**108**	**213**

Jr. M.A. (Fine)	30	14	44
Sr. M. A. (Fine)	15	11	26
	45	**25**	**70**
Diploma :			
1st Year	04	01	05
2nd Year	03	05	08
3rd Year	08	02	10
4th Year	02	01	03
	17	**09**	**26**
Jr. Post Diploma	10	04	14
Sr. Diploma	15	01	16
	25	**05**	**30**
Ph. D.	10	08	18
Grand Total	**202**	**155**	**357**
FACULTY OF HOME SCIENCE			
Certificate			
1st Year	–	15	15
2nd Year	–	15	15
Degree :			
1st Year	–	214	214
2nd Year	–	168	168
3rd Year	–	**550**	**550**
Post-graduate Diploma :			
Pre-School	–	30	30
Ed. Ext.	–	9	9
	–	**39**	**39**
Post Graduate Degree :			
Junior	1	60	61
Senior	–	68	68
	1	**128**	**129**
Ph. D.	1	42	43
Grand Total	**2**	**775**	**777**

FACULTY OF SOCIAL WORK			
Post Graduate Degree :			
Junior Class	13	18	31
Senior Class	25	12	37
Total	**38**	**30**	**68**
Post-graduate, Dip. in I.R.P.M.	12	02	14
Ph. D.	02	–	02
Total	**14**	**32**	**84**
Grand Total	**52**	**02**	**16**
FACULTY OF LAW			
Degree :			
1st L.L.B. (Gen.)	324	137	461
2nd L.L.B. (Gen.)	94	30	124
L.L.B. (Special)	74	28	102
Total	**492**	**195**	**687**
Post-Graduate Diploma :			
D.T.P.	171	30	201
D.L.P.	101	28	129
Total	**272**	**58**	**330**
Post Graduate Degree :			
L.L.M. Part I	15	05	20
L.L.M. Part II	01	01	02
Total	**16**	**06**	**22**
Ph. D.	03	–	-3
Grand Total	**783**	**259**	**1042**
FACULTY OF PERFORMING ARTS			
Certificate :	–	–	–
Diploma :			
1st Year	239	125	364
2nd Year	112	73	185
3rd Year	53	52	105
4th Year	49	39	88
5th Year	26	24	50
Total	**479**	**313**	**792**

Post Diploma Nattuvangam.	–	–	–
Degree :			
1st Year	38	41	79
2nd Year	16	27	43
3rd Year	28	23	51
Total	**82**	**91**	**173**
Post Graduate Dip.			
Junior	–	–	–
Senior	–	–	–
Post Graduate Degree			
Junior	12	12	24
Senior	5	4	9
Total	**17**	**16**	**33**
Ph. D.	7	8	15
Grand Total	**585**	**428**	**1013**
FACULTY OF MANAGEMENT STUDIES			
Post Graduate Degree :			
I- M.B.A.	20	09	29
II - Year M.B.A.	18	08	26
Total	**38**	**17**	**55**
Ph. D.	–	1	1
Grand Total	**38**	**18**	**56**
BARODA SANSKRIT MAHAVIDYALAYA			
Certificate : (Ved Vibhag and Pratham Kaksha)			
1st Year	72	04	76
2nd Year	19	–	19
3rd Year	14	–	14
4th Year	05	–	05
5th Year	02	–	02
	112	**04**	**116**
Diploma : (Madhyam Kaksha)			
1st Year	189	12	201
2nd Year	21	–	21
3rd Year	02	–	02
4th Year	03	01	04
5th Year	04	–	04
	219	**13**	**232**

Post Diploma :			
Junior	–	–	–
Senior	–	–	–
Degree : (Shastri)			
1st Year	13	04	17
2nd Year	02	01	03
3rd Year	02	–	02
	17	**05**	**22**
Post Graduate Diploma :			
Junior	–	–	–
Senior	–	–	–
Post Graduate Degree (Acharya):			
1st Year	07	03	10
2nd Year	01	01	02
	08	**04**	**12**
Ph. D. (Vachaspati) :	1	–	1
Social Communication Class	–	–	–
Grand Total	**357**	**26**	**383**
M. K. AMIN ARTS & SCIENCE COLLEGE AND COLLEGE OF COMMERCE, PADRA.			
Degree :			
ARTS			
F.Y.B.A.	21	18	39
S.Y.B.A.	16	09	25
T.Y.B.A.	18	17	35
Total	**55**	**44**	**99**
COMMERCE			
F.Y.B.Com.	554	272	826
S.Y.B.Com.	273	138	411
T.Y.B.Com.	405	209	614
Total	**1232**	**619**	**1851**
Grand Total	**1287**	**663**	**1950**

POLYTECHNIC

F.Y.				
	S.S.C.	348	55	403
	H.S.C.	189	07	196
S.Y.				
	S.S.C.	338	45	383
	H.S.C.	191	11	202
T.Y.				
	S.S.C.	521	64	585
	H.S.C.	392	10	402
Post Diploma		3	–	3
	Total	**1982**	**192**	**2174**

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Statement showing the number of university students during the academic year 1990-91

Sr. No. Faculties /Institutions	Post Gradute Courses		Degree Courses		Diploma Courses		1990-91				
	Men	Women	Men	Women	Men	Women	Men	Women	Total	1989-90	1988-89
1. Faculty of Arts	361	609	1220	1556	15	21	1596	2186	3782	2982	2526
2. Faculty of Science	363	315	1208	1188	30	03	1601	1506	3107	3168	2941
3. Faculty of Edu & Psy.	61	78	118	226	—	—	179	304	483	465	440
4. Faculty of Commerce	1102	876	2693	3010	—	—	3795	3886	7681	8043	6860
5. Faculty of Midicine	215	63	491	287	45	8	751	358	1109	1099	1150
6. Faculty of Tech &Engg.	259	31	1885	414	282	61	2426	506	2932	2953	2594
7. Faculty of Fine Arts	55	33	105	108	42	14	202	155	357	395	380
8. Faculty of Home Scinece	02	171	—	550	—	39	02	760	762	690	710
9. Faculty of Social work	40	30	—	—	12	2	52	32	84	105	101
10. Faculty of Law	19	06	492	195	272	58	783	259	1042	981	1406
11. Faculty of Performing Arts	24	24	82	91	—	—	106	115	221	207	193
12. Faculty of Management studies	38	18	—	—	—	—	38	18	56	47	47
13. Baroda Sanskrit Mahavidylay	09	04	17	05	219	13	245	22	267	170	124
14. Shri M.K. Amin Arts & Science college & college of commerce padra.	—	—	1287	663	—	—	1287	663	1950	1851	1889
15. Polytechnic	—	—	—	—	1982	192	1982	192	2174	2157	2257
Total	2548	2258	9598	8293	2899	411	15045	10962	26007	25313	23618

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Statement showing the growth of Student Enrolment.

The University started with 2926 students on its roll in 1990-91 it had 26,007 University Students and 2,082 Non-University Students. The following table gives enrolment figures for the last five years. Here percentage has been calculated considering 1986-87 as the base year.

Year	Total enrolment	Percentage
1986-87	23,544	-
1987-88	22,557	- 4.19
1988-89	23,618	0.31
1989-90	25,313	7.51
1990-91	26,007	10.46

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Statement showing the Sex Percentage of different Faculties.

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, 1990-91.

Sr. No.	Faculties/Institutions	1970-71		1980-81		1990-91	
		Men	Women	Men	Women	Men	Women
1.	Faculty of Arts	37.5	62.5	50.0	50.0	42.20	57.80
2.	Faculty of Science	72.2	27.8	66.5	33.5	51.52	48.48
3.	Faculty of Education and Psychology	30.7	60.3	46.9	53.1	37.06	62.94
4.	Faculty of Commerce	82.6	17.4	62.7	37.3	49.40	50.60
5.	Faculty of Medicine	84.0	16.0	85.4	14.6	67.71	32.29
6.	Faculty of Technology and Engineering	97.7	2.3	96.8	3.2	82.74	17.26
7.	Faculty of Fine Arts	73.0	27.0	73.2	26.8	56.58	43.42
8.	Faculty of Home Science	0.1	99.9	0.1	99.9	0.26	99.74
9.	Faculty of Social Work	56.0	44.0	57.4	42.6	61.90	38.10
10.	Faculty of Law	89.5	10.5	89.8	10.2	75.14	24.86
11.	Faculty of Performing Arts	44.1	55.9	45.4	54.6	47.86	52.04
12.	Faculty of Management Studies	-	-	-	-	67.86	32.14
13.	Baroda Sanskrit Mahavidyalaya	80.0	20.0	62.7	37.3	91.76	8.24
14.	Shri M.K. Amin Arts and Science College and College of Commerce, Padra	90.8	9.2	82.3	17.7	66.00	34.00
15.	Polytechnic	99.4	0.6	98.9	1.1	91.17	8.83

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Statement showing the percentage of Students enrolment in the different Faculties/Institutions in the last Five Years.

Sr.	Faculties/Institutions	1986-87	1987-88	1988-89	1989-90	1990-91
1.	Faculty of Arts	8.06	8.21	10.70	11.78	14.54
2.	Faculty of Science	11.61	12.38	12.45	12.52	11.95
3.	Faculty of Education and Psychology	1.74	1.72	1.86	1.84	01.86
4.	Faculty of Commerce	32.64	29.81	29.04	31.75	29.53
5.	Faculty of Medicine	4.37	5.25	4.87	4.34	4.27
6.	Faculty of Technology and Engineering	12.11	12.83	10.98	11.67	11.27
7.	Faculty of Fine Arts	1.13	1.22	1.61	1.56	1.37
8.	Faculty of Home Science	2.97	2.93	3.00	2.73	2.93
9.	Faculty of Social Work	0.41	0.42	0.43	0.42	0.32
10.	Faculty of Law	9.73	10.40	5.95	3.88	4.00
11.	Faculty of Performing Arts	0.75	0.70	0.82	0.82	0.85
12.	Faculty of Management Studies	0.21	0.22	0.20	0.19	0.22
13.	Baroda Sanskrit Mahavidyalaya	0.41	0.50	0.53	0.67	1.03
14.	Shri M.K. Amin Arts and Science College and College of Commerce, Padra	6.66	6.09	8.00	7.31	7.50
15.	Polytechnic	7.21	7.32	9.56	8.52	8.36
	Total	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

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Number of students admitted in various Halls of Residence during 1990-91

Sr. No.	Faculty Institution	KM	MM	MA	SP	TKG	JM	LBS	NV	RT	MV	SO	TOTAL	VS	TOTAL	SD	HM	PG	KG	TOTAL	TOTAL
Faculty OF																					
1.	ARTS	15	31	92	26	12	11	23	34	5	29	44	322	12	334	77	63	48	16	204	538
2.	SCIENCE	86	12	02	10	01	01	88	03	02	02	04	211	37	248	35	42	58	17	152	400
3.	EDU & PSY	03	—	02	27	01	01	03	06		01	—	44	10	54	21	—	-5	—	26	80
4.	COM. & P. COLLEGE	12	14	01	57	190	10	10	02	03	12	20	331	06	337	17	14	65	12	108	445
5.	MEDICINE	06	06	01	04	—	114	03	01	—	01	—	136	03	139	27	34	22	38	121	260
6.	TECH & E	36	50	12	36	18	39	18	54	289	176	204	932	44	976	33	53	65	13	164	1140
7.	F. ARTS	01	05	74	15	01	05	01	03	01		05	111	03	114	52	07	08	06	73	187
8.	H. SCI.	—	—	—	—	—	—	—	—	—	—	—	—	01	01	59	136	27	10	232	233
9.	S. WORK	—	—	—	01	—	—	01	—	—	—	—	02	10	12	01	02	—	04	07	19
10.	LAW	—	—	02	02	02	—	—	03	—	—	02	11	—	11	—	02	03	01	06	17
11.	P. ARTS	04	—	—	01	—	09	—	—	01	—	—	15	—	15	03	01	03	03	10	25
12.	MANAGE MENT	—	—	—	02	—	11	—	—	—	—	01	14	07	21	03	03	—	04	10	31
13.	POLY	02	132	—	03	01	02	03	56	18	09	33	259	—	259	01	01	—	—	02	261
14.	I. A.S.	—	01	—	—	—	—	—	—	01	—	—	02	05	07	—	—	01	—	01	08
	TOTAL	165	251	186	184	226	203	150	162	320	230	313	2390	138	2528	329	358	305	124	1116	3644

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Statement showing the percentage of sutdents resideing 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	Women	Total	Men	Women	Total
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
1090-91	2,528	1,116	3,644	9.72	4.29	14.01

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A Statement showing the i Non-University students in the year 1990-91.

	Faculties/Institutions	Men	Women	1990-91	89-90	88-89
A.	Diploma Courses					
	(i) Faculty of Performing Arts	479	313	792	726	712
B.	Certificate Courses					
	(i) Faculty of Arts	228	117	345	304	274
	(ii) Baroda Sanskrit Mahavidyalaya	112	004	116	170	153
C.	S.S.C. Courses					
	(i) University Experimental School	459	285	744	654	719
D.	Chetan Balwadi					
	(i) Balwadi	038	019	057	056	057
	(ii) Kinder Garden	014	014	028	029	028
	Total	**1330**	**752**	**2082**	**1939**	**1943**

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Number of Disabled students in various faculties/Institutions in the year 1990-91.

Sr. No.	Faculties/Institutions	Men	Women	Level	Remarks
1.	Faculty of Arts	1	-	UG	Handicapped on leg.
2.	Faculty of Science	1	-	UG	Orthopadically physically handicapped post polio paralysis left upper lims 80%.
		1	-	UG	Orthopedically Physically handicapped about 45% (left's polio)
		1	-	UG	Orthopadically physically handicapped due to post polio paralysis both lower limbs paralysis disability 75%.
		1	-	UG	Bilat palt polio paralysis
		-	1	UG	Conjenitas abnormality of both hip joints.
		-	1	UG	Left leg polio infected
3.	Faculty of Edu. & Psy.	-	-	-	
4.	Faculty of Commerce	5	-	PG	-
		1	2	PH	-
5.	Faculty of Tech. & Engg.	2	1	UG	Walking not properly
6.	Faculty of Fine Arts	-	-	-	-
7.	Faculty of Home Science	-	-	-	-
8.	Faculty of Social Work	-	-	-	-
9.	Faculty of Law	-	-	-	-
10.	Faculty of Performing Arts	-	-	-	-
11.	Baroda Sanskrit Mahavidyalya	1	-	PG	Blind
12.	Polytechnic	2	-	UG	Physically handicapped
	Total	**16**	**5**		

... ...

Number of Foreign Students in the year 1990-91.

Level	Men	Women	Name of the Country
FACULTY OF ARTS			
Under Graduate	-	1	Ethopia
	1	-	Kenya
	1	-	Nigeria
	6	-	Palestine
Post Graduate	1	-	Bangladesh
	1	-	Iran
	1	-	Nigeria
	11	1	
FACULTY OF SCIENCE			
Under Graduate	-	1	Iran
	-	1	Tanzania
	-	2	U.S.A.
	-	1	U.K.
	-	1	Zambia
Post Graduate	4	-	Bangladesh
	4	-	Iran
	1	-	Kenya
	1	-	Nigerian
	1	-	Palestine
	-	3	U.K.
	-	1	Vietnam
	11	10	
FACULTY OF EDUCATION & PSYCHOLOGY			
Under Graduate	10	8	Kenya
Post Graduate	1	-	Nigerian
	11	8	

FACULTY OF COMMERCE			
Under Graduate	5	0	Kenya
Post Graduate	6	1	
	11	1	
FACULTY OF TECH. & ENGG.			
Under Graduate	-	1	Sudanese
Post Graduate	2	-	Bangladesh
	1	-	Jordan
	2	1	Palestine
	5	2	
FACULTY OF FINE ARTS			
Under Graduate	-	1	Nepal
	1	-	U.S.A.
Post Graduate	-	2	Bangladesh
	1	-	Jorden
	1	-	Srilanka
	3	3	
FACULTY OF HOME SCIENCE			
	-	1	Kenya
	-	1	Kuwait
	2	3	Tanzania
	2	-	Thailand
	4	5	
FACULTY OF SOCIAL WORK			
	-	-	-
FACULTY OF LAW			
Under Graduate	2	-	Kenya

FACULTY OF PERFORMING ARTS			
Under Graduate	1	2	Bangladesh
Post Graduate	2	1	Bangladesh
	3	3	
SHRI M.K. AMIN ARTS & SCIENCE COLLEGE & COLLEGE OF COMMERCE, PADRA.			
Under Graduate	1	-	Kenya
Total	**62**	**33**	

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Statement showing numbers of students belonging to Scheduled Caste/Scheduled Tribe/Socially and Economically Backward in various Faculties/Institutions during 1990-91.

Sr. No.	Faculties/Institutions	SC		ST		SEBC		Total
		M	F	M	F	M	F	
1.	Faculty of Arts	35	16	23	09	-	-	83
2.	Faculty of Science	37	17	10	04	85	38	191
3.	Faculty of Education and Psychology	21	04	06	03	11	09	54
4.	Faculty of Commerce	122	95	27	34	06	01	285
5.	Faculty of Medicine	31	15	23	07	07	25	108
6.	Faculty of Technology and Engineering	23	08	12	01	14	01	59
7.	Faculty of Fine Arts	04	01	01	-	02	-	08
8.	Faculty of Home Science	-	02	-	03	-	05	10
9.	Faculty of Social Work	06	-	-	-	-	-	06
10.	Faculty of Law	66	05	08	03	-	-	82
11.	Faculty of Performing Arts	22	12	02	01	-	-	37
12.	Faculty of Management Studies	01	01	05	-	01	-	08
13.	Baroda Sanskrit Mahavidyalaya	01	-	-	-	-	-	01
14.	Shri M.K. Amin Arts and Science College and College of Commerce, Padra	-	-	-	-	-	-	-
15.	Polytechnic	88	04	90	02	90	03	277
	Total	**457**	**180**	**207**	**67**	**216**	**82**	**1209**

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List of students qualifying Ph.D. during 1990-91.

Sr. No.	Name of the Candidate	Subject	Title of the Thesis
	Faculty of Arts.		
1.	Shri Rajeshirke Ashok Bhausahab	Ph.D. in History	"Society and Economy of the Portugues Chaul in 16th and 17th Centuries."
2.	Smt. Chopra Shashi	Ph.D. in Economics	"Inflation House Hold Savings and Economic Growth."
3.	Shri Meer Rasheedbhai Kamalbhai	Ph.D. in Gujarati	"Asthetics of Gujarati Gazels after 1942."
4.	Smt. Tara Thyagarajan	Ph.D. in History	"Political Relation Between the Gaekwads of Baroda and the Peshwas."
5.	Shri Muralidhar Shrinivas Rao Mudhol	Ph.D. in Archaeology	"A technical Study of Megalithic Metal Objects."
6.	Shri Allah Subbarao Raghavaiah	Ph.D. in Economics	"Linkages and Growth of Chemical Industry - A Study of Small and Medium Seale Units in Baroda.
7.	Smt. Palia Katayun Kyamas	Ph.D. in English	"Communication strategies and Learner Profiles : A study of interlanguage talk in the contekt of English as a second language."
8.	Shri Momin Mohommad Adbul	Ph.D. in Economics	"Rural poverty and Agrarian structure in Bangladesh."
9.	Shri Varghese Joseph Munda Plackal	Ph.D. in English	"A literary study of the works of Nineteenth century British Intelletuals in India."
10.	Smt. Parikh Bharati Ashok	Ph.D. in English	"Feminime sensibility - A study of Black American and Indian English women Novelists with special reference to the Novels of Toni Marrison, Allce Walker, Anila Desai and Nayantara Sehgal."

11.	Kum. Rathod Parulata Mana	Ph.D. in Gujarati	"ભંગુરતાનું નિરૂપણ. મીરા, અખો · લાભશંકર ઠાકર અને મધુરાવની કૃત્તિઓમાં"
	Faculty of Science		
12.	Shri Soni Rohit Ravikant	Ph.D. in Chemistry	"Study in the synthesis of chromones, chromeng and chromanonesh.
13.	Shri Mhaskar Sunil Vyankatesh	Ph.D. in Chemistry	"Biologically Active compounds from Natural Materials."
14.	Shri Singh Satendra	Ph.D. in Chemistry	"Studies in Dehydrogenation and reduction."
15.	Kum. Desai Smruti Sadanand	Ph.D. in Zoology	"Certain observations on the Influence of B-Adrenergic Agents and sex horomones on some aspects of metabolism of submandibular salivany gland of male Albinorats Rattus Norvegicus Albinas."
16.	Shri Md. Zahangir Atam	Ph.D. in Zoology	"Certain Bio-chemical and Nutritional studies on Improvement of Technology of storage formarine as well as Freshwater Fishesu.
17.	Shri Philip John	Ph.D. in Botany	"Developmental Ultrastructural, Cytochemical and experimental studies of the Pishl of catharan thus Roseus (L) GDON (Apocynaceae) and withania somnilera Dunal (Solanaceae)
18.	Shri Desai Ashokkumar Govindlal	Ph.D. in Geology	"Himatnagar Sandstones of North Gujarat their Depositional Environments and tectonic framework."
19.	Shri Sanji Inder Mohan Vaid	Ph.D. in Geology	"Laterite of Kutch : A study on the Genesis and Nature of Occurence."
20.	Kum. Joshi Shubhangi Chandrakant	Ph.D. in Chemistry	"Study in synthesis and Reactions on Isoflavones."
21.	Kum. Joshi Heta Harshadray	Ph.D. in Chemistry	"Synthesis and characterization of the multicomponenet polymeric system involving Nylon-6 and Polyolifin."

22.	Shri Yousef Habous Alu Rukah	Ph.D. in Geology	"Applied Quaternary geology between Mahi and Narmada rivers, Gujarat State with special reference to the terrain resource evaluation."
23.	Shri Fakhri Hussain Al-Hashima	Ph.D. in Geology	"Geological and Geomor Phological studies on the West coast between Dahanu and Kora (Maharashtra) with special reference to the recent coastal Hydrodynamics and beach rock Formation."
24.	Shri Seyed Ahmad Alavi	Ph.D. in Geology	"Morphotectonic Analysis of sourth Gujarat Land Scape."
25.	Smt. Pandya Neeta Rakesh	Ph.D. in Botany	"Effect of Industrial Air Pollution on some vegetables and cash crops."
26.	Shri Thomas P.J.	Ph.D. in Botany	"Chemosystematic and Pharmacognostic studies on some Indian member of the Rubiaceqe."
27.	Shri Patel Satishbhai Jaychandbhai	Ph.D. in Geology	"Study of trace fossils in Carbonate Rocks of Western Kutch Gujarat State."
28.	Shri K. Joy Abraham	Ph.D. in Botany	"Phytoalexins and other post Intectional compounds of some Economically Important Trees of Gujarat."
29.	Shri Md. Delwar Hossain Khan	Ph.D. in Zoology	"Observation on Deterrent or Arrestant Influence of some Locally Available plant species on cigarette Bettle, Lasioderma Serricorne F (Coleoplera : Anobildqe) that possibly could be employed for contract of this pest."
30.	Shri Abdul Jabber Tofazzel Hossain Howlader	Ph.D. in Zoology	"Observations on some Aspects of Biology of Tabacco Bettle, Lasioderma Serriorne (F) coleoptera; Anobiidae with respect of possible controlling Measures utilizing certain conspecific organismic products and a Biological Agent."

31.	Shri Patrik Theanyichukwa Ndukuba	Ph.D. in Zoology	"Effect of photoperiodism, Involvement of the Pineal organ and certain neuropharanacological studies on tail regeneration in the gekkonid Lizard, Hemidactvlus Flavivirdis."
32.	Kum. Wali Amrita	Ph.D. in Botany	"Tissue culture studies with Guggul (Commiphora wightil, Aronott Bhandari and Jojoba (Simmondsia chinensis Link schneid."
33.	Shri Gireesan K.	Ph.D. in Physics	"Study of the thin films and single crystals and compound semiconductors snse and snse2."
34.	Shri Chitre Ravindra Shankerrao	Ph.D. in Chemistry	"Electro chemistry of certain lons in a low melting Nitrate Eutectic."
35.	Shri Shah Chandrakant Chunilal	Ph.D. in Chemistry	"Studies in Isolation of useful Phytochemicals."
36.	Shri Mehraban Ardeshirian Sharif Abadi	Ph.D. in Geology	"Laterites of Mainland Gujarat."
37.	Shri Sakhawala Mansukhlal Vallabhbhai	Ph.D. in Geology	"Comparative study of the Geology Geomorphology and Animal sediment relationship of the Islands Piram, Dill and Bet shankhodhar coust Saurashtra region in Gujarat."
38.	Smt. K. Suja	Ph.D. in Physics	"Modification in High Energy-Higher order Born Approximation."
39.	Smt. T. Sabitha Kumari	Ph.D. in Chemistry	"Synthesis of Biologically active Molecules."
40.	Kum. Inguva Umadevi	Ph.D. in Botany	"Phyto-chemistry and synthematics of the sapindalesand Related Taxa."
41.	Smt. Khairun Nessa Syeda	Ph.D. in Zoology	"Study on Histophysiology of certain Avain Tissues with special reference to Glycogen body and skelatal muscle."
42.	Shri John Josseph	Ph.D. in Zoology	"Influence of Adrenal on Post-Hatched Maturational Development of male chicks with emphasis on Gonada : A morphometric and Histephysiological study."

43.	Kum. Padate Geeta Satyendra	Ph.D. in Zoology	"A comperative study of certain metabolic changes Accompanying breeding cycles of two closely related species of Myna (1) Acredoheres Gingininas (2) Sturnus pagodarum."
44.	Shri Vyas Ketan Dhansukhlal	Ph.D. in Chemistry	"Synthesis and Reactions anthones."
45.	Kum. Chandratre Shubhangii Padmakar	Ph.D. in Chemistry	"Studies in synthesis Benzopyran Derivatives."
46.	Shri Hassan Karamd	Ph.D. in Geology	"Mesozoic rocks of Saurashtra with special reference to their depositional environments."
47.	Shri Bhupathiraju Naga Satya Narayan Raju	Ph.D. in Chemistry	"Chemistry of strained Polycyclic Systems."
	Faculty of Education		
48.	Shri Mani R.S.	Ph.D. in Education	"Evolving a programme of teacher education at plus 2 stage."
49.	Kum. Doris D'Souza	Ph.D. in Education	"A Study of vocational of Eudcation at plus two."
50.	Smt. Gupta Veera	Ph.D. in Education	"A Study of vocationalisation of Education at plus two stage in the Union territary of Delhi.
51.	Smt. Rathi K.	Ph.D. in Education	"A Study on the language status of primary entrants with regard to their mother tongue."
52.	Shri Parmar Narendrakumar Raghabhai	Ph.D. in Psychology	"A comparative study of job motivation potential individual growth need, experienced psychological states and Affesctive."
53.	Smt. Patel Reshma Pankaj	Ph.D. in Psychology	"Ego Identity in Adolescence some Psycho Socio correlates."
54.	Kum.Desai Hemangini Dhirubhai	Ph.D. in Education	"A Study of student unrest and student Welfare activities in Universities."

55.	Shri H.K. Venkatarangachar	Ph.D. in Education	"A Study of the programme of nonformal education in Hassan District of Karnataka State."
56.	Shri Dalal Mukesh Shantilal	Ph.D. in Psychology	"A Comparative study of Intergenerational differences with respect to some personal beliefs, social attitutdes and values prevalent among Individuals of varied castes, sex and residence."
57.	Smt. Menon Geeta Syamdas	Ph.D. in Education	"A Study of relationship among certain environmental factore, personality characteristics and shcool performance of first standard students."
58.	Smt. Md. Nazrul Islam	Ph.D. in Psychology	"The effectiveness of family planning communication in rural Bangladesh : A village study."
	Faculty of Commerce		
59.	Shri Hingorani Ashok Rellumal	Ph.D. in Business Administration	"A study of job-need congruence and its impact on behaviour of operatives."
60.	Shri Davella Ramesh D. Shankar Rao	Ph.D. in Economics	"The effect of education on efficiency consumption saving and investment."
61.	Smt. Pushya Billigraham	Ph.D. in Commerce	"Marketing management in small scale Industries with special reference to units in Makarpura Industrial Estate Baroda."
62.	Shri Khalid Moh'd Qassim	Ph.D. in Business Economics	"Financial structure and economic development : A case of Jordan."
63.	Shri Shah Jayantilal Harkishandas	Ph.D. in Accounts	"Valuation of shares."
64.	Shri Pandya Vinayak Harilal	Ph.D. in Economics	"A study of Levels of living in a developing region with special reference to Gujarat 1961 to 1985."
65.	Kum. Patel Sujata Chimanbhai	Ph.D. in Banking & Business Finance	Commercial Bank lending and inventory levels in industries."

Faculty of Medicine

66.	Kum. Dave Bhavana Janakbhai	Ph.D. in Cancer Research (Cell Biology)	"A Study on carcinogenic potentials of Betel (Area) Nut."

Faculty of Technology and Engineering

67.	Shri Shukla Hariharprasad Jayashankar	Ph.D. in Mechanical Engineering	"Free convection in rectangular enclosures."
68.	Shri Soni Ravinder Singh	Ph.D. in Chemical Engineering	Flow distrubution in a solar collector array and balancing methods.
69.	Shri Bhatt Prashant Navinchandra	Ph.D. in Applied Chemistry	"Trace determination of metals and non-metals in the environment including high purity grade metals alloys etc."
70.	Shri Upadhyaya Dushyant B.	Ph.D. in Applied Chemistry	Studies on organic complexing reagents.
71.	Shri Srinivas Nandakishore Mangalampalli	Ph.D. in Applied Physics	Thermoluminescence of beta and Gamma irradiated pretreated KCL : Ba."
72.	Shri Datir Upendra	Ph.D. in Applied Mechanics	"On mechanical behaviour of jointed rocks."
73.	Kum. Jawale Jayashree G.	Ph.D. in Applied Physics	Luminesence study of DI-HYDROXY Coumarin and its Co-polymer."
74.	Shri Murthy K.V.R.	Ph.D. in Applied Physics	Thermally stimulated luminescence of natural zeolites (Deccan Traps of Western India.")
75.	Shri Vidyasagar A.	Ph.D. in Applied Chemistry	Studies on slow-release fertilizers
76.	Kum. Nigam Ranjana Ramnarayan	Ph.D. in Applied Chemistry	Liquid crystals and liquid crystalline polymers synthesis and evaluation of their properties.

77.	Shri Joshi Dattuprasad Ramanlal	Ph.D. in Applied Physics	"Optical study of Hardness Anisotroby and chemical dissolution & crystalline materials (calcite and sodium nitrate crystals)
	Faculty of Home Science		
78.	Kum. Rajor Kirti Harbans	Ph.D. in Clothing & Textiles	A study of the Diversity of Costumes of Costumes of North-Western India."
79.	Smt. Siddiqui S. Sultana Hazarika	Ph.D. in Education & Extension	"Impact of Rural Factional Literacy programme on rural women of Jorhat district of Assam."
80.	Smt. Nambiar Vijaya	Ph.D. in	"An Exploratory study of the Determinants of optimum utilization of selected community facilites by Urban poor Families of Hyderabad."
	Faculty of Social Work		
81.	Smt. Joshi Sandhya	Ph.D. in Social Work	"Social intervention for health and growth monitoring of under five slim children."

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RESULTS OF THE UNIVERSITY EXAMNATIONS OF FIRST-HALF OF 1990

Sr.No.	Examination	No. Regd.	Ab-Sent	Number apperaed Men	Women	Total	NUMBER PASSED MEN I Class Dist.	I Class	II Class	Pass Class	Total	WOMEN I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total	Percentage of Passes
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF ARTS																	
1.	F.Y.B.A.	1231	120	493	618	1111	-	34	95	148	257	-	83	96	118	297	554	40.98 %
2.	S.Y.B.A.	943	54	357	532	889	-	-	-	233	233	-	-	-	379	379	612	68.74 %
3.	T.Y.B.A.	515	6	197	312	509	6	36	68	39	149	16	36	106	117	275	424	83.30 %
4.	M.A.Part -I	417	50	113	254	367	-	-	-	92	92	-	-	-	214	214	306	83.37 %
5.	M.a. Part II	204	2	57	145	202	-	7	19	18	44	2	16	44	58	120	164	81.18%
6.	Dip. in German Language	17	4	6	7	13	-	2	1	1	4	2	3	2	-	7	11	84.61%
7.	Post-Dip. in Russian Language	2	-	1	1	2	-	-	-	1	1	-	-	1	-	1	2	100 %
8.	U.G.Dip in Modern Arabic Language	7	1	2	4	6	-	-	-	-	-	3	-	-	1	4	4	66.66%
9.	Bachelor of Library & Infor mation Science	29	-	9	20	29	-	7	2	-	9	-	12	6	-	18	27	93.10 %
10.	Master of Library & Infor mation Science	5	-	3	2	5	-	2	1	-	3	1	1	-	-	2	5	100 %
11.	Acharya	5	1	3	1	4	-	2	-	1	3	-	-	1	-	1	4	100 %
12.	Shastri	2	1	1	-	1	-	-	1	-	1	-	-	-	-	-	1	100 %
13.	Visharad	6	1	5	-	5	-	-	1	1	3	-	-	-	-	-	3	60 %

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	FACULTY OF SCIENCE																		
14.	F.Y.B.Sc.	1230	30	652	548	1200	-	28	106	117	251	-	39	93	108	240	491	40.91 %	
15.	S.Y.B.Sc.	843	21	438	384	822	-	-	-	314	314	-	-	-	279	279	593	72.14 %	
16.	T.Y.B.Sc.	700	25	331	344	675	11	64	79	93	247	11	61	129	72	273	520	77.03 %	
17.	M.Sc. (Previous)	338	33	164	141	305	_	_	_	105	105	_	_	_	130	130	235	77.04 %	
18.	M.Sc. (Final)	284	3	146	135	281	7	32	44	26	109	14	64	32	17	127	236	83.98%	
19.	M.Sc. (Applied Geology)	19	2	14	3	17	1	3	8	-	12	-	1	2	-	3	15	88.23%	
20.	P.g. Dip. in Cartography	1	-	1	-	1	-	-	1	-	1	-	-	-	-	-	1	100 %	
21.	Dip. in Laboratory Technique	8	-	7	1	8	-	3	1	3	7	-	-	1	-	1	8	100%	
22.	IInd year in Science Dip in Biochemistry (Evening Course)	3	-	3	-	3	-	-	-	1	1	-	-	-	-	-	1	33.33 %	
23.	IV th Year M.Sc. Dip in Bio Chemistry (Evening Course)	3	-	3	-	3	-	-	2	-	2	-	-	-	-	-	2	66.66 %	
	FACULTY OF EDUCATION & PSYCHOLOGY																		
24.	B.Ed.	193	5	62	126	188	-	7	47	-	56	3	43	68	1	115	171	91.59%	
25.	M.Ed.	17	-	9	8	17	1	3	4	-	8	-	5	3	-	8	16	94.11 %	
26.	P.G. Dip. in Human Resource Development & organisation Behaviour	48	1	43	4	47	-	13	17	7	37	-	1	3	-	4	41	87.23 %	
27.	P.G. Dip. in Clinical and Community psychology	11	-	2	9	11	-	1	1	-	2	1	5	2	1	9	11	100 %	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF COMMERCE																	
28.	F.Y.B. Com.	4036	286	1928	1822	3750	-	89	273	550	912	-	126	275	505	906	1818	48.48%
29.	S.Y.B.Com.	2927	170	1447	1310	2757	-	-	-	857	857	-	-	-	784	784	1641	59.52 %
30.	T.Y.B.Com.	2181	96	1169	916	2085	2	25	262	412	731	8	73	253	406	740	1471	70.55 %
31.	T.Y.B.Com. (O.Com. 25)	24	6	15	3	18	-	-	-	5	5	-	-	-	2	2	7	38.88 %
32.	M.Com. (Previous)	605	166	268	171	439	-	-	-	156	156	-	-	-	125	125	281	64%
33.	M.Com. (Final)	325	42	159	124	283	-	9	47	63	119	1	9	54	57	121	240	84.80 %
34.	P.G. Dip in Banking	32	5	7	20	27	-	-	1	1	2	-	-	1	5	6	8	29.62 %
35.	P.G. Dip. in Co-operation	88	18	28	42	70	-	-	-	10	10	-	-	-	23	23	33	49.14%
	FACULTY OF MEDICINE																	
36.	M.Sc. (Medical) Part -II	7	1	1	5	6	-	-	-	1	1	-	-	-	4	4	5	83.33%
37.	Dip. in Anaesthesiology	1	-	-	1	1	-	-	-	-	-	-	-	-	1	1	1	100 %
38.	Dip. in Opthalmology	5	-	3	2	5	-	-	-	3	3	-	-	-	2	2	5	100 %
39.	Dip. in Child Health	2	-	-	2	2	-	-	-	-	-	-	-	-	2	2	2	100 %
40.	Dip in Obstrics & Gyanecology	3	-	-	3	3	-	-	-	-	-	-	-	-	2	2	2	66.66%
41.	Dip. in Medical Radio Diagnosis Part- I	2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100 %
42.	Dip. in Medical Radio-Diagnosis Part -II	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	Nil

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
43.	Dip. in Tuber Culousis Diseases	2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100 %
44.	First M.B.B.S.	42	1	24	17	41	-	-	-	17	17	-	-	-	12	12	29	70.73%
45.	Second M.B.B.S. IInd Half, 1989.	44	-	34	10	44	-	-	-	26	26	-	-	-	9	9	35	79.54%
46.	Second M.B.B.S. I-Half, 1990	104	1	72	31	103	-	-	-	55	55	-	-	-	31	31	86	83.49%
47.	Third M.B.B.S.	50	-	37	13	50	-	-	-	18	18	-	-	-	5	5	23	46 %
48.	M.D.	42	-	31	11	42	-	-	-	19	19	-	-	-	8	8	27	64.29%
49.	M.S.	23	1	19	3	22	-	-	-	9	9	-	-	-	3	3	12	54.54%
50.	F.Y.B. Physio.	27	1	3	23	26	-	-	-	3	3	-	-	-	16	16	19	78.07%
51.	S. Y.B. Physio.	24	-	2	22	24	-	-	-	2	2	-	-	-	22	22	24	100%
52.	T.Y.B. Physio.	8	-	-	8	8	-	-	-	-	-	-	-	-	7	7	7	87.5%
53.	M.Chem.(Plastic (surgery)	2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100 %
54.	M. Pharm.	7	-	3	4	7	-	-	-	3	3	-	-	-	4	4	7	100%

FACULTY OF LAW

55.	First LL.B. (General)	505	226	206	73	279	-	1	30	6	37	-	-	19	1	20	57	20.43%
56.	Second LL.B. (General)	327	104	176	47	223	-	-	47	21	68	-	-	15	8	23	91	40.88 %
57.	LL.B. (Special)	118	24	75	19	94	-	1	48	5	54	-	-	11	1	12	66	70.21%
58.	LL.M. part I	32	16	11	5	16	-	-	-	1	1	-	-	-	-	-	1	6.25%
59.	LL.M. Part II	5	1	2	2	4	-	-	2	-	2	-	-	-	-	-	2	50 %
60.	Diploma in Labour Laws (D.L.P.)	130	52	51	27	78	-	-	-	23	23	-	-	-	11	11	34	43.58%
61.	* Diploma in Taxa-	128	48	57	23	80	1	-	-	32	33	-	-	-	12	12	45	56.25%

* No. Class awarded

$ Passed with Distinction

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF HOME SCIENCE																	
														@	£			
63	B.SC. (HOME)	149	4	-	145	145	-	-	-	-	-	01	+30	48	68	144	144	99 .31 %
64.	M.Sc.(Home)	36	1	-	35	35	-	-	-	-	-	-	15	19	1	35	35	100 %
65.	P.G. Diploma in	27	–	–	27	27	-	-	-	-	-	-	7	19	1	27	27	100%
66.	U.G. Certificate Course in early Child hood Care & Education	18	-	-	18	18	-	-	-	-	-	-	7	11	-	18	18	100%

O	Passed with O Grade
+	Passed with A Grade
@	Passed with B Grade
£	Passed with C & D Grade
*	NO Class is awarded

	FACULTY OF SOCIAL WORK																	
67	* M.S.W.	36	-	17	19	36	-	-	-	17	17	-	-	-	19	19	36	100%
68	*P.G.Diploma in I.R.P.M.	18	4	10	4	14	-	-	-	10	10	-	-	-	4	4	14	100%
	FACULTY OF MANAGEMENT STUDIIES																	
69.	M.B. A.	19	-	14	5	19	-	-	-	14	14	-	-	-	5	5	19	100%
	FACULTY OF PERFORMING ARTS																	
70.	Dip. in performing Arts	55	1	31	23	54	-	4	14	7	25	3	8	7	4	22	47	87.03 %
71.	B.P.A. (B.Mus.)	32	-	13	19	32	2	3	6	1	12	1	13	3	2	19	31	96.87 %
72.	M.P.A. (M.Mus.)	11	-	5	6	11	-	2	2	-	4	-	2	3	1	6	10	90.90 %
73.	Post Dip. in Dance (Natuvangam)	1	-	-	1	1	-	-	-	-	-	-	-	1	-	1	1	100%

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF FINE ARTS																	
75.	Diploma in Fine Arts	3	-	3	-	3	2	1	-	-	3	-	-	-	-	-	3	100%
76.	B.A. (Fine)	50	-	20	30	50	2	6	9	3	20	3	-	11	4	26	46	92 %
77.	M.A. (Fine)	36	-	22	14	36	1	7	12	-	20	1	-	6		13	33	91.66%
78.	Post Dip. in Fine	17	-	15	2	17	1	5	9	-	15	1	-	1	-	2	17	100%
79.	M.A. (Fine)-Museology	5	-	4	1	5	-	2	2	-	4	-	-	1	-	1	5	100%
80.	In service P.G. Diploma in Museology	1	-	1	-	1	-	1	-	-	1	-	-	-	-	-	1	100 %
	FACULTY OF TECHNOLOGY & ENGINEERING																	
81.	F.S. B.E. I (Civil)	51	6	41	10	51	–	–	–	20	20	–	–	–	8	8	28	–
82.	(Iwm)	25	1	21	4	25	–	–	–	12	12	–	–	–	3	3	15	–
83.	(IE) (Mech)	31	3	29	2	31	–	–	–	19	19	–	–	–	1	1	20	–
84.	(Elect)	25	3	23	2	25	–	–	–	10	10	–	–	–	2	2	12	–
85.	(Chem)	10	–	10	–	10	–	–	–	6	6	–	–	–	–	–	6	–
86.	(Met)	21	4	21	–	21	–	–	–	9	9	–	–	–	–	–	9	–
87.	(Electro)	11	–	11	–	11	–	–	–	5	5	–	–	–	–	–	5	–
88.	(Comp. Sci.)	26	–	22	4	26	–	–	–	15	15	–	–	–	1	1	16	–
89.	S.S. B.E. I (Civil)	118	2	89	29	118	1	3	33	17	54	–	3	8	7	18	72	–
90.	(IWM)	24	–	20	4	24	–	–	1	3	4	–	–	–	2	2	6	–
91.	(IE) (Mech)	103	1	92	11	103	3	13	30	12	57	1	3	4	–	8	65	–
92.	(Elect)	73	2	68	5	73	5	12	25	9	51	1	3	–	1	5	56	–
93.	(Chem)	32	–	25	7	32	5	4	9	3	21	1	3	3	–	7	28	–
94.	(Met)	48	2	41	7	48	–	2	13	2	17	–	2	3	–	5	22	–
95.	(Electro)	36	–	35	1	36	10	8	5	2	25	–	–	–	–	–	25	–
96.	(Comp. Sci)	64	–	57	7	64	10	8	16	8	42	3	3	–	–	6	48	–

1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
97.	F.S. B.E. II	(Civil)	48	1	44	4	48	–	–	–	32	32	–	–	–	4	4	36	–
98.		(IWM)	23	–	19	4	23	–	–	–	14	14	–	–	–	4	4	18	–
99.		(IW) (Mech)	46	1	44	2	46	–	–	–	33	33	–	–	–	1	1	34	–
100.		(Elect)	18	2	18	–	18	–	–	–	13	13	–	–	–	–	–	13	–
101.		(Chem)	20	–	20	–	20	–	–	–	11	11	–	–	–	–	–	11	–
102.		(Met)	22	1	21	1	22	–	–	–	12	12	–	–	–	–	–	12	–
103.		(Electro)	4	–	4	–	4	–	–	–	4	4	–	–	–	–	–	4	–
104.		(Comp. Sci)	7	2	7	–	7	–	–	–	3	3	–	–	–	–	–	3	–
105.	S.S. B.E. II	(Civil)	108	–	91	17	108	1	3	32	17	53	1	2	8	1	12	65	–
106.		(IWM)	30	1	26	4	30	–	–	2	8	10	–	–	1	–	1	11	–
107.		(IE) (Mech)	112	–	105	7	112	–	17	38	34	89	–	1	4	1	6	95	–
108.		(Elect)	91	–	84	7	91	5	10	28	17	60	1	1	3	1	6	66	
109.		(Chem)	36	–	36	–	36	1	2	12	6	21	–	–	–	–	–	21	–
110.		(Met)	50	–	42	9	50	1	5	12	10	28	–	1	3	4	8	36	–
111.		(Electro)	32	–	31	1	32	6	7	11	–	26	–	–	1	–	1	27	–
112.		(Comp. Sci)	66	1	54	12	66	12	8	14	3	37	6	1	3	–	10	47	–
113.	F.S. B.E. III	(Civil)	14	2	14	–	14	–	–	–	8	8	–	–	–	–	–	8	–
114.		(IWM)	3	–	3	–	3	–	–	–	2	2	–	–	–	–	–	2	–
115.		(Mech)	19	5	19	–	19	–	–	–	9	9	–	–	–	–	9	–	
116.		(IE)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
117.		(Elect)	9	–	9	–	9	–	–	–	2	2	–	–	–	–	–	2	–
118.		(Chem)	4	–	4	–	4	–	–	–	4	4	–	–	–	–	–	4	–
119.		(Met)	2	–	2	–	2	–	–	–	1	1	–	–	–	–	–	1	–
120.		(Electro)	8	1	8	–	8	–	–	–	1	1	–	–	–	–	–	1	–
121.		(Comp. Sci)	8	1 (Ab) 1 (HRD)	6	2	8	–	–	–	2	2	–	–	–	2	2	4	–
122.	S.S. B.E. III	(Civil)	114	2	106	8	114	2	17	40	25	84	1	2	4	–	7	92	–
123.		(IWM)	17	–	14	3	17	–	3	4	–	7	1	–	2	–	3	10	–

1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
124.		(Mech)	82	1 (Ab) 4 (HRD)	81	2	83	14	27	21	8	70	1	1	–	–	2	72	–
125.		(IE)	20	–	19	1	20	7	7	5	–	19	–	1	–	–	1	20	–
126.		(Elect)	57	1 (HRD)	52	5	57	13	12	14	2	41	–	1	3	–	4	45	–
127.		(Chem)	31	–	27	4	31	12	7	3	1	23	4	–	–	–	4	27	–
128.		(Met)	37	–	33	4	37	3	5	13	7	28	1	1	2	–	4	32	–
129.		(Electro)	45	–	41	4	45	4	16	11	3	34	–	1	–	1	2	36	–
130.		(Comp. Sci)	30	1 (HRD)	25	5	30	8	4	2	1	15	3	1	–	–	4	19	–
131.	F.S. B.E. IV	(Civil)	88	2 (Ab) 1 (Hrd)	66	22	88	–	–	–	61	61	–	–	–	22	22	83	–
132.		(IWM)	17	–	13	4	17	–	–	–	13	13	–	–	–	4	4	17	–
133.		(Mech)	66	2 (HRD) 1 (Ab)	66	–	66	–	–	–	62	62	–	–	–	–	–	62	–
134.		(IE)	19	–	14	5	19	–	–	–	–	14	–	–	–		5	19	–
135.		(Elect)	41	–	37	4	41	–	–	–		37	–	–	–		4	41	–
136.		(Chem)	20	–	18	2	20	–	–	–		18	–	–	–		2	20	–
137.		(Met)	21	–	19	2	21	–	–	–		19	–	–	–		2	19	–
138.		(Electro)	48	–	41	7	48	–	–	–		41	–	–	–		7	48	–
139.		(Comp. Sci)	34	–	31	3	34	–	–	–		31	–	–	–	–	3	34	–
140.	S.S. B.E. IV	(Civil)	3	1	2	–	3	–	–	–	1	1	–	–	–	–	–	1	–
141.		(Mech)	1	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
142.		(Elect)	5	–	5	–	5	–	–	–	–	–	–	-	–	–	–	–	–
143.		(Chem)	3	–	3	–	3	–	–	1	1	2	–	–	–	–	–	2	–
144.		(Electronic)	2	–	2	–	2	–	–	1	–	1	–	–	–	–	–	1	–
145.		(Comp.)	1	–	1	–	1	–	–	–	–	–	-	–	–	–	–	–	–

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146.	II FY Dip. (CME) Xth Passed		155	15	142	13	155	-	–	–	36	36	–	–	-	6	6	42	–

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
147.	II FY Dip. (CME) XIIth Passed	22	6	22	–	22	–	–	–	4	4	–	–	–	–	–	4	–
148.	II SY Dip. (CME) Xth Passed	110	14	103	7	110	–	–	–	40	40	–	–	–	4	4	44	–
149.	II SY Dip. (CME) XIIth Passed	39	5	39	–	39	–	–	–	20	20	–	–	–	–	–	20	–
150.	II FY Dip. (PCT)	7	–	6	1	7	–	–	-	2	2	–	–	–	1	1	3	–
151.	II SY Dip. (PCT)	17	2	13	4	17	–	–	–	6	6	–	–	–	4	4	10	–

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152.	II Sem of FY Dip. (CME) Xth	446	6	411	35	446	–	89	66	87	222	–	7	11	10	28	250	–
153.	II Sem FY Dip. (CME) XIIth	219	–	209	10	219	–	–	–	182	182	–	–	–	10	10	192	–
154.	II Sem SY Dip. (CME) Xth	587	3	541	46	587	–	141	165	102	408	–	10	22	8	40	448	76.71 %
155.	II Sem SY Dip. (CME) XIIth	427	1	417	10	427	–	128	161	74	363	–	2	3	5	10	373	87.55 %
156.	II Sem Final Year Dip. Civil Xth	91	–	73	18	91	–	33	160	4	53	–	11	4	–	15	68	94.44 %
157.	II Sem Final Year Dip. Mech. Xth	107	–	107	–	107	–	64	21	4	89	–	–	–	–	–	89	97.80 %
158.	II Sem of Final Year Dip. Elect Xth	106	–	92	14	106	–	49	20	1	70	–	10	1	–	11	71	–
159.	II Sem of Final Year Dip. Civil XIIth	49	–	45	4	49	–	27	12	2	41	–	4	–	–	4	45	100 %
160.	II Sem of Final Year Dip. Mech XIIth	56	–	56	–	56	–	47	8	–	55	–	–	–	–	–	55	100 %

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
161.	II Sem of Final Year Dip. Elect. XIITh	72	-	69	3	72	–	46	19	1	66	–	1	1	–	2	68	98.55%
162.	II Sem of FY Dip. (PCT)	55	2	55	–	55	–	28	6	9	43	–	–	–	–	–	43	86.80%
163.	II Sem of SY Dip. (PCT)	92	1	80	12	92	–	18	30	15	63	–	4	3	1	8	71	89 %
164.	II Sem TY Dip. (PCT)	49	–	–	–	49	–	32	9	–	41	–	2	–	–	2	43	100 %

RESULTS OF THE UNIVERSITY EXAMNATIONS OF SECOND HALF OF 1990

Sr. NO.	Examination	No. Regd.	Ab-Sent	Number apperaed Men	Women	Total	NUMBER PASSED MEN I Class Dist.	I Class	II Class	Pass Class	Total	WOMEN I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total	Percentage of Passes
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULYT OF ARTS																	
1.	F.Y.B.A.	492	76	149	267	416	-	-	1	25	26	-	-	-	54	54	80	19.23 %
2.	S.Y.B.A.	237	117	117	120	237	-	-	-	-	185	-	-	-	-	52	237	25.69 %
3.	T.Y.B.A.	42	5	29	8	37	-	-	-	14	14	-	-	-	6	6	20	54.05 %
4.	M.A. PART -I	61	10	19	32	51	-	-	-	8	8	-	-	-	18	18	26	50.98 %
5.	M.A. II	14	1	6	7	13	-	1	1	1	3	-	1	1	2	4	7	53.84%
	FACULTY OF SCIENCE																	
6.	F.Y.B.Sc.	622	35	362	225	587	-	6	23	187	216	-	4	19	158	181	387	67.63%
7.	S.Y.B.Sc.	205	30	92	83	175	-	-	-	-	47	-	-	-	56	56	103	58.85 %
8.	T.Y.B.Sc.	137	-	73	64	137	-	3	6	29	39	-	1	12	21	34	93	65.17%
9.	M.Sc. (Prev.)	66	19	38	9	47	-	-	-	21	21	-	-	-	5	5	26	55.32%
10.	M.Sc. (Final)	26	6	15	5	20	-	1	3	4	8	-	-	-	2	2	10	50%
11.	M.Sc. (App. Geology)	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	Nil
12.	M.Sc. -Bio-chemistry 2nd year (Evening Course)	2	-	2	-	2	-	-	-	2	2	-	-	-	-	-	2	100 %
	M.Sc. Biochem-istry 4th year (evening Course)	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	100 %

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF COMMERCE																	
13.	F.Y.B. Com.	1647	1145	239	265	504	-	-	2	257	239	-	-	-	265	265	504	31.05%
14.	S.Y.B.Com.	922	717	87	118	205	-	-	-	-	165	-	-	-	-	40	205	30.4%
15.	T.Y.B.Com.	437	108	173	156	329	-	-	-	33	33	-	-	2	52	54	87	26.44%
16.	T.Y.BCom. (o.Com. 25)	5	1	3	1	4	-	-	-	3	3	-	-	-	1	1	4	100%
17.	M.Com(Prev)	131	41	-	-	90	-	-	-	-	67	-	-	-	-	23	-	-
18.	M.Com.(Final)	62	17	29	16	45	-	1	9	4	14	-	-	2	9	11	25	55.55 %
19.	P.G. Dip. in Banking	8	3	-	-	5	-	-	-	1	1	-	-	-	1	1	2	40 %
20.	P.G. Dip. in	13	4	6	2	7	-	-	-	2	2	-	-	-	-	-	2	28.57 %
	FACULTY OF MEDICINE																	
21.	*IST M.B.B.S.	144	1	88	55	143	-	-	-	63	63	-	-	-	44	44	107	64.82%
22.	*Second M.B.B.S.	65	-	51	14	65	-	-	-	39	39	-	-	-	9	9	48	73.84%
23.	Third M.B.B.S.	143	3	-	-	65	-	-	-	39	39	-	-	-	-	58	97	69.28
24.	* M.D.	24	-	-	-	18	-	-	-	13	13	-	-	-	-	5	18	75 %
25.	* M.S.	19	-	-	-	12	-	-	-	11	11	-	-	-	-	1	12	63%
26.	* F.Y.B. physio.	2	-	-	2	2	-	-	-	-	-	-	-	-	1	1	1	50%
27.	*T.Y.B. physio	28	-	2	26	28	-	-	-	2	2	-	-	-	20	20	22	78.57%

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	FACULTY OF LAW																	
28.	Second LL.B. (General)	163	75	74	14	88	-	-	3	12	15	-	-	1	2	3	18	20.45%
29.	*LL.M.Part-I	8	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	Nil
30.	LL.M. Part II	4	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	Nil
31.	Dip. in Labour Laws (D.L.P.)	25	12	10	3	13	-	-	-	4	4	-	-	-	-	-	4	30.76%
32.	*Dip. in Taxation Laws (D.T.P.)	35	17	13	5	18	-	-	-	9	9	-	-	-	1	1	10	55.55 %
	FACULTY OF HOME SCIENCE																	
33.	B.Sc. (Home)	8	3	-	5	5	-	-	-	-	-	-	-	@1	£3	4	4	80%
34.	M.Sc. (Home)	3	-	-	3	3	-	-	-	-	-	-	-	1	1	2	2	66.66 %
	FACULTY OF TECHNOLOGY & ENGINEERING																	
35.	II Sem. F. Text. (Tech. Engg.)	13	2	10	1	11	-	-	-	6	6	-	-	-	-	-	6	-
36.	II Sem. S. Text (Tech . Engg.)	6	1	5	-	5	-	-	-	4	4	-	-	-	-	-	4	-
37.	II E. Text. Engg.	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	-
38.	Ii E. Text. Tech.	3	1	2	-	2	-	-	-	1	1	-	-	-	-	-	1	-
39.	II B. Text Tech.	14	-	12	2	14	2	5	5	-	12	2	-	-	-	2	14	-

* No Class is awarded
@ Passed with B Grade
Passed with C & D Grade

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
40.	II B. Text Engg.	9	-	8	1	9	3	1	3	-	7	-	1	-	-	1	8	-
41.	II F.Y, DTC.	23	1	20	2	22	-	-	-	5	5	-	-	-	1	1	6	-
42.	II S.Y. DTC.	5	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
43.	II F.Y. D.T.T.	9	-	8	1	9	-	-	-	-	-	-	-	-	1	1	1	-
44.	II S.Y. D.T.T.	5	-	5	-	5	-	-	-	2	2	-	-	-	-	-	2	-
45.	II Final D.T.T.	5	3	2	1	2	-	-	1	1	2	-	-	-	-	-	2	-
46.	II Final BSc.D.T.C.	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
47.	II S.Y. BSc. Tech. Text Chem.	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
48.	II T.Y. Bsc. Tech Text chem.	6	-	6	-	6	2	1	1	1	5	-	-	-	-	-	5	-
49.	II Sem B.E.I.	119	8	95	16	111	-	-	-	55	55	-	-		12	12	67	-
50.	II Sem. B.E.II	137	5	123	9	132	-	-	1	77	78	-	-	-	5	5	83	-
51.	II Sem B.E. III	69	5	67	2	69	-	-	-	36	36	-	-	-	2	2	38	-
52.	II B.E. IV Final	352	-	-	-	352	159	46	38	5	248	24	15	3	-	42	290	-
53.	II Sem. B.E.I. Post B.Sc. Electronic	8	-	6	2	8	-	-	-	5	5	-	-	-	1	1	6	-
54.	II B.E. II Post B.Sc. Eloctronic	17	-	14	3	17	-	-	-	11	11	-	-	-	1	1	12	-
55.	II B.E. Final Post B.Sc. (Elotronic)	21	19	2	21	-	1	7	7	15	-	2	-	-	2	17	80.95%	
56.	II B parm I	9	-	4	5	9	-	-	-	1	1	-	-	-	5	5	6	-
57.	II B. Pherm Ii	5	-	3	2	5	-	-	-	1	1	-	-	-	2	2	3	-
58.	II B Pherm III	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	-
59.	II Sem. B. Pharm. Final	22	-	1	21	22	-	-	1	-	1	4	5	9	1	19	20	-
60.	II B Arch I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61.	II B. Arch I	7	1	5	-	6	-	-	-	5	5	-	-	-	-	-	5	-
62.	II B. Arch II	9	1	4	4	8	-	-	-	3	3	-	-	-	-	-	3	-
63.	II B. Arch III	10	-	6	4	10	-	-	-	2	2	-	-	-	2	3	4	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
64.	II B. Arch IV	27	-	19	8	27	-	4	13	2	19	-	-	7	-	7	26	-
65.	II Sem B.rch V	39	3	7	29	36	1	5	1	-	7	-	13	10	1	24	31	91.66 %
66.	M.E. Part I	110	8	97	5	102	-	-	-	91	91	-	-	-	5	5	96	-
67.	M.E. Part II	3	-	2	1	3	-	-	-	2	-	-	-	-	-	-	2	-
68.	M.E. Part III	61	-	56	5	61	24	20	5	-	49	2	1	-	-	3	52	-
69.	II Sem. P.G. Dip Geo Tech.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70.	II Sem P.G. Dip oper Resh.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.	II Sem P. G. Dip Envir Sc.	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	-
72.	II Sem. P.g. Dip Comp. App.	2	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
73.	II Sem M.C.A .I	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	1	-
74.	Sem. M.C.A. II	15	-	12	3	15	1	6	3	1	10	1	2	-	-	3	13	
75.	II Sem. M.C.A. III	19	-	14	5	19	4	5	2	1	12	2	3	-	-	5	17	-
76.	I Sem M.Sc. Appl. Phy.	27	2	20	5	25	-	-	-	16	16	-	-	-	5	5	21	-
77.	II Sem M.Sc. Appl. Phy	4	-	4	-	4	-	-	-	2	2	-	-	-	-	-	2	-
78.	Appl. Phy	24	-	18	6	24	-	-	-	13	13	-	-	-	5	5	18	-
77.	IV Sem MSc. Appl Phy.	25	1	24	-	24	2	7	14	-	23	-	-	-	-	-	23	-
78.	I Sem M.Sc. Appl. Chem.	29	3	21	5	26	-	-	-	19	19	-	-	-	5	5	24	-
79.	II Sem Msc. Appl. Chem	5	3	2	-	2	-	-	-	1	1	-	-	-	-	-	1	-
80.	III Sem M.Sc. Appl. Chem	30	-	23	7	30	-	-	-	18	18	-	-	-	5	5	23	-
81.	IV Sem M.Sc. Appl. Chem.	20	-	10	10	20	-	7	2	-	9	2	7	-	-	9	18	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
82.	I Sem M.sc. Appl. Maths	37	3	17	17	34	-	-	-	23	23	-	-	-	11	11	34	-
83.	II Sem M.Sc. Appl. Maths	3	-	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
84.	III Sem M.Sc. Maths	40	3	15	22	37	-	-	-	10	10	-	-	-	19	19	29	-
85.	IV Sem M.Sc. Maths	19	-	13	6	19	2	5	1	2	10	2	-	2	1	5	15	-
	POLYTECHNIC																	
86.	II Sem Final Year (DCE)(X)	15	-	15	-	15	-	1	1	1	-	-	-	-	-	-	3	-
87.	II Sem Final Year (DME)(X)	6	-	6	-	6	-	1	-	2	-	-	-	-	-	-	3	-
88.	II Sem. Final year (DEE)(X)	22		20	2	22	-		-2	5	7	-	-	1	1	2	9	-
89.	II Sem Fianl year (DCE) (HSc)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.	II Sem Final year (DME)(HSc.)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.	II Sem Final year (DEE) (HSc.)	1	-	-	1	1	-	-	-	-	-	-	-	1	-	1	1	-
92.	II Sem Final year (EDC) (DCE)	4	-	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
93.	II Sem Final year (EDC) (DME)	3	-	3	-	3	-	-	1	-	1	-	-	-	-	-	1	-
94.	II Sem Final year (DEE)(EDC)	9	-	9.	-	9	-	-	-	2	2	-	-	-	-	-	2	-
95.	II Sem Final year PCT	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

List of Degree/Diploma conferred at the Annual Convocation (1989-90) held on 17.4.1991.

Sr. No.	Degree	No. of Cancidates
1.	Ph. D.	11
2.	Ph. D. (Science)	42
3.	Ph. D. (Education & Psychology)	13
4.	Ph. D. (Commerce)	7
5.	Ph. D. (Medicine)	1
6.	Ph. D. (Technology & Engineering)	14
7.	Ph. D. (Home Science)	6
8.	Ph. D. (Fine Arts)	1
9.	Ph. D. (Social Work)	2
10.	M.D.	37
11.	M. S.	16
12.	M. Phil. (Arts)	9
13.	M.A.	215
14.	Acharya	1
15.	Master of Library Science	5
16.	B.A.	401
17.	Shastri	3
18.	Bachelor of Library Science	19
19.	M. Phil (Science)	3
20.	M. Sc. (Final)	258
21.	B.Sc.	535
22.	Diploma in Cartography	4
23.	M. Phil (Education and Psychoology)	3
24.	M. Ed.	21
25.	B. Ed.	189
26.	Dip. in Organisation Behaviour	

27.	Dip. in Clinical Psychology	8
28.	P. G. Dip in H.R.A.	21
29.	M. Com.	309
30.	B. Com.	1532
31.	P. G. Dip in Banking	11
32.	M.B.A.	26
33.	M.C.H. (Medicine)	-
34.	M. Sc. (Medical)	-
35.	M.B.B.S.	134
36.	B. Physio.	24
37.	D. O.	2
38.	D.A.	1
39.	D.V.D.	2
40.	D.M.R.D.	-
41.	T.D.D.	3
42.	D.C.P.	2
43.	D.G.O.	4
44.	D.C.H.	4
45.	D.I.H.	1
46.	M.E.	60
47.	M. Text. Engg.	3
48.	M. Text. Chem.	1
49.	M. Pharm.	5
50.	M.C.A.	20
51.	M.Sc. (Applied Physics)	16
52.	M.Sc. (Applied Mathematics	12
53.	M. Sc. (Applied Chemistry	16
54.	M. Sc. (Geotechnology)	3
55.	B.E. IV/B.E. (Electro.)/B.E. (PTD)	489
56.	B. Text. (Engg)	19

57.	B. Text. (Tech.)	15
58.	B. Arch	19
59.	B. Pharm.	23
60.	T. Y. B. Sc. (Tech.) - Text. Chem.	9
61.	P. G. Dip. in Operation Research	1
62.	P. G. Dip. in Environmental Science	15
63.	P. G. Dip. in Geotechnic	1
64.	P. G. Dip. in Corrosion Tech.	1
65.	P. G. Dip. in Solid State Electronics	15
66.	P. G. Dip. in Computer Application	39
67.	LL.M.	6
68.	LL.B. (Special)	93
69.	LL.B. (General)	139
70.	D.T.P.	75
71.	D.L.P.	63
72.	M.A. (Fine & Museology)	27
73.	B.A. (Fine)	33
74.	M. Phil (Home Science)	2
75.	M. Sc. (home)	42
76.	B. Sc. (Home)	137
77.	Pre-School Education	26
78.	M. S. W.	41
79.	I.R.P.M.	11
80.	M.P.A.	23
81.	B.P.A.	22

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Statement showing the number of Teaching staff of Various Faculties/ Institutions as on 31st March 1991

Sr. No.	Faculties/ Institutions	Professor	Reader	Lecturer	Teaching Assistant	Henorary Research and other	Part time	Total
1.	Faculty of Arts	27	64	57	02	—	—	150
2.	Faculty of Science	32	59	57	37	13	—	198
3.	Faculty of Edu. & Psy.	07	13	11	01	05	—	37
4.	Faculty of Commerce	10	13	19	16	14	—	72
5.	Faculty of Tech. & Engg.	57	116	66	24	67	—	330
6.	Faculty of Fine Arts	07	16	12	—	—	—	35
7.	Faculty of Home Science	09	20	19	09	08	—	65
8.	Faculty of Social work	01	08	03	02	—	01	15
9.	Faculty of Law	02	03	04	—	—	11	20
10.	Oriental Institute	02	01	06	—	—	—	09
11.	Faculty of Performing Arts	04	04	39	—	—	—	47
12.	Faculty of Management Studies	03	—	—	—	—	—	03
13.	Baroda Sanskrit Mahavidyalay	—	—	05	—	10	—	15
14.	Shri M.K. Amin Arts and Science college and college of commerce, Padra	01	—	12	08	07	01	29
15.	Polytechnic	—	—	96	—	03	—	99
	Total	**162**	**317**	**406**	**99**	**127**	**13**	**1124**

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The Statement showing the staff-student ratio

The total mamber of teachers including Teaching Assistants, Senior/Junior Instuctors, Tutors, Honorary Research and part-time Lecturer in the Faculties and Institutions of the University during the year under report was 1124 excluding 227 teachers of Medical college as against the total student enrolment of this gives an overall teachers-students ratio. The corresponding strength of University teachers and staff-students ratio over the last five years is indicates below:

Year	No. of University Teacher	Student Enrolment	Staff-student ratio
1986-87	1,281	23,544	1 : 18.4
1987-88	1,108	22,557	1 :20.4
1988-89	1,162	23,618	1 :20.3
1989-90	1,125	25,313	1 :22.4
1990-91	1,124	26,007	1 :23.1

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Statement showing the staff-student ratio in different faculties /Institutions during 1990-91

	Faculties/Institutions	No. of Teachers	Student Enrolment	Staff Student Ratio
1.	Faculty of Arts	150	3782	1 :25
2.	Faculty of Science	198	3107	1:16
3.	Faculty of Education & Psychology	37	483	1:13
4.	Faculty of Commerce	72	7681	1:106
5.	Faculty of Medicine	227	1109	1:5
6.	Faculty of Technology & Engineering	330	2932	1:9
7.	Faculty of Fine Arts	35	357	1:10
8.	Faculty of Home Science	65	762	1:12
9.	Faculty of Social work	15	84	1:6
10.	Faculty of Law	20	1042	1:52
11.	Faculty of Performing Arts	47	1015	1:22
12.	Faculty of Management Studies	3	56	1:18
13.	Baroda Sanskrit Mahavidyalaya	20	267	1:14
14.	Shri M.K. Amin Arts & Science College & College of Commerce Padra	28	1950	1:70
15.	Polytechnic	99	2174	1:22

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Statement showing Non-Teaching Staff in various Faculties/Institutions.

Sr. No.	Name of the Institution/Faculty	III Class employees	IV Class employees	Total
1.	University Office	124	40	164
2.	Construction Division (all gardens)	34	76	110
3.	Office of the Journal of M.S. University of Baroda	1	1	2
4.	University Health Centre	6	3	9
5.	Physical Education Department	9	11	20
6.	Faculty of Arts	32	26	58
7.	Faculty of Science (Clerks & Tech.)	176	21	197
8.	Faculty of Education and Psychology	9	8	17
9.	University Experimental School	5	5	10
10.	Department of General Education	7	8	15
11.	Faculty of Commerce	18	31	49
12.	Faculty of Technology and Engineering	116	97	313
13.	Irrigation & Management	7	4	11
14.	Faculty of Law	6	5	11
15.	Faculty of Fine Arts	18	20	38
16.	Faculty of Home Science	19	31	50
17.	Faculty of Social Work	9	7	16
18.	Oriental Institute	9	6	16
19.	Faculty of Performing Arts	13	11	24
20.	Baroda Sanskrit Mahavidyalaya	2	4	6

21.	Shri M.K. Amin Arts & Science College and College of Commerce, Padra.	14	13	27
22.	Polytechnic	96	64	160
23.	Centre of Advance Study in Education	4	1	5
24.	Smt. hansa Mehta Library	66	27	93
25.	University Guest House	1	4	5
26.	The M. S. University of Baroda Press	59	12	71
27.	Halls of Residence	7	111	118
28.	Sheth U.P.A.R. Unit	2	2	4
29.	The M. S. University Union	1	2	3
30.	Centre for Continuing Adult Education & Community Services	4	1	5
31.	AICS Training Centre	2	1	3
32.	Population research Centre (Faculty of Science)	15	1	16
33.	Computer Centre	6	2	8
34.	Faculty of Management Studies	4	3	7
35.	U.G.C. Special Assistance Programme Department of Geology, Faculty of Science	-	2	2
	Total	**990**	**661**	**1,651**

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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 attendence over a period of last five years.

Year	Staff and their Facilites	%	Number of Cases Students	%	Treated Total cases	Daily average Attendance
1986-87	29,850	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	144.0
1990-91	35,635	78.81	9,580	21.19	45,215	152.00

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THE MAHARAJA SAYAJIRAO

CAPITAL ACCOUNTS

LIABILITIES	Rs.	P.	Rs.	P.
I. Ayruvedic Research Fund (Sheth U.P. Ayurvedic Research Unit)				
As per last Account	10,28,083.04			
Add : Inst. received during the year	1,24,182.71			
	11,52,265.75			
Less : Amount transfered to meet the excess recurring expenditure over the income and the state Government Grant during the year	1,83,164.20			
	9,69,101.55			
Dues to the Univesity	3,49,504.67		**13,18,606.22**	
II. Post-Graduate Instruction and Research Fund				
As per last Account	1,03,90,248.51			
Add : Int. received during the year	2,81,816.11			
	1,06,72,064.62			

UNIVERSITY OF BARODA

AS ON 31-3-1990

	ASSETS	Rs. P.	Rs. P.
I.	**Ayurvedic Research Fund** (Sheth U.P. Ayurvedic Research Unit)		
	Construction of Resashala as per last Account	54,729.84	
	Partition for Office as per last Account	1,873.50	
	Building and Equipment for Out-Patient Ward and Dispensary as per last account	29,730.76	
	Purchase of equipment and Furniture as per last Account	11,812.27	
	Fixed Deposits with Banks :		
	Bank of Baroda Main Office Branch	1,33,600.85	
	Bank of Baroda Sayajigunj Branch	27,000.00	
	Bank of Baroda Uni. Campus Branch	7,72,494.00	
	Central Bank of India Station Road Branch, Baroda	97,500.00	
	State Bank of India, Baroda	1,09,265.00	
	State Bank of Saurashtra	12,000.00	
	Anyonya Sahayakari Mandali Co-op. Bank Ltd. Baroda	20,800.00	
	Bank of India, Uni. Road, Baroda	47,800.00	**13,18,606.22**
		12,20,459.85	
II.	**Post-Graduate Instruction and Research Unit**		
	Fixed Deposit with Bank :		
	Bank of Baroda Main Office	76,56,684.70	
	Bank of Baroda Uni. Campus Branch	15,000.00	
	Central Bank of India, St. Rd. Branch, Baroda.	3,400.00	

CAPITAL ACCOUNTS

		Rs.	P.	Rs.	P.
i)	Expenditure on Research Schemes (incl. Research Asstt.)	2,49,303.42			
ii)	12 Scholarships of Rs. 400/- p.m. and Contingent grant of Rs. 1,000/- p.a. per scholar	59,334.24			
iii)	Travelling Allowance to Teaching Staff	86,636.83		**1,02,76,790.13**	
		3,95,274.49			
III	**University General Fund**				
	As per last Account	16,16,74,786.55			
	Add : Interest received during the year	1,46,521.40			
		16,18,21,307.95			
	Adjustment of Expenditure out of UGC and/or State Government Grants during the year 1990-91 on Construction of Building, Purchases of Building, Purchase of Equipment and Books etc. under Five Year Development Plans	86,93,907.92		**17,05,15,215.87**	

AS ON 31ST MARCH, 1990

		Rs. P.	Rs. P.
Corpn., Bank Ltd., Baroda		24,500.00	
State Bank of India, Baroda		29,700.00	
Baroda City Co-op. Bank Ltd., Baroda		2,784.60	
Bombay Mercantile Bank Ltd.,		1,89,800.00	
State Bank of Saurashtra	1,10,000.00	80,31,869.30	
		22,44,920.83	**1,02,76,790.13**
Dues from the University			
III. University General Fund			
Building Works : As per last Account		7,74,96,852.97	
Add : Additions during the 1990-91 out of UGC and/or State Government Grants for Development Schemes		24,43,107.97	7,99,39,960.94
Equipment, Apparatus and Furniture :			
As per last Account		5,71,74,308.32	
Add : Additions during the 1990-91 out of UGC and/or State Government Grants for Development Schemes		49,57,106.90	6,21,31,415.22
Books and Periodicals			
As per last Account		2,17,33,585.73	
Add : Additions during the year 1990-91 out of UGC and/or State Government Grants for Development Scheme		12,93,693.05	2,30,27,278.78
Replacement of Pumps and materials for Bores at Ketki Baug, Polytechnic, Adhyapak Kutir and Kalabhavan Walls as per last Account		91,387.00	
M.S. University of Baroda Press : (Sadhana Press)			
(a) Machinery as per last Account		2,43,269.39	

STATEMENT OF AFFAIRS

		Rs.	P.	Rs.	P.
IV	**Capital Expenditure Fund-Sir Sayajirao Diamond Jubilee and Memorial Trust**				
	As per last Account	75,92,707.25			
	Add : Amount received during the year	6,25,000.00			
	Add : Interest received during the year	6,16,141.11			
	Add : Sale of Old Computer	1,72,172.00			
		90,06,020.36			
	Less : Payment made during the year	6,69,281.85		**83,36,738.51**	

AS ON 31ST MARCH, 1990

			Rs.	P.	Rs.	P.
	(b)	Purchase of New Machinery	28,50,000.00			
	(c)	Types and Metals and as per last Account	75,602.43			
	(d)	Furniture as per last Account	22,912.24			
	(e)	For other purpose as per last Account	25,276.00			
	(f)	Building as per last Account	4,24,419.55			
			36,41,479.61			
	Investment Fixed Deposits with Banks					
		Bank of Baroda Main Office	38,995.25			
		Central Bank of India, Station Road, Baroda	300.00			
		State Bank of India, Baroda	1,495.00			
		Baroda City Co-op. Bank Ltd., Baroda	800.00			
			41,590.25			
		Dues from the University	16,42,104.07		**17,05,15,215.87**	
IV	**Capital Expenditure Fund - Sir Sayajirao Diamond Jubilee and Memorial Trust**					
	State Bank of India, Baroda		11,01,515.96			
	Central Bank of India Station Road Branch, Baroda		5,13,149.65			
			16,14,665.61			
	Dues from the University		67,22,072.90		**83,36,378.51**	

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Receipts & Expenditure for the year 1991 i.e. from 1-4-90 to 31-3-91

PART - NON PLAN SECTION - A

REVENUE ACCOUNT

RECEIPTS			*DISBURSEMENTS*		
Sr. No.	Particulars	Rs. Ps.	Sr. No.	Particulars	Rs. Ps.
I.	**(A) Grant from the State Government (1 to 2)**	**13,58,07,760.76**		**University General Admn. (1 to 14)**	**60,52,833.33**
2.	(1) Block Grant from State Government	7,30,40,000.00	1.	**Vice-Chancellor**	**62,543.39**
	(2) Additional Block Grant from State Govt.	6,27,67,760.76		(a) Salary	48,272.26
	(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	2,91,74,824.00		(b) Dearness Allowance	13,869.10
				(c) Addl. Dearness Allowance	--
				(d) Adhoc Dearness Allowance	--
				(e) Compensatory Local Allow.	402.03
				(f) Medical Allowance	--
				(g) Interim Relief	--
	(b) 3.5% Wage Bills Grant on the Wage Bill of Proceeding year on a cummulative basis during each year of the triennium for annual increments etc.	1,09,56,381.00	2.	**Pro-Vice -Chancellor**	**68,943.83**
				(a) Salary	53,690.32
				(b) Dearness Allowance	14,595.29
				(c) Addl. Dearness Allow	--
				(d) House Rent Allowance	--
				(e) Adhoc Dearness Allow.	--
				(f) Compensatory Local Allow.	331.61
				(f) Medical Allowance	326.61
				(g) Interim Relief	--
	(c) Additional Grants :				
	(1) Degree Course in Pharmacy (Faculty of Tech. & Engg.) from 1.7.78 and onwards	21,69,291.76	3.	**Officers**	**4,86,556.59**
				(a) Salary	3,39,463.12
				(b) Dearness Allowance	1,13,658.47
				(c) House Rent Allowance	23,200.00
				(d) Compensatory Local Allow.	4,760.00
				(e) Medical Allowance	5,475.00
	(2) Additional grant of Medical allowance from 1-1-90 to 31-7-90	13,00,000.00			
	(3) Towards Works of Ordinary Repairs to Building	15,00,000.00			
	(4) Towards additional accomo-dation of Engineering classes for first year Tech. & Engg. students to the year 1988-89 (Parallel courses)	18,00,000.00	4.	**Clerks & Technicians**	**38,68,661.59**
				(a) Salary	23,17,778.74
				(b) Dearness Allowance	9,31,333.05
	(5) Grant for Difference of Dogra pay commission to Teacher's of Tech. & Engg. 1-8-86 to 28-2-90	95,21,634.00			

Sr. No.	Particulars	Rs.	Ps.
	(6) Grant towards C.P.F. contribution & Gratuity Contribution Trienuim for the yer 1988-91	24,45,630.00	
	(7) Towards the expenditure on payment of Adhoc Bonus	14,00,000.00	
	(8) Grant Towards revised Pay Scale to University Teachers as per Malhotra Pay Commis. sion w.e.f. 1.1.86	25,00,000.00	
	(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)**	**1,14,65,065.43**	
	(a) Academic		
	(i) Tuition Fees and Misc. Income from Faculties and Institutions	89,83,017.24	
	(1) Faculty of Arts	5,75,219.84	
	(2) Faculty of Science	10,21,553.05	
	(3) Faculty of Edu. & Psy.	18,67,394.95	
	(4) Faculty of Commerce	16,31,011.90	
	(5) Faculty of Management Studies	1,05,692.00	
	(6) i) Faculty of Technology & Engineering	16,00,093.40	
	ii) Introduction of Degree Course in Pharmacy	25,930.00	
	iii) Part-time degree course in Diploma Students in C.M.E.	2,29,869.10	
	iv) Irrigation Management & Training Institute	38,395.00	
	(7) Faculty of Law	3,01,428.00	

Sr. No.	Particulars	Rs.	Ps.
	(c) House Rent Allowance	4,45,962.43	
	(d) Compensatory Local Allow.	56,326.22	
	(e) Medical Allowance	1,16,579.15	
	(f) Washing Allowance	682.00	
5.	**Class IV Servants**	**6,71,725.04**	
	(a) Salary	4,04,246.86	
	(b) Dearness Allowance	1,61,802.67	
	(c) House Rent Allowance	55,119.61	
	(d) Compensatory Local Allow.	11,014.48	
	(e) Medical Allowance	34,251.92	
	(f) Washing Allowance	5,289.50	
6.	**Temporary Staff**	**4,83,100.81**	
7.	**Cell for Welfare of Backward Class**	**1,32,773.68**	
8.	**Acting Allowance**	**--**	
9.	**University Contribution to Providend Fund**	**22,107.00**	
10.	**Contribution to Gratuity**	**--**	
11.	**Encashment of Leave**	**91,636.70**	
12.	**Leave Travel Concession**	**21,371.70**	
13.	**Adhoc Bonus**	**1,43,413.00**	
14.	**Encashment of Leave Travel Concession**	**--**	
	Examination Charges (1 to 16)	**48,06,363.76**	
1.	**Remuneration of Examiners :**	**24,95,659.62**	
	(a) Arts Examination	1,59,889.34	
	(b) Science Examination	2,34,372.18	

Sr. No.	Particulars	Rs.	Ps.
(8)	Faculty of Fine Arts	1,34,877.40	
(9)	Faculty of Home Science	1,59,666.00	
(10)	Faculty of Scoial Work	24,110.00	
(11)	Faculty of Performing Arts	69,956.30	
(12)	Sanskrit Mahavidyalaya	8,843.50	
(13)	Shri M.K. Amin Arts and Science College & College of Commerce, Padra	5,31,711.00	
(14) (a)	Polytechnic	3,15,027.00	
(b)	Extended Dipoma course in Civil, Mechanical & Electrical engineering	42,217.70	
(c)	Extended Diploma in Civil, Mechancial, & Electrical Engg. Course (Additional intake of 100 Students)	--	
(d)	Five Semester Post Higher Secondary (Std. XII) Science Stream Diploma Courses and Civil, Mechanical & Electrical Engineering (Polytechnic)	1,58,039.00	
(15)	Smt. Hansa Mehta (Uni. Library)	70,182.10	
(a)	For-Enrolment Certificate	69,445.00	
(b)	For Post-Graduate Registration	2,355.00	
(B)	**EXAMINATIONS FEES**	**16,65,831.90**	
(1)	Arts Examination	83,054.00	
(2)	Science Examinations	2,15,568.60	
(3)	Edu. & Psy. Examinations	--	
(4)	Commerce Examinations	2,62,787.00	
(5)	Medical Examinations	2,22,837.00	
(6)	Tech. & Engg. Examinations	2,24,191.00	
(c)	Edu. and Psychology Exam.	57,853.74	
(d)	Commerce Examination	2,52,862.37	
(e)	Medical Examinations	99,835.59	
(f)	Tech. & Engg. Examinations	13,00,506.01	
(g)	Law Examiantions	30,159.39	
(h)	Fine Arts Examinations	7,961.30	
(i)	Home Science Examinations	24,733.40	
(j)	Social Work Examinations	6,930.00	
(k)	Sanskrit Mahavidyalaya Examinations	8,958.75	
(l)	Performing Arts Examinations	42,611.36	
(m)	Management Studies Exam.	2,070.99	
(n)	Polytechnic Examinations	2,66,915.20	
2.	**Travelling Allow. to Examiners**	**3,45,224.75**	
3.	**Supervision Charges**	**70,636.80**	
4.	**Printing and Stationery :**	**13,25,958.25**	
(a)	Printing of Question Papers	3,29,051.05	
(b)	Other Printing Charges	1,86,140.85	
(c)	Cost of Answer Books	6,35,288.00	
(d)	Stationery	1,75,478.35	
5.	**Chemicals and Breakages**	**267.00**	
6.	**Asst. at the Practicals**	**2,91,080.60**	
7.	**Remuneration to Factotums, Peons**	**30,482.73**	
8.	**Tabulation Expenses**	**1,09,870.45**	
9.	**Remuneration to Proof Readers**	**--**	
10.	**Contingencies & Sundries**	**14,158.86**	

Sr. No.		Rs.	Ps.
(7)	Law Examinations	97,404.50	
(8)	Fine Arts Examiantions	5,810.00	
(9)	Home Science Examinations	12,475.00	
(10)	Social Science Examinations	--	
(11)	Performing Arts Examination	6,831.00	
(12)	Management Examination	2,28,0.00	
(13)	Sanskrit Mahavidyalaya Examinations	128.00	
(14)	Polytechnic Exminations	78,453.00	
(15)	Shri M.K. Amin Arts & Science College and College of Commerce, Padra	97,970.00	
(16)	Re Assessment Work	1,36,700.00	
(17)	Sales Proceeds of Examination Forms	48,690.40	
(18)	Sales proceeds of used Answer Books	8,000.00	
(19)	Verifications and supply of Marks	90,934.00	
(20)	Net Income from Engineering Admission Test	71,718.40	
(C)	**Other Fees**	**8,16,216.29**	
(1)	For Certificates of Eligibility	69,330.00	
(2)	For First and Subsequent Graduation	71,263.00	
(3)	For University Gymkhana including Swimming Pool income	1,46,296.00	
(4)	For Medical Inspection of Students	50,476.00	
(5)	For Registration of Graduates	155.00	

Sr. No.		Rs.	Ps.
11.	**Dead-stck (including replacement and Repairs)**		--
12.	**Maintenance of Vehicle**		**18,391.83**
13.	**Honorarium for Extra Work for Examinations**		--
14.	**Typing charges etc. for preparing of Marksheet at least of the Final year examinations**		**75,497.37**
15.	**Reassessment work**		**29,135.50**
16.	**Entrance Test Examinaiton**		--
III.	**Publications**		**1,31,639.60**
	(a) Gaekwad Oriental Series		49,977.80
	(b) University other Publications		--
	(c) Universaity Journal		81,661.80
	(d) University News Letter		
IV.	**Remuneration to Lecturers**		
	(a) For Maharaja Sayajirao Gaekwad Lectures		
	(b) For Lectures and Demonstrations under the auspices of the University		
V.	**Travelling Allowance**		**2,68,148.5**
	(a) For Senate Meetings		890.0
	(b) For Syndicate Meeting		8,969.6
	(c) For Meeting of the Faculties, Boards and Committees		1,57,976.9
	(d) For University Officers and Administrative Staff & Others		80,312.(
	(e) For Delegates of the Univ.		20,000
VI.	**Printing, Stationery and Postagea**		**5,51,807**

Sr. No.		Rs.	Ps.
	(6) For Faculty Gymkhana	1,22,401.00	
	(7) For University Union	2,61,816.49	
	(8) Fees for Students Safety Insuranace	94,478.80	
III.	**Hostels**	**6,18,636.00**	
	Income from Halls of Residence for Students	6,18,636.00	
IV.	**Income from Occupation of Building, Lands and other properties.**	**5,55,751.22**	
	(1) Income from Use and Occupation of University Quarters and Bunglows and Other Buildings including Furniture Rent	4,63,860.97	
	(2) Income from General Education	46,895.25	
	(3) Income from University Guest House	44,995.00	
V.	**Health Services-University Health Centre**	**7,646.50**	
VI.	**University Auxiliary Services (A+B+C)**	**37,33,462.45**	
	(a) Income from M. S. University of Baroda Press	22,37,434.05	
	(b) Income from M. S. University Stationery Unit	14,16,577.75	
	(c) Income from Publication	79,450.65	
	1. Sale of Gaekwad Oriental Services	43,428.20	
	2. Sale of other University Publication	8,348.28	
	3. Sale of Electoral Rolls, Hand Books, Service Book	2,057.40	

Sr. No.		Rs.	Ps.
	(a) Printing of Hand Books, Calenders Pamphlets, Electrical Roofs etc.	34,186.50	
	(b) Printing of Agenda, Minutes, Annual Report, Annual Budget and Accounts, Forms etc.	1,57,383.00	
	(c) Stationery	2,51,222.07	
	(d) Postage and Telegrams	1,09,015.75	
VII.	**Interest on Balance of Funds not Investel due to financial Stringency**	**20,39,304.35**	
	(a) Interest on Balance of Post-Graduate Instruction and Research Fund and other Funds invested due to financial Strigency	20,39,304.35	
VIII.	**Maintenance of Building and Roads (including Residential Quarters and N.C.C. Building)**	**58,60,516.97**	
	(a) Temporary Staff	--	
	(b) Ordinary Repairs	20,15,692.98	
	(c) Special Repairs	--	
	(d) Insurance Charges	2,10,541.00	
	(e) Misc. (Water Supply & Tools & Plants etc.)	17,34,769.32	
	(f) University Engineer's Staff (1 to 9)	18,99,513.67	
1.	**Officers**	**1,49,787.32**	
	(a) Salary	1,01,567.32	
	(b) Dearness Allowance	35,280.00	
	(c) House Rent Allowance	9,600.00	
	(d) Compensatory Local Allow.	1,360.00	
	(e) Medical Allowance	1,980.00	
2.	**Clerks and Technicians**	**9,47,757.19**	
	(a) Salary	5,79,156.13	
	(b) Dearness Allowance	2,29,323.66	
	(c) House Rent Allowance	78,135.82	

Sr. No.		Rs.	Ps.
	4. Sale of Proceeds of Text Books in Regional Language and in Hindi	296.00	
	5. Packing, Forwarding and Miscellaneous charges	566.27	
	6. Sale Proceeds of Question Papers	14,364.50	
	7. Sale of Valmiki Ramayana	10,390.00	
VII.	**Miscellaneous Receipts**	**2,85,574.76**	
VIII.	**Sheth U.P. Ayurvedic Research Unit**	**1,85,212.75**	
	1. State Government Gtrants	--	
	2. Income from Out-patient Ward	2,048.55	
	3. Excess Recurring Expenditure met from Ayurvedic Research Fund	1,83,164.20	
IX	**Refund of Insurance Premium on**	**1,014.00**	
	Insurance of Building, Equipments, Books etc.	1,014.00	

Sr. No.		Rs.	Ps.
	(d) Compensatory Local Allow.	12,997.22	
	(e) Medical Allowance	45,906.76	
	(f) Addl. Dearness Allowance	1,987.60	
	(g) Interiam Relief	250.00	
3.	**Class IV Servants**	**6,65,819.28**	
	(a) Salary	3,97,796.87	
	(b) Dearness Allowance	1,69,077.18	
	(c) House Rent Allowance	58,765.97	
	(d) Compensatory Local Allow.	10,669.58	
	(e) Washing Allowance	5,544.50	
	(f) Medical Allowance	23,965.18	
4.	**University Contribution to P.F.**	**19,319.00**	
5.	**Contribution to Gratuity Fund**	**--**	
6.	**Encashment of Leave**	**8,806.32**	
7.	**Leave Travel Concession**	**3,519.00**	
8.	**Adhoc Bonus**	**94,047.00**	
9.	**Encashment of Leave Travel Concession**	**10,458.56**	
IX.	**Maintenance of Gardens**	**5,75,234.64**	
	(a) Salary	2,57,495.22	
	(b) Dearness Allowance	97,051.00	
	(c) House Rent Allowance	45,350.00	
	(d) Compensatory Local Allow.	6,975.00	
	(e) Washing Allow.	4,785.00	
	(f) Medical Allowance	14,835.00	
	(g) Encashment of Leave	10,189.80	
	(h) Leave Travel Concession	600.00	
	(i) Contingencies	84,130.13	
	(j) Temporary Labour	52,197.49	
	(k) Pipe Line	--	

Sr. No.		Rs.	Ps.
	(l) Encashment of Leave Travel Concession		--
	(m) Adhock Bonus		1,626.00
X.	**Games, Sports and Student's Welfare and other Activities**		**29,37,055.42**
	(a) Games Sports and Department of Physical Education		15,41,430.65
	(b) Annual Grant to the Union		1,000.00
	(c) Grant to the Union for Badminton		1,700.00
	(i) Grant for Youth Welfare Activities		5,000.00
	(ii) International Youth Year		--
	(d) Grant to the Union for Celebration the University Week		--
	(e) Proceeding amounting and Recreational Facilities to N.C.C. Cadets and Officers and Other charges		500.00
	(f) Medical Inspection of Students		50,476.00
	(g) Hobby Workshop		--
	(h) University Health Centre		8,58,252.48
	(i) Faculty Gymkhana Fees paid to the Faculties		1,22,401.00
	(j) Union Fees paid to the Union		2,61,816.49
	(k) Students Safety Fees paid		94,478.80
XI.	**Miscellaneous (A, B, C)**		**25,82,378.17**
	(A) MEMBERSHIP AND CONTRIBUTION		**65,095.00**
	(a) Associaiton of Indian Univesities, New Delhi		21,500.00
	(b) Association of Universities of Commen Wealth		41,245.00
	(c) Other Bodies		2,350.00
	(d) Inter University Sports Board Membership		--
	(B) OFFICE EQUIPMENT		**1,19,643.23**

Sr. No.		Rs.	Ps.
	(a) Deadstock and Equipment		--
	(b) Repairs	75,799.88	
	(c) Replacement of Gestetner Duplicator, Typewriters and other Deadstock items	43,843.35	
(C)	**OTHER ITEMS**	**23,97,639.94**	
	(a) Extra Mural Work	3,700.00	
	(b) Books and Journals and Newspapers	6,695.95	
	(c) Grants to Societies and Journal		--
	(d) Legal Charges	69,005.00	
	(e) Electric Energy and Appliances	1,73,531.91	
	(f) Telephones	2,23,667.44	
	(g) Advertisements	1,27,982.10	
	(h) Uniforms	88,475.35	
	(i) Maintenance of University Vehicle (V-C's Car)	38,847.24	
	(j) Misc./Unforeseen Items		--
	(k) Municipal and Other Taxes	13,74,090.17	
	(l) Convocation and Sundry Expn.	35,980.85	
	(m) Grant for Conferences		--
	(n) Vice-Chancellor's Sumptuary Grant (Incl. Discretionary Grand)	5,396.35	
	(o) Contingencies	1,33,715.45	
	(p) Pro-Vice-Chancellor Sumptuary Grant	2,176.85	
	(q) Vice-Chancellor' Discretionary Grant		--
	(r) Dean's allowance for the Faculty of Medicine	1,100.00	
	(s) Election Expenses		--
	(t) Bank Charges	20.00	
	(u) Maintenance of Staff Car	1,13,255.28	
	(v) Preparation of new Scarfs		--
	(w) Trainging Programme for Administrative Staff		--

Sr. No.		Rs.	Ps.
XII.	**Faculties and Institutions**	**11,39,47,025.07**	
(A)	**FACULTIES**		
(a)	Faculty of Arts	1,10,34,171.78	
(b)	Faculty of Science	2,00,82,355.46	
(c)	Faculty of Edu. & Psy.	45,01,762.88	
(d)	Faculty of Commerce	53,44,765.35	
(e)	Faculty of Management Studies	3,59,727.82	
(f) (i)	Faculty of Technology & Engineering	3,75,63,781.64	
(ii)	Introduciton of Degree Course in Pharmacy	18,89,128.15	
(iii)	Part-Time Degree Couse for Diploma students in C.M.E.	4,01,090.68	
(iv)	Irrigation Management & Training Institute	8,32,193.64	
(g)	Faculty of Law	8,07,126.06	
(h)	Faculty of Fine Arts	36,03,128.32	
(i)	Faculty of Home Science	58,06,323.48	
(j)	Faculty of Social Work	13,63,409.97	
(k)	Faculty of Performing Arts	33,74,300.48	
(B)	**INSTITUTIONS**		
(l)	(a) Oriental Institute	9,37,629.75	
	(b) Vishnupurana Project	3,20,570.05	
(m)	Sanskrit Mahavidyalaya	8,94,436.20	
(n)	Shri M.K. Amin Arts & Science College & College of Commerce, Padra	18,54,234.52	
(o)	(a) Polytechnic	1,10,03,926.03	
	(b) Extended Diploma Courses in Civil, Mechanical & Elect. Engineering	4,15,047.09	
	(c) Additional intake of 100 students (Extended Dploma in Civil, Mechanical and & Electrical Engg. curse	23,717.90	

Sr. No.		Rs.	Ps.
	(d) Five Semester post Higher Secondary (Std.XII) Science Stream Diploma courses in Civil, Mechanical & Elect. Engineering	10,83,421.64	
	(p) Centre of Advanced Study in Education	4,50,776.18	
XIII.(a)	**Smt. Hansa Mehta (University) Library**	**61,74,797.75**	
	(b) Sir Sayajirao Memorial Trust (University) Library	**1,84,772.51**	
XIV.	**University Guest House**	**1,22,449.34**	
XV.	**University Auxiliary Services**	**50,08,180.11**	
	(a) M.S. U. of Baroda Press	35,11,455.24	
	(b) M.S.U. Stationery Unit	13,52,311.72	
	(c) M.S. U. Publication Unit	1,44,413.15	
XVI.	**Hall of Resident for Students**	**53,66,316.15**	
XVII.	**Sheth U.P. Ayurvedic Research Unit**	**1,85,212.75**	
XVIII	**Cost of Card Punching and Verification Stationery Computer time etc. for computerization of University Pay Roll**	**9,540.00**	
XIX.	**Deadstock, Equipment & Replacement of University Office, Faculties and Institutions**	**1,79,745.16**	
XX.	**(a) Payment of Pension**	**17,38,833.90**	
	(b) Payment of Commuted Value of Pension of Non-Teaching Staff	31,970.30	
XXI.	**Visiting Professors in Various Faculties**	**74,945.00**	

Sr. No.		Rs.	Ps.	Sr. No.		Rs.	Ps.
Total of I to IX		**15,26,72,123.87**		**XXII.**	**Expenditure against the Insurance paid of Faculty & Institutions**	**1,19,596.42**	
ADD :	Excess of Disbusement over Receipts i.e. Deficit	62,93,452.26		**XXIII.**	**Chargeable to Sate Govt. Grant for Polytechnic Building Petrochemical Department**	**16,909.56**	
GRAND TOTAL		**15,89,65,576.13**		**GRAND TOTAL**		**15,89,65,576.13**	

Grants for Development & Research Scheme 1990 - 91

Sr.No.	Name of the Scheme		Grants Rs. Ps.
1.	University Grants Commission		
	(a) Recurring Exp.	1,58,21,474.59	
	(b) Books	24,50,000.00	
	(c) Const. of Build	9,35,765.02	
	(d) Equipment	83,00,000.00	2,75,07,239.61
2.	Govt. of Gujarat		
	(a) Res. Sch.]	1,12,585.00	
	(b) Dept. of Survey	2,00,000.00	
	(c) IAS Training	3,600.00	
	(d) IMTI Centre	40,00,000.00	43,16,185.65
3.	Council of Scientific & Industrial Res.		7,14,097.00
4.	Indian Council of Agricultural Research		4,79,960.00
5.	Association of Indian Universities		30,000.00
6.	Ministry of Education		3,63,697.00
7.	Ministry of H.R.D.		34,50,000.00
8.	Ford Foundation Proj.		10,56,673.75
9.	Ford Foundation Prog. in International Relations		6,87,876.20
10.	Dept. of Atomic Energy		1,34,566.00
11.	Ministry of Health & Family Welfare		5,05,335.00
12.	Indian Council of Social Science & Research		78,957.77
13.	Indian Council of Historical Research		8,400.00
14.	Director General Archeology Survey		-
15.	N C E R T		1,73,975.00
16.	Indian Council of Medical Res.		1,79,179.00
17.	Dept. of Science & Technology		42,52,191.00
18.	Dept. of Non-conventional Energy		5,49,126.00
19.	Agakhan Foundation		24,425.00
20.	I.D.R.C.		4,23,297.00
21.	Dept. of Women & Child Development		1,07,500.00
22.	Ministry of Defence		7,15,300.00
23.	Other Bodies		18,70,171.56
	Total		**4,76,28,152.54**

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A Statement showing the information regarding SC/ST/SEBC and Physically handicapped

	SC	ST	SEBC	Physically handicapped
Officers Class I	-	-	-	-
Officers Class II	1	-	-	-
Professors	1	1	-	-
Readers	4	-	-	-
Lecturers	6	2	-	-
Class III Employees	23	9	35	3
Class IV Employees	119	23	77	1
Total	**154**	**35**	**112**	**4**

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GENERAL EDUCATION CENTRE
1990-91

The information about the accounts of the General Education Centre :

A. Account received under various heads :

1.	Auditorium Rent	25,575=00
2.	Perishable A/C (Replacement Under this is included the amount received for rooms, Canteen, Celler, Retreat and Auditorium Maintenance charges. Previous balance sent to the University on 30.3.91, 1, 28, 647=81)	44,430=00
3.	Miscellaneous Income	805=00
4.	Ele. Consumption	26,458=50
5.	Auditorium Deposit	43,600=00
6.	Amount Received towards damages caused during programme.	1,742=00
7.	Retreat deposit	3,500=00
8.	Amount received towards technical and class IV Service charges.	26,780=00
9.	Cycle Stand deposit	500=00
10.	Cycle stand token rent	001=00
11.	Cellar rent	175=00
12.	Canteen rent	1,300=00
13.	Canteen Tech. & Class IV Services	650=00
14.	Reyreat Tech. & Class IV Services	750=00
15.	Cellar deposit	1,500=00
16.	Cellar Tech. & Class IV services	105=00

B. Amount paid to the University :

1.	Auditorium Rent	23,530=00
2.	Electirc Consumption(Non Bud Head)	20,619.25
3.	Canteen Rent	1,300=00
4.	Cycle Stand Deposit (To be refunded)	500=00
5.	Cycle Stand Token Rent	001=00
6.	Celler Rent	175=00
7.	Miscelleneous Income	805=00
8.	Perishable (Replacement) A/C (Previous balance sent to the Univ. as Balance on Hend)	1,28,647=81
	Total	**1,75,578=06**

C. Balance Amount B. F. from 90-91

1.	Auditorium Deposit Many programmes are booked during the year 1991-92 but booking is done well in advance	11,730=00
2.	Auditorium Tech. & Class IV Services	4,736=00
3.	Perishable (Replacement (A/C)	NIL
4.	Damage done during the programme	2,492=00
5.	Retreat deposit charges	NIL
6.	Retreat Teh. & Class IV Services	-
7.	Celler Tech. & Class IV Services	-
8.	Canteen Deposit	500=00
9.	Cantten Tech. I IV Services	75=00
10.	Cellar Deposit	500=00

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Teachers granted facilities for participation in Conference and Seminars etc. in India & Abroad

Sr. No.	Name and designation of the Teachers	Name, Place and Date of the Conference/Seminar's etc.
1.	Dr. (Mrs.) Sudhga P. Pandya, Reader, Dept. of English, Faculty of Arts	Asian Voices in English at University of Hong Kong, Hong Kong from 27-4-90 to 30-4-90.
2.	Dr. S. M. Joshi, Reader, in Education, Faculty of Education and Psychology	International Intervisitation Programme 1990 at Manchester, U.K. from 21-4-90 to 29-4-90.
3.	Dr. (Mrs.) Veena Gandotra, Reader, Dept. of Home Management, Faculty of Home Science	Fourth International interdisciplinary Congress on Women at New York from 3-6-90 to 7-6-90.
4.	Dr. G. N. Devi, Reader, Dept. of English, Faculty of Arts	International Association for Anglo Irish Literature study (IASAI) at Kyoto, Japan from 12-7-90 to 15-7-90.
5.	Dr. G. M. Oza, Reader, Dept. of Botany, Faculty of Science	International Conference on Environmental Future : Surviving with the Biosphere at Budapest, Hungary from 22-4-90 to 27-4-90.
6.	Dr. N. K. Chudgar, Lectures, Dept. of Chemistry, Faculty of Science	13th International Liquid Crystal Conference at Vancover, Canada from 22-7-90 to 27-7-90.
7.	Dr. R. A. Vora, Professor & Head, Dept. of Applied Chemistry, Faculty of Technology & Engineering	13th International Liquid Crystal Conference at Vancoures, Canada from 22-7-90 to 27-7-90.
8.	Dr. Renu Mahajan, Lecturer, Dept. of Applied Chemistry, Faculty of Technology & Engineering	–do–
9.	Prof. P. K. Bhattacharya, Head, Dept. of Chemistry, Faculty of Science	XXVIII International Conference on Coordination Chemistry at Gera, GDR from 13-8-90 to 18-8-90.
10.	Dr. (Mrs.) B.H. Elavia, Professor, Dept. of Banking & Business Finance, Faculty of Commerce	Invited as visiting Professor at University of Illinois at Urbana Champaign, U.S.A. during Mid-May to June 1990 (Number and Date flexible)

11.	Dr. N. D. Jadhav, Reader, Dept. of Applied Chemistry, Faculty of Technology & Engineering	13th International Liquid crystal Conference at Vancouver, Canada, from 22-7-90 to 27-7-90.
12.	Dr. (Mrs.) Vaimla Rangaswamy, Reader & Head, Dept. of Geography, Faculty of Science	IGU Regional Conference on Asian Pecific Countries at Beijing, China from 13-8-90 to 20-8-90.
13.	Dr. K. P. Dhake, Reader, Dept. of Applied Physics, Faculty of Technology & Engineering	International Conference on Luminiscence (ICL-90) at Lisbon, Portugal from 16-7-90 to 20-7-90.
14.	Dr. R. V. Karanth, Reader, Dept. of Geology, Faculty of Science	Second International Dyke Conference at Adelaide, Australia from 12-9-90 to 15-9-90.
15.	Prof. R.N. P. Sinha, Dept. of Geography, Faculty of Science	5th International Congress of Geographical Societies at Mesitta, New Maxico, U.S.A. from 26-8-90 to 31-8-90.
16.	Dr. S.A. Puranik, Professor, Dept. of Chemical Engg., Faculty o Technoogy & Engineering	APECHE 5th Congress 1990 at Kuala Lumpur, Malaysia from 23-7-90 to 25-7-90.
17.	Prof. A. K. Rakshit, Professor, Dept. of Chemistry, Faculty of Science	IUPAC International Symposium on Specially Polymers at Singapore from 7-11-90 to 9-11-90.
18.	Dr. R.I. Nanavati, Reader & Head, Dept. of Sanskrit, Pali & Prakrit, Faculty of Arts	33rd International Congress of Asian & North African Studies at Toronto, Canada from 19-8-90 to 25-8-90.
19.	Dr. S. D. Sabnis, Professor & Head, Dept. of Botany, Faculty of Science	IInd International Congress of Ethnobiology at Kumming Yunnan, China from 22-10-90 to 26-10-90.
20.	Shri W. P. Bhagat, Reader, Dept. of Applied Physics, Faculty of Technology & Engineering	13th International Liquid Crystal Conference at Vancouver, Canada, from 22-7-90 to 27-7-90.
21.	Dr. Surekha Devi, Reader, Dept. of Chemistry, Faculty of Science	IUPAC International Symposium on Specially Polymers at Singapore from 7-11-90 to 9-11-90.
22.	Prof. B. S. Patel, Dept. of Commerce including	First International Organisational Behaviour Teaching Conference at Singapore from 20-12-90 to 22-12-90.

	Business Administration, Faculty of Commerce	
23.	Mr. M. D. Sharma, Professor, Dept. of Banking Business Finance, Faculty of Commerce	Second Asian Pecific Conference at Vancouver, Canada from 10-10-90 to 13-10-90.
24.	Shri K. S. Bhatt, Lecturer, Dept. of Civil Engineering, Faculty of Technology & Engineering	The Sixth International Conference on Solid Waste Management and Secondary Materials at Philadelphia, PA, U.S.A., from 4-12-90 to 7-12-90.
24.	DR. (Ms.) H. S. Rama, Lecturer, Dept. of Chemistry, Faculty of Science	IUPAC International Symposium on Polymer Materials at Melbourne, Australia from 10-2-91 to 15-2-91.
25.	Shri Dilip H. Mohite, Reader, Dept. of Political Science, Faculty of Arts	International Conference on World Peace & the future of Humanity at Hiroshima, Japan from 29-11-90 to 1-12-90.
26.	Dr. I. D. Bhatt, Reader, Dept. of Psychology, Faculty of Education & Psychology	Regional Seminar on Neuro Psychology at Vidyanagari Campus, Kalina, Bombay from 25-6-90 to 29-6-90.
27.	Dr. (Mrs.) Bimla Parimoo, Lecturer, Dept. of Psychology, Faculty of Education & Psychology	Regional Seminar on Neuro Psychology at Vidyanagari Campus, Kalina, Bombay from 25-6-90 to 29-6-90.
28.	Prof. D. K. Basa, Dept. of Metallurgical Engg., Faculty of Technology & Engineering	International Conference on Management of Pollution in Foundries at Agra from 8-4-90 to 10-4-90.
29.	Dr. A. V. Shroff, Professor, Dept. of Applied Mechanics, Faculty of Technology & Engineering	All India Seminar on Soil Improvement by Chemical Groutine, Stone Columns and Geotextiles at Calcutta on 11-7-90 and 12-7-90.
30.	Dr. D. L. Shah, Reader, Dept. of Applied Mechanics, Faculty of Technology & Engineering	–do–
31.	Dr. N. M. Patel, Professor, Dept. of Applied Mechanics, Faculty of Technology & Engineering	–do–

32.	Dr. H. M. Pandey, Lecturer (Pradhyapak) Sanskrit Mahavidyalaya	National Youth Conventional (A festival of National Integration through Sanskrit) at Puri from 29-7-90 to 31-7-90.
33.	Dr. (Mrs.) Bimla Parimoo, Lecturer, Dept. of Psychology, Faculty of Education & Psychology	Workshop on Substance Abuse at NIMHANS, Banglore from 19-11-90 to 24-11-90.
34.	Dr. S. A. Puranik, Professor, Dept. of Chemical Engg., Faculty of Technology & Engineering	Indian Chemical Engineering Congress at Varanasi from 18-12-90 to 21-12-90.
35.	Shri K. J. Purohit, Upadhyapaka, Sanskrit Mahavidyalaya	Sanskrit Day Celebration at Petlad on 20-8-90.
36.	Dr. C. S. Rathod Professor, Dept. of Cooperation, Faculty of Commerce	4th National Conference on Agricultural Marketing at Pune from 14-6-90 to 16-6-90.
37.	Dr. R. N. Ram, Lecturer, Dept. of Chemistry, Faculty of Science	Polymer '91 at National Chemical Lab., Pune from 1-1-91 to 11-1-91.
38.	Prof. Harsidhh M. Joshi, Head, Dept. of Philosophy, Faculty of Arts	Sixty Fifth Session of Indian Philosophical Congress at Madurai from 27-12-90 to 29-12-90.
39.	Dr. P.V. Kotecha, Associate Professor, Dept. of Preventive & Social Medicine, Medical College,	XXth National Conference of Indian Association of Preventive and Social Medicine at Pune frome 21-11-90 to 23-11-90.
40.	Dr. D. C. Vyas, Asstt. Professor in Anatomy, Medical College	Seminar on Embalucing of AIDS & Hepatitis affected bodies at AIIMS, New Delhi from 4-10-90 and 5-10-90.
41.	Dr. (Mrs.) Veena Gandotra, Reader, Dept. of Home Management, Faculty of Home Science	Vth All India Meeting of Women in Science - 1990 at Nagpur in first week of November, 1990.
42.	Profe. D. R. Gadekar, Head, Dept. of Geology, Faculty of Science	Mineral convention western Region) -1990 at Ahmedabad on 8-9-90 and 9-9-90.
43.	Prof. S. K. Kantawala, Dept. of Sanskrit, Pali & Prakrit, Faculty of Arts	All India Oriental Conference at Gurukul Kangri Vishwavidyalaya, Hardwar from 15-11-90 to 18-11-90.

44.	Shri S. P. Dabke, Reader, Dept. of Chemical Engg., Faculty of Technology & Engineering	National Seminar on "Waste Utilization and Management" at Calcutta on 22-9-90 & 23-9-90
45.	Shri V. U. Matai, Reader, Dept. of Architecture, Faculty of Technology & Engineering	4th Asian Congress of Architects (ACA-4) at New Delhi from 27-9-90 to 29-9-90
46.	Dr. R. K. Baxi, Asstt. Professor, Dept. of Community Medicine, Medical College	20th Annual Conference of Indian Association of Preventive and Social Medicine at Pune from 21-11-90 to 23-11-90.
47.	Shri D. D. Pathak, Lectures, Dept. of Architecture, Faculty of Technology & Engineering.	Workshop on Modular Co-ordination and Prefabrication at Vallabh Vidyanagar on 24-11-90 & 25.11.90
48.	Dr. J. P. Vyas, Reader, Dept. of Geography Faculty of Science	3rd Annual Conference of the Indian Institute of Geomorphologists at Pune from 23-11-90 to 25-11-90.
49.	Dr. D. R. Gadekar, Professor & Head, Dept. of Geology, Faculty of Science	78th Indian Science Congress at Indore from 3-1-91 to 8-1-91.
50.	Dr. (Mrs.) B.V. Modi, Reader & Head, Dept. of Linguistics, Faculty of Arts	National Seminar on Linguistics Strategies – Written and Spoken at Hyderabad on 8-11-90 and 9-11-90.
51.	Dr. (Mrs.) Anjali Karolia, Lecturer, Dept. of Clothing & Textiles, Faculty of Home Science	Vth All India Meeting of "Women in Science 1990" at Nagpur from 1-11-90 to 3-11-90.
52.	Dr. R. G. Kothari, Reader in Education, Faculty of Education & Psychology	State Level Conference of Gujarat Mathematics Association at Patan from 27-10-90 to 29-10-90.
53.	Prof. K. K. Rao, Head, Dept. of Microbiology, Faculty of Science	International Symposium on Industrial Biiotechnology at Hyderabad from 18-11-90 to 20-11-90.
54.	Prof. S. Moimuddin, Chemical Engg. Dept., Faculty of Technology & Engineering	Indian Chemical Engineering Congress – 1990 at Varansi from 18-12-90 to 21-12-90.
55.	Shri R. Sengupta, Lecturer, Chemical Engg. Dept., Faculty of Technology & Engi.	6th National Convention of Chemical Engineers at Nagpur from 25-11-90 to 27-11-90.

56.	Shri S. P. Dabke, Reader, Chemical Engg. Dept., Faculty of Technology & Engineering	Indian Chemical Engineering Congress–1990 at Varanasi from 18-12-90 to 21-12-90.
57.	Dr. J. D. Bhatt, Asstt. Professor of Pharmacology, Medical College	43rd Annual Conference of Cardiological Society of India at Bombay from 24-10-90 to 28-10-90.
58.	Dr. Kuldeep Kumar Bhan, Lecturer (Curator), Dept. of Archaeology & Ancient History, Faculty of Arts	XVIII Annual Conference of ISPGS at Kanyakumari from 11-11-90 to 13-11-90.
59.	Prof. V. L. Gadgil, Dept. of Metallurgical Engineering, Faculty of Technology & Engineering	NMD/Annual Technical Meeting of Indian Institute of Metals at Tiruchirapalli from 14-11-90 to 17-11-90.
60.	Dr. (Mrs.) Uma V. Chudasma, Reader, Dept. of Chemistry, Faculty of Science	Tenth National Symposium on Catalysis and Fourth Indo Soviet Seminar on Catalysis at Madras from 18-12-90 to 21-12-90.
61.	Dr. Manisha Pande, Lecturer, Dept. of Home Science, Education & Extension, Faculty of Home Science	Seminar on Student Services at Madurai from 15-12-90 to 19-12-90.
62.	Dr. R. K. D. Geol, Associate Professor of Microbiology, Medical College	Indian Associaiton of Medical Microbiologists Congress at Vellore (Tamil Nadu) from 26-10-90 to 30-10-90.
63.	Kum. S. Brintha Lakshmi, Lecturer, Dept of Architecture, Faculty of Technology & Engineering	International Conference on Architecture of Cities at Calcutta from 16-11-90 to 20-11-90.
64.	Shri B. P. Pandya, Lecturer, Dept. of Sanskrit, Pali & Prakrit, Faculty of Arts	35th Session of All India Oriental Conference at Hardwar from 16-11-90 to 18-11-90.
65.	Dr. L. M. Joshi, Lecturer, Dept. of Sanskrit, Pali & Prakrit, Faculty of Arts	–do–
66.	Dr. Usha Modi, Professor, Dept. of Paediatrics, Medical College	XXth Annual Conference of Indian Association of Preventive & Social Medicine at Pune from 21-11-90 to 23-11-90.

67.	Dr. (Mrs.) Uma S. Deshpande, Reader, Dept. of Sanskrit,Pali & Prakrit, Faculty of Arts	All India Oriental Conference of Gurukul Kangri Vishwavidyalaya, Hardwar from 16-11-90 to 18-1190.
68.	Dr. A. Bhatnagar, Asst. Professor, Dept. of Surgery, Medical College	11th World Congress at New Delhi from 3-11-90 to 7-11-90.
69.	Dr. Sheela G. Aiyar, Asstt. Professor, Dept. of Paeditrics, Medical College	National Conference of I. A. P. at Hyderabad from 24-1-91 to 27-1-91.
70.	Dr. (Mrs.) Gayatri Banerjee, Lecturer, Dept. of Pharmacy, Faculty of Technology & Engineering	42nd Indian Pharmaceutical Congress at Manipal from 28-12-90 to 30-12-90.
71.	Prof. S. K. Banerjee, Professor Dept. of Pharmacy, Faculty of Technology & Engineering	–do–
72.	Dr. D. L. Shah, Reader, Dept. of Applied Mechanics, Faculty of Technology & Engineering	Indian Geotechnological Conference at Bombay from 20-12-90 to 23-12-90.
73.	Dr. A. V. Shroff, Professor, Dept. of Applied Mechanics, Faculty of Technology & Engineering	Indian Geotechnological Conference at Bombay from 20-12-90 to 23-12-90.
74.	Dr. R.S. R. Murthy, Professor & Head, Dept. of Pharmacy, Faculty of Technology & Engineering	42nd Indian Pharmaceuital Congress at Manipal from 28-12-90 to 30-12-90.
75.	Dr. K. Krishnan, Lecturer, Dept. of Archaeology, Faculty of Arts	Annual Conference of IAS, ISPQS and IHCS at Kanyakumari from 11-11-90 to 13-11-90.
76.	Dr. V. H. Sonawane, Director of Field Archaeology, Dept. of Archaeology, Faculty of Arts	–do–
77.	Prof. S. M. Misra, Professor, Dept. of Pharmacy, Faculty of Technology & Engineering	42nd Indian Pharmaceutical Congress at Manipal from 28-12-90 to 30-12-90.

78.	Dr. A. N. Misra, Reader, Dept of Pharmacy, Faculty of Technology & Engineering	42nd Indian Pharmaceutical Congress at Manipal from 28-12-90 to 30-12-90.
79.	Dr. U. V. Mani, Reader, Dept of Foods & Nutrition, Faculty of Home Science	Symposium on Endocrinology, Metabolism & Diebetes at AIIMS, New Delhi from 26-12-90 to 31-12-90.
80.	Shri V. B. Vyas, Upadhyapak, Sanskrit Mahavidyalaya	National Youth Convention at Puri from 29-7-90 to 31-7-90.
81.	Shri R. M. Shastri, Upadhyapak, Sanskrit Mahavidyalaya	–do–
82.	Dr. Parul Shah, Lecturer, Dept. of Dance, Faculty of Performing Arts	Workshop & Symposium organised as a part of Indian International Dance Festival at New Delhi from 8-12-90 to 22-12-90.
83.	Dr. Dulari J. Gandhi, Asstt. Professor, Dept. of Paediastrics, Medical College	28th National Conference of I.A.P. at Hyderabad from 24-1-91 to 27-1-91.
84.	Dr. K. Ethirajulu, Professor & Head, Chemical Engg. Dept., Faculty of Technology & Engineering	Indian Chemical Engineering Congress–1990 at Banaras from 18-12-90 to 21-12-90.
85.	Dr. Surekha Devi, Reader, Chemistry Department, Faculty of Science	Convention of Chemicals at Bodh Gaya from 26-12-90 to 30-12-90.
86.	Prof. A. K. Rakshit, Professor, Chemistry Department, Faculty of Science	27th Annual Convention of Chemists at Bodh Gaya from 26-12-90 to 30-12-90.
87.	Prof. N. Subrahmanyan, Professor, Dept. of Chemical Engg., Faculty of Technology & Engineering	Indian Chemical Engineering Congress–1990 at Varanasi from 18-12-90 to 21-12-90.
88.	Dr. M. Sreehari, Professor, Dept. of Statistic, Faculty of Science	International Conference on recent Advances in Statistics and Probability at New Delhi from 22-12-90 to 24-12-90.
89.	Dr. I. D. Bhatt, Reader, Dept. of Psychology, Facuty of Education & Psychology	78th Indian Science Congress at Indore from 3-1-91 to 8-1-91.

90.	Dr. R. R. Darji, Lecturer, Dept. of Chemistry, Polytechnic	IXth Annual Conference of Indian Council of Chemists at Gulburgh from 21-12-90 to 23-12-90.
91.	Shri Pramodchandra M. Shah, Lecturer in Business Economics, Faculty of Commerce	32nd Annual Conference of Indian Society of Labour Economics at Bhubaneshwar from 23-12-90 to 25-12-90.
92.	Dr. Priyavadan M. Patel, Reader, Dept. of Political Science, Faculty of Arts	47th All India Political Science Conference at Ujjain from 27-12-90 to 29-12-90.
93.	Dr. (Ms.) Vaijayanti Navangul, Lecturer in Sanskrit, Dept. of Arts, History & Aesthetics, Faculty of Fine Arts	All India Oriental Conference at Hardwar from 16-11-90 to 18-11-90.
94.	Dr. R. S. Durvasule, Asstt. Professor, Dept. of Preventive & Social Medicine, Medical College	XX National Conference of Indian Association of PSM at Pune from 21-12-90 to 23-12-90.
95.	Dr. (Mrs.) Yogini C. Pathak, Reader, Dept. of Human Development & Family Studies, Faculty of Home Science	78th Session of The Indian Science Congress Association at Indore from 3-1-91 to to 8-1-91.
96.	Dr. (Miss) N.C. Mehta, Associate Professor, Dept. of Medicine, Medical College	XLVI Joint Annual Conference of the Association of Physicians of India at Agra from 18-1-91 to 22-1-91.
97.	Dr. (Smt.) Tara Thyagarajan, Lecturer in History, M. K. Amin Arts & Science College & College of Commerce, Padra	Indian History Congress 51st Session at Calcutta from 28-12-90 to 30-12-90.
98.	Dr. Nivedita c. Mehta, Asso. Professor, Dept. of Medicine, Medical College	EMD–90 India-U.S.A. Symposium & Workshop on Endocrinology and met Diabetes at Delhi from 21-12-90 to 31-12-90.
99.	Dr. S. J. Kanani, Lecturer, Dept. of Foods & Nutrition, Faculty of Home Science	Annual Conference of Nutrition Society of India at Hyderabad from 1-12-90 to 3-12-90.
100.	Dr. R. C. Desai, Professor, Dept. of Electrical Engg., Faculty of Technology Engineering	14th National Systems Conference at Aligarh in February, 1991.
101.	Dr. P. P. Patel, Reader, Dept. of Geology, Facuty of Science	All India Seminar on "Modern Techniques of Rainwater Harvesting" at Pune from 19-11-90 to 21-11-90.

102. Shri Naresh R. Shah, Lecturer, Dept. of Museology, Faculty of Fine Arts.	National Seminar of the India Association for the Study of Conservation of Cultural Property at Ahmedabad from 4-10-90 to 6-10-90.
103. Dr. Gita Bajpai, Reader, Dept. of History, Faculty of Arts.	51st Session of the Indian History Congress at Calcutta from 28-12-90 to 30-12-90.
104. Dr. C. P. Batra, Asstt. Professor, Dept. of Obstetrics & Gynaecology, Medical College	34th All India Obstetrics & Gynaecological Congress at Nagpur from 27-12-90 to 31-12-90.
105. Shri K. K. Bhati, Lecturer in English, M. K. Amin Arts & Science College & College of Commerce, Padra	International Seminar on Commonwealth Literature at Bhubaneshwar from 28-1-91 to 30-1-91.
106. Dr. N. G. Sanghavi, Hone. Professor, Dept. of Medicine, Medical College	Annual Conference of Indian Society for Haematology at Ahmedabad from 14-12-90 to 16-12-90.
107. Dr. (Mrs.) Jayasree De, Reader, Dept. of Geography, Faculty of Science	International Seminar on "Health Care Planning in the Developing World" at Calcutta from 6-2-91 to 8-2-91
108. Dr. P. V. Kotecha, Associate Professor, Dept. of Preventive & Social Medicine, Medical College	41st National Conference of Occupational Health at Hyderabad from 8-2-91 to 10-2-91.
109. Dr. U. J. Modi, Professor & Head, Dept. of Paediatrics, Medical College	2nd Joint Annual Convention of ISOPARB & NNF (National Neonatology Forum–1991) at Jamshedpur from 23-2-91 to 26-2-91.
110. Dr. Sheela Aiyar, Asstt. Professor, Dept. of Paediatrics, Medical College	–do–
111. Dr. Uma S. Nayak, Asstt. Professor, Dept of Paediatrics, Medical College	–do–
112. Dr. (Mrs.) Arti Nanavati, Reader, Dept. of Economics, Faculty of Arts	UGC National Seminar on Regionalisation of Agriculture in India at Tirupati from 7-3-91 to 9-3-91.
113. Dr. Parul Dave, Reader, Dept. of Human Devel-	5th Annual Conference of Indian Association of Women's Studies at Madras as when held.

opment & Family Studies, Faculty of Home Science	
114. Shri N. M. Bhatt, Reader, Dept. of Civil Engg., Faculty of Technology & Engineering	Seminar on Environmental Laboratory Design and Construction at Delhi from 26-2-91 and 27-2-91.
115. Shri R. K. Panchal, Reader, Dept. of Civil Engg., Faculty of Technology & Engineering	–do–
116. Shri H. C. Shukul, Reader, Dept. of Political Science, Faculty of Science	All India Seminar on "Childs' Rights" at Lucknow from 19-2-91 to 21-2-91.
117. Dr. Subadra Sheshadri, Reader, Dept. of Foods & Nutrition, Faculty of Home Sicence	(1) 25th Annual Conference (Silver Jubilee) of the Nutrition Society of India at Hyderabad from 1-12-90 to 3-12-90. (2) International Symposium on Recent Trends in Nutrition at Delhi from 5-12-90 to 6-12-90.
118. Dr. H. C. Patel, Professor & Head, Dept. of Statistics, Faculty of Science	XVII Annual Conference of Gujarat Statistical Association at Mehsana on 26-1-91 and 27-1-91.
119. Prof. M. Sreehari, Professor, Dept. of Statistics, Faculty of Science	–do–
120. Shri J. A. Patel, Lecturer, Dept. of Statistics, Faculty of Science	–do–
121. Shri Vipul A. Kalamkar, Lecturer, Dept. of Statistics, Dept. of Statistics, Faculty of Science	–do–
122. Dr. (Mrs.) Uma Chudasama, Reader, Dept. of Chemistry, Faculty of Science	International Conference on Chromotography at Aligarh from 6-3-91 to 8-3-91.
123. Prof. A. B. Darji, Professor, Dept. of Physics, Faculty of Science	National Symposium on Molecular Spectroscopy at Varanasi from 15-3-91 to 16-3-91.
124. Dr. (Miss) Neela Emanuel, Lecturer, Dept. of Chemistry, Faculty of Science	International Conference on Chromatography at Aligarh from 6-3-91 to 8-3-91.

125. Shri Yogesh P. Kharady, Lecturer, Dept of Electrical Engg., Faculty of Technology & Engineering	–do–
126. Shri A. G. Navangul, Reader, Dept. of Architecture, Faculty of Technology & Engineering	Workshop on Architectural Education at Bombay from 12-3-91 to 15-3-91.
127. Dr. R. T. Vyas, Director, Oriental Institute	Conference of Gujarat State University and College Sanskrit Teacher's Association at Shamalaji from 27-3-91 to 29-3-91.

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