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M. S. University of Baroda

Sixth Annual Report

1954-55

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SIXTH ANNUAL REPORT

1954-55

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SIXTH ANNUAL REPORT, 1954-55

(1st July, 1954 to 30th June, 1955)

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

SIXTH ANNUAL REPORT, 1954-55

This report covers the period from the 1st July, 1954 to the 30th June, 1955 and is submitted to the Senate in accordance with section 24(2) of the Maharaja Sayajirao University of Baroda Act as amended up-to-date.

CHAPTER I—GENERAL

1. Institutions in the University.

Constituent and Recognised Institutions (under sections 42 and 69 of the Act).

(1) (a) Faculty of Arts: Provides courses leading to the degrees of B.A. and M.A. and guidance in research for the Ph.D. degree.

(b) The Oriental Institute: Provides facilities for research work in Sanskrit and Ancient Indian Culture, and undertakes publication work in Gujarati, Marathi and Sanskrit.

(c) The Baroda Sanskrit Mahavidyalaya: Provides courses leading to the degrees of 'Acharya' and 'Shastri', diploma of 'Visharad' and certificates of 'Pauranic' and 'Upadhyaya'.

(2) Faculty of Science: Provides courses leading to the degrees of B.Sc. and M.Sc. and guidance in research for the M.Sc. and Ph.D. degrees. The Faculty also provides instruction in the courses for First Year Science and Intermediate Science examinations.

(3) Faculty of Education and Psychology : Provides courses leading to the degrees of B.Ed., M.Ed., B.A. (Psycho.) and M.A. (Psycho.) and guidance in research for the M.Ed. and Ph.D. degrees. The Faculty also gives instruction for the diploma in Teaching. The University Experimental School is attached to the Faculty for experiments in Education and Psychology and conducts classes from Standard I to Standard XI leading to the examination for the Secondary School Certificate of the Bombay State.

(4) Faculty of Commerce : Provides courses leading to the degrees of B.Com. and M.Com., post-graduate diploma in Banking, diploma in Co-operation and guidance in research for the Ph.D. degree.

(5) Faculty of Medicine (The Medical College Baroda) : Provides courses leading to the degrees of M.B., B.S. The College is managed by Government of Bombay.

Sheth Ujamshi Pitambardas Ayurvedic Research Unit: Provides facilities for research in Ayurveda.

(6) Faculty of Technology (including Engineering) : Provides courses leading to the degrees of B.E. (Civil, Mechanical and Electrical), B. Text. (Eng.) and B. Arch.; to diplomas in Civil, Mechanical and Electrical Engineering, Textile Chemistry, Textile Technology and Architecture; and to certificate courses for Turners and Fitters, Wiremen, Carpentry, Dyeing, Weaving, Architecture and Drawing. In addition, the Faculty has a Technical High School attached to it, which conducts courses leading to the examination for the Secondary School Certificate of the Bombay State.

(7) (a) Faculty of Fine Arts : Provides courses leading to the B.A. (Fine) and M.A. (Fine) degrees, post-diploma and diploma courses in Painting, Sculpture and Applied Arts, post-graduate diploma course in Museology and certificate courses in Photography, Lithography, Pottery, Wood-work and Bronze-casting.

(b) College of Indian Music, Dance and Dramatics : Provides courses leading to degrees of B. Mus. and M. Mus. and diplomas in Music (Vocal and Instrumental), Dance and Dramatics.

(8) Faculty of Home Science : Provides courses leading to the degrees of B.Sc. (Home) and M.Sc. (Home). The Chetan Balwadi is attached to the Faculty for experiment and observation in Child Development.

(9) Faculty of Social Work : Provides a post-graduate course leading to the degree of M.S.W.

(10) Intermediate College : Provides courses leading to the First Year and Intermediate examinations in Arts and Commerce.

(11) The Museum and Picture Gallery (Managed by Government of Bombay)

2. Number of students in the University.

The following statement shows the number of students in the University at the commencement of the year under report :—

Statement showing the number of students in the University at the commencement of the year 1954-55

Institution	Post-graduate courses		Degree courses		Diploma courses		Total		Grand total	Grand total of 1953-54	Grand total of 1952-53
	Men	Women	Men	Women	Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11	12
1 Faculty of Arts	54	18	265	71	..	..	319	89	408	399	335
2 Faculty of Science	69	5	986	68	..	..	1055	73	1128	1099	1136
3 Faculty of Education & Psychology	42	5	103	24	28	6	173	35	208	173	149
4 Faculty of Commerce	32	..	157	3	29	..	218	3	221	220	185
5 Faculty of Medicine	..	..	223	36	..	..	223	36	259	182	153
6 Faculty of Technology (including Engineering)	..	..	379	..	809	1	1188	1	1189	1097	846
7 Faculty of Fine Arts	15	5	23	5	20	1	58	11	69	55	46
8 Faculty of Home Science	..	2	..	146	..	..	..	148	148	115	69
9 Faculty of Social Work	31	13	..	..	..	..	31	13	44	37	38
10 Intermediate College	..	..	582	125	..	..	582	125	707	612	470
11 College of Indian Music, Dance and Dramatics	..	..	13	10	220	115	233	125	358	388	408
12 Baroda Sanskrit Mahavidyalaya	9	..	9	..	34	..	52	..	52	62	53
Total..	252	48	2740	488	1140	123	4132	659	4791	4439	3888

Non-University Students

	Boys	Girls	Grand total	Grand total 1953-54	Grand total 1952-53
(a) Certificate courses					
1 Faculty of Technology (including Engineering)	132	..	132	114	170
2 Faculty of Fine Arts	2	..	2	1	3
3 Baroda Sanskrit Mahavidyalaya	53	..	53	42	39
(b) S. S. C. courses					
1 University Experimental School	262	130	392	296	214
2 Technical High School	153	..	153	104	65
3 S. S. C. Music classes	12	1	13	..	..
(c) Nursery courses					
1 Chetan Balwadi	35	25	60	60	50
Total..	649	156	805	617	541

3. Special features of the year under report.

(a) Progress of Important Research Projects *

(i) The Department of Gujarati, which has undertaken to edit a series of old Gujarati Texts, published their third volume " Prachin Fagu Sangraha " during the year under report.

(ii) The Department of Archaeology has a plan of a systematic archaeological survey of Gujarat. It carries out excavations at selected places and the findings are published. The second volume under this series, " Excavations at Timbarva ", was published during the year under report.

(iii) The Department of Sociology is carrying on intensive field surveys of villages and tribal communities in different parts of India. In April, 1955 it received a grant of $ 2,500/- from the Chicago University U.S.A. for conducting research work in a multi-caste village in Gujarat for which Barot records are available.

(iv) The Oriental Institute has undertaken a scheme of editing and publishing a critical and illustrated edition of Valmiki Ramayana at a cost of Rs. 8,25,000. The work of collation is in progress. A prospectus of the scheme published during the year was warmly received by scholars in India, Europe and America.

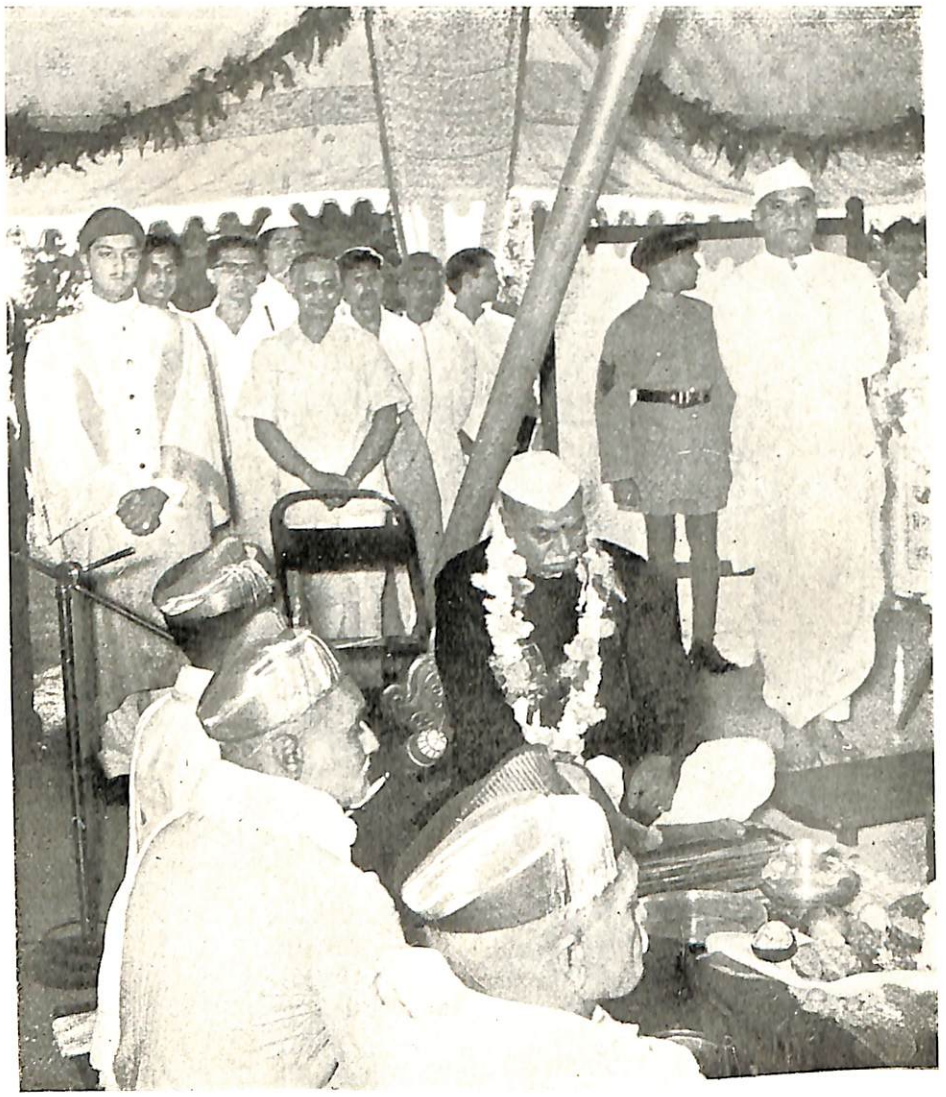
(v) A scheme of compilation of a cultural chronology of Gujarat from the earliest times upto the year of independence 1947 A.D. in four volumes is also taken up by the University. The first volume is nearing completion.

(vi) The Faculty of Education and Psychology has started work from April, 1954 on a scheme of research in Vocational and Educational Guidance as a part of the Government of India First Five Year Plan of development of Secondary Education.

(vii) The Faculty of Commerce commenced work of 'Enquiry into Rural Incomes and Savings in Gujarat' on behalf of the Research Programmes Committee, Planning Commission, Government of India. A grant of Rs. 50,500/- is sanctioned by the Planning Commission for the scheme.

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* For other items of research please see Chapter VII.



Dr. Rajendra Prasad, President of India, laying the corner stone of the new building of the University Library and the Oriental Institute: 16th November, 1954

(b) Important events

(i) The following new courses were started in the University from the commencement of the academic year 1954-55 :— M.A. (Psychology), B.Sc. Geology (Principal), M.Sc. Statistics, Post-graduate Diploma in Banking, Diploma in Co-operation, M.D., M.S., B. Arch., M.A. (Fine), M.Mus., Post-Diploma Courses in the Faculty of Fine Arts, Diploma in Textile Design, Certificate in Bronze Casting, M.Sc. (Home)— Foods & Nutrition, M.Sc. (Home)—Child Development.

(ii) Government of India, Ministry of Works, Housing and Supply under their letter No. WI-54 (22) dated the 29th June, 1954 sanctioned the transfer of the old Residency Office buildings, Secretary's Bungalow and outhouses and 20 Clerks' quarters to the University free of cost.

(iii) Dr. Rajendra Prasad, President of India, performed the ceremony of laying the corner stone of the building of the University Library and the Oriental Institute on the 16th November, 1954.

(iv) The annual meetings of the Scientific Advisory Board of the Indian Council of Medical Research and its advisory committees were held at Baroda from the 22nd November, 1954 to the 3rd December, 1954. Rajkumari Amrit Kaur, Union Minister for Health inaugurated this conference on the 22nd November, 1954. The fifth annual meeting of the Indian Association of Pathologists was also held at Baroda from the 19th to the 21st November, 1954. Both the conferences were held under the auspices of the University.

(v) The 42nd Session of the Indian Science Congress was held at Baroda under the auspices of the University from the 4th to the 10th January, 1955. Shri Jawaharlal Nehru, Prime Minister of India, inaugurated the Session on the 4th January, 1955.

(vi) The Government of Bombay, under their resolution No. BMC 1054 dated the 18th January, 1955, recognised the M.B., B.S. degrees granted by the University, on the recommendation of the Bombay Medical Council.

(vii) Shrimati Hansa Mehta, Vice-Chancellor, was unanimously re-elected as Vice-Chancellor for a further period of three years from the 30th April, 1955 by the Senate at its meeting held on the 3rd April, 1955.

(viii) The Faculty of Social Work has been selected by the Government of India, Community Projects Administration for conducting one of their Social Education Organisers' Training Centres. Two courses of three months' duration each were conducted during the year from January to March and May to July, 1955.

(ix) The Faculty of Home Science conducted a five-weeks' course in Home Science in the month of May-June 1955 as a part of the training of Chief Instructors for Home Economics Departments proposed to be established by the Government of India in the different parts of the country. The Faculty has been selected for running one of these Departments to train Grama Sevikas for Community Project Blocks.

(x) A Department of Extension Services to Secondary Schools has been started in the Faculty of Education and Psychology from the 18th June, 1955. It has a three year programme estimated to cost Rs. 2 lakhs. Government of India is financing this scheme.

(xi) A Youth Labour and Service Camp of the students of the University was organised from the 1st May, 1955 to the 21st May, 1955 at Sankheda. They constructed an earth road about 880 feet long and 23 feet wide.

(xii) The following were the University publications during the year under report :

Journals

(i) Journal of the Maharaja Sayajirao University of Baroda : 2 Volumes.

(ii) Journal of the Oriental Institute : 4 Volumes.

Books

(i) Under Gaekwar's Oriental Series :

(a) G.O.S. No. 124, Bharata's Natyashastra Vol. III.

(b) G.O.S. No. 125, Trisastisalakapurusacaritra Vol. IV.

(ii) Under Shri Sayaji Sahityamala Series :
No. 138, Dalpatram—Eka Adhyayana.

(iii) Under Shri Sayaji Balajnanamala :
No. 196, Shakuntala.

(iv) Under Shri Shishujnanamala :
(a) Gujaratana Pakshichitro,
(b) Roopa Ane Pario.

(v) Under Shri Sayajirao Gaekwad Honorarium Lecture Series :
Geology and Mineral Resources of India with reference to Gujarat and Bombay State.

(vi) Under Prachin Gurjar Granthmala :
Vol. 3, Prachin Phagu Sangraha.

(vii) Archaeological Series :
Vol. 2, Excavations at Timbarva.

(viii) Professor B. K. Thakore Series :
Apni Kavita Samruddhi.

(xiii) The Fourth Annual Convocation of the University was held in the University Gardens on the 17th October, 1954. Shri V. T. Krishnamachari, Deputy Chairman, Planning Commission, Government of India delivered the Convocation address. The following degrees were conferred at the Convocation.

	Examination	*In Person*	*In Absentia*	*Total*
1.	Ph.D. (Arts)	1	—	1
2.	M.A.	14	10	24
3.	Acharya	1	—	1
4.	B.A. (Special)	129	33	162
5.	B.A. (General)	2	2	4
6.	Shastri	4	2	6
7.	Ph.D. (Science)	1	—	1
8.	M.Sc. (by thesis)	2	—	2
9.	M.Sc. (by papers)	5	4	9
10.	B.Sc.	102	34	136
11.	M.Ed.	9	7	16
12.	B.Ed.	28	58	86
13.	M.Com.	3	3	6
14.	B.Com.	30	33	63

	Examination	In Person	In Absentia	Total
15.	M.B., B.S.	4	—	4
16.	B.E.	59	23	82
17.	B.A. (Fine)	7	—	7
18.	B. Mus.	5	—	5
19.	Diploma in Museology	1	2	3
20.	B.Sc. (Home)	14	3	17
21.	M.S.W.	5	9	14
	Total	426	223	649

(xiv) The following special grants were received during the year :—

From the Government of Bombay

Rs. 3,50,000/- Non-recurring building grant towards the construction of the following buildings :

University Library	Rs.	40,000/-
Faculty of Fine Arts	Rs.	91,000/-
Hostel for Engineering College Students	Rs.	2,19,000/-

From the University Grants Commission

Rs. 23,000/- For equipment of the Faculty of Science
Rs. 50,000/- For books of the Faculty of Science
Rs. 30,000/- For books on Humanities and Social Sciences
Rs. 1,00,000/- For development of the Faculty of Technology (including Engineering.)

From the Planning Commission

Rs. 15,744-7-3 For Socio-Economic Survey of the City of Baroda.
Rs. 7,600-0-0 For research in Educational and Vocational Guidance.
Rs. 6,150-4 0 For study of Agricultural Economy of Gujarat.
Rs. 12,500-0-0 For scheme of Rural Income and Savings in Gujarat.

From Community Projects Administration

Rs. 49,675-0-0 For Training Centre for Women Social Education Organisers.

From Government of India, Ministry of Food & Agriculture

Rs. 5,740/- For Training of Chief Instructors in Home Economics

From Government of India, Ministry of Education

Rs. 13,163/- For Labour and Social Service Camps.
Rs. 15,100/- Towards the Construction of a Swimming Pool
Rs. 7,000/- Towards the Construction of an Open Air Theatre

From Sangeet Natak Akadami

Rs. 10,000/- For Publication of works on Music.

4. Changes in the teaching staff.

(i) Appointment on existing posts :

The following appointments were made to some of the old posts which were vacant or which fell vacant during the year :

(The date of joining is mentioned in brackets after the name)

FACULTY OF ARTS

1	Reader in English	Shri C. M. Shukla, M.A. (Bom.), B.A. (Hons.) (London)	(1-7-1954)
2	Junior Lecturer in Economics	Shri H. P. Chokshi, M.A. (Baroda)	(5-8-1954)
3	Junior Lecturer in Politics	Shri Baljitsingh Sardar Baboosingh, M.A.,D.F.A. (Aligarh)	(2-8-1954)

FACULTY OF SCIENCE

4	Professor of Chemistry	Dr. S. M. Sethna, M.Sc., Ph D. (Bom.)	(1-7-1954)
5	Reader in Chemistry	Dr. C. M. Mehta, M.Sc.,Ph.D. (Bom.) A.R.I.C. (London)	(1-4-1955)
6	Reader in Chemistry	Dr. J. S. Dave, M.Sc. (Bom.), Ph.D. (London)	(1-4-1955)
7	Senior Lecturer in Physics	Dr. N. S. Pandya, M.Sc. (Bom.), Ph.D. (London)	(18-12-1954)
8	Junior Lecturer in Physics	Shri G. K. Trivedi, M.Sc. (Bom.)	(19-11-1954)

FACULTY OF EDUCATION AND PSYCHOLOGY

9	Senior Lecturer	Shri S. C. Parikh, B.A. (Bom.), M.Ed. (Baroda)	(1-7-1954)
10	Senior Lecturer	Smt. P. T. Phatak, B.A. (Bom.), M.Ed. (Baroda)	(1-7-1954)
11	Junior Lecturer	Shri I. J. Das, M.A. (Luck.), M.Ed. (Baroda)	(1-7-1954)
12	Junior Lecturer	Shri J. H. Fernandes, B.Sc. (Bom.), M.Ed. (Baroda)	(1-7-1954)

FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING)

13	Professor of Electrical Engineering	Dr. S. M. Sen, M.Sc. (Dac.), D.I.Sc. (Bangalore), M.S., PH.D. (E.E.) (Illinois), M.I.A.E. (U.S.A.) (1-7-1954)
14	Reader in Civil Engineering	Shri N. A. Shah, B.E. (Civil) (Bom.), A.M.I. Struct. E. (London) (1-7-1954)
15	Reader in Electrical Engineering	Shri K. K. Thakore, B.Sc. (Bom.), B.Sc. (ENG.) (B H.U.), A.M.I.E. (India) (18-6-1955)
16	Senior Lecturer (Temporary) in Civil Engineering	Shri D. B. Dastur, Dip. in Sani. Eng. (V.J.T.I.), A.M.I. Mun. E. (Lon.), Dip. in San. Eng. of City and Guildes (Lon.), A.M.I. Techl. (Gr. Brt.), A.M.I.B.E. (Lon.), M. R. San. I. (Lon.) (15-6-1955)
17	Junior Lecturer in Civil Engineering	Shri S. K. Damle, B.E. (Civil) (Baroda) (1-7-1954)
18	Junior Lecturer in Geology	Shri S. V. Desai, B.Sc. (Bom.), M.Sc. (B.H.U.) (21-2-1955)
19	Junior Lecturer in Applied Mechanics	Shri P.V. Chandratreya, B.E. (Civil) (Baroda) (15-6-1955)
20	Studio Assistant in Architecture	Shri N. S. Pingle, A.M., Advance Exam. in Drawing and Painting, G.D. Art. (Bom.) (1-7-1953)

FACULTY OF FINE ARTS

21	Senior Lecturer in Painting	Shri K. G. Subramanyam, B.A., Dip. in Arts (Shantiniketan) (24-2-1955)
22	Junior Lecturer in Dramatics	Shri R. P. Bhatt, B.A. (Bom.) (16-12-1954)

(ii) Appointments to new teaching posts :

The following new appointments, which became necessary as a result of re-organisation of teaching due to the introduction of new courses in some Faculties, were made during the year on the new posts duly instituted by the Senate :—

FACULTY OF ARTS

1	Senior Lecturer in Linguistics (Post of Junior Lecturer in French kept in abeyance)	Dr. N. G. Kalelkar, M.A. (Bom.), D.LITT. (Paris), D.S.E.F.N., D.C.F. (Paris) (7-2-1955)
2	Junior Lecturer in Archaeology (Temporary)	Shri R. N. Mehta, M.A. (Bom.) (3-9-1954)

FACULTY OF SCIENCE

3	Reader in Bio-Chemistry	Dr. C. V. Ramakrishnan, M.Sc , PH.D. (Bom.) (11-4-1955)
4	Junior Lecturer in Geography	Shri C. M. Gupta, M.A., M.Ed. (Aligarh) (19-1-1955)

FACULTY OF COMMERCE

5	Junior Lecturer in Economics	Shri D. K. Shukla, M.A. (Baroda) (1-7-1954)
6	Junior Lecturer in Accounts	Shri C. T. Shah, M.com. (Baroda) (1-7-1954)

FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING)

7	Professor of Mechanical Engineering (By conversion of a Reader's post)	Prof. L. B. Shah, B.Sc. (ENG.) (B.H.U.) M.Sc. (Tech.), A.M.C.T. (Manchester) (1-7-1954)
8	Reader in Architecture	Shri M. B. Achwal, A.R.I.B.A., A.I.I.A. (5-7-1954)
9	Senior Lecturer in Geology	Shri S. S. Merh, M.Sc. (B.H.U.) (16-10-1954)
10	Senior Lecturer in Textile Engineering	Shri S. S. Dighe, B.E. (Mech.) (Bom.), Training at Zurich (12-9-1954)

FACULTY OF FINE ARTS

11	Professor of Painting (By conversion of a Reader's post)	Prof. N. S. Bendre, B.A. (Aligarh), G.D. (Art) (Bom.) (1-7-1954)
12	Senior Lecturer in Museology	Kumari B. C. Doctor, M.A., Ph.D. (Bom.), Dip. in Museology (Baroda) (1-7-1954)
13	Junior Lecturer in Applied Arts	Prof. V. R. Amberkar, as Visiting Professor on Rs. 3,000/- p.a.
14	Junior Lecturer in Vocal Music	Shri M. M. Thakkar, Dip. in Music (Baroda) (1-7-1954)

FACULTY OF HOME SCIENCE

15	Professor of Home Science Education (By conversion of a Reader's post)	Dr. (Mrs.) R. P. Devadas, B.Sc. (Madras), M.Sc., M.A., PH.D. (Ohio) (1-7-1954)

16	Senior Lecturer in Home Science	Shrimati Renuka Mukerjee, B.A. (Cal.), M.A. (Columbia), Professional Diploma (Columbia) (26-8-1954)
17	Junior Lecturer in Home Science	Mrs. G. E. Mary Edwin, B.SC. (Lady Irwin), B.ED. (Delhi) (2-9-1954)

FACULTY OF SOCIAL WORK

18	Professor of Social Work (By conversion of a Reader's post)	Dr. (Miss) P. H. Vakharia B.A. (Bom.), Dip. S.S.A. (T.I.S.S.), M.S. (Columbia), PH.D. (New York) (1-7-1954)
19	Senior Lecturer in Social Work	Shrimati P. M. Bhatt, B.A. (Bom.), Dip. S.S.A. (T.I.S.S.) (8-12-1954)
20	Senior Lecturer (Resident Teacher S.E.O. Training Centre)	Shrimati S. C. Bhatia, B.A. (Agra), Dip. S.S.A. (T.I.S.S.), M.S.W. (Washington) (4-1-1955)
21	Junior Lecturer, S.E.O. Training Centre	Shri S. H. Shah, B.SC. (Hons.), M.S.W. (Baroda) (19-1-1955)
22	Junior Lecturer, S.E.O. Training Centre	Kumari C. M. Parikh, M.A. (Bom.), M.S.W. (Baroda) (19-1-1955)
23	Clinical Psychologist	Shri D. F. Pereira, M.A. (Bom.), Certificate of Vocational Guidance of Govt. of Bombay, Cert. of competency in Visual Education, Govt. of Bombay (8-11-1954)
24	Social Worker	Shri S. K. Majmudar, B SC., M.S.W. (Baroda) (26-9-1954)
25	Social Worker	Kumari P. S. Kelkar, B A. (Nagpur) (2-5-1955)

(iii) *Teachers who left the University*:

The following teachers left the University during the year for reasons mentioned in brackets after their designations :

	Name	*Designation*	*Reasons*
	FACULTY OF ARTS		
1	Prof. S. Chandrasekhar, M.A., M.LITT. (Madras), PH.D. (New York)	Professor of Economics	(Resigned to continue work as Nuffield Foundation Scholar in U. K.)

	Name	*Designation*	*Reasons*
	FACULTY OF SCIENCE		
2	Shri A. M. Talati, M.SC. (Bom.)	Junior Lecturer in Chemistry	(Resigned for better prospects elsewhere)
3	Shri J. L. Patel, M.SC. (Bom.)	Junior Lecturer in Chemistry	(Resigned for prosecuting higher studies in U.S.A.)
4	Shri K. P. Verma, M.SC. (B. H. U.)	Senior Lecturer in Physics	(Resigned for joining service in U.P. Government)
5	Shri D. G. Vashi, M.SC. (London)	Junior Lecturer in Statistics	(Resigned for joining Gujarat University service as Reader)
	FACULTY OF EDUCATION AND PSYCHOLOGY		
6	Shri T. P. Parekh, B.A. (Bom.), M.ED. (Baroda)	Junior Lecturer in Education and Psychology	(Resigned for better prospects elsewhere)
	FACULTY OF COMMERCE		
7	Dr. S. B. Mahabal, M.A., PH.D. (Bom.)	Senior Lecturer in Economics	(Resigned for accepting a Class I post under Government of Bombay)
	FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING)		
8	Shri G. K. Pradhan, B.E. (Civil), A.M.I.E. (India)	Junior Lecturer in Mechanics (Re-employed)	(Resigned due to ill-health)
	FACULTY OF HOME SCIENCE		
9	Dr. (Mrs.) R. P. Devadas, B.SC. (Madras), M SC., M.A., PH.D. (Ohio)	Professor of Home Science Education	(Resigned for accepting the post of Chief Home Economist in I.C.A.R., Government of India)
10	Mrs. T. H. Bhagat, B.SC., M.SC. (Corn.)	Junior Lecturer in Home Science	(Resigned for personal reasons)

Name	*Designation*	*Reasons*
	FACULTY OF SOCIAL WORK	
11 Kumari J. C. Merani B.A. (Bom.), M.S. (Columbia)	Senior Lecturer in Social Work	(Resigned for personal reasons)
12 Shri W. P. Singh B.A. (Agra), Dip. S.S.A. (T.I.S.S.)	Junior Lecturer in Social Work	(Not continued after probationary period)

5. Finances of the University.

(a) Endowments received during the year :

The Syndicate accepted the following new endowments during the year :

(1) Gandhi Dharamadas Haribhai Pustaka Pradan Fund.

A donation of Rs. 7,525/- was accepted from Shri Dharmadas H. Gandhi as per Syndicate Resolution No. 30 (5-b) dated the 16th October, 1954. To the amount so donated a sum of Rs. 2,500/- was added out of the University funds, thus making the total of Rs. 10,025/-. The fund has been invested in 4¼% Nasik Borough Municipality Loan of the face value of Rs. 10,000/-. Out of the earned interest, after deducting management charges, books worth Rs. 400/- are to be given to poor and deserving students of the Baroda Sanskrit Mahavidyalaya in the beginning of the first term.

(2) Dr. K. G. Naik Bio-Chemistry Department Fund.

A donation of Rs, 57,652/- was accepted as per Syndicate Resolution No. 37 dated the 29th January, 1955 from Dr. K. G. Naik, Dr. R. P. Patel, President of Dr. K. G. Naik Memorial Fund on behalf of the old friends and admirers of Dr. K. G. Naik, contribution from Dr. Naik's son, daughters and their respective spouses and some of his close friends. The purpose of the donation was to start a Bio-Chemistry Department in the Faculty of Science to be named " Dr. K. G. Naik Bio-Chemistry Department ". The following donations are to be utilised to equip the department.

(i) 3% Conversion Loan 1946, received from Dr. K. G. Naik of the face value of Rs. 20,000/-

(ii) 4¼% Nasik Borough Municipality Loan, received from Dr. R. P. Patel on behalf of the friends, admirers and old friends of Dr. K.G. Naik, of the face value of Rs. 12,000/- and

(iii) Cash contributions from :

(a)	His Highness Maharaja Fatehsinh Gaekwad	Rs. 5,000/-
(b)	Alembic Chemical Works Co. Ltd.	Rs. 5,000/-
(c)	New India Industries Ltd.	Rs. 2,000/-
(d)	Shri Manibhai B. Amin	Rs. 1,000/-
(e)	Dr. R. K. Trivedi	Rs. 300/-
(f)	Shri Mohanbhai C. Kothari	Rs. 251/-
(g)	Shri Champaklal G. Kothari	Rs. 51/-
(h)	Shri Chimanlal M. Kothari	Rs. 50/-
		Rs. 13,652/-

The following two gold medals are to be awarded annually at the Annual Convocation of the University, out of the interest of 4¼% Nasik Borough Municipality Loan of the face value of Rs. 12,000/- being the contribution from the son, daughters and their respective spouses and some of his close friends :

(i) Shrimati Itchhagauri Kuverji Naik Gold Medal to be awarded annually to the student appearing in the final examination in the Faculty of Home Science of the University adjudged to be the best student of the year, provided she secures ' A ' grade during her career in the Faculty of Home Science

(ii) Dr. K. G. Naik Memorial Gold Medal to be awarded annually to a scientific research worker in India in the field of Chemistry, whose contributions to the published research have found or are most likely to find applications in developing Indian Industries during the period of five years prior to the award of the medal, and are adjudged as of the highest distinction by a committee to be constituted as follows :—

(a) The Director of the National Chemical Laboratory, Poona.

(b) The President of the Indian Chemical Society, Calcutta.

(c) A distinguished Scientist to be nominated by the Syndicate.

(3) The Pratapsinh College of Commerce Stores and Baroda Consumers' Co-operative Society Prize Fund.

A donation of Rs. 1,527-7-2 was accepted from the Liquidator, Baroda District Co-operative Societies, being the surplus amount remaining after finalising the liquidation work of the Pratapsinh College of Commerce Stores and Baroda Consumers' Co-operative Society. The object is to award a prize to the candidate securing the highest number of

marks in the Diploma in Co-operation examination of the University from the earned interest of the fund, after deducting the charges of management. The fund is invested in 4% Bombay State Development Loan, 1963.

(b) *Other Endowments:*

(1) Baroda College Independence Day Essay Prize Fund.

The Independence Day Essay Prize Competition was held under the auspices of the University Union, and the prizes were awarded as under:

1st Prize: Shri Tarun N. Sheth, Junior B. A., Faculty of Arts (Rs. 100/- in books)

2nd Prize: Kumari Surbhi H. Trivedi, Senior B.A., Faculty of Arts (Rs. 50/- in books)

The fund is invested in 3% Conversion Loan, 1946, of the face value of Rs. 5,000/-

(2) Shri N. P. Pandya Memorial Prize Fund.

Shri N. P. Pandya Memorial Prize of Rs. 44-15-9 was awarded to Shri K. M. Dave who passed B.Sc. (Principal) Mathematics examination of April, 1954, in first class with distinction and highest marks in Mathematics.

The fund is invested in 3% Conversion Loan, 1946 of the face value of Rs. 1,500/-.

(3) Shri G. K. R. Purohit Scholarship Fund.

No candidate appeared for the Visharad examination of 1954. Hence no prize was awarded during the year.

The fund is invested in 3½% Ten Year Treasury Savings Deposit Certificate of Rs. 5,000/-.

(4) Shri Maganbhai Shankerbhai Patel Scholarship Fund.

Shri Maganbhai Shankerbhai Patel Scholarship of Rs. 193-8-0 was awarded to Shri R. F. Patel who stood first in the 1st M.B.,B.S. examination held in April 1954 at the Baroda Medical College.

The fund is invested in 4% Bombay State Development Loan, 1964, of the face value of Rs. 5,000/—.

(5) Captain K. N. Panimanglore Prize in History Fund.

Captain K. N. Panimanglore Prize of Rs. 59-14-0 in books was awarded to Shri G. D. Shukla who has passed the B. A. (Special) examination in April, 1954 in Second Class standing first in the subject of History.

The fund is invested in 4% Bombay State Development Loan, 1963, of the face value of Rs. 1,500/—.

(6) Sheth Todarmal Chimanlal Shamal Bechar Vallabh Vedanta Prize Fund:

No prize was awarded during the year under report, for want of qualified candidate. A prize essay on "Vallabhacharya as an interpreter of the Brahmasutras" has been invited to reach the office on or before the 28th January, 1956. The fund is invested in 4% Bombay State Development Loan, 1963 of the face value of Rs. 10,000/-.

(7) Taraknath Das Foundation of India—Shri Arbindo Prize Fund.

As the courses in Political Science were introduced from June, 1954, no examination was held in 1954. The Taraknath Das Foundation of India–Shri Arbindo Prize was not awarded and the amount of the prize was added to the corpus.

The fund is invested in 4% Bombay State Development Loan, 1963 of the face value of Rs. 500/—.

(8) 28th Indian Philosophical Congress (Baroda) Reception Committee Prize Fund.

As no interest was earned in the year 1953-54, the prize was not awarded during the year under report.

The fund is invested in 4% Bombay State Development Loan, 1963 of the face value of Rs. 1,600/—.

(9) United Nations' Appeal for Children Fund.

During the year under report Rs. 2,561-0-3 were spent out of the interest of Rs. 3,416-2--0 of the above fund as under:

		Rs.
(i)	Chetan Balwadi:	
1	Freeships	769- 0- 0
2	Foods (including Lunch Fees)	225-14- 3
3	Shoes & Clothes	29- 8- 0
4	Medical Aids	99- 5- 3
5	Play Centre	101- 2- 9
		1.224-14- 3
(ii)	University Experimental School:	
1	Play Equipment	323-15- 9
2	Refreshment, Milk, etc.	524- 6- 0
3	Medicine	150-15- 6
		999- 5- 3

(iii)	Faculty of Social Work :	
1	Nutrition	237-10- 3
2	Medicine (including Doctor's fees)	22-13- 0
3	Educational Programme	62- 4- 0
4	Nutritional Equipment	14- 1- 6
		336-12- 9
	Total	2,561- 0-3

The closing balance of the fund is Rs. 1,08,129-9-2, which is invested as follows :

3% Conversion Loan 1946 (Face value Rs. 1,09,200/-)	Rs. 1,01,554- 9- 6
4¼% Surat Borough Municipality Loan, 1952 (Face value Rs. 3,400/-)	Rs. 3,359-10- 0
Balance in Current Account with the Bank of Baroda Limited, Account No. III	Rs. 3,215- 5- 8
	Total Rs. 1,08,129- 9- 2

A further sum of Rs. 3,000/- is being invested in 4% Bombay State Development Loan, 1967.

(10) Women's Educational Trust Fund.

During the year under report a further sum of Rs. 40,000/- was received by the University from the Trustees of the Women's Trust Fund. The following expenditure was incurred :—

(1)	Towards the construction of the building of the Faculty of Home Science	Rs. 2,900-13-0
(2)	Construction of Practice Cottage	Rs. 24,214-14-0
(3)	Purchase of equipment and furniture for the Faculty of Home Science	Rs. 19,300- 8-6
(4)	Amount of interest received during the year transferred towards the maintenance of the Faculty of Home Science including scholarships of Rs. 700/- from the donation of Kelavani Trust, Baroda.	Rs. 8,819-9-0
		Total Rs. 55,235-12-6

The scholarships of Rs. 700/- were awarded to the students of the Faculty of Home Science during the year out of the interest on donation of Rs. 20,000/- by the Kelavani Trust Baroda to the Women's Educational Trust Fund.

(11) Rural Community Welfare Centre

In recognition of the services rendered by Shri V. T. Krishnamachari as the Dewan of Baroda for industrial development, His Highness the Chancellor addressed certain industrialists for raising a memorial in the form of a Rural Community Welfare Centre at Samiala in the Faculty of Social Work. The following donations have been received during the year under report :

		Rs.
1.	Shri Navinchandra Mafatlal	5,000/-
2.	Ambica Mills Limited (Shri Jaykrishna Harivallabhdas)	3,000/-
3.	New India Industries Limited (Shri B. M. Ghia)	3,000/-
4.	Messrs. A. Sheth & Company	300/-
5.	Sayaji Mills Limited	2,500/-
6.	Alembic Chemical Works Co. Limited	5,000/-
7.	The Bank of Baroda Limited	5,000/-
8.	Sarabhai Chemicals (Shri Ambalal Sarabhai)	3,000/-
9.	Navjivan Mills Limited	2,500/-
10.	Sidhpur Mills Limited	2,500/-
11.	Tata Sons Limited	5,000/-
12.	Tata Chemicals Limited	5,000/-
13.	Sir Ratan Tata Trust	5,000/-
14.	Navsari Cotton & Silk Mills Limited	2,000/-
15.	Gaekwad Mills Limited	2,000/-
16.	S. I. Quarry Works	500/-
17.	Motilal Kasandas & Co.	1,500/-
18.	Petlad Turkey Red Dye Works	1,250/-
19.	Keshav Mills Limited	1,250/-
		55,300/-
	Interest on Fixed Deposit Receipts	704-10-0
		56,004-10-0

The amount of Rs. 56,004-10-0 has been placed as a fixed deposit with the Bank of Baroda Limited, Baroda.

(12) Critical Edition of Ramayana Fund.

The following donations have been received during the year towards the critical and illustrated edition of Valmiki Ramayana undertaken by the Oriental Institute :

1.	Sir Dorabji Tata Trust Donation promised Rs. 15,000/-, first instalment	Rs. 3,000/-
2.	The Century Spinning & Manufacturing Co. Ltd. (Shri Rameshwar Birla) Donation promised Rs. 25,000/-, first instalment	Rs. 10,000/-
3.	Sheth Pranlal Devkaran Nanjee	Rs. 1,501/-
4.	Shri Ramnath Anandilal Podar	Rs. 1,250/-
	Total	Rs. 15,751/-

(c) Capital Funds :

Receipts and Payments for the year 1954-55
(1st July, 1954 to the 30th June, 1955)
Technology (including Engineering) Fund

Receipts		*Payments*	
Interest	82,406-11-9	Buildings for Engineering Section	20,594-11-0
Opening Balance	27,27,814-13-6	Buildings for Technology Section	1,39,119-14-3
		Equipment and furniture for Engineering section	59,862- 5-6
		Equipment and furniture for Technology Section	1,34,771- 5-3
		Amount transferred to Revenue for Maintenance of Technology Department	29,871- 0-6
		Loss on sale of Securities	41,447- 0-0
		Closing Balance	23,84,555- 4-9
	28,10,221- 9-3		28,10,221- 9-3

Note :—Advances of Rs. 3,46,138-7-3 for Technology Section and Rs. 97,007-5-0 of Engineering Section are given against orders placed for equipment. Closing balance will be reduced to that extent.

Ayurvedic Research Fund
(Sheth U. P. Ayurvedic Research Unit)

Receipts		*Payments*	
Interest	22,828- 7-0	Constructing Ras-shala	2,714- 6-9
Unspent balance out of the Grant of Rs. 36,000/- from Government of Bombay	8,572- 7-3	Closing Balance	8,22,069-14-3
Opening Balance	7,93,383- 6-9		
	8,24,784- 5-0		8,24,784- 5-0

Post-graduate Instruction and Research Fund

Receipts		*Payments*	
Interest	1,04,553-14-0	Amount transferred to Revenue for expenditure on Research staff, Contingencies, Books Equipment etc.	1,12,231- 9-0
Opening Balance	37,60,494-15-7	Closing Balance	37,52,817- 4-7
	38,65,048-13-7		38,65,048-13-7

General Building Fund

Receipts		*Payments*	
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust, Bombay towards the construction of a Hall of Residence in the compound of the University.	1,00,000- 0- 0	Buildings : Water-supply scheme in the University Campus.	206- 2-3
Grant from Government of Bombay towards the construction of the following Buildings :	3,50,000- 0- 0	IIIrd Hall of Residence for men students.	3,11,355- 7-6
IVth Hall of Residence for Engineering students	2,19,000/-	IVth Hall of Residence for men students.	4,10,492- 0-6
University Library	40,000/-	Hall of Residence for Women students.	63,438- 6-0
Faculty of Fine Arts	91,000/-	Faculty of Fine Arts.	1,20,557-10-9
		University Library Building.	44,927- 7-6
		Shooting Range and preparing ground for N. C. C.	1,599- 0-0
		Sports Pavilion.	54,298-14-0

Recovery from the contractor towards the work of construction of a Hall over the Western wing of the Science Institute.	933-15- 0	Sanitary fittings, Electric fittings etc. in the student's Recreation Hall.	27-14-0
Opening Balance	5,11,813- 7- 2	Boat House.	2,311- 4-0
Excess of payments over receipts *i. e.* deficit.	60,831- 1-10	Faculty of Edu. and Psy. (additions and alterations)	4,145- 9-0
		Gas Plant in the Faculty of Science.	1,582-14-6
			10,14,942-10-0
		Equipment for the Faculty of Fine Arts	8,635-14-0
	10,23,578- 8- 0	Total :	10.23,578- 8-0

Women's Educational Trust Fund

Receipts		*Payments*	
Interest	8,819- 9-0	Building of the Faculty of Home Science	2,900-13-0
Amount transferred to the University by the Trustees of the Women's Educational Trust Fund, Baroda.	40,000- 0-0	Practice Cottage	24,214-14-0
Opening Balance	2,06,591- 5-0	Equipment and Furniture for the Faculty of Home Science	19,300- 8-0
		Amount transferred to Revenue towards the Maintenance of the Faculty of Home Science	8,819- 9-0
		Closing Balance.	2,00,175- 1-0
	2,55,410-14-0		2,55,410-14-0

(a) Revenue Accounts :

Receipts and Expenditure for the year 1954-55, i.e. from the 1st July, 1954 to the 30th June, 1955

S. No.	Particulars	Receipts in Rs.	S. No.	Particulars	Expenditure in Rs.
I	**Tuition Fees and other income from Faculties**	**5,61,431-14-9**	I	University General Administration Establishment Charges	1,65,602- 8-0
(a)	Faculty of Arts	78,451-11-0	II	Examination Charges	1,54,685- 3-0
(b)	Faculty of Science	1,32,055-10-0	III	Purchase of Deadstock & Repairs	6,742-10-9
(c)	Faculty of Edu. & Psy.	60,780- 0-0	IV	Publications	26,324- 6-0
(d)	Faculty of Commerce	44,691- 8-0	V	Information and Publicity	5,143- 8-6
(e)	Faculty of Technology (including Engineering)	2,01,067- 8-3	VI	Remuneration to Lecturers	—
(f)	Faculty of Fine Arts	8,408- 5-0	VII	Travelling Allowance	27,653- 3-0
(g)	Faculty of Home Science	15,345-11-6	VIII	Printing and Stationery	38,211- 5-6
(h)	Faculty of Social Work	10,878-12-0	IX	Maintenance of Buildings and Roads	32,582- 7-0
	Institutions		X	Maintenance of Gardens	14,620-15-0
(1)	Oriental Institute	—	XI	Municipal Rates and Taxes and Law Charges	5,788- 0-0
(2)	College of Indian Music, Dance and Dramatics	18,741- 8-0	XII	University Contribution to P. F.	4,483-14-0
		203- 4-0	XIII	Study Leave	7,720-10-0
(3)	Intermediate College		XIV	Miscellaneous	64,112- 4-0
(4)	Baroda Sanskrit Mahavidyalaya	29-13-0	XV	University Library	55,597- 4-9
	Total :	5,70,653-10-9	XVI	Physical Education Department	42,591- 1-3
	Less excess of freeships over deposit of Rs. 42,600 kept in 1953-54.	9,221-12-0	XVII	Research Staff, Contingency and Equipment	1,12,731- 9-0
II	*Examination Fees*	**1,41,989-12-0**			
III	*Other Fees*	**34,868- 0-0**			
IV	*Income from Publications*	***13,121-12-6***			

S. No.	Particulars	Receipts in Rs.
V	Grant from the Government of Bombay	12,51,405- 0-0
VI	Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	3,00,000- 0 0
VII	Interest on Cash Balances	5,113- 1-2
VIII	Income from Endowments	1,50,968- 5-6
IX	Income from Halls of Residence for students	54,757-8-0
X	Income from use and occupation of University Bungalows and Quarters including furniture rent	31,604- 1-9
XI	Income from Lease of Land and Trees	5,049- 5-3
XII	Miscellaneous Income	36,533- 8-0
XIII	Income from M. S. University of Baroda Press (Sadhana Press)	1,25,504- 9-6
XIV	Transfer from Building Depreciation Fund	2,878- 0-0
	Total Receipts :	27,15,224-14-5
	Excess of Expenditure over Receipts i. e. Deficit	4,25,022-13-9
	Grand Total	31,40,247-12-2

S. No.	Particulars	Expenditure in Rs.
XVIII	**Faculties and Institutions**	21,54,448- 9-3
	Faculties	
(a)	Faculty of Arts	2,92,820-11-3
(b)	Faculty of Science	4,21,548- 5-9
(c)	Faculty of Edu. & Psy.	1,90,376- 4-9
(d)	Faculty of Commerce	79,521- 8-0
(e)	Faculty of Technology & Engineering	5,95,659·12·6
(f)	Faculty of Fine Arts	1,16,162-13-6
(g)	Faculty of Home Science	1,22,021- 9-3
(h)	Faculty of Social Work	1,01,820- 8-3
	Institutions	
(1)	Oriental Institute	60,086-12-3
(2)	College of Indian Music	1,08,145-10-9
(3)	Intermediate College of Arts & Commerce	25,168- 6-9
(4)	Baroda Sanskrit Mahavidyalaya	41,116- 2-3
XIX	**Halls of Residence for Students**	95,206- 7-3
XX	**M. S. University of Baroda Press (Sadhana Press)**	1,26,001-13-11
	Grand Total	31,40,247-12-2

6. Construction Division.

(a) *Personnel :*

Shri N. B. Patel continued to be the University Engineer during the year. He was assisted by a staff of one Deputy Engineer and 16 Class III and 37 Class IV servants.

(b) *Original works completed :*

The following original works were completed during the year under report :

		Expenditure during the year Rs. as. ps.	*Total expenditure* Rs. as. ps.
1	Faculty of Technology (including Engineering) Acquisition of property on Piramitar Road.	30,940- 1-0	6,36,990- 5-3
2	Providing iron grill to windows in spinning section.		
3	Dark room to Micro-projector in the Textile Testing Laboratory.		
4	Cellar and Dust Chimney to blow room machinery in the Faculty of Technology.		
5	Demolishing the furniture shed between Patternand Carpentry shop and Heat Engines Laboratory.		
6	Constructing Textile Testing Laboratory.		
7	Partition for work room in spinning section.		
8	Partition for Laboratory attendent in Textile Testing Laboratory.		
9	Kalabhavan Workshop Store.		
10	Airconditioning in Textile Testing Laboratory.		
11	Providing sink and wash basin in the dark room of Textile Testing Laboratory.		
12	Guard room, gate and office of TAIRO in Textile Testing Laboratory.		
13	Providing platform for loom in the Weaving section, Faculty of Technology.		
14	Passage in the Workshop store for furniture shed.		

		Expenditure during the year Rs. as. ps.	*Total Expenditure* Rs. as. ps.
	Engineering Section		
15	Providing partition in Electrical Laboratory.		
16	Library extension in the Faculty of Technology.		
17	Lightning Conductor for the Faculty of Technology.		
18	Iron grill in the Faculty of Technology.	9,138- 8-0	8,91,030- 8-0
19	Providing partition in the Hydraulics Laboratory.		
20	Making partition in the Fitting shop.		
21	Providing flap shutters in the Faculty of Technology.		
II	Shooting Range and preparing ground for N.C.C.	1,599- 0-0	2,825- 4-0
III	Remaining works of Ras Shala.	2,714- 6-9	48,481- 5-9
IV	Petrol gas plant room of the Faculty of Science.	1,582-14-6	1,582-14-6
V	Minor Works in Faculty of Home Science	2,900-13-0	2,900-13-0
	1 Lightning Conductor		
	2 Cycle shed		
VI	Faculty of Education and Psychology	2,834- 1-0	2,834- 1-0
	1 Venetian shutters to windows in the Faculty.		
	2 Providing permanent electric wiring with fittings in the office block of the Principal, University Experimental School.		

(*c*) *Works in progress*:

The following works were in progress during the year under report:

		Expenditure during the year Rs. as. ps.	*Total Expenditure* Rs. as. ps.
I	Faculty of Technology (including Engineering)		
1	Providing wiring of electric lights, fans and plugs in Chemistry section of Faculty of Technology.		
2	Furniture shed in Faculty of Technology.		
3	Providing wiring of electric lights, plugs and fans in the new extension of Heat Engines Laboratory.		
4	Rebuilding the compound wall.	1,08,179-12-3	1,11,829 -9-9
5	Providing wiring of electric installation in the Workshop.		
6	Extension of the Textile Chemistry Department.		
7	Additions and alterations in the Workshop Superintendent's office.		
8	Providing electric lights and fans in Textile Testing Laboratory.		
	Engineering Section		
9	Additions to Room No. 26 of Architecture Department.	11,456- 3-0	11,456- 3- 0
10	Providing partition, lights, fans and plug points in the Geology Department.		
11	Thorough repairs to the leaking terrace of Kala Bhavan.		
II	Water Supply Scheme, University Campus.	206- 2-3	62,188- 4-10
III	Hall of Residence for women students. (Northern Wing)	63,438- 6-0	8,50,100- 0- 5
IV	Hall of Residence for men students. (No. III)	3,11,355- 7-6	5,73,061- 4- 0

		Expenditure during the year	*Total Expenditure*
		Rs. as. ps.	Rs. as. ps.
V	Hall of Residence for Technology students. (No.IV)	4,12,384- 9 6	5,00,071-12- 9
VI	University Library.	43,870-15-6	1,21,476-11- 6
VII	Faculty of Fine Arts. (New Block)	1,20,557-10-9	4,29,264- 1- 9
VIII	Faculty of Education and Psychology 1 Providing ceiling fans, exhaust fan etc. in the present Geography room of the Faculty. 2 Providing plugs and ceiling fans in the Faculty.	1,311- 8-0	1,311- 8- 0
IX	Sports Pavilion.	54,298-14-0	54,298-14- 0
X	Open Air Theatre.	3,183- 0-0	3,183- 0- 0
XI	Boat House.	2,312- 4-0	2,312- 4- 0
XII	Home Management House.	24,214-14-0	24,214-14- 0

(d) *Ordinary and Special Repairs.*

The works of ordinary and special repairs were carried out throughout the year as per requirements of the University Office, and the different Faculties and Institutions.

All the gardens, except Botanical gardens, were looked after and maintained by the Constructions Division.

7. University Examination Results.

The following two statements show the results of September-October, 1954 and March-April-June, 1955 examinations:

Results of University Examinations Second half, 1954 (September-October, 1954)

S. No.	Examination	No. Registered	Absent	No. appeared: Men	No. appeared: Women	No. appeared: Total	Number Passed: Men: I Class	Men: II Class	Men: Pass Class	Men: Total	Women: I Class	Women: II Class	Women: Pass Class	Women: Total	Grand Total	Percentage	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	B.Sc. (Subsidiary)*	27	1	26	..	26	..	..	19	19	..	..	..	..	19	73.0	
2	(a) B.Com.	38	1	37	..	37	..	..	14	14	..	..	..	..	14	38.0	
	(b) B.Com.* vide O. 235 of B.U. in additional subject only	6	..	6	..	6	..	..	6	6	..	..	..	..	6	100.0	
3	Ist M.B.,B.S.*	64	..	56	8	64	..	..	30	30	..	..	3	3	33	51.5	
4	IInd M.B.,B.S.*	13	..	11	2	13	..	..	7	7	..	..	2	2	9	69.2	
5	IIIrd M.B.,B.S.*	32	1	29	2	31	..	..	11	11	..	..	2	2	13	45.1	
6	B.E. (Civil)	5	..	5	..	5	..	1	2	2	..	..	..	..	3	60.0	
7	B.E. (Electrical)	3	..	3	..	3	1	2	..	3	..	..	..	..	3	100.0	
8	B.E. (M. & E.) Transitory	4	..	4	..	4	..	2	2	4	..	..	..	..	4	100.0	
9	Diploma in Electrical Engineering	2	..	2	..	2	..	..	2	2	..	..	..	..	2	100.0	
10	M.S.W.*	3	..	3	..	3	..	..	2	2	..	..	..	..	2	66.6	

Results of University Examinations First half 1955 (March-April-June 1955)

Sr. No.	Examination	No. Registered	Absent	No. appeared			Number passed								Grand Total	Percentage	Remarks
							Men				Women						
				Men	Women	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	F.Y. Arts	246	1	183	62	245	4	14	78	96	2	8	31	41	137	55.9	
2	Inter Arts	264	8	187	69	256	2	39	114	155	..	29	36	65	220	85.9	
3	B.A. (Special)	205	8	157	40	197	8	54	73	135	3	20	10	33	168	85.3	
4	B.A. (General)	7	1	6	...	6	..	3	2	5	..	..	..	..	5	83.3	
5	M.A.	43	2	29	12	41	1	8	9	18	..	2	5	7	25	60.0	
6	Visharad	1	..	1	..	1	..	1	..	1	..	..	..	..	1	100.0	
7	Shastri	2	1	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
8	Acharya	2	..	2	..	2	1	1	..	1	..	..	..	..	2	100.0	
9	F.Y. Science	441	3	401	37	438	30	133	131	294	2	6	17	25	319	72.8	
10	Inter Science	372	4	356	12	368	55	119	93	266	2	6	2	10	276	75.0	
11	B.Sc. (Principal)	199	3	181	15	196	17	48	73	138	1	7	4	12	150	76.5	
12	B.Sc. (Subsidiary)*	180	8	156	16	172	..	..	120	120	..	..	14	14	134	77.9	

Results of University Examinations—First half, 1955 (March-April-June, 1955)

Sr. No.	Examination	No. Registered	Absent	No. appeared			Number passed								Grand Total	Percentage	Remarks
							Men				Women						
				Men	Women	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
13	M.Sc.	40	..	37	3	40	3	19	7	29	..	2	..	2	31	77.5	
14	T.D.	31	..	25	6	31	..	..	25	25	..	..	6	6	31	100.0	
15	B.Ed.	104	..	95	9	104	14	57	20	91	2	5	2	9	100	96.2	
16	M.Ed. (By papers)	13	3	10	..	10	1	3	5	9	..	..	..	..	9	90.0	
17	F.Y. Commerce	175	3	172	..	172	9	20	51	76	..	..	..	..	76	44.1	
18	(a) Inter Commerce	130	..	129	1	130	5	35	57	97	..	..	1	1	98	75.4	
	(b) Inter Commerce* vide O. 233B of B.U. in Accountancy only (B.A. students)	19	..	18	1	19	..	..	10	10	..	..	1	1	11	57.8	
19	(a) B.Com.	76	8	68	..	68	1	7	39	47	..	..	..	..	47	69.1	
	(b) B.Com.* vide O. 235 of B.U. in additional subject only	2	..	2	..	2	..	..	1	1	..	..	..	..	1	50.0	
	(c) B.Com.* vide O. 380 (B.A. students)	16	1	14	1	15	..	..	3	3	..	..	..	..	3	20 0	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
20	M.Com.	5	..	5	..	5	..	..	4	4	..	..	..	..	4	80.0	
21	*Diploma in Co-operation**	22	3	19	..	19	..	..	18	18	..	..	..	..	18	94.7	
22	*Post-graduate Diploma in Banking**	12	1	11	..	11	..	..	7	7	..	..	..	..	7	83.6	
23	Ist M.B.,B.S.*	32	2	24	6	30	..	..	18	18	..	..	4	4	22	73.3	
24	IInd M.B.,B.S.*	28	..	24	4	28	..	..	16	16	..	..	2	2	18	64.3	
25	IIIrd M.B.,B.S.*	44	..	43	1	44	..	..	12	12	..	..	..	..	12	27.3	
26	F.E. (CMET)	134	..	134	..	134	4	48	44	96	..	..	..	..	96	71.6	
27	S.E. (CMET)	151	..	151	..	151	13	62	42	117	..	..	..	..	117	77.4	
28	(a) *B.E. (Civil)*	35	..	35	..	35	2	23	6	31	..	..	..	..	31	88.5	
	(b) B.E. (Mechanical)	31	..	31	..	31	10	18	1	29	..	..	..	..	29	93.3	
	(c) B.E. (Electrical)	19	..	19	..	19	1	9	8	19	..	..	..	..	18	94.7	
29	Diploma in Mechanical Engineering	55	..	55	..	55	9	29	14	52	..	..	..	..	52	94.5	
30	Diploma in Electrical Engineering	66	..	66	..	66	8	28	21	55	..	..	..	..	55	83.3	

Sr. No.	Examination	No. Registered	Absent	No. appeared			Number passed								Grand Total	Percentage	Remarks
							Men				Women						
				Men	Women	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
31	Diploma in Civil Engineering	61	..	61	..	61	6	14	31	51	..	..	..	..	51	83.6	
32	Diploma in Architecture	34	..	33	1	34	1	10	13	24	..	..	..	..	25	73.5	
33	Diploma in Weaving Technology	19	..	19	..	19	4	11	4	19	..	..	..	..	19	100.0	
34	Diploma in Textile Chemistry	40	..	40	..	40	11	18	10	39	..	..	..	..	39	97.5	
35	Diploma in Textile Technology (Transitory)	6	..	6	..	6	2	3	1	6	..	..	..	..	6	100.0	
36	Diploma in Music*	15	..	11	4	15	..	..	8	8	..	..	2	2	10	66.3	
37	Diploma in Dance*	6	..	2	4	6	..	..	2	2	..	..	4	4	6	100.0	
38	Diploma in Dramatics*	3	..	3	..	3	..	..	3	3	..	..	..	..	3	100.0	
39	B.Mus.*	4	..	2	2	4	..	..	2	2	..	..	1	1	3	75.0	
40	*Diploma in Sculpture**	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	

Results of University Examinations—First half, 1955 (March-April-June, 1955)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
41	Diploma in Applied Arts*	2	..	2	..	2	..	..	2	2	..	..	..	..	2	100.0	
42	B.A. (Fine)																
	(a) Painting*	3	..	3	..	3	..	..	3	3	..	..	..	..	3	100.0	
	(b) Sculpture*	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
	(c) Applied Arts*	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
43	Post-graduate Diploma in Museology*	7	..	4	3	7	..	..	4	4	..	..	2	2	6	85.7	
44	B.Sc. (Home)*	24	..	..	24	24	..	..	..	..	..	..	24	24	24	100.0	
45	M.S.W.*	23	..	15	8	23	..	..	12	12	..	..	8	8	20	87.0	
46	Ph.D. (Economics)*	..	..	3	..	3	..	..	2	2	..	..	..	..	2	66.6	

Note : In the examinations marked with asterisk no class is given. The number of successful students is given in pass class only.

CHAPTER II—OFFICERS AND AUTHORITIES OF THE UNIVERSITY

1. Officers.

(*i*) *The Chancellor* :

His Highness Shrimant Maharaja Fatehsinh Gaekwad of Baroda, Maharaja of Baroda continued to be the Chancellor during the year.

(*ii*) *The Vice-Chancellor* :

Shrimati Hansa Mehta, B.A. (Hons.) (Bombay) continued to work as Honorary Vice-Chancellor under Statute 114D upto the 29th April, 1955. She was re-elected as Vice-Chancellor for a further period of three years from the 30th April, 1955 by the Senate at its meeting held on the 3rd April, 1955.

During the period under report she attended the following meetings in India :

(1) Central Advisory Board of Education at New Delhi—10th January, 1955 to the 15th January, 1955.

(2) Joint Board of Vice-Chancellors of the Statutory Universities in the State of Bombay at Bombay—18th and 19th April, 1955.

She was elected President of the Indian Conference of Social Work at its session held from the 26th to the 30th December, 1954 at Lucknow.

(*iii*) *The Pro-Vice-Chancellor :*

Dr. C. S. Patel, B.A., M.Sc. (Bom.), Ph.D. (Leeds) continued to work as Pro-Vice-Chancellor under Statute 115B throughout the year. He attended the following meetings in India :

(1) Bombay State Industrial Research Committee at Bombay—2nd August, 1954.

(2) Joint Board of Vice-Chancellors of the Statutory Universities in the State of Bombay at Ahmedabad—6th August, 1954.

(3) Executive Committee of the Indian Science Congress at Delhi —22nd October, 1954.

(4) Executive Committee of the Indian Science Congress at Calcutta—7th May, 1955.

(*iv*) *Deans of the Faculties :*

The following persons continued to work as Deans of the respective Faculties during the year :

Faculty	*Name of the Dean*
Arts	Shri V. Y. Kantak, M.A. (Bom.)
Science	Dr. N. M. Bhatt, M.Sc., (Bom.), Ph.D. (Edin.) F.S.S.
Education and Psychology	Professor T. K. N. Menon, B.A. (Madras), Dip. in Edu. (Leeds and Berlin), M.A. (Edu.) (Leeds)
Commerce	Professor V. Y. Kolhatkar, M.Com. (Bom.), M.Sc. (Econ.) (London)
Medicine	Dr. A. N. de Quadros, M.B.,B.S. (Bom.), D.P.H. (London), F.R.C.S. (Eng.)
Technology (including Engineering)	Professor D. Subbarao, B.E. (Civil) (Mysore), A.M.I.E. (India)
Fine Arts	Professor Markand Bhatt, G.D. (Art) (Bom.), M.A. (Barnes Foundation)
Home Science	(a) Professor (Shrimati) R. P. Devadas, B.Sc. (Madras), M.A., M.Sc., Ph.D. (Ohio) (upto the 31st March, 1955)
	(b) Dr. (Miss) F. P. Kitrell, B.S., M.S., Ph.D. (Cornell) (from the 1st April, 1955 as Offg. Dean)
Social Work	Professor (Kumari) P. Vakharia, B.A. (Bom.), Dip. S.S.A. (T.I.S.S.), M.S. (Columbia), Ph.D. (New York)

(*v*) *The Registrar :*

Shri B. K. Zutshi, M.A., LL.B. (Luck.) continued to work as the Registrar during the year.

(*vi*) *The Librarian :*

Dr. C. P. Shukla, M.A., B.T. (Bom.), M.A. (L.S.), Ph.D. (Michigan) was appointed University Librarian from the 3rd November, 1954 on his return from U.S.A.

(*vii*) *Other Officers :*

The following persons continued to work as Heads of other Institutions and Offices during the year :

Name of the Institution or Office	*Name of the Head*
Oriental Institute	Shri G. H. Bhatt, M.A. (Bom.)
College of Indian Music, Dance and Dramatics	Shri R. C. Mehta, B.A. (Bom.)
Baroda Sanskrit Mahavidyalaya	Shri H. C. Mehta, M.A., B.T. (Bom.)
Intermediate College	Shri V. D. Salgaonkar, M.A.,LL.B. (Bom.)
University Experimental School	Shri K. S. Yagnik, M.A., B.T. (Bom.)
Construction Division	Shri N. B. Patel, B.E. (Civil) (Bom.), A.M.I.E. (India)
Wardens' Committee	Shri C. M. Shukla, M.A. (Bom.), B.A. (Hons.) (London)
M. S. University Press	Shri R. J. Patel, B.A. (Bom.)
Physical Education	(a) Shri M. V. Sheshachar, B.A. (Hons.), Dip. in Phy. Edu. (Madras) (till the 20th February, 1955)
	(b) Shri B. K. Naik, Dip. in Phy. Edu. (Madras), B.S. (P.E.), M. P. E. (Massachusetts) (from the 21st February, 1955)

2. Authorities.

(*i*) *The Senate :*

The Senate, constituted under section 18 (1) of the Act assumed office on the 15th September, 1951. It consisted of 91 members. The names of the members have been published in the University Handbook Part I, 1955. All the members mentioned therein continued in office till the end of the year except for the changes mentioned below :

(1) Dr. John Mathai became an ex-officio member of the Senate consequent upon his appointment as the Vice-Chancellor of the University of Bombay from the 15th March, 1955 in place of Sir N. J. Wadia.

(2) Professor (Shrimati) R. P. Devadas ceased to be Dean, Faculty of Home Science from the 31st March, 1955.

(3) Dr. M. R. Mandlekar was nominated by the Government of Bombay as a representative of the Department of Industry from the 15th January, 1955 in place of Shri D. G. Mulherkar.

(4) Shri C. C. Mehta, Dr. U. P. Shah and Shri N. B. Amin were nominated by Government on the Senate from the 12th February, 1955 in place of the late Shri R. V. Desai, the late Shri R. G. Gyani and Shri R. B. Amin resigned respectively.

(*ii*) *The Syndicate :*

The term of office of the Syndicate constituted under section 23 (2) of the Act on the 1st November, 1951 expired on the 31st October, 1954. Elections were held to the Syndicate in September-October, 1954. The following were the members of the new Syndicate which assumed office on the 1st November, 1954 :

1. Shrimati Hansa Mehta, B.A. (Hons.), Vice-Chancellor
2. Dr. C. S. Patel, B.A., M.Sc. (Bom.), Ph.D. (Leeds), Pro-Vice-Chancellor
3. Shri S. S. Bhandarkar, B.A. (Bom. & London), Director of Education
4. Dr. Jivraj N. Mehta, L.M. & S., F.C.P.S. (Bom.), M.D., M.R.C.P. (London)
5. Shri C. J. Sutaria, B.A., LL.B. (Bom.)
6. Dr. Jyotindra M. Mehta, M.A. (Oxon), Ph.D. (London), Bar-at-Law
7. Dr. R. K. Trivedi, M.Sc. (Bom.), D.Sc. (France)
8. Shri B. B. Joshi, L.T.M. (Hons.), A.T I.
9. Shri P. C. Hathi, B.A., LL.B. (Bom.)
10. Shri N. D. Chokshi, B.A., LL.B. (Bom.)
11. Professor T. K. N. Menon, B.A. (Madras), Dip. in Edu. (Leeds and Berlin), M.A. (Edu.) (Leeds)
12. Professor (Kumari) P. Vakharia, B.A. (Bom.), Dip. S.S.A. (T.I.S.S.), M.S. (Columbia), Ph.D. (New York)
13. Shri V. Y. Kantak, M.A. (Bom.)
14. Dr. N. M. Bhatt, M.Sc. (Bom.), Ph.D. (Edin.), F.S.S.
15. Dr. J. D. Pathak, B.Sc., M.D., F.C.P.S. (Bom.)



Dr. V. T. Krishnamachari, Deputy Chairman, Planning Commission, in the Senate Procession: 17th October, 1954.

CHAPTER III—THE SENATE

1. Number of meetings.

During the year 1954-55 three meetings of the Senate were held, the first on the 18th October, 1954, the second on the 3rd April, 1955 and the third on the 26th June, 1955.

2. First meeting.

At the meeting of the Senate held on the 18th October, 1954, a condolence resolution mourning the death of Shri Ramanlal Vasantlal Desai, a member of the Senate and the Syndicate was passed. The following business was then transacted.

The following elections were held at the meeting :

(a) Election of seven Fellows, who are not teachers to the Syndicate, under section 23 (2) (v) of the Act.

(b) Election of two Deans to the Syndicate under section 23 (2) (vi) of the Act.

(c) Election to fill up one vacancy on the Board of Accounts under Statute 105A.

(d) Election of one Fellow representing the Faculty or Faculties to which the Institution belongs on the Board of Visitors for all the Faculties except the Faculty of Technology (including Engineering) and, Oriental Institute, College of Indian Music, Dance and Dramatics and Intermediate College under Ordinance 189-I-C-(i).

(e) Election of two Fellows who are not members of the Syndicate and who are ordinarily resident in Baroda, on the Board of Extra Mural Studies under Ordinance 247 (6).

Election under item (a) above was contested by eleven persons. As a result of the scrutiny of votes the following persons were declared duly elected to the Syndicate for a period of three years from the 1st November, 1954 :

(1) Dr. Jivraj N. Mehta
(2) Shri P. C. Hathi
(3) Shri N. D. Chokshi
(4) Shri C. J. Sutaria

(5) Shri B. B. Joshi
(6) Dr. Jyotindra M. Mehta
(7) Dr. R. K. Trivedi

Elections under items (b) and (c) were uncontested. Professor T. K. N. Menon and Professor (Kumari) P. Vakharia were declared elected to the Syndicate for a period of three years from the 1st November, 1954 and Shri G. K. Patil was declared elected to the Board of Accounts.

Election unter item (d) was also uncontested except in the case of the Board of Visitors for the College of Indian Music, Dance and Dramatics.

The following persons were declared elected to the respective Boards of Visitors :

	Name	*Board of Visitors for the*
1.	Dr. S. S. Bhawe	Faculty of Arts
2.	Dr. M. S. Shah	Faculty of Science
3.	Shri N. B. Katpitia	Faculty of Education and Psychology
4.	Shri R. B. Amin	Faculty of Commerce
5.	Dr. B. B. Yodh	Faculty of Medicine
6.	Shri R. C. Mehta	Faculty of Fine Arts
7.	Dr. F. P. Kittrell	Faculty of Home Science
8.	Shri S. N. Ranade	Faculty of Social Work
9.	Professor B. J. Sandesara	Oriental Institute
10.	Shri V. Y. Kantak	Intermediate College

Dr. Motichandra and Professor Markand Bhatt were nominated for the one seat on the Board of Visitors for the College of Indian Music, Dance and Dramatics. As a result of the scrutiny Professor Markand Bhatt was declared elected to the Board of Visitors for the College of Indian Music, Dance and Dramatics.

Election under item (e) was also uncontested and Shri V. D. Salgaonker and Shri R. C. Mehta were declared elected to the Board of Extra Mural Studies under Ordinance 247 (6).

(2) The following persons who had become ex-officio members of the Senate were assigned to Faculties shown against their names;

	Name	*Faculty or Faculties*
1.	Shri D. C. Pavate M.A. (Cantab), Vice-Chancellor, Karnatak University	Arts
2.	Dr. N. M. Bhatt, M.Sc. (Bom.), Ph.D. (Edin.), F.S.S., Dean, Faculty of Science	Science and Arts
3.	Professor (Shrimati) R. P. Devadas, B.Sc. (Madras), M.Sc., M.A., Ph.D. (Ohio), Dean, Faculty of Home Science	Home Science
4.	Shri V. D. Salgaonkar, M.A., LL.B. (Bom.), Principal, Intermediate College	Arts
5.	Shri G. K. Patil, B.A. (Hons.), B.E. (Bom.), B.Sc. (Hons.) (Engrg.), A.C.G.I. (London), M.I.E. (India), representative of the Public Works Department of the Government of Bombay	Technology (including Engineering)
6.	Shri G. G. Navathe, B.Ag., representative of the Agriculture Department of the Government of Bombay	Science

(3) Renewal of lapsed grants amounting to Rs. 1,617/- in the revenue budget and Rs. 2,84,235/- in the capital budget and supplementary grants amounting to Rs. 8,400/- in the revenue budget and Rs. 81,400/- in the capital budget were also sanctioned.

(4) Ordinances regarding the standard of admission, of passing, syllabus etc. for the post-graduate Diploma in Banking and under-graduate Diploma in Co-operation in the Faculty of Commerce were considered and passed.

(5) A proposal to amend Statute 92 with a view to creating a separate Board of Studies in Psychology with 4 to 7 members and also to increasing the membership of the Board of Studies in Medicine, Surgery, Midwifery etc. from '3 to 9' to '5 to 9' was considered and passed.

(6) A proposal to amend Statute 116A with a view to providing for the appointment of an Honorary teacher in any of the subjects comprised in the department as Head of that particular department was considered and passed.

(7) Proposals to amend Statutes 118 and 120 concerning the

appointment of Registrar consequent upon the amendment of section 14(1) of the Act was also considered and passed.

(8) A proposal to delete Statute 157 which was contradictory to Statute 84 was also considered and passed.

(9) A proposal to substitute Statute 162A for the present Statutes 162A, 162B and 162C was referred back to the Syndicate by the Senate.

(10) Report of the Board of Accounts on the accounts of the year 1952-53 was approved by the Senate.

(11) A proposal to institute the posts of Senior Lecturer in Linguistics, Faculty of Arts and Senior Lecturer in Dancing—College of Indian Music, Dance and dramatics was also considered and passed.

3. **Second meeting.**

At the second meeting of the Senate held on the 3rd April, 1955 condolence resolutions on the deaths of Shri Girja Shankar Bajpai, Governor of Bombay, Dr. S. S. Bhatnagar, Chairman, University Grants Commission and Shri R. G. Gyani, member of the Senate were passed.

The following business was then transacted :

(1) Election of the Vice-Chancellor under section 10 (1) of the Act.

Out of the following panel of three persons recommended by the Syndicate, Dr. Jyotindra M. Mehta and Principal S. B. Junnarkar had requested for permission of the House to withdraw their names from the election :

(1) Shrimati Hansa Mehta

(2) Dr. Jyotindra M. Mehta

(3) Principal S. B. Junnarkar

The House having granted the permission, Shrimati Hansa Mehta was declared elected as the Vice-Chancellor.

(2) Election to fill up two vacancies on the Board of Accounts under Statute 105A was also held. Shri J. S. Parikh being the only candidate duly nominated was declared elected. The second vacancy remained to be filled up.

(3) The following persons who had become members of the Senate were assigned to the different Faculties mentioned against their names :

	Name	*Faculty or Faculties*
1.	Dr. M. R. Mandlekar, Ph.D., D.I.C., representative of the Department of Industry of the Government of Bombay.	Science, and Technology (including Engineering).
2.	Dr. S. N. Mukerji, M.A., B.T., T.D. (London), Dip.E d. (Dublin), Ed.D. (Columbia), elected by the teachers of the Faculty of Education and Psychology	Education and Psychology
3.	Shri C. C. Mehta, B.A. (Bom.), nominated by the Government of Bombay in place of the late Shri R. V. Desai	Arts, and Fine Arts
4.	Dr. U. P. Shah, M.A., Ph.D. (Bom.), Dip. Mus. (Baroda), nominated by the Government of Bombay in place of the late Shri R. G. Gyani	Arts, and Fine Arts
5.	Shri N. B. Amin, S.B, M.Sc. (U.S.A.), nominated by the Government of Bombay in place of Shri R. B. Amin resigned.	Technology (including Engineering.)

(4) (a) A proposal recommending to the State Government to amend section 18 (1) Class II-A (ia) of the Act vith a view to affording representation to the teachers of the constituent colleges on the Senate was considered and passed.

(b) Another proposal, recommending to the State Government to amend the Act by substituting the words 'Technology and Engineering' instead of the words 'Technology (including Engineering)' wherever they occur in the Act, was also considered and passed.

(5) A proposal to amend Statute 115 I with a view to providing that the powers and duties of the officers of the University, in so far as they are not provided for in the Act and the Statutes, shall be as laid down by the Syndicate by Ordinances was considered and passed.

(6) A report of the Syndicate on the reference back to them by the Senate of the proposal to substitute Statute 162A in place of the present Statutes 162A, 162B and 162C was also considered and passed. The Statute provides for a grant of different under-graduate Diplomas awarded in the University.

(7) (a) The Annual Report and the Annual Accounts for the year 1953-54 were also considered and passed.

(b) The excess of expenditure over the revised estimates on some items of the Annual Accounts for the year 1951-52, which were left out through oversight, were sanctioned.

(8) (a) A proposal to institute the following posts was considered and passed :

1. Lecturer in Archaeology—Faculty of Arts
2. Lecturer in Sociology—Faculty of Arts
3. Lecturer in Banking—Faculty of Commerce
4. Lecturer in Mechanical Engineering—Faculty of Technology (including Engineering)
5. Lecturer in Electrical Engineering—Faculty of Technology (including Engineering)
6. Lecturer in Dramatics—College of Indian Music, Dance and Dramatics
7. Lecturer in Violin—College of Indian Music, Dance and Dramatics

(b) Proposals to amend the designation of the post of (i) a 'Professor of Banking' into that of a 'Professor or Reader in Banking' and (ii) a 'Reader in Tele-communication' to that of a 'Reader in Electrical Engineering' were also considered and passed.

4. Third meeting.

At the third meeting of the Senate held on the 26th June, 1955 the following business was transacted :

(1) Dr. R. L. Desai was elected uncontested to the Board of Accounts under Statute 105A.

(2) Dr. John Mathai, B.A., B.L. (Madras), B. Litt. (Oxon), D.Sc. (London), Vice-Chancellor, University of Bombay who became an ex-officio member of the Senate, was assigned to the Faculties of Arts and Commerce.

(3) The Annual Financial Statement comprising

(a) the Revised Estimates for the Revenue Budget for the year 1954-55 and the Estimates for the Revenue Budget for the year 1955-56,

(b) the Revised Estimates for the Capital Budget for the year 1954-55 and the Estimates for the Capital Budget for the year 1955-56, and

(c) the Revised Estimates for the budget of the grants received from Government of India for the year 1954-55 and the Estimates for the year 1955-56

was considered and adopted.

(4) Ordinances regarding the standard of admission, of passing etc. for the third and the fourth years of the B. Text. (Engineering) degree courses were considered and passed.

(5) Report of the Board of Accounts on the accounts of the year 1953-54 was considered and passed.

(6) (a) A proposal to institute the following posts was considered and passed :

(1) Senior or Junior Lecturer—Faculty of Education and Psychology
(2) Junior Lecturer in Machine Drawing and Design—Faculty of Technology (including Engineering)
(3) Senior Lecturer in Textile Chemistry—Faculty of Technology (including Engineering)
(4) Reader in Architecture—Faculty of Technology (including Engineering)
(5) Junior Lecturer in History of Art—Faculty of Fine Arts
(6) Junior Lecturer—Faculty of Social Work
(7) Junior Lecturer—Faculty of Social Work
(8) Senior Lecturer—Faculty of Social Work

(b) A proposal to amend the designations of the posts mentioned below as shown against each of them was also considered and passed :

	Present designation	*Proposed designation*
	Faculty of Technology (including Engineering)	
1	Reader in Textile Chemistry	1 Professor or Reader in Textile Chemistry
	Faculty of Home Science	
2	Senior or Junior Lecturer in Home Management	2 Senior or Junior Lecturer in Home Science
3	Senior or Junior Lecturer in Food and Nutrition	3 Senior or Junior Lecturer in Home Science
4	Senior or Junior Lecturer in Home Economics Education	4 Senior or Junior Lecturer in Home Science

	Present designation	*Proposed designation*
5	Senior Lecturer in Clothing and Textiles	5 Senior Lecturer in Home Science
6	Junior Lecturer in Child Development	6 Junior Lecturer in Home Science
7	Junior Lecturer in Home Science Education	7 Junior Lecturer in Home Science
8	Junior Lecturer in Child Development	8 Junior Lecturer in Home Science
	Faculty of Social Work	
9	Reader or Senior Lecturer in Child Welfare Work or Group Work	9 Reader or Senior Lecturer in Social Work
10	Reader or Senior Lecturer in Psychology	10 Reader or Senior Lecturer in Social Work
11	Senior Lecturer in Rural Welfare	11 Senior Lecturer in Social Work
12	Senior or Junior Lecturer in Social Pathology	12 Senior or Junior Lecturer in Social Work
13	Senior or Junior Lecturer in Social Research	13 Senior or Junior Lecturer in Social Work
14	Senior or Junior Lecturer in Field Work	14 Senior or Junior Lecturer in Social Work

5. Average attendance.

The average attendance at the meetings of the Senate was 55.

CHAPTER IV—THE SYNDICATE

1. Number of meetings.

During the year under report the Syndicate held eleven meetings (six Special and five Ordinary) at which they considered and passed resolutions on 785 items. A perusal of the Syndicate minutes, printed and circulated to the members of the Senate, would give an idea of the amount of work done at each meeting and variety of subjects on which the Syndicate had to record their decisions. Some of the important decisions are mentioned in the paragraphs below.

2. New development and improvements of existing departments.

In the Faculty of Science the staff of the newly started department of Geography was further strengthened during the year by the addition of one Junior Lecturer on its staff. The department of Geology had started B. Sc. (Principal) course in Geology from June, 1954. This necessitated addition of a Senior Lecturer to its staff. An amount of Rs. 16,480/- was also sanctioned for purchase of additional furniture, laboratory and museum equipment and library books and journals for the department. Additional space was also provided by suitable additions and alterations in the building of the Faculty of Technology (including Engineering) where the department is housed at present.

In the Faculty of Education and Psychology, the number of admission to B. Ed. course was increased from 75 to 100. Two part time lecturers were appointed to supervise the increased practice teaching work. A graduate librarian was also appointed in the Faculty.

In the Faculty of Commerce, two new lecturers and two part-time teachers were added to cope up with additional teaching work on account of addition of two new courses—Post-graduate Diploma in Banking and Diploma in Co-operation.

In the Faculty of Technology (including Engineering) a new post of a Reader in Architecture was filled up from the 5th July, 1954 to cope with additional teaching work in the department on account of starting the B.Arch. Degree course. Staff of the Mechanical Engineering department was strengthened by filling up the post of a Professor which was instituted by the Senate in the year 1949. Textile Engineering depart-

ment started 2nd year classes in B. Text. Engineering. A Senior Lecturer and three technicians were added to its staff. Besides equipment worth Rs, 0.59 lakhs was purchased for the Engineering departments and worth Rs. 1.35 lakhs for Technology departments of the Faculty.

In the Faculty of Fine Arts, the post-degree and post-diploma classes were started from June, 1954, and new staff consisting of one Professor (by conversion of a Reader's post), one Junior Lecturer and a Demonstrator was appointed in the Faculty during the year.

One Professor (by conversion of a Reader's post) and three Demonstrators, were added to the staff of the Faculty of Home Science to enable it to start post-graduate courses in Foods and Nutrition and Child-Development. The services of two American Professors, one in Foods and Nutrition and the other in Child Development were obtained under the T.C.M. programme for help in developing the two departments in the Faculty. Equipment worth Rs. 19,300/- was purchased for improving the existing laboratories and starting a new Bio-chemistry laboratory.

Post-graduate classes were started in the College of Indian Music, Dance and Dramatics requiring additional staff of experts in the several specialised fields in all its three departments. It was felt that suitable whole-time teachers would not be available in these fields nor would it be economical. It was, therefore, decided to invite experts for lectures and/or demonstrations in the various branches of Music, Dance and Dramatics. Under this scheme, 22 experts were invited during the year under report at a total cost of Rs. 7,835/-

In the Faculty of Social Work, a new subject of Criminology and Juvenile Delinquency was added and a Senior Lecturer was appointed to deal with it. One of the Reader's post in the Faculty was converted to a Professor's post. The activities of the Mental Hygiene and Psychiatric Clinic of the Faculty were expanded during the year with the help of a donation from the Jean and Norman Trust of Australia and a Clinical Psychologist and two whole-time Social Workers were appointed in the Clinic to meet with increased activities.

3. Starting new departments and courses.

The Baroda University Committee of 1948 had stressed the importance of establishing a department of Bio-chemistry in the Faculty of Science. As early as 1949, the Syndicate had set apart a sum of rupees

MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA * FACULTY OF TECHNOLOGY & ENGINEERING * KAMLA MEHTA LIBRARY

one lakh out of the funds received from the former Baroda Government for equipment of the Bio-chemistry department. There is a thriving pharmaceutical industry in Baroda and the Board of Visitors for the Faculty of Medicine also emphasised the necessity of a post-graduate Bio-chemistry course in the University. The Syndicate had accordingly planned to start a new department of Bio-chemistry in the Faculty of Science. The syllabus for a post-graduate course in Bio-chemistry was drafted by Boards of Studies in Anatomy and Physiology and Chemistry jointly and passed by the Faculties of Science and Medicine jointly in the last quarter of the preceding year. The building accommodation required for the department was made available with the shifting of the Government Drugs, Agricultural and Excise Laboratories from the building of the Faculty of Science early in the current year to accommodation provided to them in the Medical College building. An expert Committee was appointed to consider and report on the question of starting the department in all its details. Meanwhile, the Syndicate received a promise of a donation of Rs. 50,000/- from the Dr. K. G. Naik Memorial Fund for the proposed department on condition that the department was named after Dr. K. G. Naik. The Syndicate considered the report of the above-mentioned Committee and under Resolution No. 2 dated the 20th August, 1954 decided to start instruction in M.Sc. (Bio-chemistry) from June, 1955 and approved a staff consisting of a Reader, a Lecturer, two Demonstrators, a Technician and an Attender for the department. A grant of Rs. 10,000/- for equipment of its laboratory was also sanctioned. A Reader was appointed from the 11th April, 1955 who made necessary preliminary preparations and the course was started from the 15th June, 1955 with five students.

The Syndicate also considered and approved in August, 1954 a scheme submitted by the Dean, Faculty of Arts to start a department of Linguistics at a cost of Rs. 20,000/-. The Senate approved the creation of a post of a Senior Lecturer in Linguistics and the post was filled up from the 7th February, 1955. Later on, however, it was decided that Linguistics should not be considered as a separate department but courses in linguistics should be organised under the department of Modern Indian Languages.

The Syndicate also considered during the year, the recommendation of the Secondary Education Commission regarding a three year degree course and decided to re-organise the present four year degree courses into

(i) Preparatory course of one year and (ii) Three year degree course in the Faculties of Arts, Science and Commerce. On the scheme having been approved by the joing meeting of the Faculties of Arts, Science and Commerce, a Committee consisting of the Deans of these Faculties was set up to work out details of the Preparatory course and the same was started from the 15th June, 1955. It was also decided that in this course, the teachers should be given the option to teach in English or Hindi or Gujarati and the students should also be given the option to answer their papers in the examination in any of these three languages. It was also decided that for purposes of teaching English and Hindi, the students in this course should be split up into batches not exceeding 60. Two additional part-time teachers in English and one in Hindi were sanctioned for this purpose.

Towards the end of the year, the Syndicate considered a proposal from the Dean, Faculty of Technology (including Engineering) and sanctioned starting of a new four-year course in the Faculty leading to the degree of Bachelor of Textile Technology (B. Text. (Tech.)) The admissions to the First year of this course were made from the 15th June, 195-

4. Honorary Professors.

A scheme of inviting eminent scholars and experts in specialised branches of knowledge as Honorary and Visiting Professors is introduced. These experts are invited to cover a particular portion of the syllabus. Honorary Professors are expected to stay in Baroda and give at least four lectures a month and Visiting Professors are expected to cover the desired portion of the syllabus in a series of lectures. Shri C. C Mehta, B.A., was invited to work as Honorary Professor in Dramatics in the College of Indian Music, Dance and Dramatics during the year. Shri L. B. Shastri, Retired Principal, Baroda Sanskrit Mahavidyalaya was continued during the year as Honorary Lecturer in Aesthetics and Shri H. K. Doring as Honorary Professor in Sculpture in the Faculty of Fine Arts. Miss M. A. Cassidy, Superintendent, Kolhapur Missionary School was invited to work as Honorary Professor in the Faculty of Home Science. They delivered lectures detailed in Chapter XXIII of this report. Besides these, other eminent persons were invited to deliver lectures, the details of which will also be found in Chapter XXIII.

5. Research Assistants and Research Students.

A scheme to appoint research assistants on a net salary not exceeding Rs. 200/- p.m. and research students on a stipend of Rs. 75/- p.m. is also

instituted to help members of the staff in research work being carried out by them. During the year under report there were eight research assistants, two in the department of Gujarati and one each in the departments of Archaeology, Sociology, Economics, Chemistry, Botany and Music. Seven research studentships were awarded, two in the department of Chemistry and one each in the departments of Botany, Psychology, Sanskrit, Sociology and History. The total amount spent over this scheme during the year was Rs. 18,145-10-0.

6. Additional grants for research.

The University also considered schemes of surveys, research, studies, etc. from the members of the staff and sanctioned books, equipment and contingency charges to improve facilities for research work. Some schemes approved previously were continued and some additional schemes were sanctioned during the year. The amounts actually spent during the year were as follows :—

Department	*Particulars*	*Amount spent* Rs.
Gujarati	Scheme of publishing critical editions of old Gujarati texts	4,769-14- 6
	Publications of the late Professor B. K. Thakore's Series	141- 0- 0
Sociology	Books, equipment and contingencies for field work	2,308-12- 6
History	Scheme of Research in Muslim History of Gujarat	3,410-12- 0
	Scheme of compilation of a Chronology of Gujarat	4,579-15- 3
Economics	Books	367-12- 9
	Survey of Industrial Conditions in Baroda City	1,101- 4- 0
	Inquiry into Rural Incomes and Savings	2,082-13- 0
Education and Psychology	Apparatus, equipment, printing stationery, T.A. and Contingency for research in Education	7,212- 2- 3
Medicine	Survey of health of families of teachers in Secondary Schools in Baroda	1,463- 7- 0
Fine Arts	Books	1,592-14- 6
College of Indian Music, Dance & Dramatists	Books	2,807-14- 9
	Total :	31,838-11- 3

7 Facilities to the members of the staff for higher studies.

(1) In order to encourage teachers to take up further studies in India and abroad in various specialised fields, the University provides following facilities :—

(a) Study leave : Under Ordinances regarding study leave, a teacher in permanent employment of the University and a standing of five years is considered eligible for grant of study leave on full basic pay, subject to a maximum of Rs, 300/- p.m. for a period of two years. He is also paid travelling expenses and tuition fees in addition.

(b) Grant of leave without pay : The University is recommending suitable members of the teaching staff for scholarship offered by the Government of India under the T. C. M. and Overseas Training Programme and for grants and awards under the United States Educational Foundation, British Council Travel Grants and for studies in various foreign Universities. Teachers selectedfor such awards are granted necessary leave without pay.

(c) Special increments for acquiring Ph.D. : Any teacher who acquires a degree of Ph.D. of any University in India or abroad is given one special increment along with his next due increment.

(d) Research Studentships and Fellowships : Some juuior members of the staff are awarded suitable amounts as studentships or fellowships for further studies or research work in other Universities.

(2) (a) The following teachers, who were granted facilities under the schemes mentioned above returned to the University during the year after acquiring qualifications as shown against them :—

	Name	*Designation*	*Type of facility*	*Qualifications acquired*
1	Dr. S. N. Mukerji (24-8-1954)	Reader in Education and Psychology	Granted study leave	Ed. D. in Educational Administration (Columbia, U. S. A.)
2	Dr. J. S. Dave (November, 1954)	Junior Lecturer in Chemistry	Granted study leave	Ph.D. in Physical Chemistry (London)

	Name	*Designation*	*Type of facility*	*Qualifications acquired*
3	Dr. N. S. Pandya (November 1954)	Junior Lecturer in Physics	Granted study leave	Ph.D. in Physics (London)
4	Dr. C. P. Shukla (November 1954)	Assistant Librarian	Leave without pay and loan	M.A., Library Science (Michigan, U. S. A.) Ph.D., Library Science (Michigan, U. S. A.)
5	Dr. C. M. Mehta (August 1954)	Senior Lecturer in Chemistry	Due leave and leave without pay	D. I. C. for research in Biochemistry (London.)
6	Dr. J. C. George (November 1954)	Reader in Zoology	Leave without pay	Further research experience at the University of Pennsylvania, U. S. A. as a Fulbright and Smith Mundt Scholar.
7	Shrimati P. M. Bhatt (Dec. 1954)	Junior Lecturer in Social Work	Leave without pay	Master of Social Work, University of Toronto, Canada
8	Shri S. S. Dighe (Sept., 1954)	Senior Lecturer in Mechenical Engineering	Deputed at University expense	Further training in Textile Technology at the Swiss Federal Institute of Technology, Zurich.

(b) The following members of the staff were continuing their further studies aboard at the end of the year :

	Name	*Designation*	*Type of facility*	*Nature of studies*
1	Shri B. R. Seju	Demonstrator in Chemistry	Leave without pay	Advanced studies in Metallurgy in U. K. under Government of India Scholarship.
2	Shri S. T. Kothari	Junior Lecturer in Politics	Leave without pay	Doctorate in Political Science at Hoshschul Fur Politishe Wisser Schaften. Munchen, West Germany.

	Name	*Designation*	*Type of facility*	*Nature of Studies*
3	Shri A. S. Patel	Junior Lecturer in Education and Psychology	Leave without pay. Studentship of Rs. 150/- p.m.	Ph. D. in Psychology University of Wisconsin, U. S. A.
4	Shri D. G. Kapadnis	Demonstrator in Physics	Leave without pay. Fellowship of Rs. 250/- p.m.	Ph.D. in Low Temperature Physics Kammerlingh Onnes Laboratory, Leiden Sweeden
5	Shri S. J. Shah	Junior Lecturer in Mechanical Engineering	Deputed at University expense	Further training in Textile Technology at the Swiss Federal Institute of Technology, Zurich.

(c) The following members of the staff were granted facilities for further studies abroad as shown below and they commenced their work at the respective Univesrities during the year :

	Name	*Designation*	*Type of facility*	*Nature of studies*
1	Dr. B. Subbarao	Reader in Archaeology	Leave on full pay	Higher Studies in Archaeology at the Institute of Archaeology, University of London under British Council Grant
2	Kumari Savitri Pandit	Junior Lecturer in Home Science	Due leave and leave without pay	Higher studies in Home Economics at Seattle, Washington, U. S. A. Full Bright Travel Grant and Scholarship from Home Economics Club of the University of Washington
3	Kumari Amita Mehta	Senior Lecturer in Home Science	Due leave and leave without pay, one way passage	Higher studies in the University of Tennessee, Knoxville, U. S. A. under Scholarship from All India Home Economics Association

(d) The following members of the staff were granted nccessary facilities as shown below for going abroad for the purpose shown against them :

	Name	*Designation*	*Type of facility*	*Purpose*
1	Shri G. B. Pandya	Reader in History	Duty leave, due leave and some leave without pay	To attend Seminar on Educational Administration at Chicago University and to lecture as a Fulbright Visiting Professor
2	Professor Markand Bhatt	Professor of Applied Arts	Due leave	To go to Toronto, Canada as a Visiting Professor in Arts at the Art Teacher's Training Course
3	Kumari I. D Malani	Senior Lecturer in Social Work	Duty leave	To attend a Seminar on Social Education and International Relations in Japan

(e) The following members of the staff were deputed for training in India as shown against them :—

	Name	*Designation*	*Training*
1	Shri S. M. Divekar	Junior Lecturer in Education and Psychology	Basic Education Training Course at Shri R. M. Vidyalaya, District Coimbatore from the 1st November, 1954 to the 31st March, 1955.
2	Shri C. T. Shah	Junior Lecturer in Accounts	Practical Training in Banking at the Bank of Baroda Ltd. from the 1st December, 1954 to the 15th March, 1955 and at the Central Bank of India Ltd. at Ahmedabad from the 19th March, 1955 to the 31st July, 1955.
3	Shri K. K. Thakore	Senior Lecturer in Electrical Engineering	Short course in Power System and Stability at Roorkee from the 3rd January, 1955 to the 12th February, 1955.

	Name	*Designation*	*Training*
4	Shri D. D. Mahulkar	Senior Lecturer in English	Summer Course in Linguistics a Deccan College Post-graduate an Research Institute, Poona fro the 9th May, 1955 to the 18 June, 1955
5	Shri I. A. Dave	Junior Lecturer in Gujarati	Summer Course in Linguistics a Deccan College Post-graduate an Research Institute, Poona fro the 9th May, 1955 to the 18 June, 1955
6	Shri S. K. Damale	Junior Lecturer in Civil Engineering	Practical training at Hindusta Construction Company Ltd. Bom bay from the 7th March, 1955 t the 30th June, 1955
7	Shri P. V. Chandratreya	Demonstrator in Applied Mechanics	Practical training at Hindusta Construction Company Ltd. Bom bay from the 10th March, 1955 t the 30th June, 1955
8	Shri N. M. Patel	Junior Lecturer in Mathematics	Attending special lectures i Ballistics, New Delhi from the 9t May, 1955 to the 23th June, 195

8. Rules revised and added.

(a) Rules revised:

(i) Rules of giving permission for the use of University premis including halls for meetings and other functions were revised during th year. In the revision it was clarified that in cases of association or stu dents' bodies of any institution in the University making use of the pre mises of another institution permission of the Vice-Chancellor was not neces sary and the Head of the latter institution can issue the permission. In the revised rules, provision was made that if entertainment programmes by outside bodies were with ticket, the charge for the use of the halls hould be collected at double the normal rate. A special charge of Rs. 35/- was fixed for the use of stage equipment (*i.e.* heavy drop curtain, foot-lights and spot light (of the Hall of the College of Indian Masic, Dance and Dra matics) over and above the charge of Rs. 5/- per day for the use of the Hall. The rules were incorporated in Ordinance 37A.

(ii) Rules regarding Fee collection and remittance laid down previously were incorporated in Ordinances 175B.

(iii) Scales of salaries of University employees were laid down by Syndicate Resolutions from time to time. They were all collected and incorporated in Ordinance 288A. It was also provided in this Ordinance that appointment should ordinarily be made on the minimum of the scale but the Syndicate was competent to make appointments on higher starting salaries even upto the maximum of the scale in deserving cases.

(iv) Leave rules had no provision for any leave for part-time employees. A set of leave rules for part-time employees of the University was therefore added to the existing leave rules. Under the rules, part-time employees were considered eligible to get 15 days' casual leave in a year and 15 days' leave on half pay on medical certificate for each completed year of duty. They were also considered eligible to enjoy vacation if employed on vacation posts.

(v) Rules regarding refund of tuition fees laid down that fees of a student who joins another institution outside the University should not be refunded. As this rule caused some hardship to students specially to those seeking admissions to Science, Engineering and Medical Colleges, the rules were liberalised. It was laid down that if a student gets his admission cancelled before the opening day, the fees should be refunded after deducting 10% as administrative charges and if admission is got cancelled after the opening day but within 15 days therefrom, 75% of the fees should be refunded. Thereafter no refund be allowed.

(b) New Rules:

(i) The University was publishing a Journal for over one year. There were proposals for several other publications. In order to lay down a definite policy in the matter of publications, the Publication Board framed rules regarding University publications which were approved by the Syndicate. These rules comprise (a) Rules for University Journal and (b) Rules for Research Papers, Books, etc. Rules for Journal provide that there should be two issues in a year, that there should be an advisory board consisting of seven members and that the journal should ordinarily publish original research papers and articles. Rules about publication of research papers, books, etc. provided that more than 500 copies should be printed, that copy right shall rest with the University, that booksellers and publishers will be allowed a discount of 33⅓% on orders of Rs. 100/- or more and such other particulars.

(ii) There were one or two cases in which employees approached the Syndicate for a loan. Rules were, therefore, framed in the matter. Under the rules the loan is permitted for further studies,

study tours and for other urgent items for which loan is not permissible from the employees' provident fund. Conditions of loan, its security and the manner of refund are also laid down in the rules.

(iii) It was noticed that advances taken by some heads of institutions took a long time to be recouped. Rules for payment of advances were therefore framed. The rules specifically lay down the items for which advances are permissible, the procedure of asking for advance and the manner of its recouping.

(iv) Though the University had laid down separate rules for travelling and halting allowances for members of the Senate, Syndicate and other University Committees, the University employees were given these allowances as per B. C. S. Rules. Application of B. C. S. Rules sometimes created difficulties as the conditions in Government service and University service were not exactly the same. Moreover there were several Government Resolutions modifying or clarifying the rules. The Syndicate therefor framed a set of rules regarding travelling and halting allowances to be paid to University employees based on the B. C. S. Rules. In these rules are also included rules for travelling and halting allowance to students of the University Sports Teams, Research Assistants and Research Students. Later on during theyear, these rules were amended in view of the revision of classes ways. This amendment was made on the lines of the Bombay Government Resolution in the matter.

(v) Rules regarding admission to B. E. course in the Faculty of Technology (including Engineering) were framed last year. During the current year, similar rules were framed for admission to the Diploma course and B. Arch. Degree course in the Faculty. 65% of seats in Diploma course are reserved for the students who have passed the S.S.C. examination of the Bombay State and 7% for backward classes of the Bombay State. Admission is based on merit as judged by marks obtained at the S.S.C. Examination modified on certain other considerations as participation in extra curricular activities, aptitude, personality and smartness shown during interview, etc. In B.Arch. course 65% of seats are reserved for students of the Bombay State, 7% for students of backward classes of the Bombay State and remaining seats go to students of other States. Students getting at least 45% marks at the S. S. C. Examination are eligible for admission. Selection for admission is based on the marks obtained at selection tests comprising (i) aptitude test, (ii) drawing test and (iii) an interview.

7. Attendance at meetings.

The following statement shows the attendance of members at the meeting of the Syndicate during the year under report :—

	Name	*No. of meetings held*	*Ciass of meeting*	*Present*	*Absent*
1.	Shrimati Hansa Mehta, Vice-Chancellor	11	O.5 S.6	O.5 S.5	— S.1
2.	Dr. C. S. Patel, Pro-Vice-Chancellor	11	O.5 S.6	O.5 S.6	— —
3.	Shri S. S. Bhandarkar	11	O.5 S.6	— —	O.5 S.6
4.	Dr. Jivraj N. Mehta	11	O.5 S.6	O.5 S.6	— —
5.	Shri C. J. Sutaria	11	O.5 S.6	O.4@ S.5	O.1 S.1
6.	Dr. Jyotindra M. Mehta	11	O.5 S.6	O.5 S.3	— S.3
7.	Dr. R. K. Trivedi	11	O.5 S.6	O.4 S.6	O.1 —
8.	Shri R. V. Desai*	3	O.1 S.2	O.1 S.1	— S.1
9.	Shri J. S. Parikh†	4	O.1 S.3	O.1 S.2	— S.1
10.	Shri B. B. Joshi	11	O.5 S.6	O.5 S.6	— —
11.	Professor T.K.N. Menon	11	O.5 S.6	O.5 S.6	— —
12.	Professor V. Y. Kolhatkar†	4	O.1 S.3	O.1 S.3	— —
13.	Professor D. Subbarao†	4	O.1 S.3	O.1 S.3	— —
14.	Shri N.D. Chokshi	7	O.4 S.3	O.4 S.2	— S.1
15.	Shri P. C. Hathi	7	O.4 S.3	O.3 S.2	O.1 S.1
16.	Professor (Kumari) P. Vakharia	7	O.4 S.3	O.4 S.3	— —
17.	Dr. N. M. Bhatt	7	O.4 S.3	O.4 S.3	— —
18.	Dr. J. D. Pathak	7	O.4 S.3	O.4 S.2	— S.1

@ Was present on the second day of the meeting.

* Died on the 21st September, 1954.

† Term of office was over on the 31st October, 1954.

CHAPTER V—OTHER AUTHORITIES OF THE UNIVERSITY

1. Council of Post-graduate Studies and Research.

The Council of Post-graduate Studies and Research met twice during the year under report, once on the 10th July, 1954 and again on the 25th January, 1955.

Some of the important items considered by it are as under :—

1. The Council recommended for approval the following research schemes :

(i) 'An Enquiry into Rural Incomes and Savings' submitted by Dr. V. Sunder Rajan in the Economics Department of the Faculty of Arts.

(ii) Programme of research to work on a fresh translation of Rgveda, submitted by Dr. S. S. Bhawe in the Sanskrit Department of the Faculty of Arts.

(iii) The scheme for editing the records of correspondence between the Baroda Government and the Baroda Residency submitted by Shri G. B. Pandya in the Department of History, Faculty of Arts.

(iv) The Research Projects : (a) Chronological History of North Indian Music and (b) History of the foremost Gharanas, submitted by the College of Indian Music, Dance and Dramatics.

The Syndicate, which met on the 29th January, 1955, approved the recommendations of the Council.

2. The following post-graduate courses were approved :—

(i) Post-graduate courses in Art Education and Art Criticism.

(ii) Post-graduate courses in Painting, Sculpture and Applied Arts.

(iii) Post-graduate courses in Music, Dance and Dramatics.

3. The Council recommended the following rules regarding the size, get up, etc., of the thesis to be submitted by the candidates for the post-graduate degrees and the Syndicate approved of the same, provided that in special cases if the Heads of Institutions were satisfied that it would not be possible to comply with these requirements they may grant permission for deviation therefrom :

(1) Every candidate for the Master's degree shall submit three copies of thesis for the Master's degree and every candidate for the Ph. D. degree shall submit four copies of the thesis.

(2) The copies shall be bound in accordance with the following specifications :—

Size of the paper : Quarto approx. 10 inches by 8 inches, except for drawings, graphs and maps on which no restriction is placed. A margin of $1\frac{1}{4}$ inches to be left on the left-hand side and bound in a standardised form as follows :—

Art vellum or cloth overcast ; edges uncut ; lettered boldly on the spine in gold ($\frac{1}{4}$ inch to $\frac{1}{2}$ inch letters) : DEGREE, DATE AND NAME and short title written or printed neatly and legibly on the front cover

A thesis which consists of a collection of pamphlets or excerpts or a single pamphlet must be bound in a similar cover.

Candidates are not permitted to type their thesis on both the sides of the paper but there is no objection to a thesis being typed with single spacing.

4. Recommended that the following teachers, whose term of recognition as guides for the Ph. D. students had expired, be recognised for a further period of three years from the 18th August, 1954.

The Syndicate approved the recommendation of the Council.

	Name of the teacher	*Subject for which recognised*	*Date from which they were recognised last for 3 years*
1.	Dr. B. Subbarao	Archaeology and History	18-8-1951
2.	Dr. V. G. Phatak	Botany	18-8-1951
3.	Dr. A. R. Chavan	Botany	18-8-1951
4.	Dr. C. S. Patel	Chemistry	18-8-1951
5.	Professor S. M. Sethna	Chemistry (Organic)	18-8-1951
6.	Professor V. Y. Kolhatkar	Commerce and Economics	18-8-1951
7.	Professor T. K. N. Menon	Education	18-8-1951

	Name of the teacher	Subject for which recognised	Date from which they were recognised last for 3 years
8.	Professor R. V. Parulekar	Education	18-8-1951
9.	Dr. S. N. Mukerji	Education	18-8-1951
10.	Professor B. J. Sandesara	Gujarati	18-8-1951
11.	Shri G. B. Pandya	History	18-8-1951
12.	Dr. V. P. Dandekar	Marathi	18-8-1951
13.	Dr. D. V. Gogate	Physics	18-8-1951
14.	Dr. K. S. Krishnan	Physics	18-8-1951
15.	Shri G. H. Bhatt	Sanskrit	18-8-1951
16.	Dr. S. S. Bhawe	Sanskrit	18-8-1951
17.	Professor M. N. Srinivas	Sociology	18-8-1951
18.	Dr. J. C. George	Zoology	18-8-1951

5. The Council recommended and the Syndicate approved that th following be the approved appointments for M. D., M. S. and the Pos graduate Diplomas in Medicine as required under relevant Ordinances:

Senior Lecturer, Junior Lecturer } Medical College, Baroda

Registrar, Houseman } Hospital

The Council further resolved that the following be the recognise Hospitals for the purpose :

(i) Shri Sayaji General Hospital, Baroda

(ii) Shri Jamnabai Hospital, Baroda

(iii) Padmavati Devi T. B. Sanatorium. Baroda.

6. The Council recommended and the Syndicate approved that th following teachers be recognised as post-graduate teachers for the degre and subjects shown against each :

	Name	Degree	Subject
	Faculty of Arts		
1.	Professor B. J. Sandesara	M.A.	Sanskrit—Jain Philosophy.
2.	Dr. S. S. Bhawe	M.A.	Sanskrit—The first four papers and Vedic Studies (Optional papers V and VI)
3.	Dr. A. N. Jani	M.A.	Sanskrit — Samkhya and Yoga
4.	Dr. (Kumari) S. A. Nachane	M.A.	Sanskrit—Vedanta
5.	Shri V. R. Joshi	M.A.	Sanskrit — Buddhist Philosophy
	Faculty of Science		
6.	Dr. Sadgopal	Ph.D.	Chemistry and Chemical utilization of Plants
7.	Dr. P. S. Rao	Ph.D.	Chemistry
8.	Dr. P. R. Rao	Ph.D.	Chemistry
	Faculty of Commerce		
9.	Shri B. G. Shah	Post-graduate Diploma in Banking	Practice of Banking, Foreign Exchanges
	Faculty of Medicine		
10.	Dr. M. A. Patel	M.S.	Surgery
11.	Dr. A. B. Kothari	M.S.	Surgery
12.	Dr. G. V. Merchant	M.S.	Orthopædics
13.	Dr. T. V. Patel	M.D.	Midwifery and Gynaecology
14.	Dr. (Mrs.) I. T. Patel	M.D.	Midwifery and Gynæcology
15.	Dr. S. D. Ambegaonkar	M.D.	Medicine
16.	Dr. P. M. Luhar	M.D.	Medicine
17.	Dr. C. P. Munshi	M.D.	Medicine
18.	Dr. S. H. Shah	M.D., D.Ped.	Pediatrics, Child Health and Disease
19.	Dr. V. M. Shah	D.O.	Ophthalmology

	Name	Degree	Subject
20.	Shri M. L. Pai	Ph.D.	Bio-chemistry
21.	Dr. J. D. Pathak	M.Sc., Ph.D., M.D.	Physiology
22.	Dr. K. K. Bhatt	M.Sc., Ph.D., M.S.	Anatomy
23.	Dr. G. K. Karandikar	M.Sc., Ph.D., M.D.	Pharmacology
24.	Dr. J. Mordecai	M.Sc., Ph.D., D.C.P.	Pathology
25.	Dr. R. C. Desai	M.S.	Surgery
26.	Dr. B. S. Verma	D. V. & D.	Skin and venereal diseases
27.	Dr. R. A. Parulekar	D.A.	Anæsthesia
28.	Dr. A. M. Gandhi	D.M. R. & E.	Radiology and Electrology
29.	Dr. B. M. Pujari	T.D.D.	Tuberculosis
	Faculty of Fine Arts		
30.	Professor Markand Bhatt	M.A. (Fine)	Applied Arts, Art Education and Art Appreciation
31.	Professor N. S. Bendre	M.A. (Fine)	Painting
32.	Shri N.N. Chaudhary	M.A. (Fine)	Sculpture
33.	Shri B. N. Pancholy	M.A. (Fine)	Applied Arts
34.	Shri L. B. Shastri	M.A. (Fine)	(i) Indian concept of the Beautiful (ii) System of Indian Philosophy (iii) General concept of Indian Iconography
	College of Indian Music, Dance and Dramatics		
35.	Shri R. C. Mehta	M. Mus.	Music
36.	Shri S. O. Shukla	M. Mus.	Music
37.	Shri M. P. Khokar	M. Mus.	Dancing
38.	Shri C. C. Mehta	M. Mus.	Dramatics

	Name	Degree	Subject
	Faculty of Home Science		
39.	Dr. (Miss) F. P. Kittrell	Ph.D. and M.Sc. (Home)	Foods and Nutrition
40.	Shrimati K. G. Karandikar	M.Sc. (Home)	Home Management
41.	Kumari P. S. Chari	M.Sc. (Home)	Home Science
42.	Kumari A. J. Mehta	M.Sc. (Home)	Child Development
43.	Shri U. P. Gore	M.Sc. (Home)	Foods and Nutrition
44.	Shrimati T. H. Bhagat	M.Sc. (Home)	Nutrition

7. The number of students registered for various post-graduate degrees and diplomas of this University during the period under report are as under :—

Ph.D. : 16, M.A. : 44, M.Sc. : 26, M.Com. : 9, M.Ed. : 22, M.D. : 9, M.S. : 6, M.A. (Fine) : 6, M.Mus. : 4, M.Sc. (Home) : 2, M.S.W. : 15, Post-graduate Diploma in Museology : 8, Post-graduate Diploma in Banking : 13.

8. The Council recommended and the Syndicate approved the appointments of referees for examining the following thesis :

(i) Economic Planning in India—submitted by Shri D. J. Bhagat for the Ph.D. degree in Economics

(ii) A Critique of recent development in Monetary Management —submitted by Shri J. H. Adhvaryu for the Ph.D. degree in Economics

(iii) Technique of Correlation in Basic Education – submitted by Shri A. B. Solanki for the M.Ed. degree in Education

(iv) History and Progress of Physical Education in India—submitted by Shri C. R. Desai for the M.Ed. degree in Education

(v) Hydroxycoumarin Derivatives—submitted by Shri N. J. Desai for the M. Sc. degree in Organic Chemistry.

9. The Council considered the fifth and the sixth half-yearly progress reports of the series of Critical Editions of old Gujarati Texts (Prachin Gurjar Granthmala) and recommended that they be recorded.

10. The Council considered the progress reports of the Research students for the year 1953-54 and recommended that they be recorded.

2. Faculties.

As the term of office of the elected members of the various Faculties expired on the 6th October, 1954 new Faculties were constituted on the 7th October, 1954 consisting of the members elected by the respective Boards of Studies and the members assigned to the respective Faculties. During the period under report, all Faculties, except the Faculty of Medicine, met once in the month of January 1955. The Faculty of Medicine met twice *viz.* in October, 1954 and in March, 1955 during the period under report.

The important items that were considered by the various Faculties are as shown under each Faculty.

I *Faculty of Arts :*

The Faculty of Arts met on the 23rd January, 1955, and

(a) recommended that no separate Department of Indology be set up as the courses under Ancient Indian History and Archæology cover almost the same ground as contemplated under the scheme and that the name of the subject Ancient Indian History and Archæology at the M.A. stage be changed to ' Ancient Indian Culture ',

(b) recommended that the present syllabus in Ancient Indian History and Archæology be modified and the Board of Studies in History Archæology and Ancient Indian Culture be requested to redraft the syllabus as directed,

(c) recommended that a Department of Linguistics be opened and the provision for teaching (i) General Linguistics and (ii) Historical Linguistics be made,

(d) approved the courses in Psychology for the M.A. examination

(e) recommended three new Ordinances Nos. 309A, 309B and 309C permitting students to change the courses offered from General to Special and *vice-versa* at the B. A. examination and the subjects offered

II *Faculty of Science* :

The Faculty of Science met on the 23rd January, 1955 and recommended to the Syndicate a new draft of the form of the report of examiners.

III *Faculty of Education and Psychology :*

The Faculty of Education and Psychology met on the 21st January, 1955, and

(a) approved the recommendations of the Board of Studies in Psychology,

(b) recommended the approval of the syllabus of " Methods of teaching Home Science " as modified at the meeting.

IV *Faculty of Commerce :*

The Faculty of Commerce met on the 23rd January, 1955 and

(a) recommended amendment of O. 378 which lays down conditions under which a candidate who has passed his B. A. examination and wishes to appear for the B.Com. examination. The main amendments are :—

(i) the provisions of the Ordinance be restricted to students of the Universities in the State of Bombay only,

(ii) the names of subjects of the F. Y. Commerce in which students are required to pass be as laid down under relevant Ordinances for the examination,

(b) recommended that O. 380 which governs the admission of a student who has passed the B. A. examination of the University and wishes to appear for the B.Com. examination be amended by deleting English from the list of subjects from which he can claim exemption at the B.Com. examination ;

(c) approved the recommendations of the meeting of the Committee appointed by the Faculty of Commerce to consider the question of the basic contents of Commerce studies as outlined by the Conference of Representatives of Commerce Faculties and Departments of Indian Universities, sponsored by the Inter-University Board of India.

V *Faculty of Medicine :*

The Faculty of Medicine met twice during the period under report once on the 16th October, 1954 and again on the 3rd April, 1955.

The Faculty at its meeting held on the 16th October, 1954

(a) passed condolence resolution on the death of Dr. R. G. Dhayagude who was a member of the Board of Studies in Pharmacology and Pathology and the Board of Visitors for the Faculty of Medicine ;

(b) elected Dr. B. B. Yodh and Dr. N. G. Pandalai to the Indian Council of Medical Research in place of Dr. C. Vareed and Dr. G. L. Sharma whose term of office on the Council had expired ;

(c) considered the report made by the Inspectors of the Medical Council of India regarding the inspection of the Medical College, Baroda, and submitted its report to the Syndicate. (The report was considered and forwarded by the Syndicate to the Medical Council of India with slight modifications requesting it to recommend to the Government of India the granting of recognition to the M.B.,B.S. degrees of the University from April, 1954. The Government of India, Ministry of Health, have notified under their No. F. 17-12/53-MI dated the 9th July, 1955 that the name of the M.B.,B.S. degrees of the University granted after the 1st April, 1954 has been entered in the First Schedule to the Indian Medical Council Act, 1953 (XXVII of 1933) ;

(d) approved the draft rules suggested by Government of Bombay in the matter of Recruitment Rules for Professors and Lecturers in the Government Medical Colleges and recommended to the Syndicate that the question of including the F.C.P.S. Diploma by examination of the College of Physicians and Surgeons, Bombay, in the list of qualifications recognised by the Medical Council of India, be taken up with relevant authorities;

(e) approved the draft of the Ordinances relating to the examination for the degree of Master of Science in Pharmacology, Pathology, Bacteriology and Parasitology as modified at the meeting.

The Faculty of Medicine met again on the 3rd April, 1955, and

(a) recommended modification to the Ordinances relating to the examination for the degree of Master of Science in (i) Pharmacology, (ii) Pathology, (iii) Bacteriology and (iv) Parasitology referred back to it by the Syndicate with a directive (a) to consider whether dissertation should be allowed in lieu of one paper and/or practicals, and (b) to re-draft, if necessary, the Ordinance with a view to uniformity as far as possible ;

(b) resolved to convene a seminar of the teachers of the Medical College, Baroda and the members of the Faculty of Medicine to consider the various points raised in the " Recommended standard requirements for a Medical College for 100 admissions annually " as adopted by the Medical Council of India ;

(c) recommended modification of instruction No. 86(a) under (E) Medicine and Surgery—General Instructions ' of the ' Instructions to Paper-setters and Examiners at Examinations-1955 '.

VI *Faculty of Technology (including Engineering) :*

The Faculty of Technology (including Engineering) met on the 22nd January, 1955, and

(a) approved the recommendations of the Board of Studies in Technology (Textile) ;

(b) recommended a draft form for examiners' report prepared by the Dean, Faculty of Technology (including Engineering).

VII *Faculty of Fine Arts :*

The Faculty of Fine Arts met on the 21st January, 1955, and

(a) passed a condolence resolution on the death of Shri R. G. Gyani who was a member of the Faculty of Fine Arts and the Board of Studies in Museology,

(b) approved the recommendations of the Boards of Studies in (i) Painting, Sculpture and Applied Arts, (ii) Music, Dance and Dramatics, (iii) Museology and (iv) Architecture,

(c) approved the recommendation of the Board of Studies in Psychology about the course in Psychology at the M.A. (Fine) examination,

(d) recommended as under :

(i) Only those students whose mother tongue is not Gujarati or Marathi or Hindi be allowed to offer an additional paper in lieu of the compulsory paper in Hindi.

(ii) The time allotted to the practicals in Applied Arts be extended from 36 working hours to 108 working hours.

(e) recommended that Diploma students in Painting, Sculpture and Applied Arts be required to take the oral test only and that option may be given to those who wish to appear in a written examination in theory to take such an examination only and that such students be required to answer the same paper in the subject as is set for degree students.

VIII *Faculty of Home Science :*

The Faculty of Home Science met on the 22nd January, 1955, and approved the recommendations of the Boards of Studies in Home Science and recommended that

(i) the courses in Experimental Psychology and Statistical Methods be introduced during the fourth year as an alternative to Home Science Education—(9);

(ii) a Joint meeting of the Faculties of Home Science and Education and Psychology be convened with a view to prescribing teaching aids for such of the students as intend to do B.Ed and also claim exemptions from Papers I and II prescribed for the B.Ed. examination, and finding out what directives be given to the Board of Studies in Home Science to modify the courses;

(iii) the draft Ordinances for the degree of B.Sc. (Home) be approved.

IX *Faculty of Social Work :*

The Faculty of Social Work met on the 5th October, 1954, and

(a) approved the recommendations of the Board of Studies in Social Work;

(b) recommended that the Ordinances regarding standard of admission, syllabus, standard of passing etc. for the M. S. W. examination be adopted as modified at the meeting;

(c) recommended that instructions regarding evaluation of project reports be incorporated in the 'Instructions to Paper-setters and Examiners at Examinations'.

X *Joint meeting of the Faculties of Arts, Science and Commerce :*

The Faculties of Arts, Science and Commerce met jointly on the 23rd January, 1955, and

(a) generally approved the recommendations of the Boards of Studies in (i) Mathematics, (ii) Statistics and Actuarial Science and (iii) Geology and Geography;

(b) generally approved the scheme of the Preparatory course in the Faculties of Arts, Science and Commerce as drafted by the relevant Committee with the modification that students intending to join the Faculty of Science after doing the Preparatory course be required to offer Physics, Chemistry, Mathematics and Biology and not Mathematics or Biology as recommended;

(c) recommended that necessary steps be taken to lay down the

syllabi in the various subjects of the Preparatory courses, to be introduced from June 1955.

XI *Joint meeting of the Faculties of Arts and Commerce :*

The Faculties of Arts and Commerce met jointly on the 23rd January, 1955, and

(a) approved the recommendations of the Boards of Studies in (i) Economics, and (ii) Politics and Administration;

(b) recommended that the question of allowing Commerce graduates to appear at the B.A. (Special) examination and recasting if necessary, the syllabi in Economics be referred back to the Joint meeting of the Boards of Studies in Economics and Commerce with a directive to re-examine the question in the light of the proposed three years' degree course.

XII *Joint meeting of the Faculties of Science and Medicine :*

The Faculties of Science and Medicine met jointly on the 26th June, 1955 and appointed a committee to consider the question of amending the Ordinances for the M.Sc. examination in Bio-chemistry so as to bring them in line with the Ordinances for the M.Sc. examination in other medical subjects.

3. Boards of Studies.

As the term of office of the members of the various Boards of Studies under the different Faculties expired on the 31st August, 1954 elections to form the Boards of Studies anew were held. The members of the newly formed Boards assumed office on the 1st September, 1954. Except the Boards of Studies in (1) Pharmacology and Pathology, (2) Architecture, (3) Music, Dance and Dramatics, (4) Home Science, and (5) Mathematics, which met twice, all Boards met once during the year and transacted routine items like considering the reports of examiners, preparing panels of examiners, recommending books etc.

Geography was introduced from June, 1953 as one of the optional subjects at the B. A. (General) examination. All the Boards of Studies under the Faculty of Arts were requested to consider the suitability of Geography as one of the allied subjects at the B.A. (Special) examination under O. 314.

The following Boards of Studies recommended that candidates be not allowed to offer Geography as an allied subject under O. 314 :

1. Sanskrit, Pali and Ardha-magadhi Languages and Literature,
2. Persian, Urdu and other Asian Languages and Literature,
3. Hindi Language and Literature,
4. Gujarati Language and Literature,
5. English Language and Literature,
6. Modern and Ancient European Languages and Literature,
7. Philosophy,
8. Economics.

The following Boards of Studies recommended that candidates b allowed to offer Geography as an allied subject under O. 314 :

1. Marathi Language and Literature,
2. History, Archaeology and Ancient Indian Culture,
3. Sociology.

Important recommendations considered by the Boards are a follows :

(1) The Board of Studies in Sanskrit, Pali and Ardha-magadl Languages and Literature met on the 13th September, 1954 and recon mended that,

(a) Hindi, Gujarati, Marathi, Pali, Prakrit (Ardha-magadhi English and French be allowed to be offered as allied languag subordinate to Sanskrit at the M.A. examination ;

(b) the subject for an essay on Suddhadvaita Vedanta for th award of Sheth Todarmal Chimanlal Shamal Bechar Vallab Vedanta Prize be " Vallabhacharya as an Interpreter of th Brahmasutras" and that the essays from eligible scholars shou be invited through a public announcement in newspapers.

(2) The Board of Studies in Persian, Urdu and other Asi Languages and Literature met on the 26th September, 1954, and

(a) recommended that Gujarati, Marathi, Hindi, Urdu, Sanskri Pali and English be allowed to be offered as allied languag subordinate to Persian (Principal) at the M.A. examination

(b) laid down the details for Paper IV (a) Linguistics (Genera at the M.A. examination ;

(3) The Board of Studies in Hindi Language and Literature m on the 29th September, 1954, and

(a) laid down the details for Paper IV (a)—Linguistics (Genera at the M.A. examination,

(b) recommended that B.A. (Special) courses in Hindi be introduced from the academic year 1955-56. (The Faculty of Arts approved of the above recommendation but the Syndicate resolved that the question be postponed for a period of one year).

(4) The Board of Studies in Gujarati Language and Literature met on the 22nd September, 1954 and recommended that candidates be allowed to offer English as an allied subject to Gujarati (Principal) at the B.A. examination of 1957 and onwards.

(5) The Board of Studies in Marathi Language and Literature met on the 25th September, 1954 and recommended that Sanskrit, Pali, Gujarati, Hindi and English be allowed to be offered as allied languages subordinate to Marathi (Principal) at the M.A. examination.

(6) The Board of Studies in English Language and Literature met on the 15th September, 1954 and recommended that each of the languages taught at the M.A. be allowed to be offered as allied languages subordinate to English (Principal) at the M.A. examination.

(7) The Board of Studies in Modern and Ancient European Languages and Literature met on the 1st October, 1954 and recommended that the Junior and the Senior Diplomas in French which have already been accepted in principle by the Syndicate may be implemented at an early date. (The Faculty of Arts on the 23rd January, 1955 approved the recommendation but the Syndicate resolved that the matter be deferred for the present).

(8) The Board of Studies in Sociology met on the 4th September, 1954, and

(a) revised the syllabi in Sociology for the B.A. and the M.A. examinations, and

(b) recommended that the following subjects be considered as allied to Sociology at the B.A. examination :
(1) History, (2) Philosophy, (3) Politics, (4) Economics and (5) Geography

(9) The Board of Studies in History, Archæology and Ancient Indian Culture met on the 20th September, 1954, and

(a) clarified the scope of some of the papers in History,

(b) prescribed four monuments *viz.*, Abu, Sanchi, Ajanta and Modhera for Paper VIII of the Ancient Indian History and Archæology and prescribed the following periods of the History :

Revolutionary and Napoleonic Europe (1789-1815)
History of Islam upto the end of the Umayyad Dynasty (570 to 750)
Moghal India ' I ' (1526-1627)
Moghal India ' II ' (1627-1739)
History of Gujarat under the Sultans (1297-1573)
History of the United States of America (1763-1941)
Portuguese and Dutch Settlements in India

for the M.A. examination of 1956.

(10) The Board of Studies in Philosophy met on the 21st September, 1954 and prescribed :—

(i) ' H. Bergson—Creative Evolutions ' as Contemporary Philosophical Classic for the B.A. (Special) examination of 1957

(ii) ' Bernard Bosanquet—Logic or the Morphology of Knowledge ' as a Modern Classic on Logic for the M.A. examination of 1958, and

(iii) ' Shankaracharya ' as a Special Indian Philosopher for the M.A. examination of 1958 and ' Vallabhacharya ' for the M.A. examinations of 1959 and 1960.

(11) The Board of Studies in Zoology met on the 19th September 1954 and approved the draft syllabus for the subject of ' Entomology ' proposed to be introduced at the M.Sc. as one of the optional subjects under Paper IV in addition to Animal Physiology (approved by the Faculty of Science on the 23rd January 1955 and by the Syndicate on the 19th February, 1955.)

(12) The Board of Studies in Education met on the 27th September, 1954, and

(a) recommended that the teaching experience obtained by (1) Shri D. A. Patel in Karimjee Senior School, Tanga, a school recognised by the educational authorities of Tanga, British East Africa and (2) Shri V. P. Kotecha in Indian Public School, Mwanza, a school recognised by the educational authorities of Mwanza, British East Africa be considered sufficien

as satisfying the requirement required under relevant Ordinances for purposes of their admission to Part II of the B.Ed. and T.D. examinations respectively ;

(b) considered the recommendation of the Board of Studies in Home Science regarding the recognition of the courses in Home Science Education for training of teachers in Home Science and appointed a committee consisting of the Dean of the Faculty of Education and Psychology and the Dean of the Faculty of Home Science to work out the details ;

(c) recommended that the dissertation submitted for the M. Ed. examination should be assessed separately by at least two examiners appointed for the examination by the Syndicate and the mean of the marks assigned by both be taken as marks attained by the candidate submitting the dissertation. In case of wide variation in assessment of both the examiners, the Convener of the Board of examinations should be authorised to settle the marks of the candidate. The examiners concerned should submit separate reports in the prescribed form ;

(d) appointed a Committee to revise the T.D. course.

(e) recommended that those candidates who have B.A. degree of this University with Education as an optional subject may be exempted, while doing the B.Ed., from offering the first two papers of the B.Ed. examination which they have already taken at the B.A. examination.

(13) The Board of Studies in Psychology met on the 26th September, 1954, and

(a) recommended that candidates who have offered the course in ' Social Psychology ' at the B.A. examination, be not allowed to offer the same branch of Psychology at the M.A. examination, but be required to select another branch of Psychology from the list of optionals allowed. The courses for the branch of Psychology so selected will be the same as those prescribed for the B.A. examination.

(b) recommended the syllabi for Abnormal Psychology and Social Psychology for the B.A. examination, Experimental Social Psychology for the M.A. and Psychology at the M.A. (Fine) examinations.

(14) The Board of Studies in Anatomy and Physiology met on the 21st October, 1954, and

(a) suggested necessary amendments to O. 521 relating to the M.Sc. examinations in Anatomy and Physiology ;

(b) recommended that an Ordinance regarding the submission of the dissertation for the M.Sc. examination be added ;

(15) The Board of Studies in Pharmacology and Pathology met on the 9th September, 1954 and appointed a committee to prepare the draft syllabus for the M.Sc. examination in Pharmacology and Pathology.

The Board at its emergent meeting held on the 16th October, 1954 passed a condolence resolution on the death of Dr. R. G. Dhayagude, a member of the Board.

(16) The Board of Studies in Technology (Textile) met on the 3rd October, 1954, and

(a) recommended the Ordinances regarding the syllabi for the 3rd and the 4th year of B. Text. (Eng.) degree course.

(b) recommended admission of students passing the B.E. (Mech.) or B.E. (Elect.) examination to the 3rd year course in Textile Engineering ;

(c) considered the question of changing the present 3 years' courses in Textile Chemistry into 4 years' courses and appointed a committee to make suitable recommendations in the matter.

(17) The Board of studies in Engineering met on the 4th October, 1954, and

(a) considered the introduction of a course in General Philosophy as suggested by the Ministry of Education, Government of India and recommended that the same be introduced in the Faculty of Technology (including Engineering) and the attendance of the students for these lectures be made compulsory ;

(b) recommended rearrangement of the syllabus of Mathematics for F.E. and S.E. classes ;

(c) recommended that Ordinances incorporating the syllabi, standard of passing etc. without any modification for the Diploma courses in Civil, Mechanical and Electrical Engineering as prescribed by the Department of Technical Education, Bombay State, should be drafted ;

(d) recommended to try for two years the scheme of admitting students passing the Diploma examinations in Civil, Mechanical or Electrical Engineering held by this University in the courses referred to above in first class to the respective branches of the Second year of the Engineering Degree courses under certain conditions ;

(e) recommended that the University should hold the examinations of the first two years of the Diploma courses also ;

(18) The Board of Studies in Painting, Sculpture and Applied Arts met on the 25th September, 1954, and

(a) accepted the suggestion of the Principal, College of Indian Music, Dance and Dramatics that those students who had not studied either Gujarati or Hindi in the Secondary Schools may be allowed to offer an additional paper in English ;

(b) considered the proposal of extending the Preparatory course to two years instead of one year as at present and resolved that the proposal be accepted and be given a trial for one year as an experimental measure ;

(c) considered the proposal of introducing a Diploma course in Artistic Handicrafts and resolved to recommend that the said course, as proposed, be introduced. It further resolved that a Committee be appointed to draw up the syllabi ;

(d) recommended the introduction of courses in Psychology at the M.A. (Fine).

(19) The Board of Studies in Music, Dance and Dramatics met on the 26th September, 1954, and

(a) recommended that the courses for the degree classes, as modified and revised, be introduced from July 1955.

(b) recommended the introduction of voluntary "Second Study Courses" in place of the present compulsory "Subsidiary Courses" in the degree course from July 1955 ; that the students be allowed to choose on the advice and approval of the Head of the department or the Principal either Music, Dance or Dramatics as "Second Study" and that the "Second Study Courses" be parallel to the Diploma courses with three years' duration ;

(c) considered the proposal of the Secretary, Gandharva Mahavidyalaya regarding recognition of degrees and diplomas of that institution on the basis of reciprocity and recommended to the Syndicate that the Board was not in favour of recognising the degrees and diplomas of that institution as it is not affiliated to any Statutory University ;

(d) recommended the introduction of 'Dramatics' as one of the optional subjects for the B.A. Degree course and appointed a Committee to frame the course.

(20) The Board of Studies in Museology met on the 26th September, 1954, and

(a) recommended that the time for the practical examinations be extended from 3 to 6 hours ;

(b) recommended that a student whose thesis has been accepted but who has either not appeared or has failed in the examination be not required to submit another thesis in the subsequent Museology examinations provided he passes the examination not later than five years after registration. Thereafter he be admitted neither to the Diploma course nor to the examination for the Post-graduate Diploma in Museology ;

(21) The Board of Studies in Home Science met on the 15th September, 1954, and

(a) recommended to the Board of Studies in Education that the Home Science graduates passing with 'Home Science Education' be granted certain exemptions from the B.Ed. course ;

(b) recommended that a course in 'Art Application' be included in the curriculum of 'Home Management' ;

(c) considered the draft syllabus for the "Methods of teaching in Home Science" and resolved to forward it to the Faculty of Education and Psychology.

(22) The Board of Studies in Social Work met on the 4th October, 1954, and

(a) prepared the new courses for the Master of Social Work course for the year 1955-56 ;

(b) modified the evaluation and grade system used for testing the students' knowledge in class-room, field work, research project and *viva-voce* University examination.

(23) The Board of Studies in Mathematics met twice during the period under report *viz.* on the 12th September, 1954 and on the 9th November, 1954. The Board at its meeting held on 12th September, 1954

(a) prescribed the allied subjects to Mathematics at the B.A. (Special) examination, and

(b) considered the question of drafting the syllabi for two papers in Mathematics carrying 100 marks each that can be offered as an allied subject to Statistics (6 papers) at the B.A. (Special) examination, and recommended that students wishing to offer Mathematics as an allied subject with Statistics be required to take the four papers in Mathematics at the B.Sc. (Subsidiary) examination and marks be assigned out of 200 only. (This recommendation was not accepted by the Joint meeting of the Faculties of Arts, Science and Commerce which met on the 23rd January, 1955. It was referred back to the Board with a directive to draft the syllabi for two papers in Mathematics carrying 100 marks each.)

At its meeting held on the 9th November, 1954 the Board recommended revised syllabus for the First Year Science examination. (The recommendation was not approved by thee Joint meeting of th Faculties of Arts, Science and Commerce and the matter was referred back to the Board for reconsideration).

(24) The Board of Studies in Statistics and Actuarial Science met on the 19th September, 1954 and appointed a committee to prepare syllabi for Group VII—Actuarial Science (two papers of 100 marks each) at the M.Com. examination.

(25) The Board of Studies in Geology and Geography met on the 4th December, 1954 and

(a) recommended that Sociology, History, Economics, Politics, Education and Anthropology be allowed to be offered as subjects allied to Geography at the B. A. (Special) examination ;

(b) recommended that Geography be taught as a Subsidiary as well as a Principal subject at the B. Sc. examination. (The Syndicate at their meeting held on the 19th February, 1955, generally accepted the above recommendations of the Board but postponed the implementation of the recommendations for a period of one year) ;

(c) appointed committees for drafting courses in Geology and Geography at various examinations including B.A. and B.Sc.

(26) The Board of Studies in Economics met on the 20t September, 1954, and recommended that it is desirable to have a pap on the 'History of Economic Thought' at the M.A. stage and the questio of including Ancient Indian Economics as a topic in that paper may b considered at the time of framing the syllabus for the paper.

(27) The Board of Studies in Politics and Administration met o the 24th September, 1954, and

(a) prescribed Sociology, History, Philosophy and Economics a allied subjects to Politics at the B.A. (Special) examinatio in modification of its previous recommendation of prescribi two papers, one in History and the other in Economics in lie of two papers in an allied subject at the B.A. (Specia examination;

(b) recommended that (i) two classics for Paper V *viz.* (1 'Plato: The Republic' and (2) 'J. S. Mill: Liberty'; (ii the special subject in the Political Thought for Paper VI v 'Socialistic Theories and (iii) one special subject in Politic Organisation for Paper VIII *viz.* 'Federation,' be prescribe for the M.A. examinations of 1956, 1957 and 1958.

(28) A Joint meeting of the Board of Studies in Painting, Sculp ture and Applied Arts and the Board of Studies in Psychology was held o the 26th September, 1954. It appointed a committee to prepare Pos graduate courses in Art Education and Art Criticism.

(29) A Joint meeting of the Boards of Studies in Economics an Commerce held on the 20th September, 1954 considered the question allowing the Commerce graduates to appear at the B.A. (Special) exa ina-tion and proposed the following draft Ordinance:

"A candidate who has passed the B. Com. examination of th University will be permitted to take the B.A. (General) examinatio provided (i) he keeps two terms at the Faculty of Arts and (ii) offe any two subjects, each consisting of two papers, excluding Economi from the list of optional subjects under O.310.

Provided however that in case he had offered Statistics as his speci subject at the B.Com. examination, he will not be permitted to off Statistical Methods as one of the two subjects he is required to offer unde (ii) above."

(The Joint Faculties of Arts and Commerce have however referre back the question with a directive to re-examine the question in the lig of the proposed three year degree course).

CHAPTER VI—OTHER BOARDS AND COMMITTEES

General.

Besides the authorities mentioned in the foregoing Chapters, there are several Boards and Committees to help and advise the Syndicate in academic and administrative matters. The names of the members of these bodies are given on pages 53 to 77 of the Handbook Part I, 1955.

The work done by some of these bodies during the year under report is mentioned below.

1. Trustees of the M. S. University of Baroda Employees' Provident Fund.

No meeting of the Trustees was held during the year under report. However 11 resolutions recommending investment of the monthly contributions received from the employees were passed by them by circulation and submitted to the Syndicate.

2. University Board of Sports.

Four meetings of the Board were held during the year under report. On the recommendations of the Sub-Committees appointed by the Board, the Board decided to send Cricket, Tennis, Badminton and Hockey teams to participate in the Inter-University Tournaments. The Board was fortunate in getting the help of Capt. V. S. Hazare to guide and help the University cricket team. The Board also prescribed the maximum number of students who could be recommended for exemption from A. C. C. parades on account of their regular participation in the major games and boating. The Chairman was also authorised by the Board to exempt students on the ground of being employed in part-time service on the recommendation of the Heads of Institutions. The Board also considered the budget for the year 1955-56 and submitted the same to the Syndicate. A Sub-Committee was appointed to go into the matter of revising the design of the University Sports crest. It was also decided to extend an invitation to the Inter-University Sports Board to hold its next annual meeting at Baroda.

3. Publication Board.

The Publication Board met once during the year on the 17th August, 1954 and considered 12 items. The following were the important recommendations made by the Board:

(1) Recommended the publication of the following theses: (a) Approach to Reality by Dr. A. G. Javadekar, (b) Keva advaita in Gujarati Poetry by Dr. Y. J. Tripathi and (c) Critical Study of Shri Harsa's Naisadhiya Caritam.

(2) Approved the programme of publishing new works and repri of old works in the Gaekwad Oriental Series.

(3) Sanctioned a grant of Rs. 800/- for the publication of researc monographs by the Faculty of Education and Psychology.

(4) Sanctioned a grant of Rs. 400/- for publishing two pamphle on Parent Teacher Co-operation in the different countries o the World and a popular theme in Psychology helpful to teach ers and parents, by the Faculty of Education and Psychology

(5) Recommended Rules regarding University Publications.

(6) Sanctioned the grants of Rs. 400/- and Rs. 1,500/- for publishin two pamphlets on Child Development in Gujarati and a boo on Home Science Education in India respectively to the Facult of Home Science.

4. Library Committee.

The Committee met once during the year on the 8th July, 1955. Th total grant of Rs. 20,000/- sanctioned in the budget was allocated among the different departments. Vendors for the supply of books during th year 1954-55 to the University Library and the Libraries of the Institution were also recommended.

5. University Building Committee and the Building Planning Committe

A joint meeting of the above-mentioned Committees was held o the 3rd April, 1955. The following were the important recommendation made by the Joint meeting:

(a) A separate building for the Faculty of Commerce be built o the open plot to the east of the Baroda College building an the space occupied by it at present be utilised for the Faculty of Arts.

(b) Accommodation for the contemplated expansion of the depart ment of Psychology be provided.

(c) A building for the Rural Work Training Centre at Samial village to accommodate 60 trainees be planned and taken up Two staff quarters and four quarters for Class IV staff a Samiala be also taken on hand.

(d) A floor over the Physics Lecture Theatre and the Chemistry Lecture Theatre in the Faculty of Science be built.

(e) Recommended some of the requisitions received from the Deans of Faculties and Heads of Institutions regarding additions and alterations and repairs to the buildings of their respective Institutions.

6. Students' Advisory Bureau for Studies in India and Abroad.

The office of the Bureau continued to function as usual in the University Office. Calendars, Prospectuses, Handbooks, etc. were received and supplied to the students for reference in the office. About 176 books were received during the year by the Bureau from various countries. The total number of books now at the Bureau is 1,748. About 200 students called at the office for inquiries. One of the students—Shri K. T. Desai—secured admission through the help of the Bureau in the First year Engineering in Ohio University, U.S.A. as a sophomore. Ways and means to make the Bureau more useful were suggested at the meeting of the Bureau held on the 6th November, 1955.

7. Standing Committee on the Equivalence of Examinations.

The Standing Committee on the Equivalence of Examinations met twice during the year under report once on the 10th July, 1954 and again on the 25th January, 1955.

The following were the important recommendations made by the Committee. It

(a) recommended the recognition of the examinations of the following Universities/Examining bodies as equivalent to the corresponding examinations of this University on the basis of reciprocity:

S. No.	*Name of the University or Examining Body*	*Examinations recognised*
1.	Karnatak	F.Y. Arts, Intermediate Arts, B.A., M.A., F.Y. Science, Intermediate Science, B.Sc. (Subsidiary), B.Sc. (Principal), M.Sc. (by papers), B.T., M.Ed., T.D., F.Y. Commerce, Intermediate Commerce, B.Com., First M.B.B.S., Second M.B.B.S., Third M.B.B.S., First Year Engineering, Second Year Engineering (Civil), B.E.

S. No.	Name of the University or Examining Body	Examinations recognised
		(Civil) (All recognised upto June 1956). Provided students who have passed the F.Y. examinations conducted by colleges affiliated to the Karnatak University be considered eligible for admission to the Intermediate classes of this University on condition that they have passed the S. S. C. Examination in several subjects as laid down in O. 157A, for admission to the respective F.Y. courses of this University.
2.	Poona	All examinations of the Poona University on permanent reciprocity basis subject to the following conditions : (1) Students availing themselves of this recognition have not passed the particular examinations of the Poona University on the strength of which they seek admission to this University after taking advantage of the revised rules allowing them to keep terms for higher courses. (2) Students seeking admission to this University on the strength of their having passed the F.Y. examinations conducted by the colleges affiliated to the Poona University satisfy the requirements laid down in O. 157A for admission to the F.Y. courses in Arts, Science and Commerce of this University.
3.	Board of High School and Intermediate Education, U. P., Allahabad	High School (with technical subjects) = S.S.C (with technical subjects) for purposes of admission to the Diploma courses of the Faculty of Technology (including Engineering) and for purposes of admission to the F. Y. Science class of the Faculty of Science.
4.	United Kingdom	General Certificate of Education (Ordinary) = Matriculation. General Certificate of Education (Advanced) = F.Y. examinations of this

S. No.	Name of the University or Examining Body	Examinations recognised
		University for purposes of admission to Second Year courses.
5.	Lady Irwin College, New Delhi	Students after passing the Teachers' Training Diploma examination in Home Science of the Lady Irwin College, New Delhi, are eligible for admission to the III year class of the Faculty of Home Science.
6.	British Civil Services Commission Forces	Preliminary Examination = S.S.C. Examination for purposes of admission to the F.Y. courses.
7.	Andhra	B.E.
8.	London	Post-graduate Certificate in Education = B.Ed., Academic Diploma in Education = M.Ed. for purposes of admission to higher course.
9.	Saugar	M.A., Ph.D., B.Com., M.Com., Dip.T., M.Ed., M.Sc., Ph.D., Ist year Engineering, IInd year Engineering, M.A. (Psychology).
10.	All India Council for Technical Education, New Delhi-2	National Diploma in Commerce and Business Administration = Inter-Commerce for the purpose of admission to post-intermediate course of studies in Commerce in this University.
11.	Madras	B.Sc. degree examination in Home Science (Passed with Nutrition) = B.Sc. (Home) examination of this University for purposes of admission to the M.Sc. course in Foods and Nutrition only of the Faculty of Home Science. The students who have passed B.Sc. (Home Science) of the Madras University and desire admission to the M.Sc. Course in Home Science Faculty in a specialisation other than Foods & Nutrition, be considered eligible for admission to the M.Sc. Course after they work in the Home Science Faculty for one year in the desired specialisation to the satisfaction of the Dean.

(b) recommended that the students of the Sanskrit Mahavidyalay who have passed the 'Shastri' examination of the Sanskrit Maha vidyalaya be considered eligible for admission to the B.A. class of th Faculty of Arts provided they —

(i) have passed the S.S.C. examination as required under O. 157A and

(ii) have passed the Inter Arts examination of this University i the following subjects :—(1) English and (2) three subject excluding Sanskrit optional subjects prescribed for th examination

and that they be allowed to offer 'Sanskrit' only as their principal subjec while reading for the B. A. degree examination.

(c) recommended that the Under Secretary to the Government o Bombay, Education Department be informed that the University is of th opinion that proper steps be taken to discourage private classes for pre paring the students for the Punjab Matriculation examination. The Com mittee further resolved that the matter be referred to the Joint Board o Vice-Chancellors of the Statutory Universities in the State of Bombay.

(d) recommended that the terms kept by students in the Gujara University while reading in the M.A. class be recognised for purposes o admission to the M.A. examination of this University. (While considerin the above recommendation of the Committee the Syndicate at thei meeting held on 19th February, 1955 resolved that the recommendatio mentioned above be approved provided the Gujarat University recipro cates in the matter.)

(e) recommended as under on the applications received from th following applicants for admission to the various courses :

S. No.	*Name of the applicant*	*Qualifications*	*Courses to which considered eligibl for admission*
1.	Smt. Pramodini R. Palekar	B.A. (S.N.D.T. Women's University)	Be considered eligible for admis sion to the Certificate Course i the Faculty of Social Work.
2.	Shri Mohan P. Bhaiya	Inter-Commerce (Rajputana University)	Be considered eligible for admis sion to the B.Com. class of th Faculty of Commerce as a speci case.

S. No.	*Name of the applicant*	*Qualifications*	*Courses to which considered eligible for admission*
3.	Smt. P. Laxmikutti Amma	Done courses for the Inter Science (Travancore University)	Be considered eligible for admission to the F.Y. class of the Faculty of Home Science as she has failed to pass the Intermediate Science examination of the Travancore University.
4.	Smt. Christianede Alwis	School Certificate Examination (Ceylon)	Be considered eligible for admission to the 1st year class of the Faculty of Home Science provided she is eligible for admission to the Ceylon University.
5.	Smt. Alam Shah	Inter-Commerce (Board of Secondary Education, Madhya Bharat)	Be considered eligible for admission to the Intermediate Commerce class.
6.	Smt. Virginia Lora Martin	High School Regents Examination (Webster Central University)	Be considered eligible for admission to the First year class of the Degree Course of the College of Indian Music, Dance and Dramatics.

(f) did not recommended the following examinations of different Examining bodies for recognition as equivalent to the corresponding examinations of this University on basis of reciprocity :

Name of the University	*Name of the Examinations*
Andhra	I.Com. (unconditionally)
Board of Higher School & Intermediate Education, U. P., Allahabad.	Intermediate Technical Examination.

8. Boards of Visitors.

The Boards of Visitors for the following Institutions met once during the year under report and submitted their reports to the Syndicate. Some of the important recommendations made by the respective Boards are enumerated below :

(i) *For the Faculty of Arts :* The Board met on the 21st Decem ber, 1954 and recommended that (a) smaller groups of students should b made for tutorials wherever possible, (b) University Fellowships shou be tenable for two years instead of one year, (c) Post-graduate instru tion should be given by teachers of higher qualifications, (d) fou scholarships be provided in B.A. class, (e) The Faculty Library should b kept open for longer hours, (f) Hindi be introduced as a Principal sub ject in B.A. from June 1955, (g) Courses in Politics be started in M.A from June 1955, (h) Special book-grant be given for Linguistics, (i) th following posts be instituted: (1) Professor of Philosophy, (2) Profess of English, (3) Professor of History (Indian History), (4) Reader i Politics, (5) Junior Lecturer in Archæology, (6) Junior Lecturer i Sociology, (7) Junior Lecturer in Hindi.

(ii) *For the Faculty of Science :* The Board met on the 28th Januar 1955 and recommended that (a) the amount of scholarship for post-gradua scholars be increased from Rs. 30/- to Rs 40/- in order to attract go students for further studies in the Faculty, (b) Entomology be added an additional optional subject at the M.Sc., (c) the contingency gran for the Faculty be provided on the basis adopted by Government Colleg

(iii) *For the Faculty of Education and Psychology :* The Board m on the 21st March, 1955 and recommended that (a) the number admissions to B.Ed. class be increased from 75 to 100, (b) more practic work be assigned to the students. (c) a scheme be devised for the selectio of students at the time of admission. (d) steps be taken to enrol mo women teachers for training. (e) the University Experimental School converted into a Multi-purpose School by amalgamating the Technic School of the Faculty of Technology (including Engineering) and making provision for the teaching of the courses in Fine Arts. (f) th already instituted post of a Professor in Educational Administration filled up from the 1st July, 1955, (g) the Government of Bombay be i formed that the steps are being taken to fill up the two posts of Reade in Psychology already instituted by the Senate.

(iv) *For the Faculty of Commerce :* The Board met on the 21 February, 1955 and recommended that instead of 20% marks reserved f class and tutorial work, a greater percentage be reserved.

(v) *For the Faculty of Technology (including Engineering):* Th Board met on the 10th March, 1955 and recommended that one post

a Laboratory Operator and one post of a Wireman in the Electrical Engineering department be created.

(vi) *For the Faculty of Fine Arts :* The Board met on the 28th January, 1955 and recommended that (i) the Litho Press and Printing Press be financially under the University Press and the cost of the equipment be charged to the University Press, but they should be kept and worked in the Faculty, and (ii) the posts of a full-time Studio Assistant, a Workshop Instructor in Pottery and Ceramics and an Accounts Clerk be created.

(vii) *For the Faculty of Social Work :* The Board met on the 20th December, 1954. On the suggestion of Shri L. M. Shrikant, a member of the Board, it recommended that a comprehensive scheme of specialised training for workers in the tribal areas be drawn up by the Faculty. The Board also noted that the negotiations with the Community Projects' Administration about the possibility of starting a Social Education Training Centre in the rural areas round about Baroda were in the final stage.

(viii) *For the Oriental Institute :* The Board met on the 14th March, 1955 and recommended the creation of a post of a Superintendent, Critical Apparatus Section on Rs. 200/- p.m. net plus the usual allowances and 8 part-time posts for the Critical Apparatus Section on Rs. 50/- p.m. net each on a temporary basis in the Ramayana Department of the Institute.

(ix) *For the College of Indian Music, Dance and Dramatics :* The Board met on the 31st January, 1955 and recommended (a) the study of the Voice culture be emphasized, (b) a sound proof room be provided for recording, (c) Government of India be approached for a loan for constructing a theatre to accommodate 1,000 persons, (d) Rs. 10,000/- be sanctioned for the equipment, (e) Rs, 5,000/- be sanctioned for the establishment of Musicological Laboratory for teaching and research in Museology, (f) the posts of a Junior Lecturer in Dramatics and a Tutor in Violin be sanctioned.

(x) *For the Intermediate College :* The Board met on the 21st December, 1954 and recommended that (a) the Library grant be increased and more spcaious accommodation be made available for the Library and (b) the number of students in each tutorial period be small so that more individual attention may be paid to the students.

9. Board of Extra Mural Studies.

The Board met once during the year under report on the 10th September, 1954. A programme of extra mural activities as outlined by the

respective Faculties for excursions, tours, visits, exhibition of educationa films, exhibitions, celebrations etc. was approved by the Board. A amount of Rs. 1,000/- provided in the budget for extra mural activitie was distributed amongst the Faculties of Arts, Science, Education an Psychology, Medicine and Home Science for some of their extra mur activities. The Board also appointed a sub-committee to clarify the scop of items included in the functions of the Board.

10. Finance and Establishment Standing Committee.

The Committee held eleven meetings during the year under repo and considered 196 items. The recommendations of the Committee wer placed on the same day or the next day before the Syndicate. They wer mainly concerning the additional establishments, sanction of grants, pu chase of equipments, approval of the plans, estimates and tenders for co struction works, repairs, etc., contracts for supply of sundry article apparatus, instruments and laboratory requirements.

The Committee also met as a Budget Committee once during th year under report on the 4th April, 1955. It submitted to the Syndicat revised budget estimates for the year 1954-55 and the estimates for th year 1955-56 after scrutinising the various proposals received from th Faculties, Institutions and Offices of the University and after discussin the same with the Dean or the Head concerned.

11. Investment Committee.

The Committee met nine times during the year under report an submitted its recommendations concerning the investment of the Unive sity funds on the same day to the Syndicate.

12. Selection Committees.

During the year under report 24 meetings of the Selection Committe for Junior posts were held. They selected 28 candidates for the variou posts. Nine meetings of the Selection Committees appointed under sectio 48 (2) of the Act were also held during the year under report. The selected nine candidates for the posts of Readers and/or Professors.

13. Shri Sayaji Sahityamala Publications Committee.

No meeting of the Committee was held during the year under r port, but recommendations regarding referring MSS of કૃષ્ણપરીની કથાપદ by Shri K. M. Vyas and સ્વરચક્ર by Shri B. G. Vaidya to experts f opinion and approving the MS શાકભાજીની વાડી by Shri M. S. Pandya f publication in Shri Sayaji Gramvikasmala as recommended by the expe were made to the Syndicate.

14. Textile Technology Advisory Committee.

The Committee met once during the year under report on the 3rd April, 1955. The recommendations made at the meeting of the Sub-Committee held on the 3rd March, 1955 regarding (i) purchase of equipment from the amount provided as Textile Technology Capital equipment grant in the budget of the University and from the grant sanctioned by the University Grants Commission and (ii) creation of additional posts mainly of Technicians in the Textile Engineering and Textile Chemistry departments, were approved with minor modifications.

15. Press Supervisory Committee.

The Committee held nine meetings during the year under report. The Committee considered the various items concerning creation of additional posts in the Press, purchase of stationery, paper for printing, types, sanctioning ex-gratia payment to the workers and submitted its recommendations to the Syndicate.

16. Wardens' Committee.

The Committee met twice during the year under report on the 11th January, 1955 and again on the 11th April, 1955. Accommodation in halls of residence was allocated amongst the students of the different Faculties. It also considered a complete scheme for centralisation of the collection of hostel fees and refund of hostel deposits and directed the Convener to place it before the University.

17. Sanskrit Mahavidyalaya Committee.

The Committee met twice during the year under report on the 7th September, 1954 and again on the 15th January, 1955. The drafts of the degree certificates of the Shastri and Acharya examinations, as submitted by the Principal, Sanskrit Mahavidyalaya were recommended for approval. It also recommended that candidates holding Shastri degree be allowed admission in B.A. class provided they have passed the S.S.C. examination in the seven subjects on the lines of Gujarat University as a special case.

18. Sheth U. P. Ayurvedic Research Unit Committee.

The Committee met once during the year under report on the 3rd April, 1955 and considered the report of the meeting of its Research Sub-Committee held earlier on the same day. It recommended that (i) investigation of Prakriti in some more cases be carried on with the help of the members of the staff of the Medical College and the S.S.G. Hospital and the 3rd and the 4th year students of the Medical College, (ii) new posts of two full-time Research Assistants—one in Pharmacology and the other

in Chemistry—and one part-time Research Assistant in Physiology be created to give a fresh fillip to the research work, (iii) preliminary chemical, bacteriological and other tests on one or two drugs like ' Nirgundi,' ' Jatmansi, ' ' Barchi, ' etc. should be undertaken by the Unit with a view to studying its use in burns.

19. Dean's Committee.

The Committee met twice during the year under report on the 10th September, 1954 and again on the 25th January, 1955. The main recommendations were regarding (i) holding a camp of students in May, 1955 under the scheme of youth camps and labour service laid down by the Government of India, (ii) allowing a student to join more than one institution simultaneously as regular student in case the student is eligible for admission as per Ordinances and the time of instruction does not clash.

20. Professor B. K. Thakore's Publications Committee.

The Committee met once during the year under report on the 14th August, 1955. It recommended that (a) the printing of the book " વિવિધ વ્યાખ્યાનો " by the late Professor B. K. Thakore be completed and published, (b) original MS of વિક્રમચરિત રાસ which has been got printed by the late Professor Thakore be published under the series of Critical Editions of old Gujarati Literature published by the Gujarati department, Faculty of Arts, (c) a poem on ' સ્ત્રીસ્વાતંત્ર્ય ' written by the late Professor be published as soon as possible, (d) steps be taken to publish the letters written by the late Professor and also the letters addressed to him and other unpublished literary material, (e) arrangements be made to get an authorised biography of the late Professor B. K. Thakore written with the help of the notes made by him in his unpublished ' ડિ-રી '—diary, (f) a Research Assistant be appointed to help in the abovementioned publication work.

21. Sayajirao III Memorial Research Prize Fund Committee.

The Committee met once during the year under report on the 6th December, 1954. It rejected the two essays on Synthesis of Hindu-Muslim Culture in India received in the year 1949 as being not of the required standard for a prize. The Committee decided to invite fresh prize essays on " History of Portuguese Settlements in Western India " and to award a prize of Rs. 300/- for the best essay. It also recommended three panels of experts in Gujarati, Marathi and Hindi to examine the essays and authorised the Vice-Chancellor, Chairman of the Committee, to appoint the required number of experts from among them.

CHAPTER VII—RESEARCH WORK IN THE UNIVERSITY

1. Some of the research work done by the members of the staff of the University is being published in the Journal of the University. The Journal entered into the third year of its publication. Shri C. M. Shukla continued to be its Editor. The following members were appointed on the Advisory Board of the Journal. Dr. N. M. Bhatt, Professor B. J. Sandesara, Professor M. N. Srinivas, Professor N. S. Bendre, Professor S. M. Sethna, Professor S. M. Sen and Dr. B. Subbarao.

2. During the year under report post-graduate and research work was done in almost all the Faculties and Institutions under the University. The subject, the name of the guide, the degree in connection with which it was undertaken and the title of the research are given in the statement below :

S.No.	*Name*	*Date of registration*	*Name of the guiding teacher*	*Subject*	*Title of the thesis*
1	2	3	4	5	6
			Ph.D.		
1	Pandya Purushottam Premshanker	3-11-1953	Dr. B. Subbarao	Archaeology	Archaeological survey of Halar Dist. (Saurashtra)
2	Choudhary Sooryakant Narsinh	13-7-1954	Dr. B. Subbarao	Archaeology	Archaeological Survey of North Gujarat
3	Bhatt Shankerlal Someshwar	14-7-1953	Professor V. Y. Kolhatkar	Economics	Local finance in India
4	Chokshi Hiralal Punjalal	28-7-1953	Professor V. Y. Kolhatkar	Economics	Taxation and economic development in India
5	Desai Ambelal Ranchhodji	28-7-1953	Dr. K. S. Venkataraman	Economics	Recent fiscal theory with special reference to modern developed economics
6	Mehta Raghuvir Satvantlal	31-7-1953	Professor V. Y. Kolhatkar	Economics	Planning in Saurashtra
7	Patel Chimanbhai Jivabhai	11-8-1953	Shri H. C. Malkani	Economics	Economics of Cottage Industry

1	2	3	4	5	6
8	Rana Jayasinh Mohansinh	13-7-1954	Professor V. Y. Kolhatkar	Economics	Some aspects of the Rural Economy of Anand Taluka
9	Oza Prafullchandra	13-7-1954	Shri H. C. Malkani	Economics	Century of Indian Railways (1853-1953)
10	Thaker Narandas Pragji	17-12-1954	Dr. K. S. Venkataraman	Economics	Some aspects of the agrarian problem in Saurashtra
11	Gadgil Pandurang Laxman	23-2-1955	Professor V. Y. Kolhatkar	Economics	Income-tax in India
12	Mehta Purushottam Pragji	29-7-1954	Shri C. M. Shukla	English	Trends in Indo-Anglian Fiction
13	Pathak Chandrakant Jayantilal	24-11-1954	Shri C. M. Shukla	English	The early poetry of Shri Arbindo
14	Chavda Vijaysingh Kishansingh	31-3-1954	Shri G. B. Pandya	History	Political Relations of Baroda with the Central Government from 1875 to 1920
15	Joshi Vasant Govind	2-6-1955	Shri G. B. Pandya	History	Baroda Administration under Raja Sir. T. Madhavrao.
16	Parikh Ratilal Dahyabhai	25-6-1954	Dr. A. G. Javdekar	Philosophy	Sociology of knowledge (an evaluation)
17	Kantawala Sureshchandra Govindlal	28-7-1953	Professor G. H. Bhatt	Sanskrit	Cultural History from Matsya Purana
18	Buch Markandray Trambaklal	4-8-1953	Professor G. H. Bhatt	Sanskrit	Critical study of Magha's Śiśupālavadha
19	Joshi Hariprasad Shivprasad	4-8-1953	Professor G. H. Bhatt	Sanskrit	Origin and development of Dattatraya worship in India
20	Thaker Jayant Premshanker	12-8-1953	Professor G. H. Bhatt	Sanskrit	Bhāravi: A study
21	(Smt.) Pathakji Rajani Pramodchandra	21-9-1953	Professor G. H. Bhatt	Sanskrit	Ideals of Social life as depicted in the Rāmāyaṇa.

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22	(Smt.) Shahani Savitri Jivatram	28-7-1953	Dr. I. P. Desai	Sociology	High School students in Baroda
23	(Smt.) Unni Raman K.	18-1-1954	Dr. I. P. Desai	Sociology	Caste in South Malabar
24	Patel Ambalal Shivlal	13-8-1954	Dr. I. P. Desai	Sociology	Social background of the High School students in Kaira-district.
25	(Smt.) Thakore Kusum Vaikunthrai	22-9-1954	Professor M. N. Srinivas	Sociology	Sociological study of Patidar Women
26	(Smt.) Desai Neera Akshaykumar	10-2-1955	Dr. I. P. Desai	Sociology	Nineteenth Century Gujarati Society from literary sources
27	Kshirasagar Sharad Govind	25-1-1954	Dr. V. N. Patvardhan	Bio-chemistry	Studies in Protein Metabolism
28	Shah Jaysukh Jagmohandas	25-3-1954	Dr. A. R. Chavan	Botany	Developmental and Anatomical studies in tendrils and axillary buds in some dicotyledons
29	Mehta Atul Ramakant	23-7-1953	Dr. A. R. Chavan	Botany	The grasses of Gujarat.
30	(Smt.) Parkhi Sindhu Raghunath	23-7-1954	Professor S. M. Sethna	Chemistry	Studies in Kostaneeki Robinson reaction
31	Wadia Phiroze Sohrab	25-3-1954	Dr. M. L. Dhar	Chemistry	Chemotherapy of Antimycobacterial Agents and Filariusis
32	Lele Sadashiv Shamrao	9-7-1954	Professor S. M. Sethna	Chemistry	Studies in Anthracene Derivatives
33	Dubale Mahadeo Shivram	27-11-1954	Dr. J. C. George	Zoology	Certain Aspects of ear breathing in fishes
34	Desai Dhirubhai Raghnathji	22-6-1954	Dr. M. S. Patel	Education	Achievement Tests for Primary schools, their construction and standardization

1	2	3	4	5	6
			M.Ed. (By research)		
1	Pandya Manilal Muljibhai	7-7-1953	Dr. M. S. Patel	Education	The training of primary teachers in Bombay State
2	Parikh Jamnadas Pitamberdas	19-12-1953	Dr. M. S. Patel	Education	Hundred years of Education in Saurashtra
3	Parekh Bhagvanlal Umedchand	3-2-1954	Shri N. N. Shukla	Education	World frequency of Gujarati pupils, age group 5 to 9
4	Bhatt Chunilal Ravishankar	12-2-1954	Shri N. N. Shukla	Education	Construction and Standardisation of a group test of intelligence
5	Mehta Chhitubhai Maganlal	25-2-1954	Professor T. K. N. Menon	Education	A study of problems relating to the welfare of secondary teachers
6	Acharya Jatindraray Prabhashanker	5-4-1954	Shri S. C. Parikh	Education	Attainment tests in Algebra for Gujarati speaking children
7	Amin Shreekant Maganbhai	2-7-1954	Dr. M. S. Patel	Education	A study of problems relating to the welfare of primary teachers
8	Jhala Gajendra Dhanvantray	16-7-1954	Shri N. N. Shukla	Education	Finding out norm reliability and validity of a mechanical aptitude test
9	Modi Jagmohandas Jagjivandas	17-7-1954	Professor T. K. N. Menon	Education	General education programme for the undergraduate (excluding intermediate) students of the M. S. University of Baroda
10	Maniar Shantilal Jivandas	20-7-1954	Shri S. C. Parikh	Education	Generalisation abilities of Gujarati Children in the subjects of Mathematics

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11	Patel Manubhai Shankerbhai	20-9-1954	Dr. S. N. Mukerji	Education	An investigation into the education of aboriginals and hill tribes of Gujarat
12	Patel Jasubhai Jivanlal	6-2-1955	Professor T. K. N. Menon	Education	A critical study of the use of audio-visual aids in Secondary Schools in India with particular reference to a selected area in Gujarat.
			M.Ed. (By papers and dissertation)		
1	Bhatt Jayendrakumar Manidhar	30-7-1953	Professor R. V. Parulekar	Education	Wastage and Stagnation in Secondary Education with particular reference to the Secondary Schools of Baroda City
2	Jagtap Ranjitsinh Khanderao	30-7-1953	Professor R. V. Parulekar	Education	Public primary schools with special reference to Broach District
3	Mehta Bhupendraprasad Chhaganlal	30-7-1953	Shri D. G. Apte	Education	Maharaja Sayajirao as an educationist
4	Mistry Navanitlal Makanji	30-7-1953	Shri D. G. Apte	Education	Educational Survey of the Matar Taluka
5	Shah Govindlal Mohanlal	30-7-1953	Dr. M. S. Patel	Education	A critical inquiry into the system of school teaching practice in the Secondary Training Colleges in Bombay State
6	Shah Mulchand Mohanlal	30-7-1953	Shri T. P. Lele	Education	Diagnostic Tests in Basu Arithmetic Skills
7	Thaker Rasiklal Someshwar	30 7-1953	Shri L. J. Bhatt	Education	An investigation to study human relationships in a Secondary School

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8	Trivedi Mansukhram Dalpatram	30-7-1953	Shri L. J. Bhatt	Education	A study of the backwardness of children in Arithmetic (primary school children upto Class VII)
9	Trivedi Rameshchandra Shankerlal	30-7-1953	Shri T. P. Lele	Education	A study of the backwardness of children in Arithmetic (Std. VIII, IX and X)
10	Bhatt Gaurishanker Prabhashanker	30-7-1953	Shri N. N. Shukla	Education	A survey into the working of a Daltonised Basic School in Urban Area
11	Kelkar Bhaskerrao Shankarrao	30-7-1953	Shri K. S. Yagnik	Education	An inquiry into the professional and economic aspects of the relation between Secondary School teachers and the administration in Baroda City.
12	Patel Dalpatbhai Nathubhai	30-7-1953	Shrimati P. Phatak	Education	Secondary School curriculum and fatigue.
13	Patel Maganbhai Hathibhai	30-7-1953	Shri P. K. Chhatre	Education	An inquiry into the relationship between play and educational progress of Secondary School children in the Petlad Taluka
14	Soni Kantilal Ambalal	30-7-1953	Shri N. N. Shukla	Education	An inquiry into the attitudes of Secondary School boys and girls towards Arithmetic
15	Soni Ramanlal Punamchand	30-7-1953	Shri A. S. Patel	Education	Evaluation of some incentives in school work
16	Wani Damodar Chhaganlal	30-7-1953	Shri K. S. Yagnik	Education	An inquiry into the professional and economic aspects of the relation between Secondary School teachers and the administration in the district schools of the Baroda district.

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17	(Smt.) Kotwal Shirin Dinshawji	29-9-1954	Dr. S. N. Mukerji	Education	The teaching of Hindi to Gujarati students of Std. V to VII
18	(Smt.) Parikh Pushpa Manilal	29-9-1954	Dr. M. S. Patel	Education	The methods of teaching Gujarati to the students of Std. VIII to XI
19	Gosai Pannagir Motigir	29-9-1954	Dr. S. N. Mukerji	Education	The role of the Central Government in Indian Education today
20	Vyas Indulal Ratilal	29-9-1954	Shri L. J. Bhatt	Education	Cumulative records for Indian Secondary Schools
21	(Smt.) Desai Kusum Naranji	29-9-1954	Dr. M. S. Patel	Education	A critical study of the various types of Inspection Reports for Indian Secondary Schools
22	Patel Ranchhodbhai Nagarji	29-9-1954	Dr. S. N. Mukerji	Education	The administration of education under Central Government during the British rule
23	Chokshi Shashikant Jekisandas	29-9-1954	Shri D. G. Apte	Education	A comparative study of the effectiveness of the methods of the teaching of writing the Gujarati alphabet to illiterates
24	Sevak Vishnuprasad Dalsukhram	29-9-1954	(Smt.) P. Phatak	Education	A comprehensive programme of social education for adult illiter-

1	2	3	4	5	6
					ates of Baroda City.
25	Desai Kantilal Ambaidas	29-9-1954	Professor T. K. N. Menon	Education	Item analysis of progressive matrices
26	Vaishnav Maheshchandra Dinkarray	29-9-1954	Shri T. P. Lele	Education	Standardisation of group test of intelligence (Gujarati age-group 9 to 15)
27	Adhyapak Hariprasad Govardhanram	29-9-1954	Shri N. N. Shukla	Education	A method of teaching Social Studies to the students of Std. VIII to XI in Bombay State
28	Patel Desaibhai Hirabhai	29-9-1954	Professor T. K. N. Menon	Education	Organisation and administration of extension work in teachers' colleges in India
29	Padhya Labhshankar Mafatlal	29-9-1954	Dr. S. N. Mukerji	Education	A study of the duties and responsibilities of the District Educational Inspector in the Bombay State today
30	Shah Navnitlal Chandulal	29-9-1954	Shri S. C. Parikh	Education	Factor analysis of progressive matrices
31	Amin Navnitlal Purushottamdas	29-9-1954	Shri T. P. Lele	Education	Standardisation of a group test in intelligence (Gujarati age-group 9 to 15)
32	Dave Arvindbhai Chunilal	29-9-1954	Shri N. N. Shukla	Education	Finding out norms, reliability and validity of differential aptitude tests for Gujarati speaking children

Diploma in Museology (By papers and dissertation)

1	Shah Hiralal Punjalal	22-7-1953	Shri V. L. Devkar	Museology	Cereals of Gujarat

1	2	3	4	5	6
2	Gupte Padmakar Govindrao	22-7-1953	Shri V. L. Devkar	Museology	Collection, display and preservation of butterflies
3	Patel Ranchhodbhai Motibhai	22-7-1953	Shri V. L. Devkar	Museology	Medicinal Plants of Baroda
4	(Smt.) Satakopachari Padma S.	7-8-1953	Shri V. L. Devkar	Museology	Museology
5	(Smt.) Unny Lakshmi Krishnan	18-9-1953	Shri V. L. Devkar	Museology	Display of Coral Gallery
6	Desai Apabhai Dhanjibhai	19-7-1954	Shri V. L. Devkar	Museology	A scheme for the museum in Government of India Secondary School D. S. M. (T. T.) Dar-es-salam (British East Africa)
7	(Smt.) Vora Ila Chhotalal	20-7-1954	Shri V. L. Devkar	Museology	Collection and display of vitamins, stimulants, pickles and spices of Baroda
8	Shah Rajnikant Punjalal	22-7-1954	Shri V. L. Devkar	Museology	Chemical cleaning, analysis and display of some old bronzes and coins
9	Patel Ramesh Jashbhai	22-7-1954	Shri V. L. Devkar	Museology	Snakes, their collection, preservation and display
10	Mehta Subhashchandra Harshadrai	22-7-1954	Shri V. L. Devkar	Museology	Need of the Museum in J. M. J. High School, Baroda
11	Kothari Ranjoo Ramchandra	22-7-1954	Shri V. L. Devkar	Museology	Children's Museum
12	(Smt.) Parikh Pushpa Manilal	30-7-1954	Shri V. L. Devkar	Museology	Village Museum
13	Joshi Bhalchandra Balkrishna	30-7-1954	Shri V. L. Devkar	Museology	Collection, preservation and display of ornamental plants

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	M.Sc. (Home) (By papers and dissertation)				
1	(Smt.) Karnik Pushpalata Shridharrao	6-7-1954	Dr. R. P. Devadas, Dr. F P. Kittrell, Shri U. P. Gore	Foods and Nutrition	The nutrition status of selected group of nursery school children, Faculty of Home Science, University of Baroda
2	(Smt.) Kripadanam Premila Agnes Vilma	14-7-1954	Dr. R. P. Devadas, Dr. F. P. Kittrell, Shri U. P. Gore	Foods and Nutrition	A study and analysis of food consumption of hostel men and women in Baroda University
	M. S. W. (By dissertation and viva-voce)				
1	Barot Maheshchandra Mohanlal	18-7-1953	Shri G. G. Dadlani	Social Work	Study of upbringing of children in a village to determine child welfare progress
2	Shah Vasantkumar Bhurabhai	18-7-1953	Kumari J. C. Merani	Social Work	Role of Panchayat in village welfare activities
3	Pathak Suryakant Jayantilal	21-7-1953	Shri W. P. Singh	Social Work	An inquiry into the land distribution and agricultural production in Bil village, Dist. Baroda
4	Vaidya Ramchandra Vasudeo	24-7-1953	Shri S. N. Ranade	Social Work	A study of the attitude of workers towards industrial employment and urban-living
5	(Kumari) Trivedi Shrimati Ramniklal	25-8-1953	Miss O. Swoboda	Social Work	Case study of expectant mothers in the General Hospital and Shree Shantadevi Nursing Home, Baroda
6	Gill Didarsingh Bakshishsingh	7-9-1953	Shri W. P. Singh	Social Work	A study of the living conditions of the workers in Kustur Colliery

1	2	3	4	5	6
					with special reference to housing, leisure time activities and education
7	Sircar Brata	Chira 9-9-1953	Kumari A. K. Menon	Social Work	Medico-Social study of Leprosy patients in Calcutta
8	Bidra singh	Didar- 9-9-1953	Shri W. P. Singh	Social Work	Measures taken by the Northern Railway for welfare of the workers at the Kalka Workshop
9	Aggarwal Shivkumar	15-9-1953	Shri S. N. Ranade	Social Work	Labour welfare measures in Textile mills in Delhi
10	Chaturvedi Het Ram	15-9-1953	Shri W. P. Singh	Social Work	A study of the rural background of the Industrial Workers
11	(Smt.) Chitre Vijaya Mahadeorao	15-9-1953	Kumari A. K. Menon	Social Work	A case study of children suffering from Palisneylitis or a case study of patients suffering from cancer
12	(Smt.) Devi Sarada Kallodi	15-9-1953	Miss O. Swoboda	Social Work	Case study of T.B. patients
13	Jakob Kurian Kaithkar	15-9-1953	Shri S. N. Ranade	Social Work	Labour welfare measures in Alwaya
14	Joglekar Prabhakar D.	15-9-1953	Shri S. N. Ranade	Social Work	Trade Unionism in Baroda
15	Kumar Gianchand	15-9-1953	Kumari I. D. Malani	Social Work	Welfare activities conducted by Village Panchayats
16	Maitra Krishna Kanta	15-9-1953	Kumari I. D. Malani	Social Work	An evaluative study of the social education programme in a community project area

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17	Pillai Chandrasekhar Krishna	15-9-1953	Kumari S. V. Phadke	Social Work	Evaluative study of Chalakudy Community Project.
18	(Smt.) Pustake Leela Digamber	15-9-1953	Professor (Kumari) P. Vakharia	Social Work	A study of T. B. patients in a hospital
19	(Smt.) Riswadkar Shalini Balkrishna	15-9-1953	Kumari S. V. Phadke	Social Work	Follow up study of children released from Remand Home
20	Gurdip Singh	15-9-1953	Shri W. P. Singh	Social Work	A study of workers employed on construction project in Chandigarh
21	Shelat Indukumar Pranshankar	15-9-1953	Shri W. P. Singh	Social Work	A study of 10 Village Panchayats in Baroda Taluka
22	(Smt.) Tavergeri-Leela Rangarao	15-9-1953	Professor (Kumari) P. Vakharia	Social Work	A study of institutionalised children presenting behaviour problems
23	(Smt.) Subramanyam Subbalakshmi Veniata	15-9-1953	Miss O. Swoboda	Social Work	A study of attitude of patients towards surgery
24	(Smt.) Raizada Premila Raghunathprasad	8-10-1953	Professor (Kumari) P. Vakharia	Social Work	Case study of thirty women criminals in Baroda
25	Theckemangathe Varghese John	22-10-1953	Kumari J. C. Merani	Social Work	Role of demontration centres in the development of rural areas in Muothurdam project
26	Thawani Murlidhar Ramchand	22-10-1953	Kumari J. C. Merani	Social Work	An evaluative study of the attitude of people towards Sabarkantha Community Project

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27	Naik Suresh Shrikrishna	12-7-1954	Shrimati P. Bhatt	Social Work	The attitude of long-term prisoners towards jail life
28	Macwan John Vasantrai D.	13-7-1954	Shri W. P. Singh	Social Work	A study of workers in Manganese Mines at Shivrajpur
29	(Smt.) Patel Harashada Tribhuvandas	13-7-1954	Professor (Kumari) P. Vakharia	Social Work	Attitude of the inmates of an Orphanage towards the institution
30	(Smt.) Sarvate Kalindi Vinayak	13-7-1954	Miss O. Swoboda	Social Work	Case studies of families of children suffering from T. B.
31	Sharma Mahendra H.	13-7-1954	Shri S. N. Ranade	Social Work	Working and welfare conditions in the Gun-carriage factory in Jubalpore.
32	(Smt.) Telang Vijaya Shanker	13-7-1954	Kumari A. K. Menon	Social Work	A comparative study of the attitudes of women living in labour colonies and civil lines of Indore towards family planning
33	Thaker Natverlal Nautamlal	13-7-1954	Shri S. N. Ranade	Social Work	A study of welfare activities of the T. L. A. Ahmedabad with special reference to measures of economic welfare
34	Vaidya Manubhai Laxmanbhai	13-7-1954	Shri G. G. Dadlani	Social Work	A brief survey of the socio-economic conditions of Kharwa community in Cambay
35	(Smt.) Shaha Jaskore Dalichand	14-7-1954	Shri G. G. Dadlani	Social Work	The study of social life of some families from sweepers' community in Harde

1	2	3	4	5	6
36	Tahiliani Viru Hariram	15-7-1954	Shri S. N. Ranade	Social Work	A study of industrial disputes in Baroda
37	Patel Natubhai Trikamlal	16-7-1954	Shri S. N. Ranade	Social Work	Co-operative societies among industrial workers in Ahmedabad
38	Ghulati Chandar Parkash	17-7-1954	Kumari S. V. Phadake	Social Work	A comparative study of co-operative societies and the attitude of people towards them
39	Lele Purushottam Khanderao	4-8-1954	Shri W. P. Singh	Social Work	A study of co-operative credit societies in Sinnar Taluka in Nasik district
40	Sun Khar Robert	23-8-1954	Kumari I. D. Malani	Social Work	Burma Rehabilitation Scheme and working of Rehabilitation Brigade.
41	(Smt.) Ma Khin Myint	23-8-1954	Kumari J. C. Merani	Social Work	A study of the habits in family expenditure of the families of peons employed in Government offices in Rangoon, Burma.

3. The research work done by the members of the staff themselves is in the statement below :—

Name of the Department and the Teacher	*Subject of Research*
I Faculty of Arts	
(a) *Archæology*	
Shri R. N. Mehta	Exploration on the Narbada between Gora and Chandod.
(b) *Economics*	
Shri H. C. Malkani	Agrarian Labour in Gujarat.
	Economics of Cottage Industries with special reference to Gujarat.

(c) *History*	
Dr. S. C. Misra	The early Sultans of Gujarat.
(d) *Philosophy*	
Dr. A. G. Javadekar	Ethical implication of Epistemology.
(e) *Sanskrit*	
(1) Dr. S. S. Bhawe	A note on the *Visvamitra's* Regveda.
(2) Dr. A. N. Jani	Chronology of Gujarat.
II Faculty of Science *	
(a) *Chemistry*	
(1) Professor S. M. Sethna and Shri N. H. Shah	Studies in the Hydroxy-anthra-cene Series : Some reactions of 2-anthrol
(2) Professor S. M. Sethna and Shri K. N. Trivedi	Synthesis of Benzo-y-pyrones by the condensation of β Letronic esters with phenols without the use of a condensing agent.
(3) Shri A. N. Godbole	Paper Chromatography of Sugars and related substances and U. V. spectra of Organic compounds.
(b) *Physics*	
(1) Dr. D. V. Gogate and Shri H. N. Patil	(1) Temperature decay in convected air streams. (2) Determination of Convective Heat-losses in air streams at low velocities.
(2) Dr. D. V. Gogate and Shri K. R. Chaudhari	Construction of simple Viscometer.
(3) Dr. N. S. Pandya and Shri G. K. Trivedi	Study of crystal growth by Cataphoresis.
(c) *Statistics*	
Dr. N. M. Bhatt	(1) Second Statistical Summary of Medical Inspection Reports (In Press). (2) Square Triangular Matrix with Unit Elements.

* For research papers published by the members of the staff of the Faculty please see Chapter IX—Faculty of Science.

(d) *Zoology*		
Dr. J. C. George		(1) Animal remains—Archæological Excavations at Nasik and Jorwe. (2) Cranial Osteology of Uromastix hardwickii. (Published)
III Faculty of Education and Psychology		
(a) *Educational Administration*		
Dr. S. N. Mukerji		(1) A comparative study of curricula for under-graduate students in Indian Universities. (2) A study of the existing system of maintaining class records in different Faculties and Institutions of the M.S. University of Baroda.
(b) *Psychology*		
Professor T. K. N. Menon		Construction of a Test of Social Intelligence.
Shri T. P. Lele		(1) General information test for the fourth year University students. (2) *Tentative norm for the Minnessota Manual Dexterity Test.
Shri L. J. Bhatt		*A test of family Attitude. Analysis of jobs in Sanitex Chemicals Ltd.
IV Faculty of Medicine		
Physiology		
Dr. J. D. Pathak		Inquiry into health, nutrition and economic status of the family of Secondary School Teachers of Baroda.
Dr. M. L. Pai		Investigations on the influence of cooking on the nutritional value of foods.
V College of Indian Music, Dance and Dramatics		
Music		
Shri R. C. Mehta		Indian Music, its legend, history and heritage.

* Research work continued from the previous year.

CHAPTER VIII—FACULTY OF ARTS

1. Buildings.

The Faculty is housed in the east wing of the former Baroda College building, the Red Block near the Seminar building and the High School Block rooms. The Faculty Library is housed in the western wing (first floor) of the former Baroda College building.

2. Courses of Studies.

There was provision for the following courses during the year under report :

1. *Upto Ph.D :* English, Gujarati, Marathi, Sanskrit, Sociology, History, Philosophy and Economics.
2. *Upto M.A. only :* Persian, Psychology, Statistics and Mathematics.
3. *M.A. & Ph.D only :* Ancient Indian Culture and Archaeology.
4. *B.A. (Subsidiary & General) and M.A. (Subordinate) only :* Pali, Urdu and Hindi.
5. *B.A. (Special) Subsidiary & General only :* Politics.
6. *B.A. Subsidiary & General only :* French and Education.
7. *Upto B.A. only :* Geography.
8. *M.A. only :* Hindi.

3. Number of Students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :—

Class	*Men*	*Women*	*Total*
Jr. B. A.	142	39	181
Sr. B. A.	123	32	155
Jr. M. A.	27	8	35
Sr. M. A.	18	9	27
Ph. D.	9	1	10
Total :	319	89	408

4. Staff.

During the year 1954-55, the staff of the Faculty consisted of 2 Professors, 8 Readers, 14 Senior Lecturers, 15 Junior Lecturers, 11 Tutors, 3 Part-time Teachers, 9 Class III and 14 Class IV servants.

Teachers of the Faculty carried out teaching assignments in the foflowing Faculties and Institutions where Humanities are included as part of the course :—

1. Faculty of Science, 2. Faculty of Commerce, 3. Faculty of Technology (including Engineering), 4. Faculty of Fine Arts, 5. Faculty of Home Science, 6. Intermediate College and 7. College of Indian Music, Dance and Dramatics.

5. Library and Reading Room.

The Faculty has a well equipped library. The libraries of the Faculties of Arts and Commerce are placed under a common management. The students of the Faculty use the reading facilities (periodicals) provided in the joint Common room. The library and reading room were kept open from 10-00 a. m. to 6-00 p. m. In addition, the students make use of the departmental libraries.

The following are the figures showing the average daily attendance and the circulation of books in the Faculty library :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and the Reading Room daily	50
2.	Average number of teachers making use of the Library and the Reading Room daily	20
3.	Total number of books issued to students during the year	4,500
4.	Total number of books issued to teachers during the year	7,000

The following figures show the stock and the expenditure on the maintenance of Library and Reading Room during the year 1954-55 :

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	25,146	1,82,305-0-0
2.	Books written-off during the year	11	114-5-0
3.	Books added during the year	1,326	10,000-0-0
4.	Books as on 30-6-1955	26,461	1,92,190-11-0
5.	Journals subscribed during the year	120	1,500-0-0
6.	Amount spent on binding during the year	—	150-0-0
7.	Total number spent for Library and Reading Room during the year	—	11,650-0-0

6. Museum.

In the Department of Archaeology important antiquities, such as microlithic implements from Banas-Kantha, pottery of the pre-historic period from Mevasa and Greek, Roman and indigenous coins and a few sculptures from the Baroda District, were added to the department Museum during the year under report. The following additions in the equipment were made :—

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954*	*Cost of equipment etc. written off during the year*	*Cost of equipment etc. added during the year*	*Cost of equipment as on 30-6-1955*
		Rs.	Rs.	Rs.	Rs.
1.	Equipment	9,608-10-3	—	1,169-11-0	10,778-5-3

7. Publications by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55 :

(i) Articles or Papers :

Name	*Title*	*Where published*
Professor B. J. Sandesara	(1) Samshodhan na ketlak prashno—Lecture delivered on the 13th February, 1955 on the occasion of the award of Ranjitram Suvarna Chandrak, Ahmedabad.	Booklet published by the Author
	(2) Gangadas Pratap Vilas (Historical play by Gangadhar)	Journal of the Oriental Institute, March, 1955
Professor M. N. Srinivas	Social System of Mysore Village	American Anthropologist, June, 1955
Dr. I. P. Desai	The Social Composition of the Students in the M. S. University	Journal of the M. S. University of Baroda, March, 1955
Shri H. C. Malkani	Role of the Private Sector	'India' April 1955
Dr. V. Sunder Rajan	(1) Progress of Banking in India	'Commerce' April, 1955
	(2) Rural Credit and Commercial Banks	'India' April, 1955
	(3) Can Money Lenders be institutionalised ?	Journal of the M. S. University of Baroda, March, 1955

Name	*Title*	*Where published*
Dr. A. G. Javadekar	Ethical Theory of knowledge	Proceedings of the Indian Philosophical Congress, December, 1954
Shri R. N. Mehta	Baroda	Science and Culture, December, 1954
Shri I. A. Dave	Prachin Gujarati Bhasha ane Uttar Gujarati Boli : ek Drashtipata	Buddhiprakash, March 1955
Shri Y. V. Surendranath	Lineage and Local Community among the Bhils of Ratanmal.	Economic Weekly, December 1954
(ii) Books :		
Professor B. J. Sandesara	Sabda Ane Artha	Bombay University, December, 1954
Professor M. N. Srinivas	India's Villages (edited)	West Bengal Government Press, June, 1955
Dr. V. Sunder Rajan	An Economic History of India—1757 to 1947	East and West Book House, Baroda, February 1955

8. Other literary and cultural activities.

Many members of the staff contributed articles on popular themes, delivered public lectures, gave radio talks and were associated with literary and cultural activities in and outside Baroda.

9. Co-curricular activities.

(a) Tours :

(1) A tour of the students of the Philosophy department was organised and led by Shri B. G. Desai. They attended the 29th Session of the Indian Philosophical Congress at Ceylon, and on their return journey they visited places of academic, cultural and religious importance in South India.

(2) A similar tour of the Faculty students was organised and led by Dr. A. N. Jani to Ceylon and to important places in South India.

(3) Dr. S. C. Misra organised and led the Historical study tour to South and Western India. The itinerary included visits to Ajanta, Ellora and Poona.

(b) Socials :

The Faculty Social was arranged on the 28th March, 1955 under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor. The reports of the various Associations of the Faculty were read and the Vice-Chancellor addressed the gathering. The Vice-Chancellor also joined the annual community dinner which concluded the function.

(c) Debates :

Under the auspices of the Speakers' Club various debates were held ; some of them were trial debates at which speakers were selected to represent the Faculty at Inter-Faculty contests. Extempore speech competitions were also included in the programme. Representatives of this Faculty participated in all the Inter-Faculty debating contests organized by the University.

The Club organized two Symposia during the session—one on 'History' and the other on 'Freedom'. At both these, members of the staff and eminent outsiders participated. The Human Rights Day was celebrated with a Symposium on 'Human Rights'. This was followed by discussion. Shri N. M. Miyabhai, District Judge, Baroda, was invited to be one of the participants.

A novel feature introduced by the Speakers' Club during the year was a "Mock-Parliament Session," held by students of the Faculty. It was a vivid presentation of the different political elements in our present parliament including the impersonation of some notable personalities. The parliamentary procedure was followed as nearly as possible. The Bill debated was the Hindu Code Bill.

(d) Film shows and exhibitions :

During the year the department of Archaeology took part in the following exhibitions :

(1) The Archaeological exhibition held in the National Museum, New Delhi.

(2) The exhibition of Gujarat Culture arranged at the Session of the All India History Congress.

(3) The exhibition of the Archæology of Western India held jointly by the Department of Archaeology of the Faculty with the Western Circle, Department of Archaeology, Government

of India at the Session of the All India Science Conference at Baroda.

(4) The Archaeological exhibition for the University Week.

(e) Celebrations :

Important national days were celebrated.

(f) Sports :

Kumari Lalita M. Gaekwad and Kumari R. F. Mogrelia won the championship in the Inter-Faculty Table Tennis tournament.

The following students represented the University at Tournaments:

1. Shri J. H. Vin—One of the University Cricket eleven played in Ranjit Trophy.
2. Shri K. P. Parmar—One of the University Cricket eleven played in Ranjit Trophy.
3. Kumari R. F. Mogrelia and Kumari Lalita Gaekwad—Table Tennis players represented Gujarat at the All India 17th Inter-State and National Tournament.

(g) Societies of the Faculty :

The following Associations and Societies functioned during the year each with its distinctive programme :

1. Philosophy Association
2. Economics Association
3. Sanskrit Association
4. English Literary Society
5. Gujarati Literary Society
6. Shakespeare Society
7. History Society
8. Politics Society
9. U. N. O. Society
10. Marathi Literary Society

Each of these groups carried out its own programme of Symposia and Seminars where papers were read by the students and discussions were held, where both the students and staff participated. The Shakespeare Society staged "The Taming of the Shrew." The Music Circle of the Faculty organised variety entertainment programmes. The Gujarati Literary Society put up a Gujarati Play at the Inter-Faculty drama competition organised by the University Union.

10. Tutorial and Class work.

Annually, not less than four tutorials per paper for the students of both the Special and General courses are set. Besides, the terminal and the annual examinations in the case of Junior B.A. and the terminal examination in the case of Senior B.A. students are treated as additional tutorials. As a rule, the tutorials are set and written in the class-room under the supervision of the teachers. The themes refer to the portion done during the period in which the tutorial is set. Marks are assigned out of 20.

In many departments the tutorials are corrected by the teachers concerned. Where the number of the students is above 40, as in the First Year and Intermediate Classes, the tutorials are examined by the Tutors but about ten to twenty percent of the scripts are examined by the teachers concerned. The mistakes are explained to students individually or in groups. Additional general hints regarding improvement etc. are given to the whole class at the proper time. In general, it has been so arranged that the difficulties of the students can be attended to individually. This is done more regularly in classes where the numbers are small.

The tutorial system is working satisfactorily and it has been noticed that it does help the students to understand their subjects better and to express themselves more effectively. It has been the impression of many teachers that the students have now learnt to take their tutorials more seriously than before. They also help to establish a more intimate contact between the teacher and the student.

11. Other important events.

(1) The University invited the Indian Science Congress to hold its session in Baroda. The buildings of the Faculty were used for organising an exhibition on the occasion. On this occasion a Seminar on 'The relation of Social Anthropology to Sociology' was organised by the department of Sociology.

Many distinguished persons visited the Faculty and delivered lectures. Among them were :

Mr. and Mrs. Harper, Anthropologists from Cornell University.

Mr. H. Orenstein, Anthropologists from the University of California.

Dr. Adrian Mayer, Anthropologist from the National University of Australia.

Mrs. T. S. Trent, Social Scientist from the University of Manchester.

Principal R.D. Karmarkar from the Poona University.

Dr. P. T. Raju from the University of Rajputana.

(2) Dr. B. Subbarao, Reader in Archaeology, received the British Council Travel grant and he visited U. K. and France. He worked in the Institute of Archaeology, University of London.

(3) The Department of Anthropology of the University of Chicago, U. S. A., has made a grant of 2500/- dollars over a period of two years to the Sociology department of the Faculty for study of the multi-caste villages in Gujarat for which Barot records exist.

(4) Professor B. J. Sandesara was awarded The Ranjitram Suvarna Chandrak by the Gujarat Sahitya Sabha for research work and publication.

(5) Professor M. N. Srinivas was awarded the Rivers Memorial Medal of the Royal Anthropological Institute, London, for 'distinguished field-work among the Coorgs of South India.'

(6) The Economics department organised a Socio-Economic Survey of Baroda City under the auspices of the Research Programmes Committee of the Planning Commission. A field survey was also conducted regarding industrial conditions in the Baroda City with the help of Shri S. B. Majmudar, Research Assistant.

(7) Professor D. N. Bigelow, Visiting Fulbright Professor, worked in the department of History during the session.

(8) Shri G. B. Pandya left for the United States under a grant from the U. S. Educational Foundation in India to attend a Seminar and to lecture as a Fulbright Professor.

(9) The department of History is preparing a Critical Edition of Mirat-i-Sikandari.

CHAPTER IX—FACULTY OF SCIENCE

1. Buildings.

A small room for installing the new petrol gas plant was built behind the Chemistry library room at a cost of Rs. 3,500/-. No other addition was made in the present buildings of the S. J. Science Institute and the Square Block, in which the Faculty is housed at present.

2. Courses of Studies.

The Faculty provides instruction in the subjects of Physics, Chemistry, Botany, Zoology, Mathematics, Statistics and Geography. Instruction is imparted in these subjects at the undergraduate level leading to the B.Sc. degree, and except in Geography, at post-graduate level leading to the M.Sc. degree. The instruction in Geology, which is a subject for the B.Sc. degree, is given in the Faculty of Technology (including Engineering). Students are taken up for research work and for the Ph.D. degree. A Reader in Bio-chemistry was appointed during the year to organize Dr. K. G. Naik Bio-chemistry department with a view to starting the M.Sc. course in Bio-chemistry from July, 1955. The Faculty continued to teach its various subjects to the students of the Faculties of Arts, Commerce, Technology (including Engineering) and Home Science.

3. Number of Students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :

Class	*Men*	*Women*	*Total*
F.Y.Sc.	346	29	375
Int.Sc.	314	10	324
Jr. B.Sc.	179	16	195
Sr. B.Sc.	147	13	160
M. Sc.	65	5	70
Ph.D.	4	–	4
Total	1,055	73	1,128

4. Staff.

During the year under report the staff of the Faculty consisted of 1 Professor, 9 Readers, 6 Senior Lecturers, 15 Junior Lecturers, 31 Demonstrators, 3 Tutors 1 Draftsman and 27 Class III and 31 Class IV servants.

5. Library and Reading Room.

The members of the staff and the students of the Faculty make use of the reading-room in the Students' Common Room and of the Mathematics and Statistics sections of the library of the Faculty of Arts.

The Faculty maintains libraries in the various departments and these are used by students and teachers. Figures cannot give an adequate idea of the amount of use of these libraries, as some of these libraries are open-shelf libraries. It has been found that post-graduate students and teachers make very good use of the library. The journals are very well used. About 150 students per day are attending the libraries and the number of books issued per year are roughly 1,000 to the students and 800 to the teachers.

The University Grants Commission gave to the Faculty a sum of Rs. 50,000/- for books during 1954-55, the unspent amount to be carried over to 1955-56. Books and past issues of Journals worth Rs. 23,786/- were purchased for the various departments during the year from this grant.

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading-room during the year 1954-55 :

S.No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	5,462	69,998/-
2.	Books written off during the year	—	—
3.	Books added during the year	1,200	26,219/-*
4.	Books as on 30-6-1955	6,662	95,217/-
5.	Journals subscribed during the year	57	3,231/-
6.	Amount spent on binding during the year	—	429/-
7.	Total amount spent on Library and Reading Room during the year	—	29,879/-†

6. Museums, Laboratories etc.

(i) Various specimens were added in the Botanical and Zoological museums.

(ii) As the welding of one of the old gas tanks was found impossible, it was found necessary to install a small petrol gas plant. It is necessary to install another and a larger petrol gas plant, which would be more efficient and economical than the old kerosene gas plant.

(iii) The Faculty received a grant of a sum of Rs. 90,000/- from the University Grants Commission for the year 1954-55 for the purchase of apparatus and equipment, the unspent amount to be carried over to 1955-56. The amount spent during the year 1954-55 from this grant was Rs. 60,054/-.

* Rs. 23,786/- from U.G.C. grant and Rs. 2,433 from Faculty grant.

† Rs. 23,786/- from U.G.C. grant and Rs. 6,093 from Faculty grant.

The following table shows the cost of equipment in the different laboratories of the Faculty :

Laboratory	*Cost of equipment as on 1-7-1954*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1955*
	Rs.	Rs.	Rs.	Rs.
Chemistry	49,315*	—	20,160	69,545
Physics	1,50,363	—	25,583	1,75,946
Botany	1,15,260	—	7,643	1,22,903
Zoology	40,352	—	13,269	53,621
Statistics	31,300	—	7,713	39,013
Geography	—	—	4,950	4,950
Total	3,86,660	—	79,318	4,65,978

7. Publications by the members of the staff.

(i) The following were the publications by the members of the staff during the year 1954-55 :

	Name	*Title*	*Where published*
1	Dr. D. V. Gogate and Shri K. R. Chaudhari	Motion of a Sphere through a Viscous liquid	Journal of M. S. University of Baroda, October 1954.
2	Dr. D. V. Gogate and Shri G. K. Trivedi	Weather, its determining principles and utility of weather forecasts.	Special Science Congress Gujarati Number by the Scientific Publishers, Baroda, January, 1955.
3	Dr. N. S. Pandya, Shri M. Omar and Professor S. Tolansky	The etching of diamond I Octahedron Faces	Proceedings of the Royal Society A Vol. 225.
4	Dr. N. S. Pandya and Professor S. Tolansky	The etching of diamond II Cleavage dodecahedron and cube faces	Proceedings of the Royal Society A Vol. 225.

* Only Scientific Apparatus.

	Name	*Title*	*Where published*
5	Dr. V. G Phatak	Vegetation of Gujarat and Kathiawar	Souvenir Volume of the Indian Science Congress 1955, Baroda.
6	Dr. A. R. Chavan and Professor T. S. Mahabale	The distribution of Liverworts in Gujarat	Journal of M. S. University of Baroda, October, 1954.
7	Dr. A. R. Chavan and Dr. V. G. Phatak	The Capparidaceae of Baroda	Journal of M. S. University of Baroda, October, 1954.
8	Shri L. K. Gaekwad and Shri Y. S. Deshmukh	Occurrence of Osoectes at Baroda	Science and Culture.
9	Shri J. J. Shah and Dr. A. R. Chavan	Septate epidermis and stomata in the tendril of Vitis pallide W. & A.	Science and Culture.
10	Dr. J. C. George and Shri R. V. Shah	The Myology of the Head and Neck of the Common pond turtle	Journal of Animal Morphology and Physiology, Vol. I, No. 1.
11	Dr. J. C. George and Shri R. V. Shah	On the occurrence of a striated outer muscular sheath in the lungs of Lissemyse punctata granosa.	Journal of Animal Morphology and Physiology, Vol. I, No. 1.
12	Dr. J. C. George and Shri V. C. Shah	A comparative study of the chemical composition of the muscle of lobster and the prawn	Journal of Animal Morphology and Physiology, Vol. I, No. 1.
13	Dr. J. C. George and Shri V. C. Shah	A note on the muscle fat of lobster	Journal of Animal Morphology and Physiology, Vol. I, No. 1.
14	Dr. J. C. George and Shri R. V. Shah	Respiratory mechanism in the chelonia	Journal of Animal Morphology and Physiology, Vol. I, No. 1.
15	Dr. J. C. George and Shri B. N. Desai	On the liver fact in Pila globosa	Journal of Animal Morphology and Psychology, Vol. I, No. 1.
16	Shri S. N. Parikh and Shri A. N. Godbole	Buffered Paper Chromatography of Sugars and related substances, Part I	Journal of M. S. University of Baroda, October, 1954.
17	Shri J. M. Parikh and Dr. C. S. Patel	Proteins and minerals of Guar Seeds	Journal of M. S. University of Baroda, October, 1954.
18	Shri K. B. Desai and Professor Suresh Sethna	Chemical Investigation of the roots of the Indian Medicinal plant Cardiospermum halicacabum	Journal of M. S. University of Baroda, October, 1954.

	Name	*Title*	*Where published*
19	Shri P. B. Mahajani, Shri S. S. Lele and Professor Suresh Sethna	Condensation of some aromatic aldehydes with Oracetophenone and its monomethyl ether	Journal of M. S. University of Baroda, October, 1954.
20	Shri S. S. Lele and Professor Suresh Sethna	Bromination of Ethyl 7-Hydroxy Coumarin 3-Carboxy late and some dihydroxy coumarin derivatives	Journal of Scientific and Industrial Research, 1955.
21	Dr. J. S. Dave and Prof. M. J. Dewar	Mixed Liquid Crystals-I	Journal of the Chemical Society, 1954.
22	Prof. J. D. Pathak and Dr. N. M. Bhatt	Report on the Survey of conditions of health, economic and nutrition in the families of secondary teachers of Baroda, 1954	Published by Baroda University, 1955.
23	Dr. N. M. Bhatt	A method to determine approximately latent Normal Correlation	Journal of M. S. University of Baroda, October, 1954.
24	Shri D. G. Vashi	A Report on Survey of Industries in Baroda	Published by the Federation of Industries, Baroda, 1955.
25	Kumari V. A. Janaki	Functional Classifications of Urban Settlements in Kerala I and II	Journal of M. S. University of Baroda, October, 1954.
26	Kumari V. A. Janaki	Physical Aspects of Gujarat and Saurashtra	Souvenir Volume of the Indian Science Congress, Baroda, 1955.

(ii) The following papers were read at the 42nd Session of the Indian Science Congress held at Baroda in January, 1955 by the members of the staff :

	Name	*Title*
1	Shri R. V. Joshi	Study of the Dispersion of some Organic Compound
2	Shri H. N. Patil and Dr. D. V. Gogate	A study of temperature variation in convected air streams
3	Shri K. R. Chaudhari and Dr. D. V. Gogate	A simple Viscometer
4	Dr. V. G. Phatak and Kumari K. B. Ambegaokar	The embryological studies in Acanthaceae The Female Gamelophyte
5	Shri J. J. Shah and Dr. A. R. Chavan	Origin and development of the vegetative axillary bud in Vitis repens W. &. A.

Name	*Title*
6 Dr. J. C. George	On the significance of the action of Calcium of Marine eggs.
7 Dr. J. C. George and Shri R. V. Shah	Respiratory Mechanism in the chelonia.
8 Dr. N. M. Bhatt	A method to determine Quantiles from grouped data.

8. Other literary and cultural activities.

(i) A number of demonstrations were arranged in the Astronomical Observatory when guests and students from schools, colleges and outside were shown the highly magnified images of planets and stars through our 8 " refractor telescope.

(ii) Shri Atul Mehta of Botany department was deputed by the University to the Training Camp in Dramatics at Simla organized by the Ministry of Education.

9. Co-curricular activities.

(i) *Societies*: The societies of Physics, Chemistry, Botany, Zoology, Mathematics, Statistics and Geography arranged a large number of lectures, reading of papers by the students and members of the staff, discussions and seminars on various subjects. A Symposium on " The Atom " was organized under the auspices of the Chemical Society on the 12th July, 1954 at which the Vice-Chancellor presided and at which Professor Suresh Sethna spoke on the structure of the atom and Dr. D. V. Gogate on atomic energy.

(ii) *Educational Tours*: A tour to Dehra Dun, Mussorie, Simla, Delhi, Agra etc. was undertaken by advanced students of the Botany department under the guidance of Dr. V. G. Phatak in October-November, 1954 to study the flora of these places. The senior B. Sc. students of Zoology department were taken on an excursion by Shri V. C. Shah to Dwarka, Okha and other islands in the month of December, 1954 for study and collection of marine Zoological specimens. Some members of the Chemical Society accompanied by Shri M. M. Shah went on a three weeks' educational tour and visited places of technical and general interest at Jamshedpur, Calcutta, Sindri, Dhanbad, Delhi, Bombay etc. A survey trip to Mount Abu for Geography students was led by Shri C. M. Gupta. The Statistics students went to Ahmedabad to see the Statistical Section of ATIRA.

10. Tutorial and Class work.

Tutorials marks are counted to the extent of 20% in theory and 25% in practicals at the final examination. Tutorials in all subjects were regularly taken and the records were maintained and submitted to the University. Students were regularly informed about their marks in these tutorials. The attendance at the tutorials was good and the students are taking their tutorials seriously. It has been found, however, that the marks in the tutorials examinations in some subjects in certain classes are much lower than the corresponding marks in the University examinations, which means that the students should be still more regular and serious for the tutorials.

11. Other important events.

(i) *Session of the Indian Science Congress at Baroda*: The forty-second session of the Indian Science Congress was held in Baroda in the first week of January 1955 under the auspices of the University. Shri Jawaharlal Nehru, the Prime Minister of India, inaugurated the session and opened the special Exhibition of Scientific Instruments and Industrial Equipment arranged for the occasion. A large number of foreign Scientists which included two large contingents from China and U.S.S.R. attended. The programme, lasting for a week, included the reading of papers in the sections, joint discussions and seminars, popular lectures, entertainment programmes, tours, etc. About 2000 delegates attended. Students and members of Faculty of Science helped the organization in various capacities as volunteers, sectional secretaries, members of the different committees etc. Professor Suresh Sethna worked as one of the local secretaries and as the Convener of the Souvenir Volume Committee. Dr. N. M. Bhatt worked as the Treasurer.

(ii) *Sports, N.C.C., Drama, Debates etc*: The student of the Faculty took part in the debates organized by the Union. Shri Gopinath Menon secured a prize in the Inter-Faculty debating contest.

One of the students of the Faculty, Shri C. D. Patel, played

in the Ranji Trophy Tournament for All Baroda and four students of the Faculty found places in the University. Cricket Team. Badminton has been a popular game in the Faculty and the Faculty won the Professor A. R. Wadia Trophy for the second time in succession. The Hockey Team of the Faculty won the championship in the Inter-Faculty Hockey Tournaments. Several of the players found places in the University Hockey Team.

Two of the students of the Faculty played for the University in the Inter-University Tennis Tournaments.

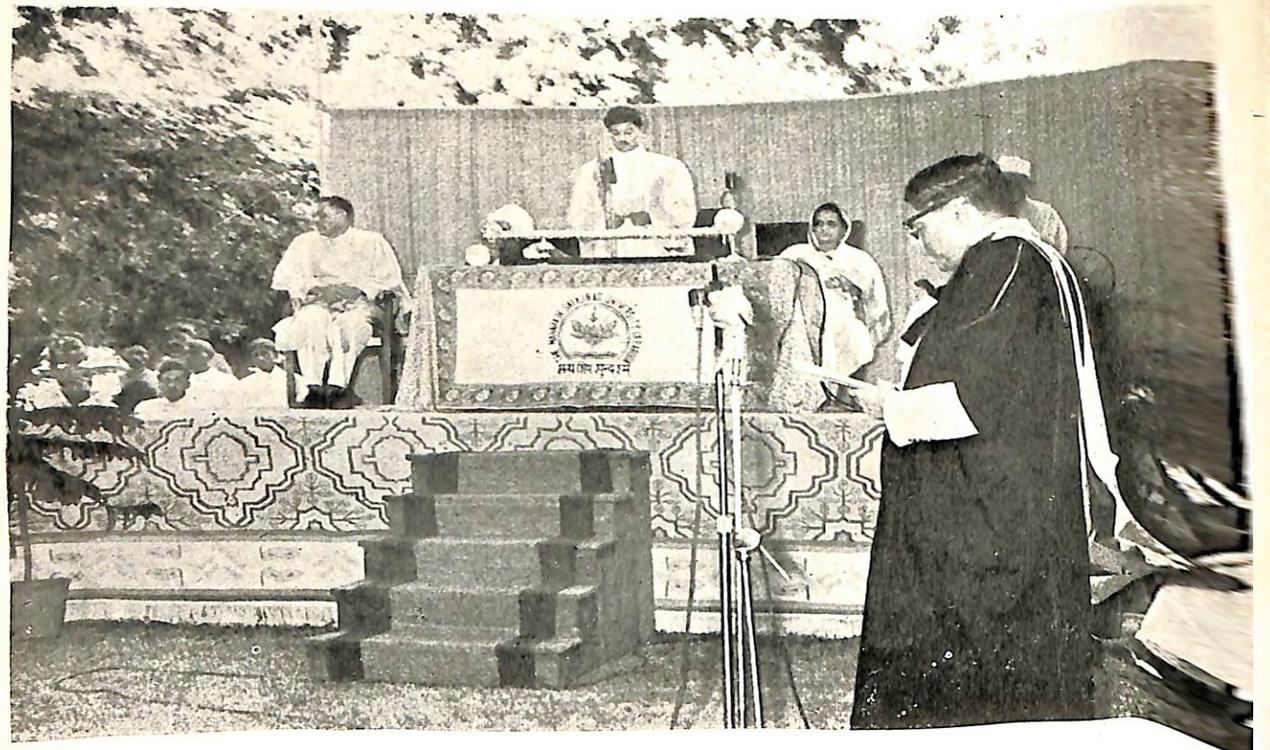
In the Inter Faculty Drama Competition, the drama staged by the students of the Faculty won the first place and secured the Trophy.

N.C.C. Cadets of the Faculty did very well; Shri K. P. Mehta and Shri A. K. Pathak of the Faculty secured Commissions in the Indian Army.

Students of the Faculty helped in the management of the Canteen in the Common Room. They worked as volunteers in the Science Congress and joined the Social Service Camp at Sankheda.

(iii) *Chancellor's Gold Medal*: Shri Vinod C. Shah of Zoology department was awarded the Chancellor's Gold Medal. He also secured the Rotary International Scholarship for studies in U.S.A. for one year.

(iv) *Return of teachers after study tours*: Dr. J. S. Dave of the Chemistry department and Dr. N. S. Pandya of the Physics department, who were deputed for higher studies in their subjects to London University, returned during the year after doing good research work and after securing the Ph. D. degrees of London University. Dr. C. M. Mehta of the Chemistry department, who had gone for a year to Imperial College of Technology, London, returned after securing the Diploma of the College. Dr. J. C. George, Head of Zoology Department, who had been to U.S.A. as Fulbright and Smith Mundt Scholar for a year, returned during the year after doing good research work in U.S.A. and after a tour on the continent.



Fourth Annual Convocation : 17th October, 1954.

CHAPTER X—(A) FACULTY OF EDUCATION AND PSYCHOLOGY

1. Buildings.

The Faculty continued to be housed in the same building. With the development of the University Experimental School into an institution with all the secondary and primary classes and the starting of the department of Psychology and its expansion with the B.A. and M.A. classes, the post-graduate and other items of research programmes, the accommodation problem is now quite acute in the Faculty. A programme of guidance for the University students and others which has been worked out is held up because of want of space.

2. Courses of Studies.

The Faculty provides the following courses of study :

(a) Post-graduate courses leading to —
- (i) Ph.D. degree in Education and Psychology
- (ii) M.Ed. degree by papers and dissertation
- (iii) M.Ed. degree by thesis
- (iv) M.A. degree in Psychology
- (v) B.Ed. degree.

(b) Graduate courses :
B.A. (Special) degree in Psychology.

(c) Diploma Courses :
Diploma in Teaching.

(d) Certificate Courses :
Certificate Courses in Hindi and Physical Education for the B.Ed. and T.D. students.

In addition to the above, the Faculty teaches the following courses in Education and Psychology in the different Faculties as under :

Faculty of Arts

(1) Education courses to the students who have taken Education as a Subsidiary subject for the B.A. (Special) degree.

(2) Psychology courses to the students who have taken Psychology as a Subsidiary subject for the B.A. (Special) degree.

(3) Social Psychology to the students who have taken Sociology as the Principal subject for the B.A. (Special) degree.

(4) Social Psychology to the students who have taken Sociology for the M. A. degree.

(5) Psychology courses to the students who have taken Philosophy for the M. A. degree.

Faculty of Home Science :

(1) General Psychology to the students of the second year of the B.Sc (Home) course.

(2) Education courses in the third year of the B.Sc. (Home) Class to the students who have Home Science Education as their major subject.

Faculty of Fine Arts :

(1) General Psychology to the students of the B.A. (Fine Arts) degree course.

(2) Education courses to the students who do the M.A. degree in Art Education.

(3) Psychology courses to the students who do the M.A. degree in Art Education.

Intermediate College :

(1) General Psychology to the students of the Intermediate Arts class.

3. Number of Students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :—

Class	*Men*	*Women*	*Total*
Ph.D. (thesis)	8	—	8
M.Ed. (thesis)	4	—	4
M.Ed. (by papers) Sr.	14	—	14
M.Ed. (by papers) Jr.	14	3	17
M.A. (Psy.) Jr.	2	2	4
B.Ed.	92	8	100
B.A. (Special) Sr.	3	6	9
B.A. (Special) Jr.	8	10	18
T.D.	28	6	34
	173	35	208

4. Staff.

During the year under report, the staff of the Faculty consisted of 1 Professor, 1 Reader, 8 Senior Lecturers,6 Junior Lecturers, 2 Part-time

Lecturers, 1 Tutor, 2 Research Assistants, 6 Class III and 7 Class IV servants.

5. Library and Reading Room.

The Faculty has a well-equipped library. It contains over 11,000 volumes and affords facilities for research in the subjects of Education and Psychology. There are also a large number of books of general interest. The library is kept up-to-date by regular additions of fresh publications in the subjects of Education and Psychology. The library subscribes about fifty periodicals.

According to the recommendation of the Board of Visitors of the Faculty, the open-shelf system was introduced in the library in the beginning of the academic year, and a graduate librarian was appointed there. Experience during the year has shown that this system had a salutary effect. Since the students have not to depend on the issue of books by a clerk and since they have access to the open shelf, the library is always crowded because students go there whenever they get a period off in the day.

The following are the figures showing average daily attendance and circulation of books :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Reading Room and Library daily :	165
2.	Average number of teachers making use of the Reading Room and Library :	12
3.	Total number of books issued to students during the year :	1,806
4.	Total number of books issued to teachers during the year :	306

The following figures show the stock and expenditure on Library and Reading-room :

Sr.No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	10,835	27,869 10-9
2.	Books written off during the year	—	—
3.	Books added during the year	278	1,849-8-6
4.	Books as on 30-6-1955	11,113	29,719-3-3
5.	Journals subscribed during the year	58	699-2-0

Sr.No.	*Particulars*	*Number*	*Cost in Rs.*
6.	Amount spent on binding during the year	—	99-0-0
7.	Total amount spent for Library and Reading-room during the year	—	2,647-10-6

6. Museum and Laboratories.

(a) *Museum*: The Faculty Museum contains a large collection of teaching aids which could be used as illustrations in the class rooms by the teachers while teaching. This collection was substantially increased during the year by the addition of more than 80 articles consisting of pictures, charts, models, maps etc. which could be used as illustrative aids in teaching different subjects. A good number of these articles were prepared by students who made them under the guidance of the members of the staff. Every student under training prepares a set of illustrative aids to teach a topic or series of topics under the project scheme of the Faculty. The projects of the year included also the collection of information for preparing books for children between 12 and 16 years.

There are now about 1,680 articles in the museum. There are also aids for audio-visual instruction including a 16 mm. sound projector. The following table shows the cost of the articles in the museum :—

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954 Rs.*	*Cost of equipment written off during the yeor Rs.*	*Cost of equipment added during the year Rs.*	*Cost of equipment as on 30-6-1955 Rs.*
1	Museum	2,461-4-6	—	Rs. 465-15 6	2,927-4- o

(b) *Psychological Laboratory*: The Psychological Laboratory of the Faculty is one of the best laboratories in the country. It is equipped with a rich collection of precision instruments required for psychological experiments. There is a separate section dealing with mental tests and this includes most of the modern material required for psychological testing. The laboratory provides ample facilities for research in Education and Psychology. It remains busy throughout the day as it is continuously used by B.A., M.A., and M.Ed. students for investigations of psychological and educational problems. The laboratory needs more space; a guidance Laboratory, a testing and interview room are badly

needed. A guidance programme for University students and others is held up because of the want of these facilities of accommodation. The following table shows the cost of equipment in the laboratory :

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954 Rs.*	*Cost of equipment written off during the year Rs.*	*Cost of equipment added during the year Rs.*	*Cost of equipment as on 30-6-1955 Rs.*
1	Psychological Laboratory	27,476-11-6	—	4,533-0-9	32,009-12-3

7. Publications by the members of the staff.

The following were the publications of the members of the Staff during the year 1954-55 :

(i) *Articles or papers* :

S. No.	*Name*	*Title*	*Where published*
1.	Dr. S. N. Mukerji	Practical work in Teacher Education	Journal of Education and Psychology, January, 1955.
2.	Shri D. G. Apte	Linguistic Priority in Education	The Educator, January, 1955.
3.	Shri T. P. Lele and Shri P. K. Dongre	Experimental Work in Sanskrit Dictation	Journal of Education and Psychology, April, 1955.
4.	Shri L. J. Bhatt	(a) Training within Industry, Baroda Project	Journal of Education and Psychology, January, 1955.
		(b) Measurement of Ability to judge Poetry	Education and Psychology, April-June, 1955.
5.	Shrimati P. Phatak	Psychological Research—Its Past, Present and Future	Proceedings of the Indian Science Congress Association, 1955.

(ii) *Books :*

S. No.	*Name*	*Title*	*Name of the publisher with month of publication*
1.	Faculty of Education and Psychology	(1) Home Science in Secondary Education	Faculty of Education and Psychology, October, 1954.
		(2) A Test of Clerical Aptitude	Faculty of Education and Psychology
2.	Faculty of Education and Psychology in collaboration with the Faculty of Home Science	(3) બાળકોની આવાપીવાની ટેવ	Faculty of Education and Psychology, October, 1954.
		(4) તમારાં બાળકોને શિસ્ત કેવી રીતે શીખવશો ?	Faculty of Education and Psychology, March, 1955.
3.	Professor T. K. N. Menon	Social Intelligence Test	Faculty of Education and Psychology
4.	Professor T. K. N. Menon and Dr. M. S. Patel	A Handbook for Teachers to teach English through the Structure Method	Acharya Book Depot, Baroda
5.	Shri T. P. Lele	A General Knowledge Test	Faculty of Education and Psychology

8. Other literary and cultural activities.

(1) *Extension Services in Training Colleges* :

In October, 1954 the Ministry of Education, Government of India appointed Professor T. K. N. Menon as a member of the Planning Committee to formulate plans for starting Extension Services in Training Colleges in the country. The Committee met a number of times and their plans were discussed at a Conference of Training Colleges held at Hyderabad in December, 1954. The proposals of this Conference were further scrutinized by the Planning Committee and on their recommendation, a number of Training Colleges were selected to organise Extension Programme in the field of in-service-training of teachers. The three year programme of Extension Services of the Faculty costing about Rs. 2 lakhs was sanctioned by the Ministry. Dr. S. N. Mukerji and Dr. D. M. Desai were appointed as the Co-ordinator and Assistant Co-ordinator of Extension Services and they along with Professor T. K. N. Menon, the Director of the Services, attended a Seminar on the subject organised by the Ministry of Education at Srinagar during the last fortnight of the year under report.

(2) *Vocational and Educational Guidance Project :*

The research project on Vocational and Educational Guidance for which the Government of India had given during the previous year a grant under the First Five Year Plan received Rs. 7,600/- as grant-in-aid during the year under report. Shri J. A. Bhagatwala and Shri G. P. Bhatt continued to work as Research Assistants in the Project. The following were the major items on which the work was going on during the year :

1. Construction and standardising of a Group Test of Intelligence
2. Construction and standardising of a Psychological Test for new entrants to the University
3. Finding out Norms for Minnessota Manual Dexterity Test
4. Construction of a Clerical Aptitude Test
5. Construction of a Test of Social Intelligence
6. Finding out Norms for a Battery of Performance Tests
7. Construction of Tests to diagnose disabilities in subjects like Mathematics
8. Revision of Berneuter's Personality Inventory
9. Job-analysis of jobs in chemical works—with job-description and training needs.

(3) *Meetings of Headmasters of Local Secondary Schools* :

Two meetings of Headmasters of Secondary Schools in the city were held in the Faculty to discuss (1) the University programme of starting the Preparatory Course to be followed by the Three Year Degree Course and (2) how to improve the results at the S.S.C. Examination. The Vice-Chancellor, the Pro-Vice-Chancellor and the Dean of the Faculty explained the University programme and showed how the schools could help in improving standards of attainment of secondary school leavers.

(4) *Section of Gandhian Literature in Faculty Library :*

A section devoted to Gandhian literature was started in the library with the purchase of books worth Rs. 276/-. Shri T. S. Avinashlingam

Chettiar, M.P., who delivered a course of three lectures on " Some Trends of Basic Education " donated the amount paid to him for delivering the lectures with a request that the amount might be utilised to start this section in the library.

(5) *Training within Industries* :

The Department of Psychology in co-operation with the Federation of Gujarat Mills and Industries was engaged during the year on the work of ' Training within Industries '. This involved a supervisory training comprising of three courses—job matters, job relations, job instructions. The work of training in Baroda Industries was conducted by Shri L. J. Bhatt. Dr. Jivraj Mehta, Minister for Finance, Prohibition and Industries, Bombay State inaugurated " Training within Industries Association " on the 14th July, 1954.

(6) *Extension Services of the Department of Psychology* :

(a) The Department of Psychology assisted the Gujarat Research Society which requested its aid in making an intellectual survey of the Dublas in Surat District. Shri T. P. Lele along with two research assistants camped at Maroli, administered performance tests of intelligence, made a statistical analysis of the results and presented a report to the Society.

(b) Shri T. P. Lele administered a test of General Knowledge to all the students in the final year degree classes of the Faculties of the University and presented the University and the Faculties a report on the subject.

(7) *Journal of Education and Psychology* :

The Journal of Education and Psychology continued to be edited by Professor T. K. N. Menon. A Special number of the Journal containing the detailed programme of Home Science in Secondary Education was published for the benefit of the secondary schools which wanted to introduce the subject in their schools.

(8) *Seminar on Teaching in Colleges* :

A Seminar on Teaching in Colleges was arranged in the Faculty from the 13th to the 21st November, 1954, under the instruction of the University to discuss the problems of teaching and learning in college classes. This seminar was attended by about thirty teachers belonging to the different Faculties of the University. All the participants appreciated the

importance and utility of the Seminar which were stressed by Shrimati Hansa Mehta who inaugurated it. The Seminar discussed problems like the psychology of the college student, methods of teaching, tutorial work, training of memory, how to make teaching effective in large classes, etc.

(9) *Seminars on Psychology and Psychiatry and Preparation of Text Books and Lectures on General Education* :

Dr. Louis English, Fulbright Professor of Psychiatry, held a three day Seminar in the Department of Psychology on Psychology and Psychiatry. Dr. J. Smith, Professor of Education, University of Southern California conducted a similar Seminar for three days on Preparation of Text Books for Schools. Dr. D. N. Bigelow, Fulbright Professor of History delivered a course of three lectures on General Education in American Universities.

9. Co-curricular activities.

(*i*) *Faculty Club*

The Faculty Club organised—

(a) periodical lectures and discussions on educational topics by educationists, elocution competitions, a symposium on "The Problem of Discipline in Secondary Schools" with the co-operation of the old students' association, a group discussion with students from the University of South California on the educational system in their Universities.

(b) tournaments and competitions in games like volley ball, ping-pong, badminton and in athletics.

(c) celebrations of Gandhi Jayanti, Tagore Jayanti and other days of national importance.

(d) excursions of Education students to Chhota Udaipur to participate in the Community Project work in that area.

(e) variety entertainment programme and social evenings.

(ii) *Psychological Society :*

The members of the staff and students of the Department of Psychology organised during the year the Psychology Society which carried out useful programme of lectures and discussions of problems of psychology which have a bearing on present day life. Besides the above and programmes of entertainment, the members of the Society organised an

excursion to Delhi and other places in North India and visited psychalogical laboratories, clinics and vocational guidance bureau.

(iii) *The Old Students' Association :*

The activities of the Old Students' Association of the Faculty during the year consisted of the lending of books from its collection to deserving and needy students, the arranging of an At Home to the new graduates at the time of the Convocation and running of a Sunday Club for the old students. The Association decided to prepare a directory of all old students and started collecting the necessary data for the same.

10. Tutorial and Class work.

(i) *Tutorials :*

The students of the different classes met their tutors for tutorials in batches of two or three at least twice a month. The tutors discussed with them their library work, essays, progress in theoretical and practical parts of their studies, their participation in social functions, co-curricular activities, etc. They were also given advice in regard to their personal matters, whenever it was sought. In assessing the class record, the above mentioned items, the performance at the terminal examination, term papers and periodical tests were all taken into consideration.

It has been found that the tutorial system followed in the Faculty is very helpful in guiding students in their studies, in checking up their regularity and sincerity in work, in directing their energies in the proper direction and urging them to activities helpful to the betterment of their future.

The Faculty pursued the examination reform it introduced two years ago. Besides the credit given to class record which as stated before is systematically assessed, the examination papers set at the terminal and university examinations are composed of essay type of questions and short answer questions, the one testing the powers of logical thinking and comprehensiveness of understanding and the other making examinations more objective and removing the chances of cramming up a few items to secure a pass at the exmination.

The Faculty continued the system of discussion of methods of instruction introduced last year. According to this system a good portion of the prescribed course in each paper is done purely by discussion of the problems by the students where the teacher acts as a guide. Lectures on the remaining portion are also followed by discussion wherever possible.

(ii) *Practice Teaching :*

According to the revised syllabus of B.Ed. course, the students were required to do two thirds of the practical work in secondary schools and the remaining one third in primary and pre-primary schools. These lessons were spread out in a dozen secondary schools and nine primary and pre-primary schools. The Faculty introduced also a system of practice teaching in rural areas.

(iii) *Field Work :*

Introduction of new optional subjects in the B.Ed. course required a good deal of planning and organising of field work by the members of the staff of the department of Psychology. The field work for B. Ed. students was organised in the fields of Experimental Education, Education of the Handicapped Child and in Educational and Vocational Guidance. Similar field work was organised for the M.Ed., M.A. (Psychology) and B.A. (Psychology) students according to the nature of the practical project which they chose for study.

11. Visitors and Lectures.

The Faculty had a number of distinguished visitors during the year. The chief among them were :—

1. Sir V. T. Krishnamachari, Deputy Chairman, Planning Commission, Government of India
2. Mr. H. F. Corbin, President, University of Wichita, Kansas, U. S. A.
3. Mr. S. E. Hodgson of the British Council
4. Shri T. S. Avinashilingam Chettiar, M. P., Ex-Minister of Education, Madras State
5. Academician K. V. Octrovityanov, Leader of the U. S. S. R. delegation to the 42nd Indian Science Congress
6. Academician A. A. Guber, Deputy Leader of the above delegation
7. Professor W. H. Pearsall, U. K. delegate to the 42nd Indian Science Congress
8. Dr. Sin-itiro Momonaga, Japanese delegate to the 42nd Indian Science Congress
9. Mr. H. R. Mills, U. K. delegate to the 42nd Indian Science Congress
10. Dr. J. D. M. Verasluys, Unesco delegate to the 42nd Indian Science Congress

11. Dr. John Guy Fowlkes, Educational Consultant, Ministry of Education, Government of India.
12. Dr. C. S. Liddle, Chief Educational Adviser, T. C. M. to India, American Embassy, New Delhi
13. Dr. Handershot, Ford Foundation
14. Dr. E. P. Link, Fulbright Professor, Annamalai University
15. Dr. J. Smith, Professor of Education, University of South California.

Among the visitors, Mr. S. E. Hodgson, Shri T. S. Avinashilingam Chettiar, Dr. John Guy Fowlkes, Dr. Liddle, Dr. Handershot, Dr. Link and Dr. J. Smith delivered lectures in the Faculty.

12. Other important events.

(1) *Third All-India Conference of Training Colleges in India* :

On the invitation of the Osmania University, the Third All-India Conference of Training Colleges in India, was organised at Hyderabad in November 1955. Shrimati Hansa Mehta was elected as the President and Professor T. K. N Menon as the Executive Secretary of the Association for the fourth time. Dr. S. N. Mukerji and Shri H. Fernandes of the Faculty also attended the Conference.

(2) *Membership of All India Council of Secondary Education* :

Professor T. K. N. Menon was nominated by the Union Ministry of Education as a member of the All-India Council of Secondary Education to represent the Teachers' Colleges in India.

(3) *President, Section of Psychology and Educational Science, Indian Science Congress* :

Shri L. J. Bhatt was elected as the President of the Section of Psychology and Educational Science of the 43rd Session of the Indian Science Congress to meet at Agra in 1956.

(4) *Advanced Studies in Educational Administration in U.S.A.* :

Dr. S. N. Mukerji who was pursuing advanced studies in Educational Administration in the Teachers' College, Collumbia University, rejoined duties after obtaining the doctorate degree in the subject.

(5) *Advanced Studies in Psychology in U.S.A.* :

Shri A. S. Patel, Lecturer in the Faculty, who was awarded a Teaching Assistantship by the Wisconsin University continued his advanced studies in Psychology in the University. He attended the annual meeting

of the American Psychological Association and contributed a paper dealing with his research in the University.

(6) *Conference of Specialists in Education and Psychology* :

Professor T. K. N. Menon was invited by the Union Ministry of Education to a conference of specialists in Education and Psychology convened by them to discuss the problems of vocational and educational guidance.

(7) *Attendance at Seminar on Vocational and Educational Guidance* :

Shri T. P. Lele, Shri L. J. Bhatt and Dr. T. V. Srinivasiah of the department of Psychology attended the seminar on Vocational and Educational Guidance held in Delhi in October, 1954.

(8) *Attendance at the Seminar on Secondary Education* :

Shri K. S. Yajnik, Principal, University Experimental School, attended the seminar on Secondary Education for Headmasters and Educational Inspectors organised by the Ministry of Education at Mahabaleshwar in October, 1954.

(9) *Attendance at Seminar on American Institutions and Culture* :

Dr. T. V. Srinivasiah of the department of Psychology attended a seminar on American Institutions and Culture from the 2nd May to the 27th May, 1954 organised at Bangalore by the United States Educational Foundation in India.

(10) *Lectures and Discussions at the Refresher Course for Secondary School Teachers* :

Shri D. G. Apte and Dr. M. S. Patel delivered a course of lectures in Education and Educational Psychology and arranged discussions at a Refresher Course for Secondary School Teachers held at Anand in November 1954.

(11) *Post-graduate Training in Basic Education* :

Shri S. M. Divekar, Lecturer in the Faculty, was deputed to undergo a five months' post-graduate training in Basic Education at the Ramkrishna Basic Training College, Periyanaickenpalayam, Coimbatore.

(12) *Attendance at Workshop on Secondary Education* :

Shri J. J. Mody, Tutor of the Faculty attended a two months' workshop on Secondary Education organised at Udaipur by the United States Educational foundation in India.

(B)—UNIVERSITY EXPERIMENTAL SCHOOL

1. Buildings.

The School continued to be housed in the ground floor of the buildings of the Faculty of Education and Psychology. The school has a workshop and a canteen, and an Open Air Theatre is under construction, The School has excellent open space for sports, and land for children's gardening.

2. Courses of Studies.

The school has two sections *viz.* Primary from standard I to IV and high school for standard V to XI. In the primary section instruction is given according to a well-planned activity-programme. In the high school stage the curriculum prescribed by the Bombay State Education Department is followed supplemented by several co-curricular activities and hobbies. The school prepares the students for the S.S C. Examination of the Bombay State. Besides the normal eight subjects for the S.S.C., provision is also made for teaching of several other subjects like Drawing, Painting, Music, Civics and Hindi.

3. Number of Students.

The total number of pupils in the School at the end of the year under report was 242 Boys and 154 Girls, Total 396.

4. Staff.

The staff consisted of the Principal, 16 teachers, 1 part-time Art Master, 1 P.T. Instructor, 1 Craft-teacher ; 3 Class III and 6 Class IV servants.

5. Library and Reading Room.

The School has a well-planned Library. To its stock of 7,014 books in the beginning of the year, were added 842 books during the year at a cost of Rs. 1250. 22 periodicals were subscribed at a cost of Rs. 260. The School Library has mainly books useful to children. The staff use the Faculty and the University Libraries. The School continues to have the system of class Library which fosters the habit of reading for supplementary information or for leisure. The children also visit the Central Library, Baroda and the University Library to gather more information for their project work. They have made a useful collection of newspaper cuttings on various subjects which adds substantially to their reading material. The Project method has served as a healthy incentive

to the inculcation of reading habits in children. Preparing book and periodical-reviews and reading them before the School Assembly also helps the children in the same direction.

6. Other activities by the members of the staff.

(i) Study Circle and staff Seminars : On every Saturday, at the seminars, discussions were held on day-to-day problems of teaching, or papers were read out on educational topics, or books and periodical reviews were read out. Organising school library, interpretations of Sociograms, group work in the school time-table, strikes in schools were some of the topics thrashed out at the staff seminars.

(ii) Shri N. P. Parikh of the school staff attended the USEFI workshop at Udaipur. Two other members—Kumari E.S.W. Christian and Shri C. C. Bhaiya attended the A.C.C. Officers' Camp at Khadakwasla. Shri C. C. Bhaiya led the expedition to the Milam Glacier in the Himalayas. This was organised by the M. S. University Union.

(iii) Principal K. S. Yajnik attended the Mahabaleshwar seminar of Headmasters and piloted three important Committee reports on " Examination Reform in Secondary School, " " Educational Guidance in Schools " and " Objectives of Secondary Education in India. " He gave a demonstration of a " Project in teaching " at the seminar. His article on " Financing Secondary Education " is published in the Nutan Shikshan. He also participated in the Gujarat Youth Congress Tour of the Five Year Plan Projects. Kumari Bapsy Mehta contributed an article on " Children's Notebooks " to a Shillong Educational Journal.

(iv) Besides the use of Sociograms and some reading tests that were administered last year, pupils' autobiographies, interest tests and personality ratings are now needed to make Cumulative Record of each pupil more meaningful and useful.

7. Co-curricular activities.

(i) AIR programmes by children : School children gave four AIR programmes comprising of musical features and a Children's Jury. All these were much appreciated by the young listeners of " રંગ રંગ વાદળિયાં. " Two programmes were broadcast from the school premises.

(ii) One of the pupils of the S.S.C. class participat in the essay competition held by the Bombay Humanitarian League for the S.S.C. students of the Bombay State and won a prize.

(iii) Excursions and study tours were arranged to Ajanta, Elora, Sanchi, Indore, Ujjain, Abu, Patan etc. These were always followed by instructive exhibitions and follow-up discussions.

(iv) *Social work programmes* :

(a) A one day camp at Saiyad Vasna in October 1954 was thrilling experience for children. It began with a programme of cleaning the dirty places, decorating and white-washing the "धर्मशाळा" and the small temple of the place, visiting the residences of the village and distributing medicines, arranging an exhibition. All this finally culminated in a film show in the evening and a cultural programme in which the school children and the village children took part. The article on "Saiyad Vasna Camp" has found its place in the Educational Quarterly, March, 1955 (Ministry of Education, Government of India).

(b) The pupils in the A.C.C. participated in the Warashia lines shibir where they applied themselves to road building and the cleaning of the slums.

(c) Digging the foundation of Harijan Hutments and cleaning their campus was a piece of work which the children did on Gandhi Asthi Visarjan Day and Gandhi Jayanty Celebrations.

(d) A Cultural programme for the pupils was arrynged on the Republic Day in the school gardens.

(v) The Career Information Centre of the school continues to render useful service to the pupils.

(vi) *Cultural Programmes and Celebrations:* Besides celebrating and observing occasions like Tilak or Tagore Day or Gandhi Jayanti, the pupils organised orientation programmes in which the 'new' children chiefly participated. This enabled the new to mix freely with the old. This also helped the teachers in their observaion of the new pupils. Parents' meetings were held and reports on suggestions for follow up work were distributed. The Annual Social with Shrimati Hansa Mehta, Vice-Chancellor, as the chief guest, was a fitting culmination of the year's cultural activities.

(vii) School broadcasts and film shows specially of scientific, historical or cultural importance were organised.

(viii) Sabha and Samiti and the Co-operative Stores of the children continue to do excellent work in training children for democratic citizenship. The poor boys' library which is called "Boys' Own Library" did useful work during the period under report.

8. Special features of the year.

(i) Projects in Science, Social Studies and literature were undertaken during the year under report—all of them have added a lot to our museum through various models, pictures, maps and charts etc. "Water" project in Science is selected for publication in the Educational Quarterly of the Government of India, as one of the best specimens of a thoroughly planned and well executed project.

(ii) Examination Reform : Assignments and periodical tests continue to have their due importance in the assessment of pupil's progress and annual promotions. It is felt, however, that oral work of the pupil is grossly neglected, whereas this important ability of the pupil to communicate information and exchange of views is almost the pivotal point of his successful career in life. Therefore oral work has been given its proper place and the children have to come up to the required standard in oral work before they can be permitted to appear for the written examination. The chance element in promotions is thus minimised. Progressives are now decided on (1) the pupil's performance in tests and assignments throughout the year, (2) his oral work—ability to read, recite and communicate information and (3) the annual written examination.

(iii) Medical Inspection and Health Service : The school organised a First Aid Unit with two teachers in charge of it. Parents were invited at the medical inspection. Parent-teacher-doctor conferences and follow-up work were organised. The school distributed tonics and extra milk-powder to the weaker children and gave free clothes and books to deserving poor children, with the help of the UNICEF.

9. Distinguished visitors.

Dr. John Guy Fowlkes, Educational Adviser, Ministry of Education, Government of India, New Delhi and Shri T. S. Avinashilingam, M. P., Ex-Minister of Educa tion, Madras State were the chief guests amongst the many distinguished guests who visited the school.

CHAPTER XI—FACULTY OF COMMERCE

1. Buildings.

The Faculty of Commerce occupies the Western wing of the Baroda College building. It has three big and four small halls for the use of classes in compulsory and optional subjects respectively. The small halls when not required by the Faculty are used by the other Faculties. Out of the two halls built in 1952-53, one is used by the First Year Commerce class. In addition, the Faculty has an office room, a teachers' common room, a room for the Dean and a few small rooms for the use of the teachers.

2. Courses of Studies.

The Faculty prepares students for the B.Com. and the M.Com. degree examinations. The course of studies for the Master's degree in Commerce includes the following subjects, *viz.*

(a) *Compulsory Subjects :*

(1) Advanced Economic Theory

(2) Organized Markets

(b) *Optional groups out of which the candidate can choose any three :*

I (a) Advanced Statistics

(b) Econometrics

II (a) International Banking and Foreign Exchange Problems

(b) Corporation Finances

III (a) Economics of Agriculture with special reference to India

(b) Organized Industries with special reference to India

IV (a) Trade

(b) Transport

V Advanced Accounting

VI (a) Cost and Management Accounts

(b) Law relating to Industrial Relations and Income-tax.

The Faculty at present gives instruction to the students in the compulsory group and in groups No. II, III and IV only.

In the courses for the B.Com. degree examination there are in all ten papers of which eight papers are compulsory and two papers are included in each group of the following optional subjects :

1. Banking, 2. Advanced Accounting and Auditing, 3. Cotton Industry, 4. Advanced Statistics, 5. Co-operation, 6. Public Finance and Administration, 7. Transport, 8. Actuarial Science.

Out of these groups the Faculty provides instruction in the first six.

The post-graduate Diploma course in Banking consists of the following subjects :

1. Organization and working of Banks, 2. Commercial and Banking Law, 3. Theory and Practice of Foreign Exchanges, 4. Organisation of Commerce, and 5. Accountancy and 6. Viva Voce test.

Admission is open only to graduates in Commerce and Arts graduates who have specialised in Economics. The Central Bank of India Ltd. and the Bank of Baroda Ltd. have kindly agreed to allow their Officers to meet the students frequently for talks on Practical Banking. Accordingly Shri V. C. Patel, Agent of the Central Bank of India Ltd., Ahmedabad Branch gave six lectures during the session 1954-55 to the Diploma students on various aspects of banking practice. Similarly, Shri A. D. Dixit, Shri N. D. Pathak, Shri Maganbhai Parikh, Shri J. S. Parikh and Shri P. V. Shah of the Bank of Baroda Ltd. gave talks to the students on the various aspects of banking practice. The Agent of the Imperial Bank of India, Baroda Branch, also gave talk on 'Advances' to the students. Shri C. V. Subramanium, Chief Accountant, Dena Bank, Bombay also delivered a series of five lectures on 'Advances—various types and control'.

The Faculty has started instruction in Diploma in Co-operation from June 1954, where only those who have passed the S.S.C. Examination and have, in addition, served in a Co-operative Institution for at least three years, and those who have passed the Intermediate examination in Arts, Commerce or Science of the University or any other recognised University are admitted. The subjects prescribed for the examination in the Diploma in Co-operation are as follows :—

1. Principles and Practice of Co-operation, 2. History of Co-operative movement in India and Abroad, 3. Book-keeping, 4. Elements of Secretarial Practice and Co-operative Law, 5. Elements of Civics and Economics and 6. Elements of Banking

3. Number of Students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :

Class	*Men*	*Women*	*Total*
Dip. Co-op.	29	—	29
B. Com. Jr.	85	2	87
B. Com. Sr.	72	1	73
M. Com. Jr.	9	—	9
M. Com. Sr.	9	—	9
Dip. Bank.	13	—	13
Ph. D.	1	—	1
	218	3	221

4. Staff.

During the year under report, the staff of the Faculty consisted of 1 Professor, 2 Readers, 3 Senior Lecturers and 3 Junior Lecturers. Two of the Junior Lecturers' posts which were created in 1953-54 were filled up in July 1954. Teaching work in English was done by two Senior Lecturers and one Junior Lecturer in English of the Faculty of Arts. Work in Statistics was done by a Junior Lecturer in Statistics belonging to the Statistics department of the Faculty of Science. The Faculty had on its staff two more posts of part-time Lecturers for teaching Mercantile Law and Banking Law.

Close co-ordination has been established between the teaching staff of the Economics Department of the Faculty of Arts and of the Faculty of Commerce. Two teachers in Economics of the Faculty of Arts work in the Faculty and four teachers of the Faculty of Commerce work in the Faculty of Arts. Teaching work in the Intermediate, B. A., B.Com., M. A. and M.Com. classes is shared by the two Faculties. In addition, three members of the Faculty of Commerce do teaching work in the Faculties of Technology (including Engineering) and the Home Science.

In the year under review Professor B. R. Shenoy, Director of School of Social Sciences of the Gujarat University was invited as a Visiting Professor for the Faculties of Arts and Commerce jointly. The general subject of his lectures was 'Deficit financing in relation to the Five Year Plan'. Six lectures were delivered on the various aspects of the subject. Professor B. R. Shenoy delivered a public lecture on "The Second Five Year Plan—some problems" on Monday, the 21st February, 1955.

5. Library and Reading Room.

The Libraries and the Reading-Rooms of the Arts and the Commerce Faculties run as a joint library and reading-room, and work from 11-00 a.m. to 5-30 p.m. on all week days except Saturdays. Figures relating to the average daily attendance of the students and the teachers in the reading-room and the library and to the number of books issued to the students and teachers are given below :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the library and the reading-room daily	50
2.	Average number of teachers making use of the library and the reading-room daily	20
3.	Total number of books issued to students during the year	4,500
4.	Total number of books issued to teachers during the year	7,000

The following figures show the stock and the expenditure on the maintenance of the library and the reading-room during the year 1954-55 :

	Particulars	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	8,286	48,980/-
2.	Books written off during the year	—	—
3.	Books added during the year	470	3,810/-*
4.	Books as on 30-6-1955	8,756	52,790/-
5.	Journals subscribed during the year	51	1,250/-
6.	Amount spent on binding during the year	—	—
7.	Total amount spent for Library and Reading-room during the year.	—	5,06c/-

6. Publications by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55 :

(a) *Articles or Papers* :

Name	*Title*	*Where published*
Shri D. K. Shukla	Capital formation in underdeveloped countries	Journal of M.S. University of Baroda, March, 1955.

* Rs. 1,810 were for books on banking.

(b) *Books :*

Dr. H. L. Dholakia	Elements of Commerce in Gujarati, Part I & II	Allies Stores, Baroda, June 1955.

During the year under review the Faculty conducted a comprehensive survey of unemployment in the city of Baroda. The information has since been tabulated and the final results and conclusions are now available. The survey of the effects of Tenancy Legislation in Baroda District, which was undertaken on behalf of the Research Programmes Committee of the Planning Commission, was completed during the session and the information collected has been arranged in a tabular form. The final report was in the stage of completion about the end of the session. The Faculty had submitted a scheme of research in Capital Formation in Gujarat Agriculture. This scheme has been sanctioned and is to be worked jointly with Dr. V. Sunder Rajan's scheme of Survey in Rural Incomes and Savings. Both the surveys will be confined to the Baroda District.

7. Other literary and cultural activities.

(a) *Lectures & Symposium :*

During the session under review the following persons addressed the students of the Faculty on subjects mentioned against them :

Professor D. N. Bigelow	American Foreign Policy
Shri C. M. Shukla	Youth Festival in New Delhi
Principal D. R. Samant	Foreign Capital and the Five Year Plan
Dr. V. Sunder Rajan	Rural Credit Survey Committee's Findings—a critique.

In addition, there was a symposium held on the achievements of the First Five Year Plan in which Dr. K. S. Venkatraman, Dr. S. B. Mahabal, Dr. V. Sunder Rajan, Shri H. C. Malkani and Shri B. G. Shah took part.

(b) *Tours :*

The students of the post-graduate Diploma in Banking went on a study tour to Ahmedabad and Bombay. In Ahmedabad they visited the Central Bank of India Ltd., The Calico Mills, the Ahmedabad Textile Industries Research Association and the Stock Exchange. In Bombay they visited the Central Bankof India Ltd. in which they were given practical training in foreign exchange business for four days. They also visited the Reserve Bank of India and the Hind Cycles Limited.

(c) *Debate :*

Two students of the Faculty—Kumari B. N. Contractor and Shri K. M. Desai took part in the H. H. the Nawab of Rampur Trophy Competition held at Lucknow and won the trophy. Kumari Contractor got in addition an individual championship prize for women. The debate was arranged by the Lucknow University, and was open for competition to the students of Lucknow University and the students of the Faculties of Commerce in India.

(d) *Deputation :*

During the year under review Shri C. T. Shah, Lecturer in Accounts was deputed for practical training in banking to the United Commercial Bank, Bombay for one month. Later, he was deputed to the Bank of Baroda Ltd. for 3½ months and then to the Central Bank of India Ltd., Ahmedabad branch.

8. Tutorial and Class work.

During the session under report, students were given four topics in every subject of their study, and marks out of 20 were allotted to the answers. These were later added to the University examination totals.

9. Other Important events.

Shri B. B. Joshi of New India Industries was the chief guest in the annual social gathering of the Faculty and gave away the prizes for the year 1954-55.

On the morning of the 6th July, 1954, the Post-graduate Diploma Course in Banking was inaugurated by Shri B. Rama Rau, Governor of the Reserve Bank of India. Shriman Sheth Pranlal Devkaran Nanjee, the President of the Indian Banks Association, also attended the function and, later in the day, addressed the students of the Faculty on the problems of Modern Banking in India.

CHAPTER XII—FACULTY OF MEDICINE

(A) MEDICAL COLLEGE

1. Buildings.

The College continued to be housed in the building situated in the compound of the Shri Sayaji General Hospital. No additions and alterations to the main college building were made during the year.

2. Courses of Studies.

The College conducts courses leading to the degrees of M.B.B.S. The University has permitted post-graduate courses to be started and post-graduate teachers in clinical and non-clinical subjects have been recognised since the 15th June, 1954.

3. Number of Students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :—

Class	*Men*	*Women*	*Total*
1st Year	41	11	52
2nd Year	66	10	76
3rd Year	29	7	36
4th Year	27	4	31
5th Year	60	4	64
	223	36	259

4. Staff.

The staff of the College consisted of 5 Professors, 7 Lecturers, 12 Junior Lecturers, 30 Teachers attached to the allied teaching Hospital, 25 Class III and 41 Class IV servants.

5. Library and Reading Room.

The following are the figures showing average daily attendance and the circulation of books :

Sr.No.	*Particulars*	*Number*
1	Average number of students making use of the Library and Reading-room daily	30
2	Average number of teachers making use of the Library and Reading-room daily	10

SMT. MANSA MEHTA LIBRARY * M.S. UNIVERSITY OF BARODA *

Sr.No.	*Particulars*	*Number*
3	Total number of books issued to students during the year	11,823
4	Total number of books issued to teachers during the year	

The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1954-55 :—

Sr.No.	*Particulars*	*No.*	*Cost in Rs.*
1	Books (including back number of Journals) as on 1-7-1954	3,535	48,979/-
2	Books written off during the year	—	—
3	Books added during the year	563	17,786- 9-0
4	Books as on 30-6-1955	4,098	66,786- 9-0
5	Journals subscribed during the year	65	3,155-15-0
6	Amount spent on binding during the year	—	—
7	Total amount spent for Library and Reading Room during the year.	—	20,942- 8-0

6. Museums, Laboratories, Studios, Workshops etc.

The College museums contain the specimens as under :

1	Anatomy (including Comparative Anatomy and Embryology).	Anatomy and Embryology	158
		Specimens	781
		Charts	165
2	Pharmacology	Drugs (including preparations of various firms)	573
3	Pathology	Models	7
		Specimens	1500
4	Preventive and Social Medicine	Models	178
		Slides	400
		Charts	28
5	Forensic Medicine (including Toxicology)	Specimens	72
		Charts	3
		Drugs	113

The following table shows the total cost of equipment in the museums the laboratories and the studios :

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1955*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1.	Museums	2,93,982/-	134-0-0	557-0-0	2,94,405 0-0
2.	Laboratories.	3,92,678/-	5,641-0-0	65,177-0-0	4,52,214-0-0
3.	Studio (Artist)	10,150/-	— —	— —	10,150-0-0
	Total :	6,96,810/-	5,775-0-0	65,734-0-0	7,56,769-0-0

7. Other Literary and cultural activities.

Dr. L. English, M. D. a New York Psychiatrist, Visiting Professor for the year, delivered a lecture on the 4th February, 1955 on 'Relation of Psychiatry to Medicine'.

8. Co-curricular activities.

(a) The IVth year students were taken on an academic tour to Poona in May 1955. They visited the Preventive Medicine section of the Armed Forces Medical College, the Artificial Limb Fitting Centre, the Water Purification Works, the Bairoba Pumping Station for disposal of sewage, the Mental Hospital at Yeravda, the National Chemical Laboratory and the Queen Mary's Technical School for disabled soldiers, Kirkee, Poona. The University contributed Rs. 450/- towards the travelling expenses.

(b) The students of the college participated in the University Week Celebrations and Exhibition from the 14th October, 1954 to the 19th October, 1954.

(c) Annual sports of the College were held in January 1955. The 6th Annual Social was held on the 21st November, 1954. The students organised a variety entertainment. Rajkumari Amrit Kaur, Union Minister for Health was the Chief Guest. Many members of the Indian Council of Medical Research and Indian Association of Pathologists were also present.

9. Tutorial and Class work.

All classes conducted by Junior Lecturers are tutorials.

10. Other important events.

(a) The annual meetings of the Indian Association of Pathologists and the Scientific Advisory Board of the Indian Council of Medical Research and its advisory committees were held on the premises of the College from the 19th November, 1954 to the 21st November, 1954 and the 22nd November, 1954 to 3rd December, 1954 respectively.

(b) The meetings of the Indian Association of Pathologists were inaugurated on the 19th November, 1954 by Shri Shantilal Shah, Minister for Health, State of Bombay.

(c) Rajkumari Amrit Kaur inaugurated the Annual Session of the Scientific Advisory Board of the Indian Council of Medical Research on the 22nd November, 1954.

(d) The Indian Anatomists met for their fourth Annual Meeting on the 29th December, 1954. General S. L. Bhatia inaugurated the conference.

(e) Dr. A. N. de Quadros, Principal, Medical College, Baroda was deputed for 4 months from the 10th September, 1954 to U.S.A. to study recent trends in medical education and hospital administration under a Rockefellor Travel Grant.

(f) Dr. K. K. Bhatt, Professor of Anatomy was deputed to U.S.A. from the 6th October, 1954 for a year for special training in Anatomy under a Rockefellor Foundation Fellowship.

(B) SHETH UJAMSHI PITAMBARDAS AYURVEDIC RESEARCH UNIT

1. Buildings.

The Unit took up charge of the Rasashala building in the beginning of the year. The Department of Botany is collaborating with the Unit to grow a number of medicinal plants on the vacant plot of land near the building of the Unit. The laboratory section of the Unit has been set up for chemical work and the pharmacological screening work on indigenous medicinals.

2. Staff.

During the year under report the staff of the Unit consisted of one Honorary Head, one Senior Research Vaidya, one Junior Research Vaidya, 4 Class III and 4 Class IV servants.

3. Library.

The number of books in the library is 2,006; 281 books, old and new, received from Patan and Sanskrit Mahavidyalaya Baroda were added during the year. 10 Journals were also subscribed.

4. Research.

(a) 17 kinds of metallic substances were subjected to Shodhana in the Rasashala according to selected ayurvedic methods. 11 kinds of bhasmas have been prepared. A note on an anomaly noted during the processing of "Raupya-Vimala" was published and comments invited. Specimen samples of the substances (1) in the crude form (2) after shodhana (3) in the bhasma form have been kept for chemical analysis.

(b) *Prakriti Research*: Vaidya Shri N. M. Pathak and Shri Y. R. Pandit examined 63 first year students, male and female; of the Medical College, Baroda. Out of those the following appeared to belong predominantly to different Prakritis as under: Kapha—15 males, 4 females; Vata—5 males only; Pitta—2 males only. The remaining were mixed Prakriti. Examination of the forms of these students of predominant Prakriti is taken up. Besides the clinical and physical examinations are made as under:

	Performed	*Remaining*
Anthropological measurements	20	1
Cardiac Resp. efficiency test	20	1
Ermogetry	6	15
B.M.R.	12	9
Blood complete clinical Haemotological	15	6
Blood sugar	19	2
Urea clearance test	14	7
24 hours urine sample chemistry	4	17
17 Ketosteroids in Urine	8	17
E.C.G.	8	13

The work is in progress and is being extended to the freshly admitted medical students and staff of the Institution.

(c) *Clinical Research:* For the conduct of Ayurvedic Clinical Research, beds have been recently made available at the Shree Sayaji General Hospital. Clinical work has been started there since the 24th March 1955. Dr. C. G. Pandit, Chairman of the Governing Body of the Central Institute of Research in Indigenous Systems of Medicine, Jamnagar,

while on tour, visited the Unit on the 26th June 1955 and a meeting was held in the Rasashala to consider the work of Clinical Research in the Unit. It was suggested that it would be far better to concentrate on one disease group than to attempt to work on four.

Sangrahani was felt to be the one on which such concentration may be given. It was also suggested that more concentrated effort be made towards obtaining patients for clinical research. Towards this end, another meeting was held in the S. S. G. Hospital to consider the procedure to be adopted to admit the patients for clinical research in Ayurveda.

The general routine of clinical research in Ayurveda was discussed. Another meeting with some local Vaidyas was also held for the purpose. The Vaidyas were informed about the availability of research beds and they consented to help in obtaining patients. At present there are 8 patients in the wards, of whom two are Sangrahani patients.

(d) Vaidya N. M. Pathak and Vaidya Y. R. Pandit were deputed to Jamnagar to observe the Ayurvedic Research work there.

5. Exhibition.

An exhibition of ayurvedic herbs and medicinals was organised at the time of the meeting of the Ayurvedic Section of the All India Pharmaceutical Congress with the co-operation of the local Vaidya Sabha.

6. Museum.

Thirty eight different specimens of fresh medicinal herbs and 171 specimens of crude drugs have been added to the drugs Museum.

7. The Indian Pharmaceutical Congress 1954—Ayurvedic Section.

The Unit took part in the organisation of the Ayurvedic Section in the 7th Annual Session of the Indian Pharmaceutical Congress. Pandit Shiv Sharma, who was the President, visited the Unit. Besides the exhibition reported above, Shri Nagardas Pathak and Shri Y. R. Pandit participated in the scientific and other deliberations of the section.

CHAPTER XIII—FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING)

1. Buildings.

The buildings of the Faculty comprise of the following :—

(i) the various laboratories, drawing halls, library, class-rooms, staff and students' rooms, canteen and the Dean's office.

(ii) the hydraulics and metallurgical laboratories.

(iii) the gas room.

(iv) the workshop building accommodating :—

(1) the workshop comprising the carpentry shop, fitting shop, lathe shop, smithy, foundry and the furniture room and the workshop office and stores.

(2) Heat engines laboratory.

(3) Textile Chemistry department laboratory.

(4) Textile Technology department, weaving and spinning machinery sheds and testing laboratory.

Arrangements for shifting of the Heat Engines laboratory to the sheds previously occupied by the Textile Chemistry laboratory and *vice versa* are completed. The construction of the extensions to the new Textile Chemistry laboratory as well as of a new building for the workshop stores is completed. The construction of a new shed for furniture-making which was taken up on hand early during the year on the eastern side of the workshop premises is nearing completion. Also the construction of a boundary wall of suitable height on the eastern side of workshop premises is taken up and will be completed very shortly. A new iron gate has been fixed up on the northern side of the workshop premises and suitable alterations have been made for the proper accommodation of the TAIRO Office and for a cabin being provided for the Workshop gate keeper near the above gate.

The work of laying out the garden on the western side of the Faculty premises is in progress.

The total cost of all the buildings, including the extensions and new constructions made during the year under report, is about Rs. 26,00,000/-.

2. Courses of studies.

(*a*) *Degree courses :*

(1) Course leading to the degrees of B.E. (Civil, Mechanical and Electrical Engineering)

(2) Course leading to the degree of B. Text. (Engineering)

(3) Course leading to the degree of B. Text. (Technology) —started from June, 1955.

(4) Course leading to the degree of B. Arch. (Bachelor of Architecture).

(*b*) *Diploma courses :*

Courses leading to the Diplomas in Civil, Mechanical and Electrical Engineering, Textile Chemistry, Textile Technology and Architecture.

A transitory course of one year's duration for Diploma holders in Weaving Technology, to qualify for the Diploma in Textile Technology (D. T. T.).

(*d*) *Certificate courses :*

Courses leading to the certificates of Turner and Fitter, Wireman, Carpentry, Dyeing and Weaving.

(*e*) *Technical High School course :*

Courses leading to the examination for the Secondary School Certificate of Bombay State.

3. Number of students.

The number of students enrolled in the various classes at the commencement of the year was as under :

Class	*Men*	*Women*	*Total*
I. Technical High School :			
First Year	57	—	57
Second Year	51	—	51
Third Year	45	—	45
Total :	153		153
II. Certificate Classes :			
Turner and Fitter :			
First Year	21	—	21
Second Year	17	—	17
Total :	38		38

Wireman :	32	—	32
Dyeing :			
First Year	13	—	13
Second Year	6	—	6
Total :	19		19
Weaving :			
First Year	15	—	15
Second Year	15	—	15
Total :	30		30
Architecture :			
Second Year	13	—	13
Grand Total :	132		132

III. Diploma Classes :

Mechanical Engineering :			
First Year	65	—	65
Second Year	42	—	42
Third Year	60	—	60
Total :	167		167
Electrical Engineering :			
First Year	75	—	75
Second Year	39	—	39
Third Year	63	—	63
Total :	177		177
Civil Engineering :			
First Year	71	—	71
Second Year	66	—	66
Third Year	55	—	55
Total :	192		192
Textile Chemistry :			
First Year	31	—	31
Second Year	22	—	22
Third Year	41	—	41
Total :	94		94

Textile Technology :			
Pre-Textile Technology	37	—	37
First Year	33	—	33
Third Weaving Technology	19	—	19
D.T.T. (Transitory)	3	—	3
Total :	92		92
Architecture :			
Second Year	26	—	26
Third Year	36	—	36
Fourth Year	25	1	26
	87	1	88
Grand Total	809	1	810

IV. Degree Classes :

F.E. (Mechanical)	25	—	25
F.E. (Electrical)	24	—	24
F E. (Civil)	26	—	26
F. Text (Eng.)	25	—	25
Total	100		100
S.E. (Mechanical)	37	—	37
S.E. (Electrical)	20	—	20
S.E. (Civil)	71	—	71
S. Text (Eng.)	8	—	8
Total	136		136
B.E. (Mechanical)	32	—	32
B.E. (Electrical)	20		20
B.E. (Civil)	33	—	33
Total	85		85
B. Arch. First Year Total	58		58
Grand Total :	379		379

Summary

I	Technical High School	153	—	153
II	Certificate classes	132	—	132
III	Diploma classes	809	1	810
IV	Degree classes	379	—	379
	Total :	1,473	1	1,474

4. Staff.

During the year under report the staff of the Faculty consisted of 4 Professors, 8 Readers, 11 Senior Lecturers, 14 Junior Lecturers, 3 Assistant lecturers, 4 Instructors, 2 Part-time lecturers, 29 Demonstrators, 61 Class III and 58 Class IV servants.

Shri V. N. Ambdekar, Architect and Town Planner, Bombay Municipal Corporation was invited as visiting lecturer from the grant of the Faculty. He delivered two lectures on "Town Planning of Greater Bombay" on the 17th and the 18th January, 1955.

5. Library and Reading Room.

The Reading Room and Library was kept open from 8 a.m. to 11 a. m. and 5. 30 p. m. to 8 p. m. In March and April 1955, it was kept open upto 10 p. m. Usual office time of the library continued as before *i. e.* from 11 a.m. to 5.30. p.m. As the previous room was found smaller for accommodating more book-shelves and reading-room table, adjoining room was allotted to the Library. Two rooms have been joined by a door. Also a portion in the new room is partitioned for storing old books, and periodicals etc.

The following are the figures showing average daily attendance and circulation of books :—

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and Reading Room daily	125
2.	Average number of teachers making use of the Reading Room daily	10
3.	Total number of books issued to students during the year	6,500
4.	Total number of books issued to teachers during the year	800

The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1954-55 :

	Particulars.	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	12,934	1,12,478-10-0
2.	Transferred to other institutions during the year	61	1,394- 8-0

3.	Added during the year		
	(1) Books	397	6,810- 0-0
	(2) Bound periodicals	62	1,736- 0-0
4.	Books as on 30-6-1955	13,332	1,19,630- 2-0
5.	Journals subscribed during the year	48	1,610- 0-0
6.	Amount spent on binding during the year	—	424- 0-0
7.	Total amount spent for Library and Reading Room during the year	—	8,844- 0-0

Note :—Journals which were previously subscribed for were bound and added to the stock.

6. Museum, laboratories, studios, workshops etc.

The following table gives the cost of equipment in the different laboratories and workshops of the Faculty :

Item	*Cost of equipment as on 1-7-1954*	*Cost of equipment etc. written off during the year*	*Cost of equipment etc. added during the year*	*Cost of equipment as on 30-6-1955*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Laboratories and Workshops	22,72,858	2,324-14-6	3,61,654-2-6	26,32,187-4-0

7. Publications by the members of the staff.

(a) *Article or papers*

The following were the publications by the members of the staff during the year 1954-55 :

	Name	*Title*	*Where published*
1.	Dr. S. M. Sen and Shri R. B. Joshi	Study of a nonlinear Magnetic circuit	Proceedings of the Indian Science Congress, 1955
2.	Shri S.S. Merh	Geology and Mineral resources of Gujarat and Saurashtra.	Souvenir Volume of the 42nd Session, Indian Science Congress, 1955.

8. Other literary and cultural activities.

Under the auspices of the Literary Association the following activities were conducted :

(a) Lectures :

	Name of the lecturer	*Subject*
1.	Dr. D. V. Gogate, Reader in Physics, Faculty of Science.	The Atom Bomb.
2.	Shri L. R. Tambe, Public Relations Officer of the Vanaspati Manufacturers' Association of India, Bombay.	Some aspects of Vanaspati Industry.
3.	Major Barkat Narain of Community Projects, Government of India, New Delhi	Community Projects in India.
4.	Shri Chatterjee of M/s. Mahendra and Mahendra	Industrial problems.

(b) Elocution contests and Symposium :

1. Seven students representatives of the Faculty were sent to an open extempore elocution competition held under the auspices of the M. S. University Union. A. X. Fernandiz, student of the Faculty won the first prize.

2. Two students of the Faculty were sent to represent the Faculty in an Inter-Faculty debate on " Arguments and not arms or ammunition can solve the problems of the world " held in the Faculty of Home Science.

3. The Faculty arranged an Inter-Faculty debate on " It is the engineer and not the economist who can contribute to the prospering of the nation. "

4. Two students of the Faculty were sent to represent the Faculty in an Inter-Faculty debate on " Professional Social workers do more harm than good to the society " held in the Faculty of Medicine.

5. Messers. A. X. Fernandiz and Rumi Mistry were sent to represent the Faculty for the M. N. Wadia Inter-Faculty Debating Competition. The Faculty won the trophy and Shri Fernandiz was awarded the first prize as the best individual speaker and Shri Rumi Mistry a special prize for his good supporting speech in the debate.

6. Messers. R. N. Desai and J. N. Baxi took part in an Inter-Faculty debate on " Peace can be achieved by the application of Gandhian principles alone " held in the Faculty.

7. Messers A. X. Fernandiz and Rumi Mistry represented the Faculty in a debate on " The house refuses to be alarmed or depressed at the prospect of 1984 " with the Oxford University representatives.

8. Two students were sent to represent the Faculty at the Mahadeo Desai Gujarat Elocution Competition held at L.D. Arts College and M.G. Science Institute, Ahmedabad.

9. One student was sent to represent the Inter-Faculty debate in Gujarati held under the auspices of the M. S. University Union.

10. A debate on " Regional language should be the medium of instruction in Indian Universities " was held in the Faculty where not only the students but also the members of the staff participated. Shri C. J. Sutaria presided over the debate.

11. A very interesting symposium on " Our experiences abroad " was held in the Faculty. Professor P. J. Madan, Professor L. B. Shah, Shri K. H. Patel, Shri M. B. Dave and Dr. S. M. Sen participated in it.

(c) Seminars :

All students of the final year Degree and Diploma classes took part in the seminars. The students prepared and read papers on selected themes relating to the subject of their study and participated in the discussions.

9. Co-curricular activities.

(a) Excursions and Tours :

The students of the S.E. and B.E. degree classes and all the final year Diploma classes were sent out on an educational tour to places of particular interest connected with their branch of study, the period in each case extending upto about two weeks.

The second and third year students of Diploma in Architecture were sent out on measured drawing tours.

(b) Socials :

The Faculty's Social Gathering, which included farewell to outgoing students and a function in honour of Principal S. B. Junnarkar for his valuable contribution to the cause of technical education, was held on the 6th March, 1955 at the Faculty under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor, M. S. University of Baroda.

(c) Sports :

In the annual sports held during the University Week in October 1954, students of the Faculty, Messrs. A. R. Naidu, M. R. Marathe and

J. V. Gupte won the first places in practically all the men's track and field events, with the result that the individual championship cup was won by Shri A. R. Naidu and the runners-up cup by Shri M. R. Marathe, both students of the Faculty. In the men's staff events also both the first places were won by the members of the staff of the Faculty, Shri C. J. Karamchandani, and Shri S. K. Damle. In the open badminton tournaments held by the M. S. University Union during the year, Shri Dewanji George, a student of the Faculty won the championship cup in the Gents' singles and was declared the University champion in badminton. In the Inter-Faculty tournaments held in Hockey, Volley Ball and Hu-tu-tu by the department of Physical Education, the Faculty won the trophy, by winning the championship in Volley Ball and Hu-tu-tu.

(d) Exhibition of educational films :

The Faculty has a stock of 15 films of various subjects of educational interest and also 14 strips of 35 mm. films. Every year more films are taken on loan for use from the following organisations :

1. British Informaticn Services,
2. United States Information Services,
3. Burmah Shell,
4. Visual aids department of Bombay State,
5. Films' division, Ministry of Education, Government of India.

About 32 interesting films relating to Engineering and Technological topics were shown during the year at the Faculty.

(e) Dramatic and Music Association :

The first variety entertainment programme of the Association was held in the first term on the 31st August, 1954 in the Faculty premises which was graced by the presence of Shri T. S. Avinashilingam Chettiar, M. P. and Ex-Minister of Education, Madras State.

The Association represented the Facutly in the Inter-Faculty Dramatic Competition arranged by the M. S. University Union in the auditorium of the Faculty of Home Science on the 16th October, 1954 and won a prize.

The Association also participated in the entertainment programmes staged during the University week.

(g) Photographic Association :

By the end of 1954 about 50 entries were sent for the Delhi Exhibition for the All India Technical Educational Exhibition. The year was

utilised in equipping the association with all the necessary materials as developing trays, chemicals, printing devices and the enlarging apparatus. A special dark room has been arranged for carrying out the work.

(h) Co-operative Stores Society :

The students' co-operative store entered the third year of its career in the Faculty. A large number of students continued to take advantage of this store. Material worth about Rs. 8500/- was purchased while the sales amounted to 7,609/- during the year under report.

10. Tutorial and Class work.

Attendance at the terminal examination, tutorial period and tests is compulsory.

The system of giving credit for work done during the term is followed. Regular records of the class work and periodical tests of the students are maintained.

In deciding the annual results of all examinations, whether conducted by the Faculty or the University, the marks obtained by the candidates in their terminal examinations, tutorials, class work and tests are taken into account as below :

Theoretical subjects : 20% of the maximum marks for the examination in that subject.

Practical subjects : 25% of the maximum marks for the examination in that subject.

This does not apply in case of subjects where separate term-work marks have been assigned.

11. Other important events.

1. The Visiting Committee set up by the Western Regional Committee of the All India Council of Technical Education, Ministry of Education, Government of India, New Delhi, visited the Faculty on the 23rd and the 24th August, 1954 in connection with the proposals for the development of the Faculty.

2. Shri Jawaharlal Nehru, Prime Minister of India paid a visit to the Faculty in January 1955.

3. Shri A. C. Guha, Union Deputy Minister of Finance, visited the Faculty in February 1955.

4. Shri Jagjivanram, Union Minister for Communications, visited the Faculty in April 1955.

5. Shri B. N. Datar, Union Deputy Minister for Home Affairs visited the Faculty in April 1955

6. Shri Dinkarrao Desai, Minister for Education, Government of Bombay, visited the Faculty in June 1955.

12. Grants sanctioned by the University Grants Commission.

On the recommendations of the Western Regional Committee of the All India Council of Technical Education, University Grants Commission at their meeting held on the 14th February, 1955 have sanctioned the following grants for the development of the Faculty on the lines suggested by the Visiting Committee in their report submitted in October 1954:

Non-recurring grant :

(i)	Building	Rs. 1,29,000/-
(ii)	Equipment	Rs. 5,00,000/-
(iii)	Library Books	Rs. 30,000/-
(iv)	Models	Rs. 15,000/-
	Total :	Rs. 6,74,000/-

Recurring grant :

Additional staff.	Rs. 44,000/-

CHAPTER XIV—FACULTY OF FINE ARTS

1. Buildings.

The construction of a two storeyed block was started in July 1954 and is in progress. It will accommodate (1) Lithography Section, (2) Photography Section, (3) Wood-carving Section, (4) Printing Section, (5) Office of the Dean, on the ground floor and (6) Library and Reading-room, (7) Individual rooms for Professors and Readers, (8) Class-rooms for the post-graduate and post-diploma students in Painting, Sculpture, Applied Arts, Art Education and Art Criticism, on the first floor.

2. Courses of studies.

The Faculty started (1) post-graduate and post-diploma courses in (i) Painting, (ii) Sculpture, (iii) Applied Arts and (iv) Art Education from July 1954. It also offers the following courses :

(2) Post-graduate Diploma course in Museology.
(3) Degree courses in Painting, Sculpture and Applied Arts.
(4) Diploma courses in Painting, Sculpture and Applied Arts.
(5) Certificate courses in Photography, Lithography, Wood-carving, Pottery and Process and Block-making.

3. Number of students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :—

Class	*Men*	*Women*	*Total*
Certificate Classes :			
First Year	1	—	1
Second Year	1	—	1
Diploma Classes :			
First Year	8	—	8
Second Year	3	—	3
Third Year	6	—	6
Fourth Year	—	—	—
Post-Diploma Classes :	3	1	4
Degree Classes :			
First Year	11	1	12
Second Year	5	4	9

	Men	*Women*	*Total*
Third Year	3	—	3
Fourth Year	4	—	4
Post-graduate Classes :			
Degree :			
First Year	5	1	6
Diploma :			
First Year	6	1	7
Second Year	3	3	6
	60	11	71

4. Staff.

During the year under report the staff of the Faculty consisted of 2 Professors, 1 Reader, 3 Senior Lecturers, 5 Junior Lecturers, 1 Honorary Lecturer, 1 Part-time Lecturer, 3 Demonstrators and Tutors, 7 Class III and 11 Class IV servants.

The following persons were invited as Visiting Professors during the year from the grant of the Faculty :

S. No.	*Name and address*	*No of lectures and demonstrations*	*Subject*
1.	Shri R. R. Bhardwaj, Bombay	3	Photography
2.	Shri C. Shivrammurti, Calcutta	2	Indian Sculpture
3.	Shri Karl Khandalawala, Bombay	2	Indian Art
4.	Shri S. Dasgupta, Bombay	2	Advertising Campaign
5.	Shri V. R. Amberkar, Bombay	30	History of Art
6.	Dr. A. Aiyapan, Madras	3	Audio-Visual Aids in Museums
7.	Dr. S. Parmasivan, Hyderabad (Dn.)	3	Cleaning and Preservation of Metals
8.	Shri T. R. Gairola, New Delhi	4	The conservation of prints, drawing and manuscripts

9.	Shri H. K. Doring, Baroda.	6	(1) Preparation of artificial leaves and flowers in wax medium (2) The making of casts and models in plaster, wax, papier-mache, etc. (3) Organisation of exhibits including a study of the background, showcases, lighting etc. (4) Cleaning and repairing stone and marble sculpture and antiquities.
10.	Shri J. Gabrial, Bombay	5	Preparation and preservation of the skins of birds and mammals.

Shri H. K. Doring was also invited as Visiting Professor in Bronze Casting during the period 1st October, 1954 to the 31st March, 1955.

5. Library and Reading-Room.

The following are the figures showing the average daily attendance and circulation of books :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and the Reading Room daily	25
2.	Average number of teachers making use of the Library and the Reading Room daily	6
3.	Total number of books issued to students during the year	404
4.	Total number of books issued to teachers during the year	224

The following figures show the stock and expenditure on the maintenance of the Library and Reading-room during the year 1954-55 :

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954.	1,563	20,952-14-3
2.	Books written off during the year	—	

Sr.No.	*Particulars*	*Number*	*Cost in Rs.*
3.	Books added during the year	352	5,290 -7-6
4.	Books as on 30-6-1955	1,895	26,243-5-9
5.	Journals subscribed during the year	23	865-6-9
6.	Amount spent on binding during the year	—	76-0-0
7.	Total amount spent for Library and Reading Room during the year		Rs. 6,231-14-3

6. Museum, Laboratories, Studios, Workshops etc.

The following table gives the cost of equipment in the different studios and laboratories :

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954* Rs.	*Cost of equipment etc. written off during the year* Rs.	*Cost of equipment etc. added during the year* Rs.	*Cost of equipment as on 30-6-1955* Rs.
I	*Studios*				
1	Painting	2,485-0-0	—	—	2,485- 0-0
2	Sculpture	3,560-0-0	—	9,576-13-6	13,136-13-6
3	Applied Arts	1,725-0-0	—	—	1,725- 0-0
II	*Laboratories and Workshop* :				
1	Wood-carving	1,967- 0-0	—	—	1,967- 0-0
2	Process	6,000- 0-0	—	2,225- 0-9	8,225- 0-9
3	Lithography	4,010- 0-0	—	—	4,010- 0-0
4	Photography	3,296-13-0	—	501- 8-0	3,797- 8-0
5	Etching	4,450- 0-0	—	—	4,450- 0-0
6	Bronze-casting	3,000- 0-0	—	—	3,000- 0-0
7	Printing	—	—	214-12-3	214-12-3
	Total :	30,493-13-0	—	12,518- 2 6	41,152- 1-6

7. Other literary and cultural activities.

(1) An article of Professor Markand Bhatt, on "Art and the Socially Mal-adjusted" was published in "School Art" a leading magazine of Art Education in U.S.A., in its March, 1955 issue.

(2) Professor Markand Bhatt was invited during the summer of 1954 as a Visiting Professor in Painting and Art Education by the

Department of Education, Toronto, Ontario State, Canada. He taught the summer course for six weeks to the Art teachers. An exhibition of his paintings was also held in the Eglinton Gallery, Toronto, Canada.

(3) Professor N. S. Bendre acted as the Convener of the University Album Committee, formed in 1954-55. Recently he has been appointed a member of the executive council of the Lalit Kala Akadamy, Government of India.

(4) During the year, one of the exhibits in the First National Exhibition of Art of Shri N. N. Choudhari was acquired by the Government of India for Rs. 800/-. Shri N. N. Choudhari and Shri K. B. Kapadia, besides executing some commission works, have also been successful in doing bronze-casting work.

8 Co-curricular activities.

(i) Study Tour :

During the year a study tour was taken to Puri, Bhubaneshwar, Konarak, Udaygiri etc. The tour lasted for 15 days *i. e.* from the 10th April, 1955 to the 25th April, 1955. Each student did 150 sketches and 90 monochrome. 18 coloured photographs were taken during the tour for the Faculty.

(ii) Exhibitions :

(1) At the request of Mr. Dong Kingman, American born Chinese Artist, an exhibition of his paintings was held on the 13th August, 1954.

(2) University Week Exhibition was held from the 14th to the 19th October, 1954.

(3) An exhibition of the works of the students was held during the 42nd Session of the Indian Science Congress *i. e.* from the 4th to the 11th January, 1955.

(4) An exhibition of the pottery articles of the Faculty was held during the Flower, Fruit and Vegetable Show held by the Baroda Borough Municipality on the 27th and the 28th February, 1955.

(iii) Lectures and Demonstrations :

(1) Demonstrations of Mr. Dong Kingman, American born Chinese Artist on "Water Colour Painting" were arranged on the 14th and the 15th August, 1954.

(2) Dr. Robert Squeri, Art Teacher, deputed under the Fulbright Scheme, U.S.A., held a Seminar with Art Teachers of the High Schools in Baroda, from the 2nd to the 4th December, 1954.

(iv) Film Shows :

(1) Shri V. N. Ambdekar, Architect and Town Planner, Bombay Municipal Corporation, showed the slides of the "Architecture of Europe" on the 18th January, 1955.

(2) A film show was arranged on the 15th February, 1955 and the following French films were shown :

(i) Terre Et Flammes

(ii) Images Gotheques V. F.

(iii) L' Evangile de la Pierre V. A.

(3) Mr. and Mrs. Dickinson, American Artists Fulbright Scholars, showed slides of their works on the 28th March, 1955.

9. Distinguished Visitors.

(1) Shri V. T. Krishnamachari, Deputy Chairman, Planning Commission, Government of India, visited the Faculty on the 18th October, 1954.

(2) Shri C. S. Venkatachar, Secretary to the Government of India, Ministry of States, visited the Faculty on the 23rd November, 1954.

(3) Rajkumari Amrit Kaur, Union Minister of Health, visited the Faculty on the 21st November, 1954.

(4) Dr. and Mrs. W. Norman Brown of Pennsylvania visited the Faculty on the 8th December, 1954.

(5) The Russian and other foreign delegates to the 42nd Session of the Indian Science Congress visited the exhibition and the Faculty during the Session *i.e.* from the 4th to the 11th January, 1955.

(6) Dr. John Guy Fowlkes, Adviser to the Ministry of Education, Government of India, visited the Faculty on the 28th January, 1955.

(7) Mr. and Mrs. Dickinson, American Artists Fulbright Scholars visited the Faculty on the 28th March, 1955.

(8) Shri Jagjivanram, Union Minister of Communications, visited the Faculty on the 16th April, 1955.

(9) Shri B. N. Datar, Union Deputy Minister of Home Affairs, visited the Faculty on the 18th April, 1955.

2. Important events.

(i) The following students under the guidance of Professor N. S. Bendre were commissioned to execute seven panels depicting events from the Cultural History of India in the Parliament House, New Delhi :—

(i) Shri F. N. Katpitia, Vth Year Degree, Painting.

(ii) Shri V. P. Trivedi, Vth Year Degree, Painting.

(iii) Shri J. M. Bhatt, Vth Year Diploma, Painting.

(iv) Shri S. S. Dave, Vth Year Diploma, Painting.

(ii) 36 works of the students were exhibited in the Inter-University Youth Festival organised by the Ministry of Education, Government of India at New Delhi.

(iii) Shri P. A. Mangudkar, (IVth Year Diploma, Sculpture) won a prize of Rs. 200/- at the First All-India Contemporary Sculptures' Exhibition held by the Government of India in New Delhi in February, 1954.

(iv) Shri J. M. Bhatt (Vth Year Diploma, Painting), Shri S. S. Dave (Vth Year Diploma, Painting), Shri I. B. Gajjar (Vth Year Degree, Sculpture) and Shri M. D. Pandya, (Vth Year Degree, Sculpture) won prizes at the Bombay Art Society Exhibition held at Bombay in January, 1955.

(v) Shri I. B. Gajjar (Vth Year Degree, Sculpture) and Shri Girish C. Bhatt (Vth Year Diploma, Sculpture) won prizes of Rs. 500/- and Rs. 250/- respectively, at the First National Art Exhibition held at New Delhi in March, 1955 by the Lalit Kala Akadamy. Out of 280 entries selected for the exhibition, 24 were works of the students of the Faculty.

(vi) The Government of India acquired a Sculpture of Shri Girish C. Bhatt (Vth Year Diploma, Sculpture) for Rs. 500/-

(vii) Dr. H. J. Bhabha of the Tata Institute of Fundamental Research purchased a wood-carving by Shri I. B. Gajjar (Vth Year Degree, Sculpture) for Rs. 200/- for his collec-

tions, when he visited the exhibition organised for the Science Congress.

(viii) Shri V. P. Trivedi, (Vth Year Degree, Painting) sold a painting to the Banaras Museum for Rs. 300/-.

(ix) Shri M. D. Pandya, (Vth Year Degree, Sculpture) and Shri I. B. Gajjar (Vth Year Degree, Sculpture) were awarded the Government of India Cultural Scholarship of Rs. 250/- p.m. for a period of two years for higher studies in Sculpture under Shri N. N. Choudhari, in the award of the year 1954.

For the award of the year 1955, seven students mentioned below have been asked to submit their works for consideration :

(i) Shri F. N. Katpitia, (Vth Year Degree, Painting.)
(ii) Shri V. P. Trivedi, (Vth Year Degree, Painting.)
(iii) Shri P. H. Dave, (Vth Year Degree, Art Education.)
(iv) Shri R. M. Pandya, (IVth Year Degree, Painting.)
(v) Shri J. M. Bhatt, (Vth Year Diploma, Painting.)
(vi) Shri S. S. Dave, (Vth Year Diploma, Painting.)
(vii) Shri G. C. Bhatt, (Vth Year Diploma, Sculpture.)

CHAPTER XV--FACULTY OF HOME SCIENCE

1. Buildings.

The Faculty is housed in a new building specially designed for the purpose. The Bacteriology and Bio-chemistry laboratories have been completed. The construction of the Home Management House, started during the year, is nearing completion.

2. Courses of studies.

This Faculty was brought into being on the 3rd July, 1950, and thus completed five years of its existence in July, 1955. It has the distinction of being the only Faculty, instituted by any of the Universities of India, offering a full six-year programme of Home Science Courses (beyond Matriculation) leading to the M.Sc. degree.

The Faculty offers the following courses :—

(a) Graduate courses :—There are four departments, known as Majors, providing facilities for specialization in the following areas : (1) Foods and Nutrition ; (2) Child Development ; (3) Home Management ; and (4) Home Science Education.

The courses for the first two years are planned to give a broad background in Applied Arts and Sciences constituting the "Core Curriculum." During the third and fourth years the students can choose any one of the Majors specified for specialization.

(b) Post-graduate courses are in : (1) Foods and Nutrition and (2) Child Development. The latter was started in June 1955.

The Faculty continues to enjoy the valued co-operation of the Faculties of Arts, Science, Education and Psychology, Technology (including Engineering), Commerce and Medicine in the teaching of its various courses.

3. Number of students.

The number of students enrolled in various classes at the commencement of the year 1954-55 was as follows :

Class	*Number (Women)*
B.Sc. (Home) First Year	56+3 non-collegiate
B.Sc. (Home) Second Year	44+1 non-collegiate
B.Sc. (Home) Third Year	22
B.Sc. (Home) Fourth Year	24
M.Sc. (Home) Junior	2
Total	148+4 non-collegiate

4. Staff.

During the year under report the staff of the Faculty consisted of 1 Professor, 2 Visiting Professors, 4 Senior Lecturers, 4 Junior Lecturers, 8 Demonstrators and Teachers, 8 Class III and 15 Class IV servants.

The following two Visiting Lecturers were invited by the Faculty from the grant provided in the budget of the Faculty :

	Name	*Number of Lectures*	*Topic*
1.	Shri R. S. Deshpande	1	Housing.
2.	Shrimati Tarabai Modak	2	(a) Child Education in Rural Areas in India. (b) The Project of the Vikas Wadi, Bordi.

5. Library and Reading Room.

A considerable number of books have been added during the year. The 'open-shelf system', introduced last year, has been successful and is continued. The Faculty Library is still in its infant stage.

Suitable arrangements for a Reading-Room have been made. The majority of the books in the Library pertain to the subjects taught in the Faculty and are in constant use by the students and the staff. Two student-assistants help in the Library during the out-of-Faculty hours, thus extending the number of Library hours.

The following figures show the average daily attendance and circulation of books :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and Reading Room daily	130
2.	Average number of teachers making use of the Library and Reading Room, daily	25
3.	Total number of books issued to students during the year	2,080
4.	Total number of books issued to teachers during the year	350

The following figures show the stock and expenditure on the maintenance of the Library and the Reading Room during the year 1954-55 :

	Particulars	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954	2,216	14,652- 5-9
2.	Books written off during the year	Nil	—
3.	Books added during the year	406	2,367-10-9
4.	Books as on 30-6-1955	2,622	17,019-15-9
5.	Journals subscribed during the year	39	1,132- 1-6
6.	Amount spent on binding during the year	—	—
7.	Total amount spent for Library and Reading Room during the year	—	3,498-11-6

6. Museum, Laboratories, Workshops etc.

The Faculty show-cases, provided in the entrance hall, have continued to exhibit the various products and activities in Home Science. These exhibits are changed once every two weeks. The Faculty has in view the starting of a separate permanent Museum, which, it is hoped, will materialise with the availability of more space and the expansion of the Faculty.

The various laboratories are duly equipped. The laboratory of the Home Science Education department is still in the process of being equipped. Chetan Balwadi, the Nursery School, serves the purpose of the laboratory of the Child Development department. A new gas-plant has been installed and the supply of gas to the laboratories has commenced. In due course, gas will also be supplied to the Faculty Cafeteria. The Carpentry Workshop of the Home Management department has been doing useful work. The following table gives the figures for the expenditure on laboratory equipment :

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954*	*Cost of equipment etc. written off during the year.*	*Cost of equipment etc. added during the year*	*Cost of equipment as on 30-6-1955*
		Rs.	Rs.	Rs.	Rs.
1.	Laboratories	1,01,791-7-5	Nil.	19,300-8-6	1,21,091-15-11

7. Publication by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55 :

(a) Articles or Papers :

	Name	*Title*	*Where published*
1	Dr. Rajammal P. Devadas	Criteria for establishing Home Science College in India.	Proceedings of the Biennial Conference of the Home Science Association of India
2	Dr. Rajammal P. Devadas	Home Science in Secondary Schools.	Journal of Education and Psychology
3	Shrimati K. G. Karandikar	Standards for a good kitchen in Indian homes.	Proceedings of the Biennial Conference of the Home Science Association of India.
4	Staff of Chetan Balwadi—Child Development Department	1. બાળકોની બાવાપિયાની રેચો 2. તમારા બાળકોને શિસ્ત કેમ શીખવશો।	Published by the Faculty of Education and Psychology for the Faculty of Home Science, Baroda.

8. Other literary and cultural activities.

(1) The following members of the staff attended the Biennial Conference of the Home Science Association of India held at New Delhi in September 1954 : (1) Dr. Rajammal P. Devadas, (2) Shrimati K. G. Karandikar, (3) Kumari P. S. Chari, (4) Kumari S. Malhan and (5) Shrimati R. Mukerji. Some of the senior students also accompanied the teachers. The Faculty was represented by Kumari Sudarshan Malhan at the meeting of the Indian Pediatric Society held at Lucknow where she read a paper. Kumari P. S. Chari undertook the following projects :

1. Budget study of the printing press work done in the Faculty by 3rd year students.
2. Study of the growth of the Faculty from 1951 to 1954.
3. Study of the interests, the backgrounds and the aims of students enrolled, based on the admission forms.
4. Formulating a questionnaire to study the needs of the Secondary School Girls in Baroda.

(ii) The staff of the Foods and Nutrition department looked after the Faculty Cafeteria and the Lunch programme of the Nursery School, which has now become a regular item of the schedule of the School. The Department also started food preservation and the selected vegetables and fruits were canned, as an experimental measure.

(iii) The Faculty conducted training courses from the 11th April, 1955 to the 27th May, 1955, for the 22 Chief Home Economics Instructresses deputed by the Government of India. This training will enable the trained Instructresses to organise Home Economics Departments of their respective State Governments.

9. Co-curricular activities.

(i) The Home Science Club carried on various activities as usual. The students participated and won honours in a large variety of activities including debating, dramatics, gardening, sports, dancing, entertainment programmes, radio talks, N.C.C. and A.C.C.

(ii) Some of the students of the Faculty participated in the Inter-University Youth Festival held in Delhi in November 1954 and won the second prize for the folk-dance competition. They also helped as volunteers in the 42nd Session of the Indian Science Congress held in Baroda in January 1955.

(iii) The Faculty continued to encourage the principle of earning while learning, stressing the dignity of labour. In all, 15 monthly student-assistantships of Rs. 15/- each were awarded in lieu of one hour's daily service on part-time jobs in the laboratories, cafeteria, library and office.

(iv) An independent kitchen garden is maintained on the back side of the main Faculty building as a hobby for the students. A full-time gardener is also on the staff to help the students in this activity. The vegetables from this garden are supplied to Shrimati Sarojinidevi Hall, the Cafeteria, the Home Management House, and the Chetan Balwadi.

(v) The second issue of the Faculty Magazine was published in March 1955, and many interesting and informative articles were contributed by the staff and the students of the Faculty.

(vi) A lady medical officer, Dr. (Shrimati) Sulochana Shah, M.B.B.S., has been working as a physician for the Nursery School and helps the staff in maintaining the health records of the children. The Parent-Teacher Association has continued to do useful work in this behalf.

(vii) The students majoring in Child Development frequently visited the children's houses to discuss with the guardians problems relating to the little ones, particularly those connected with their food and other habits. The Child Development department prepared a booklet with menus and recipies for Christmas gift to the Nursery School children and parents.

(viii) The students majoring in Home Science Education arranged periodical meeting of the Class IV servants of the University in the University Campus and explained to them the importance of family planning, monthly budgetting and the ways of economy to provide themselves with the amenities of life. The members of the clerical staff also co-operated in explaining to the Class IV servants the importance of the project.

The members of the staff helped the Prakash High School for Girls at Ahmedabad in organising an Exhibition in Home Science, which was the first of its type in Ahmedabad.

(ix) Students' Activities :

1. Two Symposia on the following subjects were held in the Faculty during the year as under :

Subject	*Date*
(a) Marriage	27th January, 1955
(b) How Home Science Education will help the Indian Girl	17th February, 1955

2. The Faculty participated in the Inter Faculty debates on (1) 'Arms and not arguments can solve world problems' held on the 5th August, 1954 and (2) 'It is woman and not man that will lead the world to peace' held on the 9th February, 1955.
3. A debate was also arranged in the Faculty on the 3rd September, 1954. The subject was 'Home Science is for the intellectually backward'.
4. Ten of the Senior students participated in organising the Training Course for the Chief Instructresses of the Government of India.
5. A few students participated in All India Youth Festival.
6. A group of students arranged an Education Tour to Indore.

10. Nursery School and the Lunch Programme.

The number of children on the rolls of the Nursery School, Chetan Balwadi, continued to be 60, the maximum capacity. The lunch programme which was introduced last year has now become a part of the School programme.

As usual, the School received a grant of Rs. 1,400/- from the UNICEF, which rendered help to the poorer children in the form of nutrition, medicines, clothes etc. Every Wednesday the Nursery School also invited and distributed milk to the under-privileged children.

11. Tutorial and Class work.

The Faculty continued to follow grade-credit system for evaluating the progress of the students. This included class discussions, periodical tests, assignments, projects and examinations at the end of terms. The Faculty follows the advisory system as a part of the grade-credit system which gives a student full opportunity for self-expression and gradual development in all aspects of life. Regularity in attendance, amount of initiative shown, enthusiasm in co-curricular activities and performance in the examinations play a great part in the assessing of the total merit of a student. The teacher-advisers arrange periodical conferences with the students and advise them regularly in the problems relating to their studies, finances, health and domestic affairs. The students are allowed due freedom of expression and exchange of ideas at these conferences.

12. Distinguished Visitors.

The Faculty had a number of distinguished visitors during the year as mentioned below :

1. Dr. Rajendra Prasad, President of India.
2. Rajkumari Amrit Kaur, Union Minister for Health.
3. Shri Jagjivanram, Union Minister of Communications.
4. Shri B. N. Datar, Union Deputy Minister for Home Affairs.
5. Shri Dinkerrao Desai, Minister for Education, Government of Bombay.
6. Shri C. C. Desai, High Commissioner of India in Pakistan.
7. Shri Shantilal Shah, Minister for Labour and Health, Government of Bombay.
8. Shri B. D. Jatti, Deputy Minister for Health, Government of Bombay.
9. Sir and Lady V. T. Krishnamachari.

10. Dr. J. W. Harris, Vice-Dean, College of Home Economics, Tennessee.
11. Acharya J. B. Kripalani.
12. Shri T. S. Avinashilingam Chettiar, M. P. and former Minister for Education, Madras.
13. Shri C. S. Venkatachar, Secretary to the Government of India, Ministry of States.
14. Mr. Harry Corbin, President, University of Wichita, Kansas, U.S.A.
15. Dr. R. K. Yagnik, Executive Officer, Gandhi Memorial Academy, Nairobi.
16. Her Highness Maharani Shantadevi Gaekwad of Baroda.
17. Dr. W. Norman Brown and Mrs. Helen H. Brown, Pennsylvania
18. Mrs. Dorothy Campbell, Dr. and Mrs. Lines Pauling, American Delegates to the 42nd Session of the Indian Science Congress.
19. Mr. and Mrs. Eugene P. Link, Visiting Professor in Education (Fulbright), U.S.A., Annamalai University
20. Dr. Margaret Hockin, Chief, Home Economics Section F.A.O.
21. Dr. Jane Cape, Professor Emeritus, Antioch College, Ohio.
22. Miss Patzy Graves, Extension Specialist (T.C.M.), U.S.A. Delhi
23. Mr. John Allan Smith, Fulbright Professor from U.S.A.
24. Mr. Cliford Liddle, University of Michigan, U.S.A.

13. Other important events.

1. Miss P. Shrieves, a member of the staff was deputed to the N.C.C. Training at Delhi. She has completed the course and has been appointed the N.C.C. Officer in the Faculty.

2. Kumari P. S. Karnik and Kumari A. A. Jaituni have proceeded to U.S.A. for higher studies.

3. Dr. Rajammal P. Devadas, the Dean, was appointed Chief Home Economist to the Government of India, New Delhi.

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. Buildings.

During the year no additions and alterations have been made.

2. Courses of studies.

The Faculty offers a post-graduate course in Social Work leading to the degree of the Master of Social Work. The curriculum consists of class-room work, field work and research.

3. Field Work, Rural Work, Camps etc.

(i) Field work:

The following agencies co-operated in offering valuable practice training to the students:

1. The Remand Home, 2. Baroda Certified School, 3. Baroda Central Prison, 4. Government Deaf and Dumb School, 5. Shri Chimnabai Industrial Home for Women, 6. Shri Jamnabai Hospital, 7. Shri Padmavati Sanatorium, Anti-Tuberculosis Clinic, 8. Shri Sayaji General Hospital, 9. The Mental Hygiene and Psychiatric Clinic, (Shri Sayaji General Hospital), 10. The Mental Hospital, 11. The Government Model Farm, 12. The Atladra Rural Work Centre, 13. The Bil Rural Work Centre, 14. The Camp Road Community Welfare Centre, 15. Alembic Chemical Works Co. Ltd. 16. Baroda Spinning and Weaving Co. Ltd. 17. Jyoti Ltd. 18. Sarabhai Chemicals Co. Ltd., 19. Shri Dinesh Woollen Mills Ltd., 20. Shri Jagdish Mills Ltd., 21. Shri Sayaji Mills Ltd., 22. Shri Yamuna Mills Ltd.

(ii) Rural work:

The activities at the Community Welfare Centre at Atladra village were expanded. A cattle show, a baby show and a health exhibition were organised during the year. A new subsidiary diet programme was also introduced during the year. Children who were found under-nourished after medical examination were given subsidiary diet from the contribution made by the village council and with the help received from agencies such as Indian Red Cross Society. A women's group for recreation and education was started during the year. The women of the community have actively participated during this early stage. With the increasing demand the dispensary now operates four days a week instead of two days a week, thus offering greater service to the village community. The B.C.G. team

was also taken to the village and a large number of people were vaccinated.

At Bil village, the students' programme continued as usual. However, great strides have been made with regard to community development. Last year the village youth had repaired the approach road. During the year the community has expressed its wish to make it an all weather road under the government scheme. Plans are also being made to instal running water in the village. Both these schemes are materializing with the partial contribution of cash and labour from the village itself.

(iii) The Mental Hygiene and Psychiatric Clinic :

With the financial support received from the Jean and Howard Norman Trust of Australia, the Clinic expanded its work as proper service agency. It now operates six days a week throughout the year. A Clinical Psychologist and two Psychiatric Social Workers are appointed while two teachers of the Faculty continue to serve there on part-time basis. This has enabled the clinic to serve more patients and to provide intensive treatment besides being better equipped for student training.

During the past year, the clinic has had the benefit of a consultant Psychiatrist, Dr. L. C. English, under Fulbright exchange programme. He was connected with the clinic and the Faculty for one academic year.

(iv) *Camps*:

Camps and study tours are required as part of the Faculty's total programme. One camp and one study tour were conducted during the year.

The Senior Class was taken to Delhi where they visited many important welfare agencies in and around Delhi. The Junior students were taken to a camp at Golwad.

Besides helping the students to live and work together, these camps and study tours serve the purpose of bringing the students in direct touch with the working of other organisations and communities.

4. Number of students.

The number of students enrolled in the two classes at the commencement of the year 1954-55 was as under :

Class	*Men*	*Women*	*Total*
Junior Class	11	6	17
Senior Class	14	8	22
Total :	25	14	39

5. Staff.

During the year under report the staff of the Faculty consisted of 1 Professor, 1 Consultant, 6 Senior Lecturers, 2 Junior Lecturers, 2 Part-time Lecturers, 6 Class III and 6 Class IV servants. The staff in the Mental Hygiene and Psychiatric Clinic consisted of 1 Clinical Psychologist, 2 Social Workers and 1 Class III servant. The staff in the Women Social Education Organisers' Training Centre consisted of 1 Senior Lecturer, 2 Junior Lecturers, 3 Class III and 3 Class IV servants.

6. Library and Reading Room.

The Faculty has a well equipped library of over 2,700 volumes on various fields of social work and allied subjects. The Faculty also subscribes for a large number of professional journals and periodicals.

The following are the figures showing average daily attendance and circulation of books :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and Reading Room daily	40
2.	Average number of teachers making use of the Library and Reading Room daily	10
3.	Total number of books issued to the students during the year	9,000
4.	Total number of books issued to the teachers during the year.	2,000

The following figures show the stock and the expenditure on the maintenance of Library and Reading Room during the year 1954-55 :

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1954.	2,053	14,752-14- 6
2.	Books written off during the year	46	—
3.	Books added during the year	737	2,330- 0- 0
4.	Books as on 30-6-1955	2,744	17,082-14- 6
5.	Journals subscribed during the year	40	850- 0- 0
6.	Amount spent on binding during the year	—	195- 0- 0
7.	Total amount spent for Library and Reading Room during the year	—	3,375- 0- 0

6. Publications by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55 :

	Name	*Title*	*Where published*
1.	Shri S. N. Ranade	Training in Social Work	Economic Weekly
		Social Work as a Profession	Indian Journal of Social Work
2.	Shrimati P. Bhatt	The Problem Child at Home School	All-India Child Conference, Indore.

7. Other literary and cultural activities.

(i) *Staff Seminars :*

The staff members of the Faculty continue to hold fortnightly discussion groups to study the questions related to student training, particularly in field work. This was further extended to formation of an inter-school meeting for similar purpose, where teachers from Delhi, Baroda, Bombay and Madras participated. One such seminar was conducted in Baroda in February 1953. The next one was held in Delhi in January 1955. These meetings are found to be so useful that the school in Delhi has already started holding regular meetings of their teachers also, and it is hoped that each year there will be one inter-school meeting.

(ii) *Study tour :*

With a view to forming closer contacts between sister institutions, Shri D. F. Pereira, Clinical Psychologist of the Mental Hygiene and Psychiatric Clinic, Baroda was deputed to Ahmedabad to observe the working of the B. M. Institute of Child Development, Ahmedabad and discuss the possibility of closer contact between the two clinics. A similar visit was made by the personnel of the B. M. Institute to our clinic.

(iii) *Extra-curricular activities :*

During the year Dr. (Kumari) P. Vakharia served on the National Committees of—

1. Social Advisory Board, Ministry of Education, Government of India, New Delhi.
2. Central Executive Committee, Indian Conference of Social Work.
3. Executive Committee of the Indian Adult Education Association.

4. The Managing Committee of the District Probation and After-care Association, Baroda.
5. International Committee of Schools of Social Work.
6. Admissions Committee of the New York School of Social Work, New York, U. S. A. and Edinburgh School of Social Work, University of Edinburgh, U. K.

(iv) Students' Association and Students' Emergency Loan Fund :

Besides being members of the M. S. University Union, the students of the Faculty run an Association for educational and recreational purposes. Over the past three years, they have built up a loan fund. Each year a small amount is added to it by way of collections from the members of the staff and students of the Faculty, and this is utilized to help the needy students of the Faculty.

The Students' Association worked actively for the Bihar Flood Relief Fund and besides collecting money from the citizens of Baroda, added their own small contribution to it.

The students' emergency loan fund has been added to during the year. Although this is comparatively a small amount, it is built from the annual contribution of the members of the staff and the students of the Faculty, and, is given to assist students of the Faculty in times of emergency.

9. Co-curricular activities.

(i) Socials :

As usual, during the year the Students' Association conducted debates and invited lecturers. They also participated in Inter-Faculty debates and competitions. The annual sports were also organised during the year.

Students from Gujarata Vidyapith and from the Institute of Human Relations, Lucknow, were entertained by the students of the Faculty when they visited the Faculty. Several of the students of the Faculty attended the session of the Indian Conference of Social Work in Lucknow in December, 1954. At the time they initiated meetings between the students of Schools of Social work in India and Pakistan and established a spirit of friendship and mutual co-operation amongst the student population of these institutions.

(ii) *Film Shows :*

At the Rural Centres and the Camp Road Community Centre, educational films on health, sanitation, agriculture and social education were shown.

Some films covering subjects taught in classes were obtained from foreign embassies and were used to demonstrate certain aspects of technical subjects.

(iii) *Tours :*

In August 1954 a trip was arranged to Shivrajpur mines with a view to observing the working conditions and studying the welfare measures for the working class.

(iv) *Faculty Magazine :*

The second issue of the Faculty Magazine to which a few well-known persons in the field of social work and members of the staff and the students contributed articles, was published in June, 1955.

10. Tutorials and Class work.

The Faculty conducts its teaching on the seminar method. The students are encouraged to participate in the class and their performance in this respect is evaluated. Every week the students meet the Supervisor, individually or in small groups, to discuss problems arising out of field work. Similarly for research guidance, the students hold regular conferences with their research guides. This facilitates a close supervision of the student's day-to-day progress.

11. Distinguished Visitors.

Shri Krishan Chand, Deputy Secretary and Shri A. R. Deshpande, Special Officer, Community Projects Administration visited the Faculty in September, 1954.

In October, 1954, Sir V. T. Krishnmachari, Deputy Chairman, Planning Commission, paid a visit to Rural Centres where the Faculty conducts its programme.

Following these visits, the Faculty was asked by the Community Projects Administration to undertake the training of Women Social Education Organizers' Training Centre on their behalf. The training programme was started in February 1955. This is the first centre set up by the Community Projects Administration for giving specialized training of this nature. Trainees to this Centre are deputed by the various State Governments and

the expenses for this training programme are borne by the Community Projects Administration.

In December, 1954, Shri K. K. Shah, Secretary, Sir Sayajirao Diamond Jubilee Memorial Trust Fund, visited the Rural Centres where the Faculty conducts its programme. The village communities discussed with him their plans for Community Development. With his encouragement, one of these villages has launched an ambitious scheme for building an approach road and waterworks which they have been long contemplating.

In February, 1955, Mr. John Barnabus, UNICEF Chief in Burma visited the Faculty and addressed the students.

12. Alumni news.

Once a year, a good number of the Alumni meet at the venue of the Indian Conference of Social Work under the auspices of the Alumni Association started in the Faculty in 1952. The Office is maintained by the Alumni in Baroda and a close touch is maintained with the students of the Faculty. Since January, 1955, the Alumni in Baroda have formed a study group to discuss the current situations in the social work field.

Almost 80% of the graduates of the Faculty are employed in responsible positions, some of them doing work of pioneering nature. Our graduates are employed mainly in the following fields of social work.

1. Social Education (Under Community Projects Administration)
2. Research and investigation surveys
3. Medical Social Work
4. Psychiatric Social Work
5. Juvenile Delinquency and Criminology
6. Child Welfare
7. Rural Welfare Work
8. Labour Welfare Work
9. Teaching.

13. Other important events.

(1) The Annual donation of Rs. 7,000/- by the Trustees of the Sir Sayajirao Diamond Jubilee and Memorial Trust Fund for the Rural Work Programme of the Faculty was continued during the year.

(2) Shri Manibhai Amin of the Sanitex Chemical Industries Company Ltd. Baroda, donated vitamin pills for the experiment which is conducted at the Camp Road Community Welfare Centre.

(3) The Baroda Municipality, and particularly their Health Officer, Dr. R. J. Majmudar, gave full co-operation in the programme related to health and hygiene.

(4) The staff of District Publicity Office, Baroda and the office of the Regional Publicity Officer, Government of India gave full co-operation in organizing film shows and educational programme in rural areas.

(5) The Baroda Branch of the Indian Red Cross Society gave donation of milk powder.

(6) The Trustees of the Jean and Howard Norman Trust Fund, Australia, have donated Rs. 8,000/- for the expansion of the Mental Hygiene and Psychiatric Clinic.

CHAPTER XVII - ORIENTAL INSTITUTE

1. Buildings.

The Oriental Institute is accommodated on the first floor of a government building named the Record Tower Building, where accommodation is leased to the University at a nominal rent of Re. 1/- per year.

2. Staff.

During the year under report the staff consisted of 1 Director, 1 Deputy Director, 2 Superintendents, 1 Translation Assistant, 10 Class III and 5 class IV servants.

3 Work of the Institute.

The main work of the Institute is research and publications. The the publications are issued under the following series :

1. Gaekwad's Oriental Series
2. Shri Sayaji Sahityamala
3. Shri Sayaji Balajnanamala
4. Shri Sayaji Gramavikasamala
5. Shri Matusri Jamnabai Smarak Granthamala
6. Shri Shishujnanamala
7. Shri Sayajirao Gaekwad Honorarium Lectures
8. The Maharaja Sayajirao III Golden Jubilee Momorial Lectures
9. Journal of the Oriental Institute (Quarterly)

The Institute arranges the sale of these publications as well as of the publications of the other institutions of the University.

Since 1952, the University has undertaken through the Institute the publication of a critical and illustrated edition of Valmiki Ramayana. Besides this, as a part of the scheme of co-ordination of the teaching of Sanskrit in the University, five members of the Institute are recognised as post-graduate teachers in Sanskrit for M.A. The Director was guiding six Ph.D. students and one M.A. student (offering Epics and Puranas as an optional subject) of the Faculty of Arts. The Deputy Director also guided two M.A. students of the Faculty of Arts in Ancient Indian History and Culture. He also gave guidance to Dr. Klaus Bruhn of Hamburg University, who is working on Jain Shrines at Devagadh and Khajuraho, in the Deccan College Post-Graduate Research Institute, Poona.

4. Library and Reading Room.

The Library of the Institute has two sections: (i) The Manuscript Section and (ii) The Printed Book Section.

(i) Manuscript Section :

This section has a collection of 14,138 manuscripts in Sanskrit, Pali, Apabhramsa and other classical Indian languages of which 79 were added during the year. 94 MSS were lent to outside institutions, 800 were issued to different scholars for work on the premises of the Institute and 3 MSS were borrowed from the outside institutions during the year under report.

(ii) Printed Book Section :

This section had a stock of 15,727 books of the value of Rs. 1,69,000/- approximately, of which 601 were purchased during the year at a cost of Rs. 2,000/-. The library has open-shelf system. 1,315 books were issued to students and 351 to teachers during the year. On an average 28 students and 16 teachers made use of the Reading Room every day. Besides the facility of referring to manuscripts and for reading printed books, the Reading Room provides 125 Journals which are received by the Institute on exchange basis.

5. Gaekwad's Oriental Series.

Editing and publication of the Series is one of the main activities of the Institute. The Director works as the General Editor of the Series. 122 volumes have already been published under this series, 5 were in the press, and 24 under preparation. Two volumes as under were published during the year :

GOS. No. CXXIV : Bharata's Natyashastra with the commentary of Abhinavagupta, Vol. III, edited by Pandit M. Ramakrishna Kavi.

GOS. No. CXXV : Trisastisalakapurusacaritra of Hemachandra translated into English by Dr. (Miss) Helen M. Johnson, Osceola, Mo. U.S. 5 Vols.. Vol. No. IV.

The following were the four volumes which were in the stage of publication during the year under report :

GOS. XXIV : Tantrarahasya, a work on Prabhakara School of Purva Mimansa by Ramanujacharya, second revised edition,

GOS. XXXVI : Bharata's Natyasastra with the commentary of Abhinavagupta, second revised edition of Vol. I.

GOS. CXVIII : Gurjararasavali, a collection of several old Gujarati Rasas edited by late Professor B. K. Thakore, late Shri M. D. Desai and Shri M. C. Modi.

GOS. CXXI : Dhurtasvamibhashya on the Shrautasutra of Apastambha edited by Shri M. A. Chinnaswami Shastri, Vol. I.

The work of printing 8 works selected by the Sangita Nataka Academy, New Delhi, were taken up for publication in the GOS.

The publications in this series are sent to eminent scholars of Indology in India and abroad and to research institutions all over the world.

The sale proceeds of the books in this series during the year came to Rs. 10,173-6-6.

6. Translation Branch.

This branch of the Institute carries on the publication work of books under series 2 to 8 mentioned in para 3. The following work was done during the year :

(i) *Shri Sayaji Sahitya Mala :*
" Dalpatram-Eka-Adhyayana " by Shri H. H. Buch was published.
Two books—(1) Shri Vallabhacharya by Shri K. K. Shastri and (2) Vaidika-Sangita Ane Anya Lekho, by Shri V. S. Desai were in the stage of publication.

(ii) *Shri Matushri Jamnabai Smarak Granthamala :*
The book " Gruhajivanaman Strinun Sthana " by Shrimati Sarojini Mehta was under preparation.

(iii) *Shri Sayaji Balajnanamala :*
" Shakuntala " by Shri R. N. Pathak was published.
Two books " Apani Vanaspati " by Dr. J. D. Oza and " Apani Khanijasampatti, " by Dr. N. M. Shah were under preparation.

(iv) *Shri Sayaji Gramavikasamala :*
" Shakabhajini Vadi " by Shri M. S. Pandya and " Khetina Samanya Ojaro " by Shri N. C. Shah were prepared. Five more books : (1) " Pashuvaidyaka " by Dr. L. V. Rishi, (2)

"Gramarachana" by Shri B. J. Shukla, (3) "Soil Conservation and soil of different types" by Shri K. C. Patwa, (4) "Preservation of Corn" by Shri R. C. Tripathi and (5) "Krishi Kendro" by Shri M. S. Pandya were under preparation.

(v) *Shri Shishujnanamala:*

Two books (1) "Gujaratanan Pakshichitro" by Shri Somalal Shah and Shri Pradyumna Desai and (2) "Roopan Ane Pario" by Kumari Mayaben Mehta were published.

(vi) *Sir Sayajirao Gaekwad Honorarium Lectures:*

Lectures on the "Geology and Mineral Resources of India with reference to Gujarat and Bombay State" by Dr. D. N. Wadia, Geological Adviser to the Government of India was published.

Lectures on the "Ancient Indian Colonization in South East Asia" by Dr. R. C. Majumdar were under print.

The sale proceeds of all the seven series and Professor B. K. Thakore's publications came to Rs. 3,660-4-6 during the year.

7. Ramayana Department.

The Department with the necessary staff of 1 Superintendent, 1 Ramayana Assistant and 24 part-time workers continued the work of collation for the critical and illustrated edition of the Valmiki Ramayana. 86 Ramayana MSS in ten different scripts were collated for the Balakanda. Besides, the work of preparing concordance of four principal printed editions of Ramayana and the index of quarter verses of Ramayana was carried on. The collation of Ramayana commentaries of Mahesvaratirtha, Govindaraja and Ramavarman was completed for the Balakanda. Some rare and out of print literature pertaining to Ramayana was purchased.

The Ramayana MS. Balakanda dated L. Samvat 241 (1360 A.D.) on palm leaves in the Maithili script belonging to the Palace Library, Darbhanga, was acquired through the kind efforts of Dr. Rajendra Prasad, the President of India and its microfilm was taken in the Institute. The transcripts of Ramayana MSS in different scripts were also obtained. The publication of the first ten Sargas of Balkanda to be undertaken on completion of the collation of the Ramayana MSS. was decided and a

Prospectus of the critical and illustrated edition of the Valmiki Ramayana was published by the Director. The Prospectus was very warmly received by eminent scholars of India, Europe and America.

8. Journal of the Oriental Institute.

The Institute publishes a quarterly Journal. During the year under review Vol. III, No. 4 and Vol. IV, No. 1 and Nos. 2-3 (combined), in all 4 numbers were published. Many institutions and learned societies maintain exchange relations with the Journal, The number of subscribers to the Journal was 50 and its sale proceeds during the year came to Rs. 603-6-0.

9. Other publications by the members of the staff.

The following were the other publications by the members of the staff during the year 1954-55:

(*a*) *Articles or Papers:*

	Name	*Title*	*Where published*
1.	Shri G. H. Bhatt. Director	Prospectus of the Critical and Illustrated Edition of Ramayana	Oriental Institute, Baroda
2.	Dr. U. P. Shah, Deputy Director	Vikramaditya-saga, Parts I and II	Journal of the Oriental Institute, September-October, 1954 and March, 1955.
		An early Bronze of Parsvanatha in the Prince of Wales Museum	Bulletin of the Prince of Wales Museum, Bombay, No. 3, 1954.
		Jaina Sculpture from Ladol (North Gujarat)	Bulletin of the Prince of Wales Museum, Bombay No. 3, 1954.
		A few early Bronzes from Lilva Deva (North Gujarat)	Bulletin of the Baroda Museum, Vol. IX, 1954.
		Gujaratani Guptakalin Shilpa Samrddhi	Kumar, November, 1954. to June, 1955.
		Maharshi Vedavyasano Manaviya Drṣtikon, translation from Hindi	Akhandananda, June, 1955.
		Vasundhara the daughter of Vikramaditya	Paper read before the History Congress, Ahmedabad, 1954.
		Vaijaladeva Chauhan the author of Prabodhachandrika	Paper read before the History Congress, Ahmedabad, 1954.

Name	*Title*	*Where published*
	Coinage of the Early Chalukyas of Anahilavadapattan	Paper read before the Numismatic Conference being published in the forth-coming issue of NSI.
	Holy Abu-English translation of the Gujarati Guide to Abu	Shri Yashovijaya Jain Granthamala, Bhavanagar, 1954.
	So-called Mauryan Polish in Jain Literature	Journal of the M. S. University, March 1955.
3. Shri J. S. Pade, Superintendent, MSS. Section	Phalajyotisaca Pramanyavada	Jnanesvara, November 1954.
	Caturvarnyam	Jnanesvara, February, 1955.
4. Dr. Y. J. Tripathi, Translation Assistant	Ajatavada in Gujarati	Journal of the Oriental Institute, December, 1954 and March, 1955.

(*b*) *Books:*

Shri J. S. Pade, Superintendent MSS. Section	Tambulamanjari	Journal of the Oriental Institute, September 1954 and June 1955.

10. Other important events.

The Institute organised an exhibition in the Central Hall of the Faculty of Arts on the occasion of the Corner Stone Laying Ceremony of the building of the University Library and the Oriental Institute by Dr. Rajendra Prasad, the President of India on the 16th November, 1954. It had three sections: (i) Ramayana Department, (ii) GOS publications and (iii) Mala publications. On the occasion, the President and other eminent persons visited the exhibition.

11. Distinguished Visitors.

The following were some of the distinguished persons who visited the Institute during the year:

1	Shri Benegal Ram Rau, Governor, Reserve Bank of India.	6-7-1954
2	Sheth Pranlal Devakaran Nanji, Bombay.	6-7-1954
3	Shri R. S. Hukerikar, Chairman, Bombay Legislative Council.	20-7-1954
4	Shri V. T. Krishnamachari, Deputy Chairman, Plannning Commission.	17-10-1954

5	Members of the Indian Association of Pathologists	24-11-1954
6	Dr. and Mrs. W. Norman Brown, Professor of Sanskrit, University of Pennsylvania, U.S.A.	6-12-1954
7	Dr. Basudev Narain, Vice-Chancellor, Patna University.	5-1-1955
8	Dr. Klaus Bruhn of Hamburg University, Deccan College, Post-Graduate Research Institute, Poona.	22-1-1955
9	Shri B. D. Laroia, Education Officer, University Grants Commission.	5-3-1955
10	Dr. Ludo Rocher, Research Scholar, Belgian National Foundation for Scientific Research, Deccan College, Post-graduate and Research Institute, Poona.	14-3-1955
11	Mr. Walter Harding Murer, Division of Orientalia, Library of Congress, Washington, D.C.	14-3-1955
12	Shri B. N. Datar, Union Deputy Minister for Home Affairs.	18 4-1955
13	Dr. K. De Vreese, Lecturer in the University of Leiden, Holland.	17-5-1955
14	Shri D. N. Wandrekar, Deputy Minister for Backward Class, Bombay State.	8-6-1955

12. Department of Chronology of Gujarat.

(a) *Compilation work*:

A scheme of compilation of the Chronology of Gujarat from the earliest period to 1947 A.D. in three volumes in English and Gujarati (Devanagari Script) has been undertaken by the University. A separate department for this work was started in the Oriental Institute in November, 1952 with Dr. M. R Majmudar as General Editor.

The work of compilation of Volume I (from the Pre-history of Gujarat to 942 A.D., the end of the Chavada rule) is taken up source-wise by a Board of Contributors consisting of Dr. M. R. Majmudar (General Editor), Dr. A. N. Jani, Professor H. R Kapadia, Dr. H. G. Shastri and Shri A. V. Pandya.

Bulletin No. II was published in November 1954, with a specimen map of Modern Gujarat, with list of ten 'Periods' covered under Volume I, to be accompanied with corresponding ten Maps and typical and representative illustrations of Paleoliths, Microliths and other antiquities, Epigraphical records on stone and copper-plate, coins, seals and sealings, architectural remains, sculptures, bronzes and wall-paintings.

The Bulletin was referred to by Dr. N. P. Chakravarti in his presidential address at the Ahmedabad Session of the Indian History Congress held from the 27th to the 29th December, 1954.

The compilation of dates and events from the various contributors for Volume I is nearing completion.

Besides, the General Editor, accompanied by the Photographer, conducted tours to Ajanta and Elora caves and to Bagh caves near Dohad in the Panchmahal District and to Patan for exploration and research in connection with the sheme. The results of these tours are being studied and will be made available for reference in an Album, with descriptive notes in due course.

(*b*) *Other activities of the General Editor*:

He was appointed as Secretary of Section V and a member of the Exhibition Committee of the Indian History Congress Session at Ahmedabad. He read the following two papers in the Local History Section :

(1) A newly discovered MSS. of Hemachandra Suri's "Abhidhanamamala" (Sanskrit lexicon) on the old Gujarati Synonyms, illustrated in the Gujarati style.

(2) Two unpublished Gujarati Epigraphs on 'Amari' (non-slaying of animals).

Dr. Majmudar was co-opted in June 1954 as an Honorary Member on the Gujarat-Sub-Committee for the History of the Freedom Movement in India. He is supervising the inspection of the Baroda State records bearing on the freedom movement.

His paper on the "Arts & Crafts in Gujarat and Saurashtra" was published with illustrations in the Baroda Science Congress Souvenir, January 1955.

His paper on "Illustrated MSS. of Saundarya Lahari and Siva Mahimna Stotra in the late Western Indian Style" with illustrations was published in the Bulletin of the Baroda Museum in March 1955.

CHAPTER XVIII—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

1. Buildings.

The present building of the College of Indian Music, Dance and Dramatics at Sursagar was occupied by the College in June 1952.

The stage of the College has now been equipped with spot-lights, velvet curtain and other stage requirements.

2. Courses of studies.

The College offers the following courses :

(1) Two years' post-graduate course leading to the degree of Master of Music (M.Mus.).

(2) Four years' course in Music (Vocal and Instrumental, Sitar, Violin, Dilruba and Tabla), Dance (Bharat Natyam and Kathak) and Dramatics, leading to the degree of Bachelor of Music (B.Mus.).

(3) Two years' Advanced Diploma Course in Kathak Dance.

(4) Five years' course in Vocal Music, Sitar, Dilruba, Violin and Tabla, leading to the Diploma in Music (Dip. Music).

(5) Three years' courses leading to the Diploma in Dance (Dip. Dance) and Diploma in Dramatics (Dip. Dramatics)

(6) Three years' S.S.C. course in Vocal Music.

3. Number of students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :

Class	*Men*	*Women*	*Total*
Diploma Classes			
First year	106	58	164
Second year	51	24	75
Third year	29	23	52
Fourth year	20	5	25
Fifth year	14	5	19
Total	220	115	335

Degree Classes

First year	3	2	5
Second year	5	3	8
Third year	3	4	7
Fourth year	2	1	3
Total	13	10	23

4. Staff.

During the year under report the staff consisted of a Principal in the grade of a Reader, 1 Visiting Professor, 2 Honorary Visiting Lecturers, 2 Senior Lecturers, 3 Junior Lecturers, 1 Tutor, and 23 Ustads (Teachers in Music, Dance, including Part-time teachers etc.), 6 Class III and 9 Class IV servants.

The following experts were also invited to give demonstrations during the year:

S. No.	*Name*	*No. of Lectures*	*Dates of Lectures*	*Subject of the lecture*
1	Shri Sarosh Mody	2	17th & 18th Sept. 1954	Make-up Methods.
2	Shrimati Rita Chatterjee	3	17th, 18th, & 19th Sept. 1954	Indian Classical Dances.
3	Shri Dhansukhlal Mehta	3	22nd, 23rd & 24th Nov. 1954	History of the Amateur Theatre in Gujarat.
4	Shri Rambhai Baxi	3	25th, 26th & 27th Nov. 1954	Karuna Rasa.
5	Ustad Vilayat Hussain Khan	1	29th Nov. 1954	Agra Gayaki. On 28th Nov. 1954 he demonstrated Agra Gharana Gayaki.
6	Ustad Ahmed Jan Thirakwa		30th Nov. 1954	Demonstrated Tabla Baj of Different Gharanas.
7	Shri Madhukar Randeria	3	1st, 2nd & 3rd Dec. 1954	Hundred Years of Gujarati Theatre.
8	Shri Berkley Hill	3	9th, 10th & 11th Dec. 1954	Voice Training.

Sr. No.	*Name*	*No, of Lectures*	*Dates of Lectures*	*Subject of the lecture*
9	Shri Nathu Ravat	1	14th Dec. 1954.	Demonstration Programme on Indian Puppet Drama.
10	Shrimati Indu Saraiya	3	8th & 9th Jan. 1955	Intonation and elocution.
11	Shri Hiralal Kapadia	1	13th Jan. 1955	The Jain records about Music, Dance and Dramaturgy (B.C. 600 upto the present day)
12	Shri N. J. Pathak	3	12th, 15th & 16th Jan. 1955	Ekanki
13	Shrimati Tarla Gandhi	2	21st & 22nd Jan. 1955	Voice—A medium in acting. Recent trends in British Drama.
14	Shri P. Sambamoorthy	2	29th & 30th Jan. 1955	Music and Introduction to Music students of North India. The Music & Tala contents of BharatNatya.
15	Shri Jaswant Thakar	4	1st, 2nd, 3rd & 4th Feb. 1955	History of Indian Drama and Bharat Natya.
16	Shri T. D. Janorikar	1	12th Feb. 1955	The life sketch of Late Khansaheb Amanally Khan and one Demonstrartion.
17	Shri E. Krishna Iyer	3	14th, 15th & 16th Feb. 1955	Bharat Natya and other Dances of Tamilnad.
18	Shri V. C. Desai	2	24th, and 25th Feb. 1955	Kirana Gharana. History of Art.
19	Shri P. Y. Altekar	3	28th Feb., 1st, & 2nd March 1955	The History of Marathi Stage. Acting with special reference to speech. Tempo Rhythm in speech and how it helps to express emotions.

5. Library and Reading Room.

The Library has been completely reorganised dividing the books into five separate parts *viz.*, (i) Music, (ii) Dance, (iii) Dramatics, (iv) Reference books and (v) Miscellaneous books. A good number of books regarding Music, Dance and Dramatics were added. The following are the figures showing average daily attendance and circulation of books:

Sr. No.	*Particulars*	*Number*
1	Average number of students making use of the Library and the Reading Room daily	35
2	Average number of teachers making use of the Library and Reading Room daily	23
3	Total number of books issued to students during the year	282
4	Total number of books issued to teachers during the year	248

The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1954-55:

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1	Books (including back numbers of Journals) as on 1-7-1954.	585	4,297- 4-0
2	Books written off during the year	—	—
3	Books added during the year	842	3,805-14-3
4	Books as on 30-6-1955	1,427	8,103- 2-3
5	Journals subscribed during the year	23	421-11-0
6	Amount spent on binding during the year	—	124-14-0
7	Total amount spent on Library and Reading Room during the year		4,352- 7-3

6. Museum, Laboratories etc.

The College has a small museum of ancient instruments of various types. It is also proposed to have a museum of old costumes. A Physics Laboratory has been established to teach the students the principles of sound and a part-time lecturer has been appointed for this work. An amount of Rs. 1,500 has been spent on the equipment of the Physics Laboratory including the requisite furniture.

The expenditure during the year under report on the Physics Laboratory is as follows:

Sr. No.	*Item*	*Cost of equipment as on 1-7-1954* Rs.	*Cost of equipment written off during the year* Rs.	*Cost of equipment added during the year* Rs.	*Cost of equipment as on 30-6-1955* Rs.
1	Physics Laboratory	1,500 (approx.)		290-3-3	1,790-3-3

7. Publication by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55:

(i) *Articles or Papers:*

	Name	*Title*	*Where published*
(1)	Shri Mohan Khokar	Bharat Natya in Baroda	Souvenir of S.I. Natyakala Conference, Madras, 1954-55
(2)	—	Memorial to the Urdhva Tandava	Souvenir of Shanmugananda Fine Arts Sabha, Bombay, 1954-55

(ii) *Books:*

	Name	*Title*	*Where published*
(1)	Shri R. C. Mehta	Gujarati Geya Kavita (Literary Criticism)	Shri Gajanan V. Joshi, Ahmedabad 1954.

8. Other literary and cultural activities.

(1) A Gujarati Play "Analde" was performed on the 2nd and the 29th August, 1954 by the staff and the students of the College.

(2) The death anniversary of Shri Vishnu Digambar was celebrated on the 21st August, 1954 by the staff and the students of the College.

(3) Pandit Bhatkhande Anniversary was celebrated by the staff and the students of the College on the 12th September, 1954 in the morning and the evening with a programme of vocal and instrumental music in the Nyaya Mandir hall.

(4) A programme of music, dance and drama was arranged by the staff and the students of the College in the Nyaya Mandir hall on the 3rd October, 1954 for the Bihar Relief Fund. An amount of Rs. 2,180/- was collected and handed over to the University for the fund.

(5) An entertainment programme was given by the students and the staff of the College on the 17th October, 1954 at the time of the Annual Convocation.

(6) An exhibition of " Gujarati Theatre Opera of the last one hundred years " was held on the 18th, the 19th and the 20th October, 1954 by the College.

(7) The students and the staff of the College celebrated " Shri Haridas Swami Jayanti " and gave a music programme of Dhrupad and Dhamar on the 20th November, 1954.

9. Co-curricular Activities.

(1) An entertainment programme of Music was given by Shri Gajanan Thakore and students of the College on the 31st July, 1954.

(2) Women students of the College took part in the Garba Competition held on the 16th October, 1954 during the University Week celebrations and a silver cup was won at the competition by the College.

(3) Social Day was celebrated on the 19th December, 1954.

(4) The students and the staff of the College gave programmes of music, dance, drama and orchestra on the 5th and the 6th January, 1955 at the time of the 42nd Session of the Indian Science Congress at Baroda.

10. Tutorial and Class work.

As a majority of the subjects are of a practical nature, weekly tests were arranged in the class-rooms and at the end of the month they were recorded on the tape recorder and played before the students and their defects and good points were discussed with them.

This method proved of great help to the students and checked many faulty developments. Besides this, fortnightly written tutorials were given regularly in the theory subjects and the students were given grades which were taken into consideration at the time of the annual test.

11. Distinguished Visitors.

The following distinguished persons visited the College during the year under report :—

	Name	*Date of visit*
1.	Mr. Dong Kingman—American Artist	13-8-1954
2.	Shri Govindrao, President, Marathi Literary Congress	10-11-1954

	Name	*Date of visit*
3.	Shrl C. S. Venkatachar, Secretary to the Government of India, Ministry of States, New Delhi.	23-11-1954
4.	Two memebrs of the British Council	17-12-1954
5.	Shri Govardhan Panchal and other prominent actors of Indian National Theatre	15-1-1955
6.	Dr. John Guy Fowlkes, Adviser to the Ministry of Education,Government of India.	28-1-1955

CHAPTER XIX—BARODA SANSKRIT MAHAVIDYALAYA

1 Building and hostel.

The institution has been occupying from the beginning the building called " The Temple of Radhavallabh " which is in the possession of the Devasthan Department and for which a monthly rent of Rs. 70/- is paid. It has a hostel also in a hired building accommodating twenty students.

2 Courses of studies.

The institution offers courses in three stages as under:

(a) The Uttama Kaksha or Special Pandit course of four years' duration is split up into two courses, the Shastri course extending over the first two years and Acharya course extending over the last two years in the subjects of:

(i) Nyaya and Vaisheshik Darshan, (ii) Samkhya Yoga and Vedant Darshan, (iii) Purva Mimamsashastra, (iv) Vyakaranshastra, (v) Dharmashastra, (vi) Jyotsihashastra and (vii) Sahityashastra.

Of the seven branches only four branches *viz.* Vyakaran, Jyotish, Dharmashastra and Sahityashastra worked during the year under report.

(b) The Madhyama Kaksha or Advanced course of five years' duration leading to the diploma of ' Visharada ' in each of the branches of (i) Grammar and Literature, (ii) Astrology and Astronomy and (iii) Ayurveda, with English compulsory for all branches.

Under the Ayurveda Branch of the Advanced course, only the Final Year worked during the year under report.

(c) The Prathama Kaksha or Elementary course of two years' duration in each of the branches of (i) Yajurveda Yajniki, (ii) Rigveda Yajniki and (iii) Purana with Grammar and Literature compulsory for all the branches.

The certificate of ' Upadhyaya ' is awarded to the successful candidates of the branches of Yajurveda Yajniki and Rigveda Yajniki and that of ' Pauranik ' to those of the branch of Purana.

3. Number of students.

The number of students enrolled in the various classes at the commencenment of the year 1954-55 was as under:

Kaksha and Branch	*Number of students* Years												*Total*
	I	*II*	*III*	*IV*	*V*	*VI*	*VII*	*VIII*	*IX*	*X*	*XI*	*XII*	
Prathama Kaksha:													40
Yajurveda Yagniki	26	9	5	—	—	—	—	—	—	—	—	—	8
Rigveda Yagniki	4	2	2	—	—	—	—	—	—	—	—	—	5
Purana	3	—	2	—	—	—	—	—	—	—	—	—	
Madhyama Kaksha:													20
Grammar				9	3	4	3	1	—	—	—	—	11
Astrology and Astronomy				7	1	2	1	—	—	—	—	—	3
Ayurveda				—	—	—	—	3	—	—	—	—	
Uttama Kaksha:													4
Grammar				—	—	—	—	—	1	—	1	2	1
Astrology and Astronomy				—	—	—	—	—	—	—	—	—	3
Dharma Shastra				—	—	—	—	—	2	2	1	—	10
Sahitya Shastra				—	—	—	—	—	4	—	4	—	
Total...	33	11	9	16	4	6	4	4	7	2	7	2	105

4. Staff.

During the year under report the staff of the institution consisted of the Principal, 12 Adhyapakas, 2 Class III and 4 Class IV servants.

5. Library and Reading Room.

(a) The institution has a small library for the use of the members of the staff only.

(b) The number of books and periodicals in the library purchased during the year and the expenditure incurred on that account are as follows :

	Particulars	*Number*	*Cost in Rs.*
1	Books in the library as on 1-7-1954	2,791	8,215-14-5
2	Books transferred to SUPARU during the year	166	571-11-9
3	Books added during the year	31	154- 4-0
4	Books as on 30-6-1955	2,656	7,798- 6-0
5	Journals subscribed during the year	8	57- 6-0
6	Amount spent on binding during the year	—	30- 0-0
7	Total amount spent on Library and Reading Room during the year	—	196- 7-0

6. Publications by the members of the staff.

The following were the publications by the members of the staff during the year 1954-55 :

(a) *Articles or Papers :*

Sr. No.	*Name*	*Title*	*Where published*
1	Shri Hariprasad C. Mehta	Article on Shri Narsinhacharya as a Sadguru.	Shri Narsinhacharya Centenary Commemoration Volume, 1955.
2	Shri Kalikaprasad C. Shukla.	Samyavada of Gita.	Journal, Bharatiya Vidyabhavan—Bulletin, Bombay, September, 1954.

7. Other literary and cultural activities.

(1) Under the auspices of Sharadopasak Mandal, the following extension lectures in Sanskrit were arranged during the year under report :—

Sr. No.	*Subject*	*Date*	*Lecturer*
1.	Grahlaghav	31-7-1954	Shri J. R. Joshi
2.	Mahavaiyakaran Bharatrihari	29-8-1954	Shri K. C. Shukla
3.	Jimutvahan Ka Daibhag	25-9-1954	Shri S. V. Bhattbhatt
4.	Study of Sanskrit on Modern Lines	6-10-1954	Shri P. M. Modi
5.	Mahakavi Bhasa	5-2-1955	Shri D. K. Velankar
6.	Chitra Mimamsa	19-2-1955	Shri N. M. Pandya
7.	Dhvanyaloka	5-3-1955	Shri H. C. Mehta
8.	Bhagwatdharma	19-3-1955	Shri M. R. Joshi

(i) Shri H. C. Mehta, Principal, delivered a lecture in Sanskrit on the subject of " How to promote the study of Sanskrit now-a-days " under the presidentship of Dixitarji, Principal, Mumbadevi Sanskrit Mahavidyalaya, Bombay in the Bharatiya Vidya Bhavan, Bombay.

(ii) Some teachers took part in the parliamentary debate in Sanskrit on the subject of ' Shakuntal is the all in all of the poet Kalidasa ' in the Shardotsava celebrated under the auspices of the Sharadopasak Mandal in the month of October 1954 under the presidentship of Professor D. Subbarao, Dean, Faculty of Technology (including Engineering), Baroda.

(iii) A parliamentary debate in Gujarati was also organised under the presidentship of Shri H. C. Mehta on the subject of " What should be the medium of higher instruction—Regional Language or National Language ? " during the Shardotsav celebrated under the auspices of the Shardopasak Mandal.

8. Co-curricular activities.

(i) The institution arranges debates in Sanskrit called ' Shastriyavada ' and lectures in Sanskrit by the students as well as by Adhyapakas by turn on every Friday in the institution with a view to giving training to the students in the art of elocution in Sanskrit.

(ii) Shardopasak Mandal consisting of the students and the teachers of the institution celebrated ' Sharadotsav ' during the month of October, 1954.

(iii) Some films of health interest were shown to the students of the institution by the Honorary University Medical Offier on the premises of the institution.

(iv) During the year under report a batch of students with Shri K. C. Shukla, Uttma Kaksha Vyakaran Adhyapaka, was sent on an educational tour to Banaras for a period of 13 days from the 1st January 1955.

The party visited all institutions noted for the Sanskrit learning. A public function was arranged under the joint auspices of Bharatiya Sahitya Mahavidyalaya, Shastrarth Mahavidyalaya and Birla Sanskrit College, Banaras to present the tourists an address of welcome in Sanskrit and congratulate the University of Baroda on sending the students of Sanskrit Mahavidyalaya, Baroda on an educational tour to Banaras in accordance with modern educational practice.

(v) Shri H. C. Mehta, Principal, has been nominated by the University on the Council of Sanskrit Vishva Parishad under section 25(c) of its constitution. He attended the meeting of the Sanskrit Vishva Parishad Council at Bombay on the 2nd January, 1955.

9. Other important events.

(i) The Sharadopasak Mandal organised a Kavi Sammelan during the Sharadotsav in the month of October 1954, under the presidentship of Dr. R. N. Vale, Educational Inspector, Baroda District, Baroda.

(ii) The Second Year of Acharya in Sahityashastra started working from the 15th June, 1955.

(iii) The students of the Sanskrit Mahavidyalaya who have passed the 'Shastri' examination of the Mahavidyalaya are now considered eligible for admission to the B.A. class of the Faculty of Arts provided that they

(a) have passed the S. S. C. examination as required under O. 157 A ; and

(b) have passed the Inter Arts examination of the University in the following subjects :

(1) English, (2) three subjects excluding Sanskrit out of the optional subjects prescribed for the examination.

These students are allowed to offer only 'Sanskrit' as their principal subject while reading for the B.A. degree examination.

(iv) Sheth Shri D. H. Gandhi gave a donation of Rs. 7,525/- for the purpose of making a gift of text-books to the successful students in the annual examinations of the Baroda Sanskrit Mahavidyalaya, from the interest of the sum donated, during the beginning of the first term of every academic year.

The University, by way of encouragement to Sanskrit learning, contributed a sum of Rs. 2,500/- to the above sum and created a permanent fund of Rs. 10,025/- in the name of 'Shri Gandhi Dharamdas Haribhai Pustak Pradan Fund' as per conditions laid down by the donor.

10 Distinguished Visitors.

The following were some of the distinguished visitors who visited the Mahavidyalaya during the year :

1	Members of the Board of the Suddha Ayurvedic Course appointed by the Government of Bombay	18-11-1954
2	Dr. W. Brown, Professor of Sanskrit, University of Pennsylvania.	7-12-1954
3	Swami Advaitananda of Bharat Sevashram Sangh	10-12-1954
4	Mr. Walter Harding Maurer, Fulbright Scholar in Sanskrit and Dr. L. Rocher, Professor of Sanskrit, University of Gzhent, Belgium.	14- 3-1955

CHAPTER XX—INTERMEDIATE COLLEGE

1. Buildings.

During the year 1954-55 the Intermediate College continued holding its classes in the Baroda College building. The First Year Arts and the First Year Commerce classes were held in the two new halls and the other division of the F. Y. Arts class was held in one big room in the Commerce Faculty wing. The Intermediate Commerce class was held in one of the big rooms on the Commerce side. The Intermediate Arts class was, according to the recommendations of the Board of Visitors, divided into two divisions and as there was only one big room available, the time-table was so arranged that each of the divisions had to attend the college at 10-40 a. m. instead of at 11-30 a. m. for some days of the week. The students of the class were combined for subjects where the total number of students for the subject did not exceed 120; where the number exceeded this limit in subjects like English, Logic and Cultural History, the class was divided into two divisions of about 100 students each. One disadvantage of this want of a separate room for the second Intermediate Arts division was that in the time-table there were certain periods on some days when a group of students had no lectures.

2. Courses of studies.

The College offers courses leading to F. Y. Arts, Inter Arts, F. Y. Commerce and Inter Commerce examinations.

The College continued giving instruction in the courses framed and introduced by the University in June 1951. The First Year Arts class was divided into two divisions of about 120 each. The First Year Commerce class with about 145 students had only one division.

The experiment of having small classes was continued during the year. The F. Y. Arts class was divided into four small groups of about 50 students each for the purposes of teaching English. One teacher was in charge of each of the groups and this method enabled the teacher to know his students intimately and to teach them in a more satisfactory manner. In these small classes the students were able to answer questions without being nervous, and get their difficulties solved. During the last two years, this system of having small classes has proved

very successful. If and when the necessary staff is available, it should be expanded to all the First Year classes.

3. Number of students.

The number of students enrolled in the various classes at the commencement of the year 1954-55 was as under :

Class	*Men*	*Women*	*Total*
First Year Arts 'A'	93	27	120
First Year Arts 'B'	85	36	121
Inter Arts 'A'	82	38	120
Inter Arts 'B'	59	27	86
First Year Commerce	148	—	148
Inter Commerce	113	1	114
Total :	580	129	709

4. Staff.

The teaching staff is attached to the Faculties of Arts and Commerce. The other staff continued to be as under : 4 Class III and 10 Class IV servants.

5. Library and Reading Room.

(a) The College library has 6,655 books on different subjects taught in the College as well as on the subjects of general interest to the students. During the year new books worth about Rs. 1,800/- were purchased for the library. Several maps dealing with the cultural and political history of India were acquired for the Library.

(b) The College Library and Reading Room are housed in a room near the College office. According to the suggestions of the Board of Visitors, the library was kept open from 11-00 a m. to 5-30 p.m.

(c) A Reading Room was also maintained. A large number of dailies and periodicals in several languages were subscribed. Nearly two hundred students took advantage of the Reading Room every day. Special arrangements were made for girl students.

(d) The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1954-55 :

	Particulars	*Number*	*Cost in Rs.*
1	Books (including back numbers of Journals) as on 1-7-1954	2,662	13,600-0-0
2	Books written off during the year	—	—

	Particulars	*Number*	*Cost in Rs.*
3	Books added during the year	302	1,375-0 0
4	Books as on 30-6-1955	2,964	14,975-0-0
5	Amount spent on binding during the year.	—	154-0-0
6	Journals subscribed during the year	18	207-8-0
7	Total amount spent on Library and Reading Room during the year	—	1,736-8-0

6. Co-curricular activities.

(a) Auxiliary Cadet Corps

A.C.C. is compulsory for all students of the College. The students had A.C.C parades in the morning thrice a week on the ground outside the compound of the Faculty of Technology (including Engneeriing). The lady students staying in the Hall of Residence and localities near the railway station had their parades on the ground of the Faculty of Home Science. In addition to drills the students played Volley Ball, Basket Ball and Indian team games.

(b) *National Cadet Corps* :

The students of the College joined the N.C.C. in large numbers and out of 315 cadets in the N.C.C. about 50 students were from the College. A majority of these joined the N.C.C. camp at Palanpur in December, 1954 and the N.C.C. group at Aarey Milk Colony near Bombay in May, 1955. They participated in the labour service organised during these camps.

(c) *Games* :

The College students took a keen interest in major games like cricket, foot ball, hockey, badminton, etc. Six students from the College were in the University Cricket XI and they played in the Inter-University tournaments at Poona. Shri R. D. Patel (Int. Com.) and Shri R. Parmar (Int. Arts) played for Baroda in the Ranji Trophy tournaments. In Table-Tennis Shri Jhirad (Int. Com.) won five open doubles titles and represented Maha Gujarat in the 17th Inter-State Table-Tennis tournament held in Baroda. In Badminton Shri S. G. Shirke (Int. Com.) won one doubles title in open Baroda tournament and did well to place the College

second in Inter-Faculty Badminton tournament. In Tennis Shri M. P. Parmar (F. Y. Arts) won the University Singles Championship and represented the University in the Inter-University Tennis tournaments.

(d) *College Representative Council :*

The council was very helpful in keeping the relations between the staff and the students quite cordial. The students had certain difficulties which were removed when they were brought to the notice of the Principal. On the whole, the council helped considerably in maintaining discipline throughout the year.

(e) Debating Society :

The Intermediate College has built up a sound tradition in debating skill and during the year also the young debators—boys and girls—from the college won their laurels in several fields. Several debates were organized by the College Debating Society as well as by the Committee for debates which the University had appointed during the year. In the Inter-Faculty debates organized by the Committee several students of the College took an active part and four students especially made their mark as skilful debators. They were Kumari Chhaya from Inter Arts Class, Shri Dhaval Mehta from F. Y. Commerce Class and Kumari Shrikantan and Shri Deshpande from F. Y. Arts Class. Shri Dhaval Mehta with Kumari Shrikantan represented the University in the Hindi debate during the first Inter-University Youth Festival at Delhi and got the first prize. Kumari Chhaya won the second prize in the Gujarati Extempore Speeches Competition organized by the All India Radio between the representatives of the Gujarat and Baroda Universities. Kumari Shrikantan won the third prize in the English Extempore Speeches Competition organized by the M. S. University Union. Shri Deshpande was one of the speakers who participated in the debate organized by the University Union when a team of three debators from the British Universities visited Baroda during December, 1954.

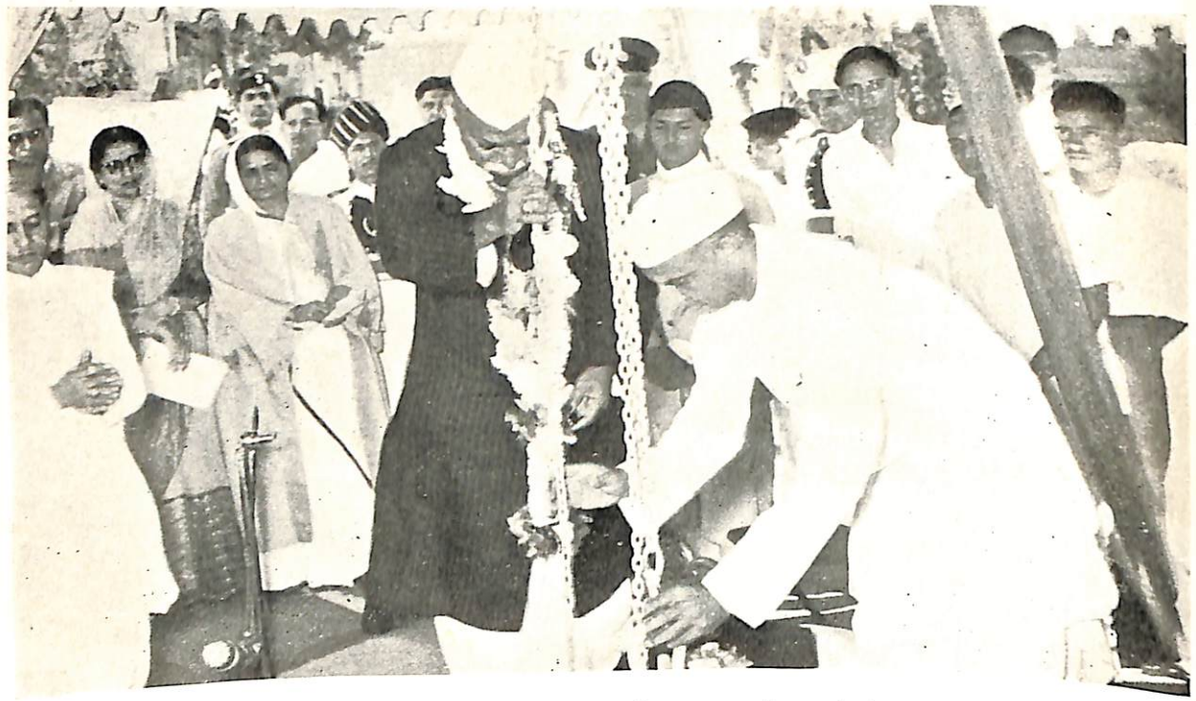
Besides these, the following Associations functioned during the year under report :

(1) Gujarati Sahitya Sangh
(2) Commerce Society
(3) Geography Association
(4) Music Circle
(5) Dramatic Society

(6) The Poor Boys' Library Committee
(7) College Magazine Committee
(8) Students' Association

7 Tutorials and Class work.

The tutorial system worked very satisfactorily during the year. As there was a tendency on the part of the students to absent themselves from the terminal examination, it was decided to include marks obtained by students in different subjects in this examination also towards the final tutorial marks with the result that nearly 90% of the students prepared well and appeared for examination. The Tutors set tutorial exercises in consultation with the teachers, examined them and then called the students in small batches to explain their mistakes and to solve their difficulties. To enable the Tutors to maintain a proper standard, about 10% of the exercises in each tutorial were examined by one of the teachers in the subject.



Dr. Rajendra Prasad, President of India, laying the corner stone of the new building of the University Library and the Oriental Institute: 16th November, 1954.

CHAPTER XXI—UNIVERSITY LIBRARY

1. Acquisition Notes.

(*a*) *Books*:

The Library received a grant of Rs. 62,000/- ($ 13000.00) from India Wheat Loan Book Exchange Programme, Rs. 30,000/- from the University Grants Commission and Rs. 20,000/- from the University, thus making a total of Rs. 1,12,000/-. This was a substantial amount for the purchase of books and periodicals and it created a problem for the cataloguing section.

The special grants were mostly utilised in purchasing reference books, scientific works, files of periodicals and in removing the gaps in the collection of humanities and social sciences. Out of these orders, the books under India Wheat Loan Programme have been partially received. The rest of them have been fully received.

The following statement gives an idea of book acquisition during the year :

	Books	*Bound Periodicals*	*Pamphlets*	*Manuscripts*	*Others*
Number at the beginning of the year	33,595	556	Nil	Nil	Nil
Number added during the year	6,575	282	750	1	117
Number withdrawn from records	Nil	Nil	Nil	Nil	Nil
Total number at the end of the year	40,170	838	750	1	117

The Library acquired a beautifully illustrated manuscript in Gujarati entitled "Panchakhyana" written in 16th century at a cost of Rs 1,725/- This manuscript has been very useful in the research programme of the Gujarati Department. The Library also acquired by way of gift 302 volumes (of the value of Rs. 12,000/-) of the important indexes and bibliographies from the U. S. Book Exchange Inc., and the Library of Congress, Washington D. C.

(b) *Periodicals*:

Thanks to the University Grants Commission, the library streamlined its acquisition of general and scholarly periodicals befitting the University

Library. The total number of periodicals and scholarly journals subscribed for now stands at 477. Care has been taken to ensure that the periodicals and journals subscribed by the various Faculties and Institutions of the University are not duplicated at the University Library. The total number of journals subscribed by various Faculties amount to 407.

2 Lending and reference services.

The Library remains open from 8-0 a.m. to 8-0 p.m. on week days and from 2-0 p.m. to 8-0 p.m. on Saturdays. It is also kept open on Sundays and holidays during the months of annual examinations in order to give more facilities to the students.

The number of readers registered in various categories were as follows:

1.	Research students	20
2.	Post-graduate students	85
3.	Under-graduate students	1,155
4.	University teachers	39
5.	Others	40
		1,349

The average daily attendance and circulation of books were as under:

1.	Average number of readers visiting the Reading Room	102
2.	Average number of books issued per day	55
3.	Total number of visits to the Reading Room	3,587
4.	Total number of books issued during the year	16,530
5.	Total number of books issued for reference	2,287

3. Personnel.

An appointment on the post of the University Librarian was made from November 1954. Dr. C. P. Shukla, the Assistant Librarian, who had gone to U.S.A. for further studies returned in November 1954 and he was appointed on the post. Dr. Shukla studied at the University of Michigan and obtained the degrees of M.A., and Ph.D. in Library Science. He also obtained practical experience in the Library of Congress. With the premission of the University he was appointed Principal Cataloguer in the Orientalia Division of the Library of Congress. Dr. Shukla stayed at the Library of Congress for one year and a half.

In order to cope with the additional amount of work by the new acquisitions, additional temporary staff was appointed. An assistant was

appointed to catalogue Professor B. K. Thakore collection and another assistant and typist was appointed to help in general cataloguing of the new acquisitions received during the year. The post of an Assistant Librarian is expected to be filled shortly.

It is envisaged that, in the future set up of the University Library system, some of the Faculty libraries will be merged with the University Library and the rest of them will be brought under closer co-ordination and control. As a first step in this direction an in-service training class for the staff of the libraries of the University was conducted in the month of May 1955. The trainees were given rudimentary training in classification, cataloguing and reference work. They were also briefed about the methods of co-ordinating their work with that of the University Library.

4. New building.

The plan of the building of the University Library was finalised during the year in consultation with the University Engineer and the Head of the Department of Architecture.

A grant of Rs. 5,00,000/- has been given by the University Grants Commission for the construction and equipment of the University Library building and an equal amount has been granted by the Government of Bombay. The construction work, which was temporarily stopped at the plinth, has now been taken up, and it is hoped that the building will be ready in the near future.

CHAPTER XXII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

I. Executive Committee.

When the academic year 1954-55 opened, Shri V. Y. Kantak handed over the charge of Presidentship of the Union, to Shri C. M. Shukla. Shrimati Indiraben Bhanot continued for the third year as Treasurer of the Union.

As required by the constitution of the Union, elections were held in July, 1954 and the following Executive Committee was formed :

1.	Shri C. M. Shukla	President
2.	Shrimati Indiraben Bhanot	Treasurer
3.	Dr. Nanubhai B. Amin	Nominated by the Syndicate
4.	Dr. M. S. Patel	Nominated by the Syndicate
5.	Shri R. M. Amin	Vice-President
6.	Shri K. M. Patel	General Secretary
7.	Shri H. B. Kothari	Joint-Secretary
8.	Shri F. D. Patel	Secretary, Reading Room and Library
9.	Shri N. N. Patel	Secretary, Indoor Games
10.	Shri K. H. Tahiliani	Secretary, Debating Society
11.	Shri R. T. Parikh	Representative, Faculty of Arts
12.	Shri B. C. Patel	Representative, Faculty of Science
13.	Shri G. V. Shah	Representative, Faculty of Science
14.	Shri D. C. Desai	Representative, Faculty of Commerce
15.	Shri J. U. Trivedi	Representative Faculty of Education and Psychology
16.	Shri B. S. Machhi	Representative, Faculty of Technology (including Engineering)
17.	Shri K. A. Patel	Representative, Faculty of Technology (including Engineering)
18.	Shri P. V. Mahendale	Representative, Faculty of Technology (including Engineering)
19.	Shri B. C. Patel	Representative, Faculty of Medicine
20.	Shri R. Parimoo	Representative, Faculty of Fine Arts

21.	Shri M. R. Thakkar	Representative, Intermediate College
22.	Kumari K. C. Patel	Representative, Faculty of Home Science
23.	Kumari V. Subramanyam Subbalaxmi	Nominated by the Syndicate
24.	Kumari Neeldhara P. Desai	Nominated by the Syndicate

As required by Ordinance 1 and Ordinance 9 of the University the following members were nominated on the University Board of Sports and Students' Welfare Board.

University Board of Sports : 1. Shri N. N. Patel and 2. Shri B. S. Machhi.

Students' Welfare Board : 1. Shri K. M. Patel, 2. Shri R. M. Amin, and 3. Kumari K. C. Patel.

The Union Executive Committee formed the following Committees for various Union activities keeping in view the aims and objects as laid down in the constitution of the Union :

1. Reading Room and Library Committee
2. Indoor Games Committee
3. Debating Society
4. Public Lectures and National Day Celebrations Committee.
5. Variety Entertainment Committee
6. U.N.O. Society
7. Bulletin Committee
8. Social Service League
9. Film Club
10. Hiking Club
11. Poor Boys' Library Committee
12. Discussion group
13. Cafeteria Committee
14. Union Co-operative Stores Committee

II. Sub-committees and their activities.

1. Reading Room and Library Committee :

The Union Library is a centre where the students gather and take advantage of the amenities for advancement of their knowledge. The Committee decided to start a scheme of lending books.

2. *Indoor Games Committee* :

This was a busy year in sports. Besides the usual University tournaments in Badminton, Table-Tennis, Carrom, Ring-Tennis, Chess, Draughts and Bridge, a number of tournaments in Badminton and Table-Tennis were conducted by different clubs. Shri H. B. Kale, R. A., Jhirad Shri V. U. Mahida, Kumari R. F. Mogrelia and Kumari L. M. Gaekwad from the University were selected to represent the Maha-Gujarat Table-Tennis Association at the Inter-State Table-Tennis Tournament held in Baroda in November 1954. The Inter-Faculty Table-Tennis tournament was played on a league basis.

It was the first time that this University participated in the Inter-University Badminton tournament for ladies. The team consisted of the following players :

1. Kumari N. M. Gurjar,
2. Kumari R. C. Sinh,
3. Kumari D. P. Wadia.

Open Badminton tournaments were conducted for the first time by the Union. The Badminton tournament was a great success. A Badminton team consisting of Shri S. G. Shirke, Shri A. C. Patel and Shri Y. G. Patel was sent to represent the University at the Open Badminton tournament held at Ahmedabad in February 1955.

3. *Debating Society* :

The Society started its activities with an extempore elocution competition. Thirty five different subjects, divided under four heads *viz.* Social, Political, Scientific and Light were offered. The competition was open to all the students and was not on the Faculty basis. Nineteen speakers from the various Faculties participated in the competition held on the 13th September, 1954 in the Medical College. On 15th October, 1954, the Society conducted the Inter-Faculty debate for the M. N. Wadia Trophy. The debate was staged in the Central Hall and was attended by about one thousand students and members of the staff. The subject of the debate was : " This house refuses to be alarmed or depressed at the prospect of 1984. "

The Society organised an Inter-Faculty debate in Gujarati on the 10th of December, 1954. The subject of the debate was : " સ્ત્રી ઘર ઉપર અને પુરૂષ સ્ત્રી ઉપર રાજ્ય કરવા સરજાએલા છે. "

A very lively debate took place in the quadrangle behind the Central Hall on the 16th December, 1954 when two speakers—Mr. Boswell and Mr. Bruce C. Burton from the Oxford University visited the University. The debate was attended by more than 1200 students, members of the staff and guests.

The Debating Society of the Union was very active throughout the year. One of the students won the first prize in Hindi at Delhi in the elocution competition at the Inter-University Youth Festival, while another student stood first in another Inter-University contest in English. Comparatively more Inter-Faculty debates were held during the year and the number of students taking part in them was very encouraging.

4. *Public lectures and National Day Celebrations Committee* :

The Committee celebrated the following National Days and the following lectures were arranged :—

S.No.	*Days & date*	*Name of the lecturer and subject*	*President*
1.	Sunday 11-7-1954	Shri Chamanlal on ' Daughters of Japan.	Shrimant Maharani Shantadevi
2.	Monday 12-7-1954	Shri Chamanlal on ' Rebirth of Japan '	Professor M. N. Shrinivas
3.	Monday 12-7-1954	Shri Chamanlal on ' Influence of Hindu Culture on Ancient America '	Shrimati Hansa Mehta
4.	Saturday 17-7-1954	Shri Jaypalsinh M. P. on ' India's most Ancient Millions '	Shri Mansingrao Gaekwad
5.	Thursday 29-7-1954	Mr. S. E. Hodgson, Functioning Officer of British Council in Bombay. on ' What a University Union can do in India ? "	Shri C. M. Shukla
6.	Saturday 7-8-1954	Tagore Anniversary Day : Speaker Shri Suresh Joshi. Shri Ramesh Dani sang Bengali songs	Shri Karsandas Manek
7.	Monday 9-8-1954	Acharya Kriplani : Address to the students	Shrimati Hansa Mehta
8.	Sunday 15-8-1954	Independence Day	

Sr.No.	Days & date	Name of the lecturer and subject	President
9.	Saturday 2-10-1954	Gandhi Jayanti Day	

Almost all the functions, lectures and talks organised by the Committee were well attended and appreciated by the students and members of the staff of the University.

5. *Variety Entertainment Committee* :

Under the auspices of the Committee a musical programme was arranged in the Central Hall on the 15th August, 1954.

The Committee celebrated the 2nd October, 1954 by arranging a programme of devotional songs and speeches related to the life and ideals of Mahatma Gandhi.

The Committee gave open air entertainment on the Republic Day to overcome the difficulty of accommodating all students. The programme was a great success.

6. *U. N. O. Society* :

(a) U.N.O. Day : On the 24th of October, 1954, United Nations' 9th Anniversary was celebrated. In order to avoid any duplication of celebrations, a joint programme in co-operation with the City U.N.O. Society was drawn up. A procession through the main streets of the city and a public meeting in the City Park (Jubilee Garden) were the main items of the celebration. Shri C. M. Shukla addressed the gathering on behalf of the Students' Union and Shrimati Hansa Mehta presided. In addition the Society organised an essay competition on 'Building for Peace'. Shri K. M. Desai (Jr. B. Com.), Shri Gopinath Menon (Inter-Science), Kumari Anila Chhaya (Inter-Arts) received first, second and third prizes respectively.

(b) Human Rights Day : In connection with the 6th Aniversary of the Universal Declaration of Human Rights which falls on the 10th December a symposium on "Human Rights" was organised. Deans of the Faculties of Arts and Commerce, Shri C. N. Bhalerao and Shri N. M. Miyabhoy, District and Sessions Judge Baroda participated and discussed the various aspects of the declaration.

A film show with U.N.O. work in underdeveloped countries was also put up. A large number of people from the city attended the show.

7 *Film Club* :

The following films were exhibited in the first term :

S.No.	Date		Name of the film	Received from
1.	20-8-1954	1	Voices under the Sea	British Information Services, Bombay
		2	A Sailor is Born	—
		3	Gates of Power	Columbia Films of India Ltd., Bombay
	26-9-1954	4	Loves of Carmen	

The picture 'Loves of Carmen' was exhibited in order to help the Bihar-Flood Relief Fund for which Rs. 277-8-0 were collected. The amount was sent to the Assam Bihar Flood Relief Fund through the Registrar of the University. Looking at the interest of the students in the films, a Film Club Society was started in the month of January, 1955. Nearly a dozen pictures were shown by the Society.

8. *Hiking Club* :

The Hiking Club arranges hikes with a view to encouraging the spirit of adventure among the students. Last year they visited Mount Abu. This year the students were sent to Girnar (Saurashtra) during the first fortnight of January, 1955. During the summer vacation an expedition to Milan Glacier was successfully undertaken. This was the first Indian party of its type visiting Milan Glacier. The only 'Kund' on the Glacier (hitherto unnamed) was named "The Sayaji Kund" by the party, It will be known by that name henceforth. The hiking party was the only University party to undertake the venture in response to the Government of India's offer.

9 *Poor Boys' Library Committee* :

The above Committee is doing all it can to help the poor students in getting books which they cannot buy from the market. During the year nearly 100 poor and deserving students were given books from the Library. Several costly books beyond the reach of poor students have been purchased. Care is taken to see that the books provided are standard text-books recommended by the specialists of the different subjects. During the year the Executive Committee has sanctioned a large sum for the Library and the lists of standard books are invited from Professors of the different subjects concerned. Moreover on Independence Day, a collection of

Rs. 202-8-0 for the Library was made from the students and the staff of the University and citizens of Baroda.

10. *Cafeteria Committee*:

The Cafeteria in the Union was started during the University Week and was inaugurated by Shrimati. Hansa Mehta, Vice Chancellor, on the 14th October, 1954. Under the Chairmanship of the Dean, Faculty of Home Science, the first committee consisting of two members from each Faculty and eight additional members from the Faculty of Home Science was formed for the management of the Cafetaria. The Committee met three times after the opening of the Cafeteria. The Cafeteria was kept open on all working days from 5-30 p. m. to 7-30 p.m. A part-time cook was appointed for cooking and the sale of tickets, service, etc. were carried out by the members of the Committee who were on duty. A profit of Rs. 13-12-6 was cleared at the end of November 1954. In the second term by the middle of February, 1955 it was decided to close it as it seemed that the students were busy preparing for their examinations and hence the number of students daily visiting the Cafeteria was decreasing. On the whole a good number of students used to take advantage of the Cafeteria.

11. *M. S. University Union Co operative Stores Ltd.*:

During the year under report the Union Co-operative Stores also made progress. A band of willing workers who sincerly worked for the Stores raised the sale of the stores to a very high level. In the first term the total sale one day reached the limit of Rs. 100/-. It was really a noteworthy chievement.

III. University Week.

One of the activities of the Union during the year was the organisation of the University Week celebration. For the first time the University Week celebration was given over to the Union by the Syndicate of the University and the Union spared no pains to make it a success. The programme of the week consisted of the Inauguration by the Chancellor on Tuesday the 14th October, 1954. It was followed by Exhibition Games, Inter-Faculty Sports, Inter-Faculty Trophy Debate, Inauguration of the M. S. University Alumni Association, Torch Procession, Kavi Sammelan in all languages, Entertainment programmes and Prize distribution. A noteworthy feature of the programme was the institution of two contests—one for the Inter-Faculty Garba award and the other for the Inter-Faculty Drama Trophy.

A Silver Trophy for Garba was donated by Dr. R. K. Trivedi, a member of the Syndicate, and a Silver Trophy for Drama was donated by Shri M. B. Amin, Director of the Sanitex Chemicals Ltd. These two contests will henceforth be a permanent feature of the University Week. Exhibitions were separately put up by the College of Indian Music, Dance and Dramatics and the Oriental Institute. The organisation of the University Week proved to be a success and the University authorities may now permanently leave it in the hands of the University Union.

IV Inter-University Youth Festival.

Another high light of the year was the Inter-University Youth Festival held at New Delhi in which the University participated along with 25 other Universities. The arrangements for the participation in the programme of the Festival were made by the University Union. The University took part in all events and won the following prizes:

1. First prize in Instrumental Music (Sitar) competition–(Shri S. G. Pathan)
2. First prize in Hindi Elocution Competition–(Shri D. J. Mehta)
3. Third prize in Radio Play competition
4. Third prize in Folk–Dance competition

The Vocal Music (Ladies) was highly commended

Later the Drama Group also staged a play in Delhi at the invitation of the Delhi Gujarati Samaj under the Chairmanship of Shri H. M. Patel, Secretary to the Ministry of Food and Agriculture, Government of India.

CHAPTER XXIII—VISITS, LECTURES AND DEPUTATIONS

I. Visits.

The following distinguished persons visited the University during the year :

1. Shri V. T. Krishnamachari, Deputy Chairman, Planning Commission, Government of India, New Delhi was invited to address the graduates at the Fourth Annual Convocation of the University held on the 17th October, 1954. He arrived in Baroda on the 17th October, 1954 and stayed for the next three days. He delivered an instructive address to the graduates at the Convocation. He also visited the Faculties of Arts, Science, Education and Psychology, Commerce, Medicine, Technology (including Engineering), Fine Arts, Home Science, the Rural Welfare Centres at Atladra and Samiala and the Oriental Institute of the University. He showed great interest in the scheme of the publication of the critical edition of Valmiki Ramayana.

2. Shri R. P. Naik, Secretary to the Government of Madhya Pradesh, Education Department, Nagpur accompanied by Shrimati Kusum Mehta, Principal, M. H. College of Home Science for Women, Jabalpur, visited the Faculty of Home Science on the 9th August, 1954.

3. Mr. Jack Masey, Exhibits Officer, United States Information Services, New Delhi and Mr. Dong Kingman visited the Faculty of Fine Arts and organised an exhibition of the works of Mr. Dong Kingman from the 13th to the 15th August, 1954.

4. Shri A. R. Deshpande, Special Officer (Social Education), Community Projects Administration, Planning Commission, New Delhi visited the Faculty of Social Work, its Rural Welfare Centres at Atladra, Bil and Samiala and University Halls of Residence and Faculties on the 9th, 10th and the 11th September, 1954.

5. Dr. and Mrs. W. Norman Brown, Professor of Sanskrit, University of Pennsylvania visited the Oriental Institute, Archaeology Department of the Faculty of Arts, Sanskrit Mahavidyalaya, the Baroda Museum and Picture Gallery and the Faculty of Home Science on the 6th, 7th and the 8th December, 1954.

6. Shri A. C. Guha, Union Minister for Revenue and Defence Expenditure visited the Faculty of Technology (including Engineering) on the 17th February, 1955.

7. Shri W. X. Mascarenhs, Chief Engineer (Roads and Buildings), Public Works Department, Government of Bombay, Bombay went round the following new University buildings and appeared satisfied with the quality of work in the University :

1 Fourth Hall of Residence—Professor T. K. Gajjar Hall
2 University Sports Pavilion
3 Home Science College
4 New block of the Faculty of Fine Arts

8 Shri Jagjivanram, Minister for Communications, Government of India, visited the Textile Technology Department of the Faculty of Technology (including Engineering) and the Faculties of Fine Arts, Home Science and Social Work and the University Halls of Residence on the 16th April, 1955.

9 Shri B. N. Datar, Deputy Minister for Home Affairs, Government of India, New Delhi, visited the Textile Technology Department of the Faculty of Technology (including Engineering) and the Faculties of Fine Arts, Home Science and Social Work, the Atladra Rural Welfare Centre, Oriental Institute and the University Halls of Residence on the 18th April, 1955.

2. University extension and other lectures.

(i) The following lectures were delivered under the auspices of the University during the period under report :—

S. No.	*Date of the lecture*	*Name of the lecturer*	*Subject*
1.	30th August, 1954 31st August, 1954	Shri T. S. Avinashilingam Chettiar	Some Trends in Basic Education
2.	17th September, 1954 18th September, 1954	Shri Sarosh Mody	Make-up Methods
3.	17th September, 1954 18th September, 1954 19th September, 1954	Shrimati Rita Chatterjee	Indian Classical Dances

S. No.	Date of the lecture	Name of the lecturer	Subject
4.	12th October, 1954 13th October, 1954 14th October, 1954 15th October, 1954	Shri T. R. Gairola	The Cleaning and Presvaertion of Metals The Conservation of Prints, Drawings and Manuscripts
5.	22nd November, 1954 23rd November, 1954 24th November, 1954	Shri Dhansukhlal Mehta	History of the Amateur Theatre in Gujarat
6.	22nd November, 1954 23rd November, 1954 24th November, 1954 25th November, 1954 26th November, 1954	Shri J. Gabrial	Preparation and Preservation of the Skins of Birds and Small Mammals
7.	25th November, 1954 26th November, 1954 27th November, 1954	Shri Rambhai Baxi	Karuna Rasa
8.	29th November, 1954	Ustad Vilayat Hussain Khan	'Agra Gayaki'. On the 28th November, 1954 he demonstrated 'Agra Gharana Gayaki.
9.	29th November, 1954 1st December, 1954	Dr. Squeri	Art Education
10.	30th November, 1954	Ustad Ahmed Jan Thirakwa	Demonstration of Tabla Baj of Different Gharanas
11.	1st December, 1954 2nd December, 1954 3rd December, 1954	Shri Madhukar Randeria	Hundred Years of Gujarati Theatre
12.	4th December, 1954 5th December, 1954 6th December, 1954	Shri R. R. Bhardwaj	Photography
13.	9th December, 1954 10th December, 1954 11th December, 1954	Shri Berkley Hill	Voice Training
14.	14th December, 1954	Shri Nathu Ravat	Demonstration Programme on Indian Puppet Drama
15.	16th December, 1954	Shri P. M. Joseph	Relation of Physical Education and Education
16.	18th December, 1954 20th December, 1954	Shri C. Shivrammurti	Indian Sculpture
17.	24th December, 1954 25th December, 1954 26th December, 1954	Professor M. C. Chakrabarti	Design of Experiments

S. No.	Date of the lecture	Name of the lecturer	Subject
18.	8th January, 1955 9th January, 1955	Shrimati Indu Saraiya	Intonation and Elocution
19.	12th January, 1955 13th January, 1955	Dr. E. P. Link	Education in a Welfare State
20.	12th January, 1955 15th January, 1955 16th January, 1955	Shri N. J. Pathak	Ekanki
21.	13th January, 1955	Shri Hiralal Kapadia	The Jain records about Music, Dance and Dramaturgy (B.C. 600 upto the present day)
22.	(i) 21st January, 1955 (ii) 22nd January, 1955	Shrimati Tarla Gandhi	Voice—A Medium in Acting Recent Trends in British Drama
23.	24th January, 1955	Shri R. S. Deshpande	Housing and Modern Architecture
24.	24th January, 1955	Dr. J. C. Marfatia	Concept of Mental Disease
25.	28th January, 1955	Dr. John Guy Fowlkes	Talks to students
26.	(i) 29th January, 1955 (ii) 30th January, 1955	Shri P. Sambamoorthy	Karnatic Music and Introduction to Music students of North India. The Music and Tala Content of the Bharat Natya.
27.	1st February, 1955 2nd February, 1955 3rd February, 1955 4th February, 1955	Shri Jaswant Thakar	History of Indian Drama and Bharat Natya
28.	(i) 2nd February, 1955 (ii) 3rd February, 1955 (iii) 4th February, 1955 (iv) 10th February, 1955 (v) 11th February, 1955 (vi) 11th February, 1955 (vii) 12th February, 1955	Professor B. R. Shenoy	Deficit Financing since Independence Non-Inflationary Deficit Financing Economic Consequences of Deficit Financing. Indian Economic Progress with Stability Fundamental Disequilibrium and Exchange value of the Rupee The Second Five-Year Plan—Some Problems The Convertability of the Rupee

S. No.	Date of the lecture	Name of the lecturer	Subject
29.	4th February, 1955	Dr. L. English	Relation of Psychiatry to Medicine
30.	5th February, 1955 6th February, 1955	Professor R. V. Parulekar	Co-ordination of the work of Rural and Urban Secondary School
31.	(i) 10th February, 1955 (ii) 11th February, 1955	Shrimati Tarabai Modak	Child Education in the Rural Area in India. The Project of the Vikas Wadi, Bordi
32.	10th February, 1955 11th February, 1955 12th February, 1955	Dr. S. Paramasivan	The Cleaning and Preservation of Metals
33.	12th February, 1955	Shri T. D. Janorikar	The life sketch of Late Khansaheb Amanally Khan
34.	12th February, 1955 13th February, 1955	Shri Karl J. Khandalawala	Indian Art
35.	(i) 14th February, 1955 (ii) 15th February, 1955 (iii) 15th February, 1955	Dr. Harry Edgren	Leadership Techniques and Audience Response Mental Hygiene and Social Group Work (with special reference to religious, racial, cultural and caste prejudice) Place of Recreation in Modern Education.
36.	14th February, 1955 15th February, 1955 16th February, 1955	Shri E. Krishna Iyer	Bharat Natya and other Dances of Tamilnad
37.	17th February, 1955 18th February, 1955 19th February, 1955	Dr. A. Aiyppan	Audo-Visual Aids in Museum
38.	19th February, 1955 20th February, 1955	Shri S. Dasgupta	Advertising
39.	(i) 24th February, 1955 (ii) 25th February, 1955	Shri V. C. Desai	Kirana Gharana History and Art
40.	(i) 28th February, 1955 (ii) 1st March, 1955 (iii) 2nd March, 1955	Shri P. Y. Altekar	The History of Marathi Stage Acting (with special reference to speech) Tempo Rhythm in speech and how it helps to express emotions

S. No.	Date of the lecture	Name of the lecturer	Subject
41.	(i) 9th March, 1955		Protective Gear
	(ii) 10th March, 1955	Shri M. S. Thacker	Inter-connected system and Power system Stability
	(iii) 10th March, 1955		Hydro-Electric Power Development in India
42.	12th March, 1955 13th March, 1955 14th March, 1955	Shri C. S. Shah	Ceramics in Baroda
43.	(i) 14th March, 1955		Modern Trends in ideas on Evolution (from Botanists' point of view)
	(ii) 15th March, 1955		Evolution of Land Plants (Lower)
	(iii) 15th March, 1955		Evolution of Land Plants (Higher)
	(iv) 16th March, 1955	Dr. T. S. Mahabale	Experimental Morphology
	(v) 16th March, 1955		Place of Botanical Studies in University Education
	(vi) 17th March, 1955		Evolution of Flower and the Origin of Flowering Plants
	(vii) 17th March, 1955		Palms
	(viii) 18th March, 1955		Plants, Drugs and Ayurvedic Research
44.	During both the terms	Professor H. K. Doring	(i) Preparation of Artificial Leaves and Flowers in Wax Medium (ii) The making of cast and models in plaster, wax, papier-mache and other media (iii) Organizing an exhibit including a study of the background, show-cases, lighting etc. (with special reference to habitate group case) (iv) Cleaning and repairing stone and marble sculptures and antiquities

(ii) No lectures were delivered under the auspices of the Sayajirao Gaekwad Honorarium Lecture Series and the Maharaja Sayajirao III Golden Jubilee Memorial Lecture Series during the year as the learned lecturers invited for the two series could not come to Baroda to deliver the lectures.

3. Deputation to Conferences.

The following members of the University staff were deputed to attend the various conferences shown against their respective names as delegates of the University during the year under report :

	Name of the member of the staff	*Name of the conference and date of its meeting*
1	Dr. (Shrimati) R. P. Devadas Shrimati K. G. Karandikar Kumari P. S. Chari Kumari S. Malhan and Shrimati R. Mukerji (Faculty of Home Science.)	Biennial Conference of the Home Science Association of India at New Delhi from the 20th to the 23rd September, 1954.
2	Shri V. P. Dandekar (Faculty of Arts)	37th Marathi Sahitya Sammelan at New Delhi from the 1st to the 5th October, 1954.
3	Kumari J. C. Merani (Faculty of Social Work)	5th National Seminar on the organisation of Recreational and Cultural Activities in Social Education at Mysore from the 11th to the 21st October, 1954.
4	Shri C. S. Patel and Shri I. A. Dave (Faculty of Arts)	Gujarati Adhyapak Sangh at Visnagar on the 12th and the 13th October, 1954.
5	Dr. N. G. Kalelkar (Faculty of Arts)	A Conference and a Seminar for the Development of French Language in India at Poona from the 12th to the 22nd October, 1954.
6	Shri T. P. Lele and Shri L. J. Bhatt (Faculty of Education and Psychology)	2nd Seminar on Educational and Vocational Guidance to New Delhi from the 1st to the 3rd November, 1954.
7	Shri F. Fernandes (Faculty of Educacion and Psychology)	3rd Conference of Training Colleges at Hyderabad from the 25th to the 28th November, 1954.

	Name of the member of the staff	*Name of the conference and date of its meeting*
8	Shri D. M. Patel and Dr. A. G. Javadekar (Faculty of Arts)	29th Session of the Indian Philosophical Congress at Paradeniya, Ceylon from the 17th to the 22nd December, 1954.
9	Shri H. C. Malkani (Faculty of Arts)	37th Annual Conference of the Indian Economic Association at Agra from the 22nd to the 24th December, 1954.
10	Shri C. C. Shah (Faculty of Science)	20th Conference of the Indian Mathematical Society at Hyderabad from the 24th to the 26th December, 1954.
11	Dr. S. B. Mahabal (Faculty of Commerce) and Shri V. Sunder Raian (Faculty of Arts)	15th Annual Conference of the Indian Society of Agricultural Economics at Allahabad from the 26th to the 28th December, 1954.
12	Shri K. S. Desai (Faculty of Arts)	17th Indian Political Science Conference at Muzafferpur (Bihar) from the 26th to the 28th December, 1954.
13	Dr. (Kumari) Parin Vakharia (Faculty of Social Work)	Annual Session of the Indian Conference of Social Work at Lucknow from the 26th to the 30th December, 1954.
14	Dr. B. J. Sandesara, Shri G. B. Pandya, Shri R. K. Murti and Dr. S. C. Misra (Faculty of Arts) and Dr. M. R. Majmudar General Editor, Chronology of Gujarat	17th Session of the Indian History Congress at Ahmedabad from the 27th to the 29th December, 1954.
15	Shri D. G. Apte, (Faculty of Education and Psychology) and Shri B. L. Shanbhogue (Oriental Institute)	29th Session of the All-India Educational Conference at Patna from the 28th to the 31st December, 1954.

	Name of the member of the staff	*Name of the conference and date of its meeting*
16	Shri U. S. Bhatnagar (Faculty of Arts)	12th Annual Session of the Bharatiya Hindi Parishad at Jaipur from the 29th to the 31st December, 1954.
17	Shri B. G. Shah (Faculty of Commerce)	Indian Commerce Association at Jaipur on the 30th, the 31st December, 1954 and 1st the January, 1955.
18	Dr. D. V. Gogate (Faculty of Science)	20th Annual Meeting of the Indian Academy of Sciences at Belgaum from the 26th to the 29th December, 1954.
19	Shrimati Ansuya Krishnamurti and Kumari Shiroo Contractor (Faculty of Home Science)	Child Welfare Conference at Indore from the 29th to the 31st January, 1955.
20	Shri S. S. Merh (Faculty of Technology including Engineering) and Kumari V. A. Janaki (Faculty of Science)	A Symposium on Ground Water at Delhi on the 1st and the 2nd February, 1955.
21	Kumari S. Malhan (Faculty of Home Science)	6th All India Pediatric Conference at Lucknow from the 21st to the 23rd February, 1955.
22	Dr. A. N. Jani (Faculty of Arts)	Akhil Bharatiya Sanskrit Sammelan at Delhi from the 26th to the 28th March, 1955.
23	Professor T. K. N. Menon (Faculty of Education and Psychology)	Conference of Specialists in the field of Psychology and Education at New Delhi in March, 1955.
24	Shri Y. V. Surendranath (Faculty of Arts)	Indian National Commission for UNESCO Seminar in Hyderabad from the 9th to the 18th April, 1955.
25	Professor D. Subbarao (Faculty of Technology including Engineering)	14th Annual General Conference of the Association of the Principals of Technical Institutions at Bangalore on the 17th and 18th April, 1955.

	Name of the member of the staff	*Name of the conference and date of its meeting*
26	Dr. I. P. Desai (Faculty of Arts)	1st Indian Sociological Conference at Dehradun from the 17th to the 19th April, 1955.
27	Shri N. M. Patel (Faculty of Science)	Special lectures on Ballistics at New Delhi from the 9th to the 25th May, 1955.
28	Shri S. D. Manerikar and Shri C. C. Shah (Faculty of Science)	Conference of Mathematicians at Dharwar from the 25th to the 28th June, 1955.

CHAPTER XXIV—STUDENTS' WELFARE ACTIVITIES

1. University Halls of Residence.

(a) Buildings :

In an effort to increase and improve the residential accommodation for its students, the University has so far constructed four halls of residence—three for 390 men students and one for 200 women students ; over and above the new residency hostel which has since been named Shri Dadabhai Naoroji Hall ; Bungalow No. 11 and two hired buildings in the city *viz.*, Haribhakti building and Keshavprasad. One more Hall of Residence named Professor T. K. Gajjar Hall, whose construction was started in March 1954, was nearing completion and was made available for the students in June 1955. It has accommodation for 148 men students. Consequently one of the hired buildings—Haribhakti building was vacated form June 1955.

(b) Number of students in the Halls :

The total number of students in the halls at the end of the year 1954-55 was 590 against 504 in the last year as shown in the following statement :

	Faculty or College	*Shri Manubhai Mehta Hall*	*Maharshi Arvind Hall*	*Dr. Jivraj Mehta Hall*	*Shri Dadabhai Naoroji Hall*	*Bungalow No. 11*	*Salatwada*	*Keshavprasad*	*Smt. Sarojinidevi Hall*	*Total*
1	Arts	13	7	1	3	—	—	—	12	36
2	Science	36	50	3	20	—	—	—	12	121
3	Education and Psychology	19	17	—	8	—	—	—	5	49
4	Commerce	8	3	1	2	—	—	—	—	14
5	Medicine	20	17	3	15	—	—	—	15	70
6	Technology (including Engineering)	10	14	1	—	40	50	26	—	141
7	Fine Arts	1	1	—	1	—	—	—	2	5
8	Home Science	—	—	—	—	—	—	—	64	64
9	Social Work	6	11	—	—	—	—	—	10	27
10	Intermediate College	16	10	5	17	—	—	—	10	58
11	Music College	1	—	—	—	—	—	—	4	5
	Total	130	130	14	66	40	50	26	134	590



Dr. Rajendra Prasad, President of India, at Shrimati Sarojinidevi Hall of Residence: 16th November, 1954.

(c) Administration :

Administration of the halls was carried on by the Syndicate on the advice of the Supervisory Council for the Halls of Residence and the Wardens ' Committee. One of the Wardens continued to work as Convener of the Wardens ' Committee.

Two committees of the students in the Halls were set up to create more interest in the general activities of the Halls and Food Management. They are known as the Central Committee and the Central Food Committee for the Halls. All matters pertaining to students ' welfare are discussed by these committees. The University spent an amount of Rs. 95,206 on the recurring expenses of the halls during the year under report as against Rs. 98,691 in the previous year.

(d) Recreation and other amenities :

All the halls have been provided with well-equipped reading-rooms and spacious common rooms. They have small libraries also. The University has appointed two Honorary Medical Officers—one for men's halls and the other for women's hall. These medical officers visit each hall twice a week and give free medical advice to the students. Arrangements are also made to dispense ordinary medicines to the students on a nominal charge. The Honorary Medical Officer for men also delivered lectures on first aid to the cadets of the N. C. C. and A. C. C. Film shows on hygiene and first aid were also shown to the students by him.

(e) Cultural activities :

The following were some of the functions arranged in the different halls of residence during the year :

1. A musical programme of light and classical music was arranged in Maharshi Arvinda Hall on the 2nd July, 1954.

2. An illustrated lecture on Rebirth of Japan and Germany in Shri Manubhai Mehta Hall by Diwan Chamanlal, a noted Indian Journalist was arranged on the 11th July, 1954.

3. An illustrated lecture on Daughters of Japan in Shrimati Sarojinidevi Hall by Diwan Chamanlal, a noted Indian Journalist was arranged on the 11th July, 1954.

4. A symposium on various aspects of Maharshi Arvind's life was arranged in Maharshi Arvinda Hall on the 20th July, 1954. It was presid-

ed over by Shri Govindlal H. Bhatt, Director of Oriental Institute, Baroda. The following persons took part in the symposium :

1. Shri C. M. Shukla—Arvind as Psychologist
2. Shri Suresh Joshi—Arvind as Poet
3. Shri Jayanarayan Luhar—Arvind and Politics
4. Shri D. M. Patel—Philosophy of Maharshi Arvinda

5. Swami Vimasanandji gave a lecture on the 'Ideal Student' in the Maharshi Arvinda Hall on the 6th August, 1954.

6. 'Bon Voyage' party to the Vice-Chancellor on the eve of her departure to Canada on the 15th August, 1954.

7. Flute recital programme in classical, light and film music in all the Halls of Residence by Shri B. B. Banerjee, a member of All-India Radio on the 25th August, 1954.

8. Shri F. S. Chothia, Vocational Guidance Officer, Government of Bombay gave answers on vocational possibilities in a question-answer meeting arranged in Maharshi Arvinda Hall on the 8th September, 1954.

9. A film show on Five Year Plan was arranged with the help of Publicity Officer, Baroda on the 8th December, 1954.

10. A chat with Dr. Bigelow, Visiting Fulbright Professor in History.

11. A dinner and chat with Dr. T. V. Patel on his return from America. in Shri Manubhai Mehta Hall.

12. Question-answer meeting with Shrimati Rita Chatterjee who talked on 'Dance Forms'.

13. A magic show of Shri Satyaprakash, Psychologist and Magician was arranged in Maharshi Arvinda Hall.

(f) Visits :

1. American Painters visited Shri Manubhai Mehta Hall on the 15th August, 1954.
2. Sir and Lady V. T. Krishnamachari visited Shrimati Sarojinidevi Hall on the 18th October, 1954.
3. Dr. Rajendra Prasad, President of India visited Shrimati Sarojinidevi Hall on the 16th November, 1954.
4. Rajkumari Amrit Kaur, Minister for Health, Government of India visited Shrimati Sarojinidevi Hall and Dr. Jivraj Mehta Hall on the 21st November, 1954.

2. Medical examination of students.

The University arranges every year a medical check up of the students in the beginning of the academic year. During the year under report the medical examination was conducted in the Shri Sayaji General Hospital, Baroda, as usual, from the 9th August, 1954 to the 5th October, 1954 by a board consisting of the following specialists : Dr. T. V. Patel, Dr. P. M. Luhar, Dr. A. B. Kothari, Dr. R. C. Desai, Dr. A. M. Gandhi, Dr. S. H. Shah, Dr. M. S. Sudhalkar and Dr. (Shrimati) I. T. Patel.

The Board checked up 2391 students in all. The results of the examination were recorded in a special form maintained for each student and communicated to the student on a report card. The University Medical Officers attended to the follow-up treatment of the cases marked by the Board for further attention.

3. Physical Education.

(a) Staff:

The University has a separate department of Physical Education to organise the physical education, sports and games for the students. The staff consisted of a Superintendent of Physical Education and 5 Instructors including one Lady Instructor. The Superintendent also acts as the Ex-officio Secretary of the University Board of Sports.

(b) Auxiliary Cadet Corps :

The A.C.C. movement, introduced since June 1953, was continued during the year under report. It replaces the conventional physical training and besides giving enough physical training provided various activities which develop in the students, team spirit, love of corporate life and self-discipline. It also provides for training in social service and appreciation of the dignity of labour. The number of cadets enrolled for the movement was 1,447—1,207 men and 240 women. The A.C.C. students gave a demonstration of a set of physical exercises and the Girls Division performed pyramids and demonstrated lezim exercises on the occasion of the inauguration of the University Week on the 14th October, 1954.

An additional staff of eight part-time officers who were trained under the command of Captain Commanding 6th Bombay Bn. N. C. C. was appointed to help in the organisation of the A. C. C. Student-leaders were also selected and were given training by Army Instructors.

(c) Sports

The University has a number of well-laid out courts and fields for all major games like Cricket, Hockey, Football, Basket ball, Volley ball, Tennis, Badminton, Kho-kho and Hu-tu-tu. An additional permanent 200 meters track and a jumping sand pit were prepared during the year for the use at the Kalabhavan grounds. A.C.C. cadets as well as others took good advantage of these facilities and practised for different sports events. The University sent Hockey, Cricket, Badminton and Tennis teams for participating in the Inter-University tournaments during the year. The Volley ball team besides playing several local matches participated in the matches organised by the Baroda Central Sports Association. The Hockey team entered in the League Tournaments conducted by the Baroda Hockey Association. It also played several matches with local Hockey teams. The Football team participated in the Inter-collegiate competitions organised by the Gujarat Football Association, Ahmedabad and came upto finals but lost to Anand team. One of our athletes stood third in 5,000 meters running race in Hind Vijay Sports and another of our students got championship shield in Ring Tennis Singles. In order to encourage participation in the various major games, Inter-Faculty tournaments were also arranged during the year in games like Hu-tu-tu, Volley-ball and Hockey for men studens and the game of Tennikoti for lady students. There was a good response and a large number of students participated in these tournaments.

(d) Youth and Labour Service Camp:

Besides the usual activities, a Youth and Labour Service Camp was organised from the 1st May to the 21st May, 1955 by the department, near Sankheda. The students constructed an earth road about 880 feet long and 23 feet wide. The earth work estimated to Rs. 3,000/-. Professor P. J. Madan, Professor of Applied Mechanics was appointed the Organiser of the camp. The Vice-Chancellor, the Pro-Vice-Chancellor and the Deans of Faculties visited the camp on the 19th May, 1955. and addressed the students. A special entertainment programme was arranged where the Vice-Chancellor distributed prizes to the winners of the different sports competitions held in the camp.

The labour of the campers has not been wasted as the people of Sankheda have now constructed a pucca metal road on the earth work done.

4. National Cadet Corps.

The University National Cadet Corps—the 6th Bombay Bn. NCC—continued its activity during the year. The staff consisted of one Commanding Officer and 9 N.C.C. Officers from the Faculties. The total enrolment of the cadets was 315—its sanctioned strength. Parades were held twice in a week on Sundays and Wednesdays. Ceremonial parades were held on Independence day, the 15th August, 1954, University Week Inauguration day, the 14th October, 1954, and the Republic day, the 26th January, 1955. A Guard of Honour was also presented to Shri V. T. Krishnamachari, Chief guest of the Convocation on the 17th October, 1954. Students were given training in courses leading to 'B' and 'C' certificates examinations. 51 out of the 57 cadets who appeared for 'B' certificate examination, passed. 10 out of the 12 cadets who appeared for 'C' certificate examination, passed. Seven cadets were sent for NDA selection out of whom 3 were provisionally selected pending permanent posting order. One of the cadets Shri B. B. Phatate who obtained the highest number of marks in the 'C' certificate examination amongst all those who appeared in India in 1953-54, was given an award for the distinction by the Prime Minister of India on the 26th January, 1955.

The Annual Training and Social Services Camp was held at Palanpur on the open grounds of the police headquarters from the 26th November, 1954 to the 12th December, 1954. The annual camp marks the culmination of year's activities, gives opportunities to the officers and cadets of living a corporate life and trains them in discipline and regularity. Besides training, the cadets re-metalled two roads of the length of about 2,200 feet. Camp fire, reclassification firing, sports and entertainment programmes were also arranged. The Collector, the District Superintendent of Police, other Government Officers and members of public of Palanpur visited the camp and appreciated the work done by the cadets.

A party of 24 cadets led by Liet. L. H. Patil attended a combined cadre camp organised by No. 1 Circle N.C.C. at Khadakvasala from the 11th October, 1954 to the 22nd October, 1954. Another party of 50 cadets led by Lt. K. A. Amin attended No. 1 Circle 3rd combined cadre and Social Service camp at Aarey Milk Colony, Bombay from the 15th May, 1955 to the 6th June, 1955.

The Unit was visited by Lt. Col. Britto, No. 1 Circle Commander, Major Kheemsingh, Staff Officer A.C.C. No. 1 Circle and Lt. Col. R. C.

Ghose, Assistant Director of Ordinance Stores, Bombay Area.

The Unit has been provided with a separate building by the University for its office, with spacious parade ground in the vicinity. The N.C.C. Library and the N.C.C. Club are also accommodated in the building. A special ground for sand model, a short range and an air-gun shooting gallery and Rifle club is also provided in the vicinity.

5. General Education Scheme.

The scheme of General Education started in the year 1952-53 has been continued during the year also. The purpose of the scheme is to ensure that the future graduates develop an overall awareness and a scientific attitude and become equipped with basic knowledge of contemporary life in its manifold aspects and develop a cosmopolitan outlook respectful of human values. 4 lectures were arranged for Sr. B.Sc. and B.Sc. (Home) classes during the year. 3 lectures were arranged for Junior B.A. and B.Com. classes.

The University decided in the latter part of the year that in the Preparatory courses in Arts, Science and Commerce, General Education through English be taught as a compulsory subject. The question of having the subject in the degree courses was under consideration.

6. Students' Representative Councils.

These Councils are constituted in each Faculty and Institution consisting of elected representatives of students, where they discuss the various problems concerning themselves and bring them to the notice of the Dean of the Faculty or the Head of the Institution. For discussing the problems concerning all the students of the University as a whole, University Students' Representative Council constituted of one elected representative of each Faculty and Institution is also consistuted. The following were the members of the University Students' Representative Council during the year under report :

1. Shri M. T. Acharya (Junior B.A.), Faculty of Arts
2. Shri T. C. Joshi (Junior B.Sc.), Faculty of Science
3. Shri R. J. Patel (M.A. Psychology), Faculty of Education and Psychology
4. Shri J. J. Sharma (Junior M.Com.), Faculty of Commerce
5. Shri P. V. Mirchandani (Dip. E.E. III year), Faculty of Technology (including Engineering)

6. Shri J. S. Joshi (Vth year), Faculty of Medicine
7. Shri R. M. Pandya (IVth year Degree—Painting), Faculty of Fine Arts
8. Kumari J. Ferdoonji (IInd year), Faculty of Home Science
9. Shri M. R. Thawani (Senior Class), Faculty of Social Work
10. Shri S. M. Parikh (Inter Commerce), Intermediate College
11. Shri J. K. Patwa (1st year Diploma), College of Indian Music, Dance and Dramatics
12. Shri Ramanand Advaitanand (Advanced Course) Baroda Sanskrit Mahavidyalaya.