7

M. S. University of Baroda

Seventh Annual Report

1955-56

NOT TO BE ISSUED

The Maharaja Sayajirao University of Baroda

UNIVERSITY LIBRARY,
BARODA.
REFERENCE SECTION

REFERENCE COLLECTION
SMT. HANSA MEHTA LIBRARY
BARODA.

SEVENTH ANNUAL REPORT

1955-56

UNIVERSITY LIBRARY
THE M. S. UNIVERSITY OF BARODA.

BARODA

REFERENCE COLLECTION
SMT. HANSA MEHTA LIBRARY
BARODA.

Smt. HANSA MEHTA LIBRARY
MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
सत्यं शिवं सुन्दरम्
THE M. S. UNIVERSITY OF BARODA

SEVENTH ANNUAL REPORT 1955-56

(1st July, 1955 to 30th June, 1956)

CONTENTS

Chapter Number	Subject	Pages
I	General	1-41
II	Officers and Authorities of the University	42-45
III	The Senate	46-51
IV	The Syndicate	52-62
V	Other Authorities of the University	63-81
VI	Other Board and Committees	82-100
VII	Research Work in the University	101-118
VIII	Faculty of Arts	119-130
IX	Faculty of Science	131-144
X	(A) Faculty of Education and Psychology	145-160
	(B) University Experimental School	160-167
XI	Faculty of Commerce	168-173
XII	Faculty of Medicine	
	(A) Medical College	174-177
	(B) Sheth Ujamshi Pitambardas Ayurvedic Research Unit	178-180
XIII	Faculty of Technology and Engineering	181-192
XIV	Faculty of Fine Arts	193-200
XV	Faculty of Home Science	201-206
XVI	Faculty of Social Work	207-217
XVII	Oriental Institute	218-227
XVIII	College of Indian Music, Dance and Dramatics	228-234
XIX	Baroda Sanskrit Mahavidyalaya	235-241
XX	Intermediate College	242-247
XXI	University Library	248-251
XXII	The Maharaja Sayajirao University Union	252-261
XXIII	Visits, Lectures and Deputations	262-268
XXIV	Students' Welfare Activities	269-282



His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

SEVENTH ANNUAL REPORT, 1955-56

INTRODUCTION

The idea of establishing a University at Baroda was engaging the attention of the former Government of Baroda State since the year 1909. Some schemes for a University were framed but none of them materialised. In 1925, Baroda University Commission with Professor A. G. Widgery as Chairman was appointed. It made out a strong case for the immediate establishment of a unitary residential University at Baroda having Faculties of Arts, Science, Technology and Architecture and Economics, Commerce and Administration. Besides the Faculties, the University was to have the Institute for Oriental Studies, the Institute for Gujarati Studies, the School of Fine Arts, the School of Nursing and the School of Domestic Science. Provision was also to be made for extension courses, library movement as a University extension movement and compulsory medical examination. Cicumstances, however, were not favourable to the establishment of a separate University, but the idea continued to grow unabated. The following institutions for higher education were established in Baroda during the two decades that followed :

1 The Secondary Teachers' Training College in 1935
2 The Sayaji Golden Jubilee Science Institute in 1934
3 The Pratapsinh College of Commerce and Economics Education in 1942
4 Government orders were passed to establish Medical and Engineering Colleges which ultimately began functioning from 1949.

In 1947, His Highness Maharaja Sir Pratapsinh Gaekwad encouraged the idea of the University and appointed a Committee under the Chairman-

ship of Shri K. M. Munshi to offer practical suggestions for its early establishment. The Committee submitted its report to the Government of Baroda towards the end of the year 1948 and recommended that the University should be primarily a teaching and residential University with an affiliating side to accommodate mofussil colleges and should institute the tutorial system of instruction. All the existing higher educational institutions including the Central Library, the Oriental Institute and the Kalabhavan were to be taken over by the University. The Committee also recommended that Government should give a block grant of Rs. 25 lakhs annually to the University for the first five years.

The Government of Baroda in their order No. (R) 169-39 dated the 21st February, 1949, decided to establish a Residential University for Baroda and to affiliate on its external side, the Colleges at Visnagar, Petlad and Navsari which were situated in the State of Baroda. Due to the subsequent merger of the Baroda State with the State of Bombay, the Baroda Government restricted the jurisdiction of the University to the area within a radius of ten miles of its office. The University started working on the 30th April, 1949 with the following institutions :

(a) Constituent Institutions under the management of the University :

1 The Baroda Arts and Science College
2 The Pratapsinh College of Commerce and Economics
3 The Secondary Teachers' Training College
4 The Kalabhavan and the Engineering College
5 The Music College
6 The Oriental Institute

(b) Constituent College managed by the Government of Bombay:

7 The Baroda Medical College

(c) Constituent recognised Institutions managed by the Government of Bombay :

8 The Baroda Museum and Picture Gallery
9 The Baroda Sanskrit Mahavidyalaya

By June, 1950 the institutions taken over were reorganised into six Faculties of Arts, Science, Education and Psychology, Medicine, Commerce, and Technology and Engineering, and the First Year and Intermediate classes in Arts and Commerce were organised into a separate institution called the Intermediate College. Three new Faculties of Fine Arts, Home

Science and Social Work were also started from June, 1950. The management of the Baroda Sanskrit Mahavidyalaya and the Gujarati Section of the old Baroda High School were taken over by the University from the Government of Bombay in 1951. The University continued to follow Bombay University courses and standards of admissions, examinations, etc. in old Faculties in the academic years 1949-50 and 1950-51. During this period new courses and standards of admissions and examinations were completed and they were introduced year after year from June, 1951 onwards. The first examinations of the University were held in March-April, 1951. Considerable development has been effected in all Faculties and Institutions in the way of improvements in the existing courses and the standard of instruction, starting of new departments and courses, provision of adequate staff, improving old buildings and providing new buildings and sanctioning the necessary grants for Library, equipment and contingent expenditure. The development for the preceding years are described in the six annual reports published so far. This Seventh Annual Report covers the period from the 1st July, 1955 to the 30th June, 1956 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*' and 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 Preparatory 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., M.D., M.S., M.Sc. and post-graduate diplomas in D.O., D.A., D.L.& O., D.M.R. & E., D. Ped., D. V. & D., T.D.D. and D.C.P. The College is managed by the Government of Bombay.

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

(6) Faculty of Technology and Engineering: Provides courses leading to the degrees of B.E. (Civil, Mechanical and Electrical), B.Text. (Eng.), B.Text. (Tech.), 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 and guidance in research for the Ph.D. degree in Textile Chemistry. 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 degrees of B.A. (Fine) and M.A. (Fine), post-diploma and diploma courses in Painting, Sculpture and Applied Arts, diploma courses in Textile Design, post-graduate diploma course in Museology and Certificate courses in Photography, Lithography, Pottery, Wood-work, Bronze-casting and Process and Block making.

(b) College of Indian Music, Dance and Dramatics: Provides courses leading to the degrees of B.Mus. and M.Mus. and diplomas in Music (Vocal and Instrumental), Dance and Dramatics, an advance diploma course in Dance and a three year S.S.C. course in Vocal Music.

(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 experiments and observations 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 Preparatory and Intermediate examinations in Arts and Commerce.

(11) The Museum and Picture Gallery (Managed by the 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 :

Statement showing the number of students in the University at the commencement of the year 1955-56

Institution	Post-graduate courses		Degree Courses		Diploma Courses		Total		Grand total	Grand total of 1954-55	Grand total of 1953-54
	Men	Women	Men	Women	Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11	12
1 Faculty of Arts	108	20	279	83	..	..	387	103	490	408	399
2 Faculty of Science	63	4	972	82	..	..	1035	86	1121	1128	1099
3 Faculty of Education & Psychology	39	10	92	44	30	4	161	58	219	208	173
4 Faculty of Commerce	18	..	181	3	43	..	242	3	245	221	220
5 Faculty of Medicine	54	5	244	35	3	..	301	40	341	259	182
6 Faculty of Technology and Engineering	2	..	449	2	853	..	1304	2	1306	1189	1097
7 Faculty of Fine Arts	24	5	47	8	12	3	83	16	99	69	55
8 Faculty of Home Science	..	6	..	175	..	..	..	181	181	148	115
9 Faculty of Social Work	24	10	..	..	..	..	24	10	34	44	37
10 Intermediate College	..	..	626	141	..	..	626	141	767	707	612
11 College of Indian Music, Dance and Dramatics	2	4	18	13	..	..	20	17	37	23	33
12 Baroda Sanskrit Mahavidyalaya	3	..	13	..	27	..	43	..	43	52	62
Total..	337	64	2921	586	968	7	4226	657	4883	4456	4084

Non-University Students, 1955-56

Institution	Men	Women	Grand Total	Grand Total 1954-55	Grand Total 1953-54
(a) Diploma courses					
1 College of Indian Music, Dance and Dramatics	317	167	484	335	355
(b) Certificate courses					
1 Faculty of Technology and Engineering	119	..	119	132	114
2 Faculty of Fine Arts	7	..	7	2	1
3 Baroda Sanskrit Mahavidyalaya	64	..	64	53	42
(c) S.S.C. courses					
1 University Experimental School	216	168	384	392	296
2 Technical High School	142	..	142	153	104
3 S.S.C. Music Classes	3	..	3	13	..
(d) Nursery courses					
1 Chetan Balwadi	30	30	60	60	60
Total..	898	365	1263	1140	972

3. **Special features of the year**

(1) Progress of Important Research Projects*

(a) The Department of Gujarati, which has undertaken to edit a series of old Gujarati Texts, published its fourth volume *Varnak Samuchhaya*.

(b) The Department of Archæology under their plan of a systematic archæological survey of Gujarat undertook archæological surveys in South Gujarat, North Gujarat and in Halar District in Saurashtra. The third volume of the University Archæological series, 'The Personality of India, was published.

(c) The Department of Sociology is carrying on intensive field surveys of villages and tribal communities in different parts of India. The following are the research projects in progress in the Department:

(i) A field study of a multi-caste village in Gujarat for which Barot records are available, under a grant from the University of Chicago. The aim of the project is to study the social changes in an Indian village over the last 100 to 150 years.

(ii) A study of urbanisation and industrialisation in a village under the scheme of Research in Social Tensions. This is being carried out under a token grant from the University Grants Commission.

(iii) A scheme to undertake a study of the social changes occuring in Mahuva town in Saurashtra. This is operating under a grant received from the Rockefeller Foundation of the United States of America.

(d) 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 draft of the critical edition of the first ten *sargas of Balakanda* was prepared for the consideration of the Editorial Board for deciding the general principles of constituting the text. This draft with a complete critical

* For other items of research please see Chapter VII.

apparatus, preface, abbreviations, list of MSS utilized and description of the MSS to be attached to the first *sarga* was printed and circulated to the members for their scrutiny and opinion. The work of preparing the critical text and the critical apparatus of further *sargas* of *Balakanda* was continued. Besides, the collation of *Ayodhyakanda* in different scripts and the work of preparing concordance of four principal editions of *Ramayana* was carried on.

(e) 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, covering the Pre-History of Gujarat upto 942 A.D.—the end of Chavda rule is now complete and will shortly go to the press.

(f) The Faculty of Education and Psychology has started from April, 1954 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.

The following were the major items on which work was going on during the year:

(a) Intelligence Test Form Nos. I and II
(b) Diagnostic Test in Basic Arithmetic Skills
(c) Minnesota Manual Dexterity Skills
(d) Minnesota Paper Form Board Test
(e) A Psychological Test for New Entrants to the University
(f) Revision of Berneuter's Personality Inventory
(g) Adaptation of Progressive Matrices
(h) Indexing of Occupational Information.

(g) A new project under scheme No. 6 of the Five Year Plan on Educational Development is started in the Faculty of Education and Psychology under a grant from the Government of India. A near-by village, Ranoli, has been selected for the Centre. The Project aims at utilizing the technical skill of the members of the Faculty, the teachers

under training and their learning situations to the education and welfare of the school pupils and adults in the village. The main work will commence from the next year.

(h) The Faculty of Commerce is conducting a scheme of 'Inquiry into Rural Incomes and Savings in Gujarat' and in Rural Capital Formation sanctioned by the Research Programmes Committee, Planning Commission, Government of India. A total grant of Rs. 50,500 is sanctioned by the Planning Commission for the scheme.

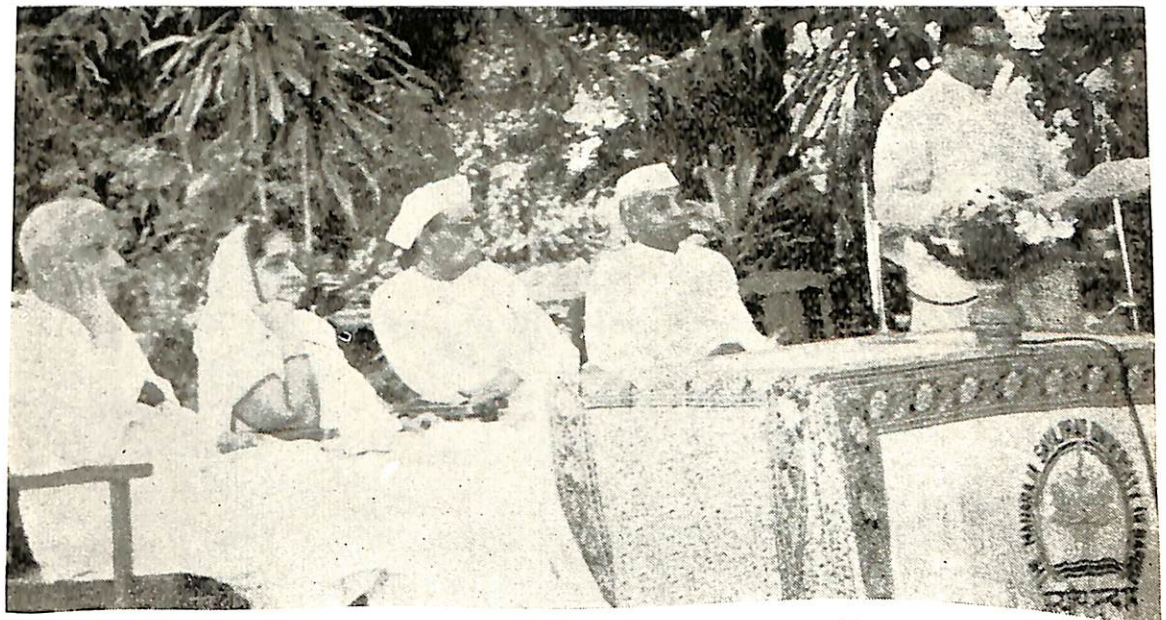
(2) Important events

(a) A new department of Bio-chemistry was opened in the Faculty of Science by Shri Dinkarrao Desai, the then Minister for Education, Government of Bombay, on the 17th June, 1955. It is named 'Dr. K. G. Naik Department of Bio-chemistry' after Dr. K. G. Naik, former Professor of Chemistry, Baroda College.

(b) (i) The centenary celebration of the German Scientists, Paul Enrlich and Emil Behring was held on the 2nd July, 1955. On that occasion H. H. the Maharaja Fatehsinh Gaekwad, the Chancellor of the University, presided. Herr Von Pochhammer, the Consul General for West Germany in Bombay, also attended the celebrations.

(ii) The sixtieth death anniversary of the French Scientist Louis Pasteur was celebrated on the 28th September, 1955. Monsieur L. Giovangrandi, the French Consul in Bombay, attended the celebrations.

(c) A regional seminar of Head Masters and Educational Inspectors from the states of Bombay, Saurashtra and Kutch was held from the 22nd September, 1955 to the 14th October, 1955 to explore ways and means of implementing the recommendations contained in the Report of the Indian Secondary Education Commission. The seminar which was sponsored by the Ministry of Education, Government of India, was attended by 55 Head Masters and Educational Inspectors from the three States. Shrimati Hansa Mehta, Vice Chancellor of the University, inaugurated the seminer and Bharat Ratna Dr. S. Radhakrishnan. Vice-President of India, presided over the concluding session.



Inauguration of Dr. K. G. Naik Bio-chemistry Department by Shri Dinkerrao Desai, Minister for Education, Bombay State. In the picture are Dr. K. G. Naik, Shrimati Hansa Mehta, Vice-Chancellor, Shri Dinkerrao Desai, Dr. Jivraj N. Mehta, Minister for Finance, Bombay State and Prof N. M. Bhatt, Dean, Faculty of Science.

(d) The building of the Sports Pavilion was declared open by His Excellency Dr. Harekrushna K. Mahtab, Governor of Bombay, on the 5th December, 1955. The spacious building which has been erected on the University Sports ground houses the Maharaja Sayajirao University Union. The Students' Union of the old Baroda College gave Rs. 40,500 and Shri P. P. Contractor gave Rs. 75,000 as donation towards the construction of the Badminton Hall.

(e) The 70th Anniversary of the College of Indian Music, Dance and Dramatics was celebrated on the 28th, the 29th and the 30th January, 1956 and it was inaugurated by Dr. B. V. Keskar, Union Minister for Information and Broadcasting.

(g) The Fifth Conference of the Association of Principals of Technical Institutions in India was held at Baroda on the 15th, the 16th and the 17th March, 1956. Professor M. S. Thacker, Director, Council of Scientific and Industrial Research, New Delhi, presided.

(h) A seminar on Co-operative Education and Training jointly organised by the University and the All India Co-operative Union was held from the 22nd to the 25th March, 1956. Shrimati Hansa Mehta, Vice-Chancellor of the University, inaugurated the seminar and Dr. Shyamanand Sahay, Vice-Chancellor, Bihar University, presided. It was attended among others by Shri V. L. Mehta, Vice-Chairman, State Bank of India.

(i) A three day seminar on Indian Philosophy of Education and Indian Contribution to Psychology was held on the 28th, the 29th and the 30th June, 1956. Dr. Indra Sen of Shri Aurobindo Ashram, Pondicherry directed the seminar.

(j) The Senate of this University at their meeting held on the 29th April, 1956 have resolved that steps be taken to replace English by Rastrabhasha (Hindi) as the medium of instruction upto the graduation stage in the first instance and that this change be brought about progressively in a manner consistent with the maintenance of proper standards during the period of transition.

(k) The following were the publications of the University during the year :

Journals :

(i) The Journal of the Maharaja Sayajirao University—2 Volumes.

(ii) The Journal of the Oriental Institute—4 Volumes.

Books :

(i) Under the Gaekwad Oriental Series
GOS XXIV : तंत्ररहस्य
GOS CXVIII : गुर्जररासावलि
GOS CXXI : धूर्तस्वामीभाष्य
GOS CXXVI : रागतत्त्वविद्या

(ii) *Shri Sahityamala Series*
वैदिक संगीत अने अन्य लेखो

(iii) *Shri Sayaji Gramvikasmala*
कृष्णपरीनी कायापलट
खेतीनां सामान्य ओजारो

(iv) *Shri Shisujnanamala*
गुजरातनां पक्षीचित्रो, भा. १ २ अने ३

(v) The Sayajirao Gaekwad Honorarium Rules
Ancient Indian Colonization in South East Asia

(vi) Maharaja Sayajirao III Golden Jubilee Memorial Lectures
The Problem of Discipline in Indian Universities

(vii) *Prachin Gurjar Granthmala* Series No. 3
वर्णक समुच्चय

(l) The Fifth Annual Convocation for conferring degrees and diplomas was held on the 13th October, 1955 in the Shamiana specially erected for the purpose in the University gardens. Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India, addressed the Convocation. The following degrees and diplomas were conferred on that day :

	Degree/Diploma	*In Person*	*In Absentia*	*Total*
1	Ph.D. (Arts)	1	—	1
2	M.A.	11	7	18
3	Acharya	2	—	2
4	B.A. (Special)	130	28	158
5	B.A. (General)	2	2	4



The Vice-Chancellor conferring degrees.

	Degree/Diploma	*In Person*	*In Absentia*	*Total*
6	Shastri	1	—	1
7	M.Sc. (by thesis)	1	—	1
8	M.Sc. (by papers)	17	9	26
9	B.Sc.	100	23	123
10	M.Ed. (by papers)	6	4	10
11	M.Ed. (by thesis)	—	1	1
12	B.Ed.	18	56	74
13	M.Com.	2	—	2
14	B.Com.	35	25	60
15	Diploma in Banking	5	1	6
16	M.B.,B.S.	21	2	23
17	B.E.	53	22	75
18	B.A. (Fine)	4	1	5
19	B.Mus.	3	—	3
20	Diploma in Museology	4	1	5
21	B.Sc. (Home)	17	5	22
22	M.S.W.	4	13	17
	Total	437	200	637

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

From the University Grants Commission

Rs. 20,000- 0-0 For books on Scientific and Technological subjects.

Rs. 3,50,453- 0-0 For the development of the Faculty of Technology and Engineering

Rs. 20,000- 0-0 For critical edition of Valmiki Ramayana

Rs. 2,00,000- 0-0 Towards the construction of the University Library Building

Rs. 60,000-0-0 For equipment of the departments of Physics, Chemistry, Botany, Zoology and Statistics in the Faculty of Science

Rs. 11,000- 0-0 For purchase of equipment for special post-graduate work in Foods and Nutrition

Rs. 5,000- 0 0 For Research in Social Tensions

Rs. 10,000- 0-0 For purchase of scientific equipment for expansion and improvement of Home Science Laboratories.

Rs. 5,000- 0-0 For Survey of Graduates of Schools of Social Work

Rs. 2,900- 0-0 For publication of two doctorate theses (i) Approach to Reality and (ii) A critical study of Sriharsa's Naisadhiya Caritam

From the Planning Commission

Rs. 3,490- 9-9 For Socio Economic Survey of the Baroda City

Rs. 3,528- 0-0 For a scheme of Research in Educational and Vocational Guidance

Rs 13,000- 0-0 For the scheme of Inquiry into Rural Income and Savings in Gujarat

From Government of India, Ministry of Education

Rs. 5,354- 0-0 For Tours, Hikes and Mountaineering

Rs. 5,696- 0-0 For Youth Welfare and Social Service camp at Aat

Rs. 8,000- 0-0 For Rural Education Project

From the Community Projects Administration

Rs. 47,600- 0-0 For Social Education Organisers' Training Centre

From the Director of Scientific and Industrial Research

Rs. 2,500- 0-0 For Analytical study of Magnetic Amplifiers

From the All India Council for Secondary Education

Rs. 51,850- 0-0 For Department of Extension Services, Faculty of Education and Psychology.

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

(a) Junior Lecturer in Economics — Shri H. P. Chokshi, M.A. (16-7-1955)

FACULTY OF SCIENCE

(b) Junior Lecturer in Statistics — Shri K. V. Ramchandran PH.D. (1-8-1955)

(c) Junior Lecturer in Statistics — Shri C. G. Khatri, M.SC. (25-7-1955)

FACULTY OF EDUCATION AND PSYCHOLOGY

(d) Senior Lecturer — Dr. D. M. Desai, B.A., PH.D. (17-9-1955)

(e) Junior Lecturer (Substitute of Shri A. S. Patel) — Shri G. P. Bhatt, B.A., B.T., M.ED. (1-11-1955)

FACULTY OF COMMERCE

(f) Junior Lecturer in Commerce — Shri H. B. Desai, M.COM. (12-12-1955)

FACULTY OF TECHNOLOGY AND ENGINEERING

(g) Senior Lecturer in Applied Mechanics — Shri N. Y. Hiryur, B.SC., B.E. (Civil) (1-7-1955)

(h) Junior Lecturer in Mechanical Engineering — Shri B. M. Patel, D.M.E., A.M.I.E. (India) (15-12-1955)

FACULTY OF SOCIAL WORK

(i) Junior Lecturer — Shri B. R. Deolalikar, B.SC., M.S.W. (11-7-1955)

(j) Junior Lecturer — Shri R. S. Rathee, B.A., M.A. (S.W.) (5-8-1955)

(k) Junior Lecturer (For S.E.O.T.C.) — Shri K. M. Sharma, B.A., M.S.W. (18-1-1956)

(2) Appointments to new teaching posts:

The following appointments were made during the year on the new posts sanctioned from the 1st July, 1955 or thereafter during the year:

FACULTY OF ARTS

(a) Junior Lecturer in Archæology — Shri R. N. Mehta, M.A., Dip. in Museology (16-7-1955)

(b) Junior Lecturer in Sociology — Shri Y. V. Surendra Nath, M.SC., B.A. (Hons.) (20-7-1955)

FACULTY OF SCIENCE

(c) Junior Lecturer in Mathematics — Shri V. M. Shah, M.SC. (From 8-7-1955 to 5-4-1956)

FACULTY OF EDUCATION AND PSYCHOLOGY

(d) Junior Lecturer — Shrimati M. M. Amin, B.A., B.T., Dip. in Basic Edu., M.A. (Ohio), M.ED. (18-7-1955)

FACULTY OF COMMERCE

(e)	Reader in Co-operation	Dr. V. S. Sunderrajan. M.A., PH.D.	(1-7-1955)

FACULTY OF TECHNOLOGY & ENGINEERING

(f)	Reader in Architecture	Shri P. M. Pathare, G.D. (Arch.) A.I.I.A. (India)	(3-10-1955)
(g)	Junior Lecturer in Mechanical Engineering	Shri C. J. Karamchandani, D.M.E.	(1-7-1955)
(h)	Junior Lecturer in Electrical Engineering	Shri C. M. Amin, D.M.E., D.E.E.	(1-7-1955)
(i)	Junior Lecturer in Mechanical Drawing	Shri R. C. Patel, B.E. (Mech.), B.E. (Elec.)	(20-7-1955)

FACULTY OF FINE ARTS

(j)	Reader in Applied Arts	Shri B. N. Pancholy, G.D. Art., A.M., D.T.	(16-8-1955)

FACULTY OF HOME SCIENCE

(k)	Reader	Kumari Justina A. Singh, M.SC. (Oregon & Kansas)	(1-8-1955)
(l)	Visiting Professor	Miss Claire Gilbert, M.S.	(24-10-1955)

FACULTY OF SOCIAL WORK

(m)	Junior Lecturer (For S. E. O. T. C.)	Kumari I. M. Patel, B.A., M.S.W.	(19-12-1955)

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

(n)	Senior Lecturer in Dramatics	Shri Jaswant D. Thaker, B.A.	(1-7-1955)
(o)	Junior Lecturer in Dancing	Shri K. A. Tanjorkar	(24-1-1956)

(3) Teachers who left the University :

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

FACULTY OF SCIENCE

(a)	Shri K.V. Ramchandran, Junior Lecturer in Statistics	(Resigned to take up another position)	(14-6-1956)

FACULTY OF EDUCATION AND PSYCHOLOGY

(b)	Miss Jeanne Dumas	Ag. Junior Lecturer (Period of appointment expired on 8-9-1955)	(8-9-1955)

FACULTY OF FINE ARTS

(c)	Shri U. P. Rao	Junior Lecturer in Painting (Retired)	(22-2-1956)

FACULTY OF HOME SCIENCE

(d)	Dr. Flemmie P. Kittrell	Visiting Professor from U.S.A. under T.C.M. scheme (Returned to U.S.A., period of deputation being over)	(28-8-1955)
(e)	Mrs. Mary Edwin	Junior Lecturer (Resigned due to indifferent health)	(29-7-1955)
(f)	Shrimati P. M. Murray, (Kumari P. M. Shrieves)	Junior Lecturer (Resigned due to indifferent health)	(31-1-1955)

FACULTY OF SOCIAL WORK

(g)	Shri S. N. Ranade	Senior Lecturer (Resigned to take up another position)	(15-6-1956)
(h)	Shrimati S. Bhatia	Senior Lecturer, I/C S.E.O.T.C., Samiala (Resigned and got married)	(7-5-1956)
(i)	Kumari C. M. Parikh	Junior Lecturer, S.E.O.T.C. (Period of appointment expired).	(3-11-1955)

5. Finances of the University

(1) Endowments received during the year :

The Syndicate accepted the following new endowments during the year :

(a) Principal S. B. Junnarkar Gold Medal Fund.

A donation of Rs. 5,001/- was accepted from the Chairman, Principal Junnarkar's 60th Birthday Celebrations Committee and the Dean, Faculty

of Technology and Engineering as per Syndicate Resolution No. 87(b) dated the 16th July, 1955. The fund is invested in 4% Bombay State Development Loan, 1967 of the face value of Rs. 5,000/-. Out of the interest a gold medal will be awarded every year to a student obtaining the highest number of marks in the group of subjects comprising Theory of Structures I, Theory of Structure II and Structural Design in Drawing at the B.E. examination of this University.

A donation of Rs. 3,500/- was accepted as per Syndicate Resolution No. 34 dated the 17th March, 1956 from Shri J. S. Parikh in respect of the memory of his father, the late Shri Sevaklal Dalsukhbai Parikh, for three prizes in the Sanskrit Mahavidyalaya to be awarded annually from the interest of the fund as follows:

(i) to the candidate obtaining the highest percentage of marks amongst all candidates appearing at the last year examination of the *Prathamkaksha* (in the Baroda Sanskrit Mahavidyalaya)—prize Rs. 30/-.

(ii) to the candidate obtaining the highest percentage of marks amongst all candidates appearing at the *Visharada* diploma examination of the *Madhyamakaksha* (in the Baroda Sanskrit Mahavidyalaya)—prize Rs. 40/-.

(iii) to the candidate obtaining the highest percentage of marks amongst all candidates appearing at the *Shastri* degree examination of the *Uttamkaksha* (in the Baroda Sanskrit Mahavidyalaya)—prize Rs. 50/-.

The prizes will be given in cash to the students joining the Baroda Sanskrit Mahavidyalaya for further studies. The fund is invested in 4% Bombay State Development Loan, 1967 of the face value of Rs. 3,400/-.

(c) The Treasurer of Charitable Endowments, Bombay State, transferred on the 2nd August, 1955, 9 G.P. Notes of 3% Conversion Loan, 1946 of the face value of Rs. 3,56,400/- being the corpus of 48 Endowment Funds held by the Ex-Baroda State as follows:

	Name of the Fund	*Face value amount in Rs.*
1	Professor T. K. Gajjar Memorial Scholarship Fund	7,300
2	D. B. Dhamanaskar Scholarship Fund	9,300
3	Motibhai Bhikhabhai Memorial Fund	2,500

	Name of the Fund	*Face value amount in Rs.*
4	Ramabai V. Risvadkar Scholarship Fund	2,000
5	Professor N. D. Nanavaty Memorial Fund	1,700
6	Seddon Scholarship and Prize Fund	2,200
7	Kalabhavan Poor Boys' Fund	2,000
8	Ettadeshiya Sahitya Parishad Fund	1,80,700
9	Baroda College Silver Jubilee Fund	1,600
10	Matushri Jamnabai Smarak Granthamala Fund	7,400
11	Principal A. B. Clarke Poor Boys' Library Fund	1,400
12	Officers' Fund	1,300
13	D. B. Ambalal Sakarlal Memorial Fund	3,100
14	Dutt Memorial Fund	2,800
15	Chhamanben Logic Prize Fund	600
16	Manilal Dashavayda Scholarship Fund	1,300
17	D. K. Sharangpani Memorial Fund	500
18	Principal Tait Memorial Fund	6,400
19	Smt. Indira Raje Gaekwar Scholarship Fund	9,700
20	Bhaurao Kolhatkar Memorial Fund	2,400
21	Professor Fariddudin Memorial Fund	500
22	R. B. Hargovinddas D. Kantawala Memorial Fund	2,200
23	Mrs. Koonverbai Framji Contractor Memorial Fund	6,000
24	Mukundrao Apaji Kanhre Memorial Fund	3,500
25	R. B. Govindbhai H. Desai Memorial Fund	7,500
26	L. R. Rawal Scholarship Fund	3,100
27	Khan Bahadur Yusufalikhan Jummamasjid Scholarship Fund	7,800
28	Justice Sarabhai V. Majumdar Philosophy Prize Fund	1,000
29	Professor Soares Memorial Fund	1,100
30	M. K. Adhikari Scholarship Trust Fund	3,000
31	Principal A. B. Clarke Memorial Fund	1,300
32	Professor A. K. Trivedi Memorial Fund	2,400
33	Sir Sayajirao Gaekwad Marathi Prize Fund	2,400
34	Principal Masani Memorial Fund	10,600
35	Professor N. A. Masani Memorial Fund	800
36	Kershapji Rustomji Memorial Fund	2,000
37	K. B. Kazi Shahbuddin Memorial Fund	5,600
38	V. M. Gokhale Prize Fund	1,000

	Name of the Fund	*Face value amount in Rs.*
39	H. H. Sir Sayajirao III Alembic Chemical Works Silver Jubilee Research Scholarship Fund	20,300
40	Science Debating Club Fund	300
41	Dr. Naik Memorial Fund	400
42	Baroda College Physics Prize Fund	1,300
43	Saubhagyavati Jasodagauri Trivedi Memorial Fund	900
44	Mrs. Tejba Chimanlal Trivedi Memorial Fund	500
45	P. G. Nandi Memorial Fund	2000
46	Nawab of Palanpur Scholarship Fund	4,500
47	Jamshedji Ardeshar Dalal Memorial Fund	600
48	Sayajirao III Memorial Research Prize Fund	17,600
	Total....	3,56,400

(2) Other Endowments :

(a) United Nations' Appeal for Children Fund.

During the year Rs. 3,018-11-0 were spent out of the interest of Rs. 3,473-9-9 of the above Fund as under :

(i) Chetan Balwadi :

		Rs.
1	Freeships	747- 0-0
2	Foods (including Lunch fees)	225- 3-0
3	Shoes & Clothes	95- 4-0
4	Medical Aids	90-14-0
5	Play Centre	21- 1-6
		1,179- 6-6

(ii) University Experimental School :

1	Play Equipment	381- 7-9
2	Refreshment, Milk, etc.	817- 7-3
3	Medicine	150- 2-0
		1,349- 1-0

(iii) Faculty of Social Work :

1	Nutrition	216-10-3
2	Medicine (including Doctor's fees)	15- 8-0
3	Educational Programme	58- 7-6
4	Nutrition Equipment	199- 9-9
		490- 3-6
	Total	3,018-11-0

The closing balance of the fund is Rs. 1,08,584-7-11 which is invested as follows :

	Rs.
3% Conversion Loan, 1946 (Face value Rs. 1,09,200/-)	1,01,554- 9-6
4¼% Surat Borough Municipality Loan, 1952 (Face value Rs. 3,400/-)	3,359-10-0
4% Bombay State Development Loan, 1967 (Face value Rs. 3,000/-)	3,021-11-0
Balance in Current Account with the Bank of Baroda Limited, Account No. III	648- 9-5
Total....	1,08,584- 7-11

(b) Women's Educational Trust Fund :

During the year a further sum of Rs. 27,208/- was received by the University from the Trustees of the Women's Educational Trust Fund. The following expenditure was incurred during the year :

		Rs.
(i)	Construction of a Home Management House	38,692-10-6
(ii)	Purchase of Equipment & Furniture for the Eaculty of Home Science	21,250-14-0
(iii)	Amount of interest received during the year, transferred to the revenue account towards the maintenance of the Faculty of Home Science	2,725-10-0
(iv)	Scholarships to students of the Home Science Faculty out of the interest on donation by the Kelavani Trust, Baroda.	700- 0-0
	Total....	63,369- 2-6

During the year, a loss of Rs. 32,625/- was incurred on transfer of 3% Conversion Loan, 1946 of the face value of Rs. 1,80,000/- for providing cash, building and for purchase of equipment, etc. due to the price having gone down.

(c) Critical Edition of Ramayana Fund.

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

		Rs.
(i)	Dhrangadhra Chemical Works Ltd. (through Shri Shriyansprasad Jain)	1,000
(ii)	Sheth Pranlal Devkaran Nanjee	1,000
(iii)	Shri Purshottamdas Thakordas	5,000
(iv)	Indian Hume Pipe Co. Ltd., Bombay (through Shri Gulabchand Hirachand)	1,000
(v)	Messrs. Harkisondas Lukhmidass	2,501
(vi)	Shri Digvijay Cement Co. Ltd. (through Shri B. D. Somani)	5,000
(vii)	The Patel Cotton Co. Ltd., Bombay (through Shri Jahangir Patel)	501
(viii)	The Khatau Makanji Spg. & Wg. Co. Ltd., Bombay (through Shri Dharamsey Mulraj Khatau)	10,000
(ix)	Sir Dorabji Tata Trust, Bombay (2nd instalment)	3,000
(x)	C. Parikh & Co., Bombay (through Shri Chimanlal B. Parikh)	5,000
	Total	34,002

The total fund amounts to Rs. 49,753 including the opening balance of Rs. 15,751 of the last year and donations of Rs. 34,002 during the year.

Out of the above funds, a sum of Rs. 6,582-3-6 has been spent during the year, leaving a balance of Rs. 43,170-12-6.

A grant of Rs. 20,000 was also received during the year from the University Grants Commission.

(3) Capital Funds

Receipts and Payments for the year 1955-56 i.e. from the 1st July, 1955 to the 30th June, 1956

Technology and Engineering Faculty Fund

Receipts	*Rs.*	*Payments*	*Rs.*
Interest	64,285- 3-0	Buildings for Technology Section	24,041- 7-9
Opening Balance	23,84,555- 4-9		

Receipts	*Rs.*	*Payments*	*Rs.*
		Buildings for Engineering Section	6,565- 4-9
		Equipment for Technology Section	4,06,221- 6-2
		Equipment for Engineering Section	1,19,529- 4-6
		Loss on sale of Securities.	1,13,059- 0-0
		Amount transferred to Revenue Account towards the maintenance of the Faculty of Technology and Engineering	55,511- 3-0
		Transfer to University General Fund towards the construction of the IVth Hall of Residence	2,38,180- 0-0
		Transfer to University General Fund towards the construction of the Sports Pavilion	94,370- 0-0
		Advance to University Press for purchase of types	10,733-14-0
		Total	10,68,211- 8-2
		Closing Balance	13,80,628-15-7
Total	24,48,840- 7-9	Total	24,48,840- 7-9

N. B. The following advances are given from the above fund which will reduce the closing balance :

1.	Advances for equipment for Engineering Section	3,829- 2-6
2.	Advances for equipment for Technology Section	48,958- 9-5
	Total	52,787- 8-3

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

Receipts	*Rs.*	*Payments*	*Rs.*
Interest	27,390- 0-0	Construction of Rasashala	1,017- 7-0
Unspent Balance out of the Grant of Rs. 36,000/- by the Government of Bombay for recurring expenditure.	7,811-12-3	Purchase of Deadstock and equipment	1,708- 0-0
		Total	2,725- 7-0
Opening Balance	8,22,069-14-3	Closing Balance	8,54,546- 3-6
Total	8,57,271-10-6	Total	8,57,271-10-6

Post-graduate Instruction and Research Fund

Interest	1,18,675- 7-9	Transfer to Revenue Account for the expenditure on Research staff, contingencies, equipment etc.	82,538- 5-0
Opening Balance	37,52,817- 4-7	Closing Balance	37,88,954- 7-4
Total	38,71,492-12-4	Total	38,71,492-12-4

Women's Educational Trust Fund

Donations transferred to the University	27,208- 0-0	Home Management House	38,692-10-6
Interest	3,425-10-0	Equipment and Furniture.	21,250-14-0
		Transfer to Revenue Accounts towards the maintenance of the Faculty of Home Science	3,425-10-0
		Loss on sale of Securities	32,625- 0-0
		Total	95,994- 2-6
Opening Balance	2,00,175- 1-6	Closing Balance	1,34,814- 9-0
Total	2,30,808-11-6	Total	2,30,808-11-6

University General Fund

Interest	22,503-13-10	Water supply scheme in the University campus	15,655- 4-0
Non-recurring Building grant from the Government of Bombay	6,38,000- 0-0	Hall of Residence No. III	4,624- 0-9
Transfer from Technology and Engineering Fund towards the construction of the IVth Hall of Residence and Sports Pavilion	3,32,550- 0-0	Hall of Residence No. IV	1,35,970- 9-6
		Hall of Residence for Women students	19,999-12-6

University General Fund

Receipts	*Rs.*	*Payments*	*Rs.*
Transfer of lapsed caution money	21,820- 0-0	Faculty of Fine Arts	17,264- 2-0
		University Library	89,467 -1-3
Donations towards the construction of Residential quarters for the staff and candidates under training at S.E.O. Training Centre at Samiala	56,820- 7-6	Additions and alterations to Type Section Block of the University office	229- 6-9
		Sports Pavilion	1,31,397-13-3
Transfer of the balance of the Building Depreciation fund as on 1st July, 1955	3,46,063-12-8	Sanitary fittings, Electric fittings etc. in the students Recreation Hall	124- 9-9
Transfer of the balance of the Machinery, Equipment and Deadstock Depreciation fund as on 1st July, 1955	1,64,341-15-3	Boat House	15,747- 7-6
		Faculty of Education and Psychology—additions and alterations	1,285- 3-3
Additions during the year	3,500- 0-0	Open Air Theatre	5,970- 8-0
		Swimming Pool	11,980- 4-6
Transfer of the balance of the Faculty of Technology and Engineering Workshop Depreciation Fund as on 1st July, 1955	41,512- 9-1	Construction of Residential quarters for the staff and candidates under training at the S.E.O. Training Centre at Samiala	1,54,987- 2-9
Additions during the year	2,925- 0-0	Special heavy repairs to the buildings transferred to the University	46,944-11-6
Total	16,30,037-10-4	Total	6,51,648- 1-3
Less deficit for the year 1954-55	60,831-1-10	Closing Balance	9,17,558- 7-3
Total	15,69,206- 8-6	Total	15,69,206- 8-6

(4) *Revenue Funds :*

Receipts and Expenditure for the year 1955-56 i.e. from the 1st July, 1955 to the 30th June, 1956

S.No.	Particulars	Receipts in Rs.
I	**Tuition Fees and other income :**	**9,07,432-14-8**
	A Faculties :	
	(a) Faculty of Arts	1,34,654- 8-9
	(b) Faculty of Science	2,23,213-14-2
	(c) Faculty of Education and Psychology	97,256- 7-0
	(d) Faculty of Commerce	91,993- 5-0
	(e) Faculty of Technology and Engineering	2,77,234-12-0
	(f) Faculty of Fine Arts	12,364- 8-9
	(g) Faculty of Home Science	28,533- 0-0
	(h) Faculty of Social Work	17,882-15-0
	B Institutions :	
	(a) Oriental Institute	—
	(b) College of Indian Music, Dance and Dramatics	24,118-15-0
	(c) Intermediate College	166- 6-0
	(d) Baroda Sanskrit Mahavidyalaya	14- 3-0
II	**Examination Fees**	**1,67,462- 1-6**
III	**Other Fees**	**63,989- 0-0**
IV	***Income from Publications***	**20,960-14-6**
V	***Grant from the Government***	***16,77,080- 0-0***

S.No.	Particulars	Expenditure in Rs.
I	**University General Administration**	**1,90,418- 1-0**
II	**Examination Charges**	**1,77,982- 2-0**
III	**Deadstock and Repairs**	**19,443- 7-3**
IV	**Publications**	**19,736-11-9**
V	**Information and Publicity**	**4,722-15-3**
VI	**Remuneration to Lecturers**	**6,100- 0-0**
VII	**Travelling Allowance**	**23,385-13-6**
VIII	**Printing and Stationery**	**43,015- 7-0**
IX	**Maintenance of Buildings & Roads**	**16,378-13-0**
X	**Maintenance of Gardens**	**15,894-12-6**
XI	**Municipal Rates, Taxes and Law Charges**	**4,731- 8-0**
XII	**University Contribution to Provident Fund**	**4,975- 7-0**
XIII	**Study Leave**	**3,767- 2-0**
XIV	**Miscellaneous**	**60,914-10-9**
	Total : University Office	**5,91,466-15-9**
XV	**University Library**	**72,159- 5-0**
XVI	**Physical Education Department**	**52,139- 7-3**
XVII	**Research Staff, Contingencies, Equipment, etc.**	**82,538- 4-9**

S.No.	Particulars	Receipts in Rs.
VI	**Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust**	**3,00,000- 0-0**
VII	**Interest on Cash Balances**	**8,401- 4-5**
VIII	**Income from Endowments**	**1,41,578- 9-9**
IX	**Income from Halls of Residence for students**	**98,044- 8-0**
X	**Income from use and occupation of University Quarters and Bungalows including furniture rent**	**36,693- 8-0**
XI	**Income from lease of land and trees**	**2,203- 4-3**
XII	**Miscellaneous Income**	**43,670 -2-0**
XIII	**Income from M.S. University of Baroda Press (Sadhana Press)**	**1,79,376-10-6**
XIV	**Transfer from Building Depreciation Fund**	—
XV	**Union Public Service Commission Training Class Tuition Fees**	**500- 0-0**
	Total Receipts :	**36,47,392-13-4**

S.No.	Particulars	Expenditure in Rs.
XVIII	**Faculties and Institutions**	**23,94,073- 7-3**
	A Faculties :	
	(a) Faculty of Arts	3,22,171- 3-3
	(b) Faculty of Science	4,67,293- 7-3
	(c) Faculty of Edu. and Psy.	2,25,632- 8-3
	(d) Faculty of Commerce	91,191- 5-6
	(e) Faculty of Technology and Engineering	6,19,597- 1-3
	(f) Faculty of Fine Arts	1,35,599- 6-9
	(g) Faculty of Home Science	1,27,477-11-9
	(h) Faculty of Social Work	1,39,341- 1-9
	B Institutions :	
	(a) Oriental Institute	67,901- 8-0
	(b) College of Indian Music, Dance & Dramatics	1,30,159-15-9
	(c) Intermediate College	25,118-13-6
	(d) Baroda Sanskrit Mahavidyalaya	42,589- 4-6
XIX	**Halls of Residence for Students**	**92,081-15-3**
XX	**M. S. University of Baroda Press (Sadhana Press)**	**1,79,296- 7-3**
XXI	**Union Public Service Commission Training Class**	**1,811- 3-6**
	Total Expenditure	**34,65,567- 1-0**
	Excess of Receipts over Expenditure transferred to Deficit Account to wipe out the deficits of previous years	**1,81,825-12-4**
	Grand Total :	**36,47,392-13-4**

Receipts and Payments for the year 1955-56 i.e. from the 1st July, 1955 to the 30th June, 1956.

Grants from the Government of India, University Grants Commission, Planning Commission, Community Projects Administration and other Government Departments.

Receipts	*Rs.*	*Payments*	*Rs.*
Grant from the University Grants Commission for Books and Equipment	87,000- 0-0	Equipment and Books	1,05,378- 15-9
Grant from the University Grants Commission for Development of the Faculty of Technology and Engineering	3,50,453- 0-0	Recurring expenditure on additional staff	1,120- 0-0
		Equipment for the Faculty of Technology and Engineering	1,61,203- 1-4
		Building for the Faculty of Technology and Engineering	64,189-11-0
		Advances for equipment	29,097- 7-6
Grant from the University Grants Commission for critical edition of Valmiki Ramayana	20,000- 0-0	Ramayana Department	20,000- 0-0
Grant from the University Grants Commission towards the Construction of University Library Building	2,00,000- 0-0	Construction of University Library Building	1,47,989- 0-0
Grant from the University Grants Commission for purchase of equipment for special post-graduate work in Foods & Nutrition	11,000- 0-0	...	...
Grant from the University Grants Commission for Research in Social Tensions	5,000- 0-0	Research in Social Tensions	1,825-14-0
Grant from the University Grants Commission for Development of Higher Scientific Education and Research—Faculty of Home Science	10,000- 0-0	Equipment for special post-graduate work in Foods and Nutrition	2,523- 2-3

Receipts	*Rs.*	*Payments*	*Rs.*
Grant from the University Grants Commission for Survey of Graduates of Schools of Social Work	5,000- 0-0	...	...
Grant from the University Grants Commission for Publication of Theses	2,900- 0-0	...	...
Grant from the University Grants Commission for Personal Allowances to Professors and Lecturers	...	...	...
Grant from the Planning Commission for Socio-Economic Survey of the city of Baroda	3,490- 9-9	Socio-Economic Survey of the city of Baroda	4,578- 9-6
Grant from the Planning Commission for Research in Educational and Vocational Guidance	3,528- 0-0	Research in Educational and Vocational Guidance	5,522-12-9
Grant from the Planning Commission for study of Agricultural Economy of Gujarat	...	Study of Agricultural Economy of Gujarat	99- 6-6
Grant from the Planning Commission for the Scheme of Rural Income and Savings in Gujarat	13,000- 0-0	Scheme of Rural Income and Savings in Gujarat	24,589- 5-0
Grant from the Ministry of Food and Agriculture for Training of Chief Instructors in Home Economics	...	Training of Chief Instructors in Home Economics	3,747- 0-0
Grant from the Ministry of Education towards the construction of a Swimming Pool	...	Construction of a Swimming Pool	15,000- 0-0
Grant from the Ministry of Education towards the construction of an Open Air Theatre	...	Open Air Theatre	3,817- 0-0
Grant from the Ministry of Education, Youth Welfare Unit, for Tours, Hikes and Mountaineering	5,354- 0-0	Tours, Hikes and Mountaineering	1,851- 2-0
Grant from the Ministry of Education for Youth Welfare and Social Service Camp at Aat	5,696- 0-0	...	...

Receipts	*Rs.*	*Payments*	*Rs.*
Grant from the Sangeet Natak Akadami for publication of works on Music	...	Publication of works on Music	1,019- 8-0
Grant from the Government of India, Community Projects Administration for Training Centre for Social Education Organisers	47,600- 0-0	Training Centre for Social Education Organisers	68,816- 7-9
Grant from the Director, Scientific and Industrial Research, New Delhi for Analytical study of Magnetic Amplifiers	2,500- 0-0	...	...
Grant from the Ministry of Education for Rural Education Project	8,000- 0-0	Rural Education Project	7,871-11-3
Grant from the All India Council for Secondary Education for the Department of Extension Services (Faculty of Education and Psychology)	51,850- 0-0	Department of Extension Services	41,301- 3-6
Total Receipts	8,32,371- 9-9	Total Expenditure	7,11,541- 6-1
Add opening Balance as on 1st July, 1955	2,55,997- 7-9	Add unspent balances remitted in the District Treasury, Baroda	
		1 Books on Humanities and Social Sciences 0- 0-6	
		2 Socio-Economic Survey 1,227- 0-6	
		3 Agricultural Economy of Gujarat 460-13-6	
		4 Tours and Hikes 3,502-14-0	
		5 Social service camp at Sankheda 8,275- 3-0	13,465-15-6
		Add grant for Personal Allowances to Professors and Lecturers adjusted towards the grant for University Library	91,849- 0-0
			81,16,856- 5- 7
		Closing Balance as on 30th June, 1956	2,71,512-11-11
Grand Total	10,88,369- 1-6	Grand Total	10,88,369- 1- 6

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, 22 Class III and 32 Class IV servants.

(b) Original works completed :

The following original works were completed during the year.

		Expenditure during the year Rs. As. Ps.	*Total Expenditure* Rs. As. Ps.
I	Faculty of Technology and Engineering.		
1	Wire fencing round the open flat to the South East of the Faculty.		
2	Preparing a platform in the Spinning Section of the Faculty.		
3	Rebuilding compound wall in the workshop of the Faculty.		
4	Providing European water closet and drainage arrangement for the office of Professor L. B. Shah in the Workshop of the Faculty.		
5	Thorough repairs to the leaking terraces of the Faculty.		
6	Providing wiring and electric lights and plugs in the Gas room of the Faculty.		
7	Extension of Textile Chemistry Department.		
8	Providing 2" water connection in the Faculty.	24,001- 1-9	6,60,991- 7-0
9	Furniture shed in the Faculty.		
10	Accommodation for the 18th Bombay Engineering Platoon.		
11	Providing wiring of electric lights, fans, plugs, etc. in the Workshop of the Faculty.		
12	Constructing a cycle shed for the Faculty.		
13	Providing lights and exhaust fans in the Textile Testing Laboratory in the Faculty.		
14	Providing wiring of exhaust fans and flourescent tube lights, fixtures in place of those existing in the Textile Chemistry Department of the Faculty.		

		Expenditure during the year Rs. As. Ps.	*Total Expenditure* Rs. As. Ps.
	Engineering Section		
15	Closing the verandah of southern wing and the lobby of the Faculty.		
16	Library extension in the Faculty.		
17	Wiring of electric lights and fans points in the Architecture Department of the Faculty.	6,566- 4-9	8, 97, 595-12-4
18	Providing electric installation and lights, fans and plugs points in the Geology Department of the Faculty.		
II	Dr. Jivraj Mehta Hall of Residence for men students		
	(1) Electric Installation (2) Road, Garden and pipe line (3) Partition.	4,624- 0-9	5,77,685-4-3
III	Professor T. K. Gajjar Hall of Residence for men students Building work 1,19,992-8-0 Utensils 6,820-0-0	1,26,812- 8-0	6,26,884-4-9
IV	Faculty of Fine Arts (New Block)	17,264- 2-2	4,46,528-3-9
V	Home Management House	38,692-10-6	62,907-8-6
VI	Shrimati Sarojinidevi Hall of Residence for women students (Western Wing)	19,997- 8-6	8,70,097-8-11
VII	Boat House	15,747- 7-6	18,059-11-6
VIII	Open Air Theatre	9,787- 8-0	12,970-8-0
IX	Faculty of Education and Psychology.		
1	Additions and alterations in lavatory block on the 1st floor of the Faculty.		
2	Providing electric fittings in the new staff room in the University Experimental School.	4,605- 0-3	4,605- 0-3
3	Shifting the lavatory block on the ground floor of the Faculty.		
X	Buildings for Rural Community Welfare Institute and Training Centre in Rural Work at Samiala.		

		Expenditure during the year Rs. As. Ps.	*Total Expenditure* Rs. As. Ps.
1	Main work 2 Hostels.		
2	Drivers' quarters with garrages.		
3	Clerks' quarters.		
4	Special repairs to the existing building.	1,54,987-3-3	1,54,987-3-3
XI	Faculty of Science :		
1	Rewiring of D. C. Plugs and wiring of 3 phase lines in the new generator in the Physics Department of the Faculty.		
2	Removing old electric wiring of the points and rewiring the same in the Faculty.	9,763-10-0	9,763-10-0
XII	Electric installation in the students common room of the Faculty of Arts.	124 -9-9	124-9-9
XIII	Service connection for electric light in the office of the Physical Education Department.	233-11-6	233-11-6
XIV	University Office and Bungalows :		
1	Additions and alterations to Type Section Block of University Office.		
2	Additions and alterations to Chamelibag Bungalow.		
3	Additions and alterations to Nimb Nivas Bungalow.		
4	Compound and road lighting of Adhyapak Kutirs.	19,966-9-9	19,966-9-9
5	Renewing old ceiling in Adhyapak Kutirs.		
6	Providing a new steel tank on the terrace of Vikrambag Bungalow.		
XV	Minor works of Rasa Shala	1,018-11-6	49,500- 1-3

(c) Works in progress :

The following works were in progress during the year.

		Expenditure during the year Rs. As. Ps.	*Total Expenditure* Rs. As. Ps.
I	Faculty of Technology and Engineering		
1	Extension of Central hall of the Electrical Laboratory.	56,840- 0-0	56,840- 0-0

		Expenditure during the year	*Total Expenditure*
		Rs. As. Ps.	Rs. As. Ps.
2	Welding shop in the Faculty.	7,349-11-0	7,349-11-0
II	Sports Pavilion	1,46,397-13-3	2,00,696-11-3
III	University Library	2,37,456- 1-3	3,58,932-12-9
	1 Building 2,17,436- 0-0		
	2 Card & Steel Racks 20,020- 1-3		
IV	Water Supply scheme—University Campus	15,655- 4-6	77,843- 9-4
V	Swimming Pool	26,980- 4-6	26,980- 4-6
VI	Fifth Hall of Residence	80,595- 7-0	80,595- 7-0
VII	Renewing the porch of Dhanvantary and Chamelibag Bungalows.	2,104- 1-0	2,104- 1-0
VIII	Proposed lavatory on west side of Dadabhai Naoroji Hall.	2,237- 7-0	2,237- 7-0
IX	Renewing gas and water taps in the Faculty of Science	3,693-14-0	3,693-14-0
X	Replacing flooring in the Faculties of Arts and Commerce.	5,855- 0-0	5,855- 0-0
XI	Compound wall and gate to the south of University compound.	9,153- 2-0	9,153- 2-0

(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 Construction Division.

7. University Examination Results

During the year five candidates were declared qualified for the Ph.D. degree—one in Economics, one in Sociology, two in Gujarati and one in Educational Psychology.

The following two statements show the results of September-October, 1955 and March-April-June, 1956 examinations ;

Results of the University Examinations of Second Half, 1955 (September-October, 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	B.Sc. (Subsidiary) *	39	1	36	2	38	..	..	30	30	..	..	2	2	32	84.2	
2	(a) B.Com.	23	2	21	..	21	..	..	12	12	..	..	..	..	12	57.1	
	(b) B.Com. * vide 0.380 (B.A. students)	7	1	5	1	6	..	..	5	5	..	..	1	1	6	100.0	
3	Ist M.B.,B.S. *	69	..	59	10	69	..	..	41	41	..	..	9	9	50	72.4	
4	IInd M.B.,B.S. *	20	..	15	5	20	..	..	12	12	..	..	5	5	17	85.0	
5	IIIrd M.B.,B.S. *	34	..	33	1	34	..	..	19	19	..	..	..	..	19	55.8	
6	(a) B.E. (Civil)	4	..	4	..	4	..	1	3	4	..	..	..	..	4	100.0	
	(b) B.E. (Mechanical)	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
	(c) B.E. (Electrical)	2	..	2	..	2	..	1	1	2	..	..	..	..	2	100.0	
7	M.S.W. *	2	..	2	..	2	..	..	1	1	..	..	..	..	1	50.0	

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

Results of the University Examinations of First Half, 1956 (March-April-June, 1956)

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	Preparatory and F.Y. Arts	335	3	227	105	332	2	29	114	145	1	27	58	86	231	69.5	
2	Inter Arts	179	6	129	44	173	4	28	67	99	3	15	19	37	136	78.6	
3	B.A. (Special)	219	3	163	53	216	8	74	53	135	7	20	16	43	178	82.2	
4	M.A.	49	4	37	8	45	2	9	18	29	..	2	6	8	37	82.2	
5	Visharad	3	..	3	..	3	..	1	1	2	..	..	..	..	2	66.6	
6	Shastri	2	..	2	..	2	..	1	1	2	..	..	..	..	2	100.0	
7	Acharya	5	..	5	..	5	2	2	1	5	..	..	..	..	5	100.0	
8	Preparatory and F.Y. Science	425	2	381	42	423	6	127	135	268	..	11	14	25	293	69.2	
9	Inter Science	399	7	368	24	392	50	150	78	278	2	9	7	18	296	75.5	
10	B.Sc. (Principal)	214	4	192	18	210	17@	60	81	158	2	7	7	16	174	82.8	@ includes 4 students with distinction.

Results of the University Examinations of First Half, 1956 (March-April-June, 1956)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
11	B.Sc. (Subsidiary) *	141	2	131	8	139	..	..	91	91	..	..	8	8	99	71.2	
12	M.Sc. (By papers)	31	1	29	1	30	2	15	7	24	..	1	..	1	25	83.3	
13	T.D. *	34	..	30	4	34	..	..	27@	27	..	..	4@	4	31	91.2	@ includes 1 and 2 students with distinction respectively.
14	B.Ed.	103	..	84	19	103	7@	46	30	83	4	9	5	18	101	98.0	@ includes 1 student with distinction.
15	M.Ed. (By papers)	12	2	10	..	10	..	4	6	10	..	..	..	..	10	100.0	
16	Preparatory & F.Y. Commerce	272	2	269	1	270	5	32	84	121	..	..	..	..	121	44.8	
17	(a) Inter Commerce	113	1	112	..	112	5	25	38	68	..	..	..	..	68	60.7	
	(b) Inter Commerce * vide o.434 in Accountancy only	9	..	9	..	9	..	..	4	4	..	..	..	..	4	44.4	

Results of the University Examinations of First Half, 1956 (March-April-June, 1956)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
18	(a) B.Com.	92	1	89	2	91	2	23	37	62	..	1	1	2	64	70.3	
	(b) B.Com. * vide 0.434 (B.A. students)	7	1	6	..	6	..	..	4	4	..	..	..	..	4	66.6	
	(c) B.Com. * vide 0.435 (in additional subject only)	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
19	M.Com.	4	..	4	..	4	..	1	3	4	..	..	..	..	4	100.0	
20	Diploma in Co-operation *	34	1	33	..	33	..	..	24	24	..	..	..	..	24	72.7	
21	Post-graduate Diploma in Banking*	8	..	8	..	8	..	..	8	8	..	..	..	..	8	100.0	
22	Ist M.B.,B.S. *	25	..	22	3	25	..	..	12	12	..	..	3	3	15	60.0	
23	IInd M.B.,B.S. *	29	..	25	4	29	..	..	21	21	..	..	2	2	23	79.3	
24	IIIrd M.B.,B.S. *	45	..	39	6	45	..	..	17@	17	..	..	4@	4	21	46.7	@ includes 2 and 1 students respectively getting distinction in Ophthalmology.

Results of the University Examinations of First Half, 1956 (March-April-June, 1956)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25	(a) F.E. (CMETeTt)	129	..	129	..	129	3	37	47	87	..	..	..	..	87	67.4	
	(b) F.E. * vide 0.635	19	..	19	..	19	..	..	18	18	..	..	..	..	18	94.7	
26	S.E. (CMETeTt)	156	..	156	..	156	6	46	49	101	..	..	..	..	101	64.7	
27	(a) B.E. (Civil)	62	..	62	..	62	3	22	23	48	..	..	..	..	48	77.4	
	(b) B.E. (Mechanical)	32	..	32	..	32	5	22	3	30	..	..	..	..	30	93.7	
	(c) B.E. (Electrical)	28	..	28	..	28	7	10	8	25	..	..	..	..	25	89.2	
28	T.Text. (Engineering)	5	..	5	..	5	1	4	..	5	..	..	..	..	5	100.0	
29	(a) F.Y. Diploma in Engineering (CME)	157	..	157	..	157	18	39	50	107	..	..	..	..	107	68.1	
	(b) F.Y. Diploma in Engineering (CME)* vide 0.591	52	..	52	..	52	..	..	50	50	..	..	..	..	50	96.1	
30	S.Y. Diploma in Engineering (CME)	184	..	184	..	184	26	80	49	155	..	..	..	..	155	84.2	
31	Diploma in Civil Engineering	73	..	73	..	73	7	27	21	55	..	..	..	..	55	76.3	(Result of one student in reserve)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
32	Diploma in Mechanical Engineering	71	..	71	..	71	38	18	10	66	..	..	..	..	66	92.9	
33	Diploma in Electrical Engineering	56	1	55	..	55	11	16	20	47	..	..	..	..	47	83.7	
34	Diploma in Textile Chemistry	39	..	39	..	39	2	13	22	37	..	..	..	..	37	94.8	
35	Diploma in Textile Technology	16	..	16	..	16	..	4	11	15	..	..	..	..	15	93.7	
36	Diploma in Architecture	42	..	42	..	42	2	7	14	23	..	..	..	..	23	56.1	
37	Diploma in Music *	27	..	21	6	27	..	..	10	10	..	..	4	4	14	51.0	
38	Diploma in Dance *	4	..	..	4	4	..	..	..	..	..	..	3	3	3	75.0	
39	Diploma in Dramatics *	3	..	2	1	3	..	..	2	2	..	..	1	1	3	100.0	
40	B.Mus. *	8	..	5	3	8	..	..	2	2	..	..	3	3	5	62.5	
41	M.Mus. *	4	..	..	4	4	..	..	..	..	..	..	1	1	1	25.0	
42	Diploma in Applied Arts *	2	..	2	..	2	..	..	2	2	..	..	..	..	2	100.0	
43	Diploma in Painting *	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
44	Post-Diploma Specialisation in Painting*	3	..	2	1	3	..	..	2	2	..	..	1	1	3	100.0	
45	B.A. (Fine) (Applied Arts) *	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	

1	1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
46	M.A. (Fine) (Painting) *	3	..	2	1	3	..	..	1	1	..	..	1	1	2	66.7	
47	M.A. Art Education *	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
48	Post-Graduate Diploma in Museology *	7	..	4	3	7	..	..	3	3	..	..	2	2	5	71.4	
49	B.Sc. (Home) *	16	..	..	16	16	..	..	..	..	..	..	16	16	16	100.0	
50	M.S.W. *	12	..	9	3	12	..	..		9	..	..	3	3	12	100.0	
51	M.Ed. (By thesis) *	..	..	3	2	5	..	..	3	3	..	..	2	2	5	100.0	
52	M.Sc. (By thesis) *	..	..	3	..	3	..	..	3	3	..	..	..	..	3	100.0	
53	Ph.D. (Education) *	..	..	..	1	1	..	..	..	..	..	..	1	1	1	100.0	
54	Ph.D. (Arts) *	..	..	5	..	5	..	..	4	4	..	..	..	..	4	80.0	

* In the examinations marked with asterisk no class is given. Number of successful students is given in pass class only.

CHAPTER II—OFFICERS AND AUTHORITIES OF THE UNIVERSITY

1. Officers

(1) The Chancellor:

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

(2) The Vice-Chancellor:

Shrimati Hansa Mehta, B.A. (Hons.) continued to work as Honorary Vice-Chancellor under Statute 115 during the year.

The Vice-Chancellor attended the following meetings in India:

(a) All India Council of Secondary Education at New Delhi—11th January, 1956.

(b) 23rd Session of the Central Advisory Board of Education at New Delhi—14th and the 15th January, 1956.

(c) Inter University Board of Sports at Baroda—4th, the 5th and the 6th May, 1956.

(d) 8th Session of the Indian Conference of Social Work, Bangalore—26th to the 29th December, 1955.

At the 31st Annual meeting of the Inter-University Board of India held at Aligarh on the 18th and the 19th January, 1956 she was elected as the President of the Board for the year 1956-57.

(3) The Pro-Vice-Chancellor:

Dr. C. S. Patel, B.A., M.Sc., Ph.D. continued to work as Pro-Vice-Chancellor under Statute 120 upto the 30th April, 1956. He was re-elected as Pro-Vice-Chancellor for a further period of three years from the 1st May, 1956 by the Senate at its meeting held on the 29th April, 1956.

The Pro-Vice-Chancellor attended the 117th meeting of the British Association for the Advancement of Sciences in England as a representative of the Indian Science Congress Association. He also visited Western Germany and Switzerland. He was away from India for the purpose from the 27th August, 1955 to the 4th October, 1955. He also attended the following meetings in India:

(a) Bombay State Industrial Research Committee at Bombay—2nd July, 1955 and the 18th November, 1955

(b) Sub-Committee of the Bombay State Industrial Research Committee—22nd and the 23rd July, 1955, the 4th November, 1955 and the 27th February, 1956.

(c) 31st Annual meeting of the Inter-University Board of India at Aligarh—18th and the 19th January, 1956.

(d) Executive Committee of the Indian Science Congress at Calcutta—5th May, 1956.

(4) *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.
Science	Professorr N. M. Bhatt, M.Sc., Ph.D., F.S.S.
Education and Psychology	Professor T. K. N. Menon, B.A., Dip. in Edu., M.A. (Edu.)
Commerce	Professor V. Y. Kolhatkar, M.Com., M.Sc. (Econ.)
Medicine	Dr. A. N. de Quadros, M.B.,B.S., D.P.H., F.R.C.S.
Technology and Engineering	Professor D. Subbarao, B. E. (Civil), A. M. I. E.
Fine Arts	Professor Markand Bhatt, G. D. (Art), M.A.
Home Science	(a) Dr. (Miss) F. P. Kitrell, B.S., M.S., Ph.D. (from the 1st April, 1955 to the 31st July, 1955 as Offg. Dean).
	(b) Kumari Justina Singh, M.Sc. (from the 1st August, 1955 to the 16th September, 1955 as Offg. Dean and from the 17th September, 1955 as Dean).
Social Work	Professor (Kumari) P. Vakharia, B.A., Dip. in S.S.A., M.S., Ph.D.

(5) *The Registrar:*

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

(6) *The Librarian :*

Dr. C. P. Shukla, M.A., B.T., M.A. (L.S.), Ph.D. continued to work as the University Librarian during the year.

(7) *Other Officers :*

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

Name of the Institution/Office	*Name of the Head*
Oriental Institute	Shri G. H. Bhatt, M.A.
College of Indian Music, Dance and Dramatics	Shri R. C. Mehta, B.A.
Baroda Sanskrit Maha-vidyalaya	Shri H. C. Mehta, M.A., B.T.
Intermediate College	Shri V. D. Salgaonkar, M.A., LL.B.
University Experimental School	Shri K. S. Yagnik, M.A., B.T.
Construction Division	Shri N. B. Patel, B.E. (Civil), A.M.I.E.
Wardens' Committee	Shri C. M. Shukla, B.A. (Hons.), M.A.
M. S. University Press	Shri R. J. Patel, B.A.
Physical Education	Shri B. K. Naik, Dip. in Phy. Edu., B.S. (P.E.), M.P.E.

2. Authorities

(1) 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, 1956. All the members mentioned therein continued in office till the end of the year except for the changes mentioned below :

(a) Dr. R. P. Paranjpye became an Ex-officio member of the Senate consequent upon his election as the Vice-Chancellor of the University of Poona from the 17th April, 1956.

(b) Shri B. D. Patel became an Ex-officio member of the Senate consequent upon his appointment as the Vice-Chancellor of the Vallabh Vidyapeeth, from the 13th February, 1956,

(c) Dr. D. P. Sethna, Surgeon General with the Government of Bombay, became Ex-officio member of the Senate in place of Dr. B. B. Dixit from the 30th May, 1956.

(d) Shri T. N. Tolani became an Ex-officio member of the Senate, in place of Shri J. A. Taraporewala, from the 19th June, 1956.

(e) Shrimati Gulbai Wadia was nominated on the Senate, in place of late Shrimati Savitaben Chokshi, from the 13th February, 1956.

(f) Shri A. C. Mukerji, Principal, Railway Staff College, was nominated on the Senate, in place of Shri B. D. Patel who became an Ex-officio member of the Senate as the Vice-Chancellor of the Vallabh Vidyapeeth, from the 13th February, 1956.

(2) The Syndicate :

The Syndicate elected in September-October, 1954 assumed office on the 1st November, 1954. The following persons continued to be the members of the Syndicate during the year :

(a) Shrimati Hansa Mehta, B.A (Hons.), Vice-Chancellor
(b) Dr. C. S. Patel, B.A., M.Sc., Ph.D., Pro-Vice-Chancellor
(c) Shri S. S. Bhandarkar, B.A., Director of Education
(d) Dr. Jivraj N. Mehta, L.M. & S., F.C.P.S., M.D., M.R.C.P.
(e) Shri C. J. Sutaria, B.A., LL.B.
(f) Dr. Jyotindra M. Mehta, M.A., Ph.D., Bar-at-Law
(g) Dr. R. K. Trivedi, M.Sc., D.Sc.
(h) Shri B. B. Joshi, L.T.M. (Hons.), A.T.I.
(i) Shri P. C. Hathi, B.A., LL.B.
(j) Shri N. D. Chokshi, B.A., LL.B.
(k) Professor T. K. N. Menon, B.A., Dip. in Edu., M.A. (Edu.)
(l) Professor (Kumari) P. Vakharia, B.A., Dip. in S.S.A., M.S., Ph.D.
(m) Shri V. Y. Kantak, M.A.
(n) Professor N. M. Bhatt, M.Sc., Ph.D., F.S.S.
(o) Dr. J. D. Pathak, B.Sc., M.D., F.C.P.S.

CHAPTER III—THE SENATE

1. Number of meetings

During the year two meetings of the Senate were held, the first on the 13th October, 1955 and the second on the 29th April, 1956.

2. First meeting

At the first meeting of the Senate held on the 13th October, 1955, condolence resolutions mourning the deaths of Shri C. C. Hulkotti, Shri Ramnarayan V. Pathak and Shrimati Savitaben Chokshi, members of the Senate, were passed. The following business was then transacted :

(1) Kumari Justina Singh, who had become an ex-officio member of the Senate, was assigned to the Faculty of Home Science.

(2) Renewal of lapsed grants amounting to Rs. 950 in the revenue budget and Rs. 6,31,402 in the capital budget and supplementary grants amounting to Rs. 34,951 in the revenue budget and Rs. 60,000 in the capital budget were sanctioned.

(3) Ordinances regarding the standard of admission, of passing, syllabus etc. for the degree of B. Arch. were considered and passed. Amendments or additions made to some of the other Ordinances were also considered and passed.

(4) Proposals to amend Statute 1 regarding annual meeting of the Senate, Statute 63 regarding vacating of office by a Syndicate member, Statute 85 regarding vacating of office by a member of the Council of Post-graduate Studies and Research, Statute 92 regarding addition of a Board of Studies in Bio-chemistry and giving powers to the Syndicate to appoint committees for subjects or group of allied subjects to perform the duties of the Boards of Studies, Statute 103 regarding holding a joint meeting of the Boards of Studies, Statute 111 regarding prescribing the term of office of members of Board of Accounts for two years, Statute 120 regarding the salary and allowances of the Registrar, Statutes 133 and 136 regarding elections and Statute 162 regarding addition of a degree in B. Text. (Tech.), were considered and passed. A proposal to add Statute 149A regarding casting of lots in case of equality of votes in any election was also considered and passed.

(5) Proposals to institute the following posts were considered and passed :

(a) Temporary post of a Lecturer in Mathematics, Faculty of Science for a period of one year from the 1st July, 1955.

(b) Temporary post of a Senior Lecturer in Civil Engineering, Faculty of Technology and Engineering for a period of one year from the 15th June, 1955.

(c) Temporary post of a Junior Lecturer in Philosophy, Faculty of Arts during the period 1st September, 1949 to the 31st December, 1949.

(d) Reader in Home Science, Faculty of Home Science.

(6) Action taken by the Syndicate in

(a) continuing the concessions granted by the former Governmentof Baroda to Maratha students by awarding two additional free-studentships in the Faculty of Fine Arts in the year 1950-51 over and above those sanctioned under the provisions of Ordinance 214, and

(b) awarding one additional post-graduate merit scholarship in each of the Faculties of Arts and Commerce in the year 1952-53 over and above those sanctioned under the provisions of Ordinance 212

was considered and approved.

3. Second meeting

At the second meeting of the Senate held on the 29th April, 1956, after discussion, the following resolution moved by Shri P. C. Hathi regarding medium of instruction in the University was considered and passed by a large majority :

'That the Senate do resolve that steps be taken to replace English by Rashtrabhasha (Hindi) as the medium of instruction upto the graduation stage in the first instance and that this change be brought about progressively in a manner consistent with the maintenance of proper standards during the period of transition.'

The following was the other business transacted at the meeting :

(1) Election of the Pro-Vice-Chancellor under section 12(1) of the Act.

Out of the following panel of three persons recommended by the Syndicate, Professor T.K.N. Menon and Professor D. Subbarao had requested permission of the House to withdraw their names from the election :

1. Dr. C. S. Patel
2. Professor T. K. N. Menon
3. Professor D. Subbarao

The House having granted the permission, Dr. C. S. Patel was declared elected as the Pro-Vice-Chancellor.

(2) Election to fill up three vacancies on the Board of Accounts under Statute 105A.

Dr. R. L. Desai, Shri S. A. Sabnis and Shri Chandravadan Chimanlal, being the only candidates duly nominated for election, were declared elected.

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

	Name	*Faculty*
(a)	Shrimati K. G. Karandikar, B.A, (Nagpur), M.A. (Ohio), elected by the teachers of the Faculty of Home Science	Home Science
(b)	Shri Chandravadan Chimanlal, elected as a representative of the Federation of Gujarat Mills and Industries	Commerce
(c)	Shrimati Gulbai Wadia, B. A. (Bom.), nominated by the Government of Bombay in place of the late Shrimati Savitaben Chokshi.	Arts

(4) The Annual Financial Statement comprising

(a) the Revised Estimates for the Revenue Budget for the year 1955-56 and the Estimates for the Revenue Budget for the year 1956-57, and

(b) the Revised Estimates for the Capital Budget for the year 1955-56 and the Estimates for the Capital Budget for the year 1956-57

was considered and adopted.

(5) Supplementary grants amounting to Rs. 16,035 in the Revenue Budget and Rs. 1,01,295 in the Capital Budget were sanctioned.

(6) Ordinances regarding the standard of admission, of passing, syllabi etc. for the degree of M.Sc. (Anatomy and Physiology, Pathology, Bacteriology and Parasitology, and Pharmacology), post-graduate Diploma in Museology and under-graduate Diploma in Civil, Mechanical and Electrical Engineering were considered and passed. Amendments or additions made to some of the other Ordinances were also considered and passed.

(7) Proposals to amend Statute 63 regarding vacating of office by a member of the Syndicate, Statutes 69, 84, 160, 162A regarding amending name of the Faculty of Technology (including Engineering) to the Faculty of Technology and Engineering, Statute 69A revising the list of subjects included in different Faculties, Statute 92 regarding cancellation of the power given to the Syndicate to appoint committees to perform the duties of the Boards of Studies as it was inconsistent with the provisions in the Act, Statutes 128, 131, 132, 133, 134, 136, 137 and 154 regarding elections, Statute 154A revising the list of registered trade unions entitled to elect one representative to the Senate, Statute 162 regarding addition of a post-graduate Diploma in Library Science in the list of degrees and diplomas granted by the University, Statutes 166 and 166A regarding registered graduates and Statute 170 regarding recognised Universities were considered and passed. Proposals to add Statute 120B under a separate Chapter XIIA—Officers vice Statute 115I cancelled by the Government regarding prescribing powers and duties of the Officers of the University, Statute 132A prescribing the number of registered graduates to be elected Facultywise to the Senate and Statutes 166B and 167 regarding registered graduates were considered and passed.

(8) The Sixth Annual Report and the Sixth Annual Accounts of the University for the year 1954-55 were considered and passed.

(9) Report of the Board of Accounts on the accounts of the University for the year 1954-55 was considered and passed.

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

Faculty of Arts

(a) Professor or Reader in English
(b) Reader in Gujarati
(c) Lecturer in History
(d) Lecturer in Hindi

Faculty of Science

(e) Lecturer in Botany
(f) Lecturer in Mathematics
(g) Lecturer in Zoology

Faculty of Education and Psychology

(h) Professor or Reader in Psychology

Faculty of Technology and Engineering

(i) Professor or Reader in Textile Manufacture

Faculty of Fine Arts

(j) Lecturer in Photography

Faculty of Home Science

(k) Lecturer in Home Science
(l) Lecturer in Home Science

Faculty of Social Work

(m) Reader in Social Work
(n) Reader in Mental Hygiene
(o) Lecturer in Social Work with retrospective effect from the 19th December, 1955.

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

	Present designation	*Proposed designation*
	Faculty of Arts	
(a)	Senior or Junior Lecturer in Linguistics	Reader or Senior Lecturer in Linguistics
(b)	Junior Lecturer in Politics and Administration	Senior Lecturer in Politics and Administration
	Faculty of Commerce	
(c)	Lecturer in Accounts	Lecturer in Banking and Accounts
(d)	Lecturer in Banking	Lecturer in Commerce
	Faculty of Technology and Engineering	
(e)	Professor of Textile Technology	Professor or Reader in Textile Engineering
	Faculty of Fine Arts	
(f)	Reader in Music	Professor or Reader in Music
(g)	Senior or Junior Lecturer in Dramatics	Reader or Senior Lecturer in Dramatics

ANSA MEHTA LIBRARY * UTKAL UNIVERSITY OF BARODA *

(12) A proposal to institute a temporary post of a Senior Lecturer in Civil Engineering in the Faculty of Technology and Engineering for a period of one year from the 15th June, 1956 was also considered and passed.

(13) Proposals

(a) to accord the consent of the Senate to the action taken by the Syndicate in charging the pay and allowances of the temporary post of Adviser created in the Faculty of Home Science from the 5th December, 1953 to the 30th June, 1954 to the vacant post of a Reader in the Faculty of Home Science and

(b) to approve of the practice so far followed in the various Faculties and Institutions of the University in the matter of charging fees for Transference Certificates

were considered and passed.

4. Average attendance

The attendance at the meetings of the Senate during the year was 56 in the meeting held on the 13th October, 1955 and 52 in the meeting held on the 29th April, 1956.

CHAPTER IV—THE SYNDICATE

1. Number of meetings

During the year the Syndicate held ten meetings (six Special and four Ordinary) at which they considered and passed resolutions on 742 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 the 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 developments and improvements in the existing departments

In the Faculty of Arts, a Junior Lecturer was added to the staff of the department of Archaeology as well as of Sociology in order to enable them to provide for the teaching and additional groups of papers. To provide for intensive teaching of English and Hindi in the Preparatory course, two additional part-time teachers in each of these two departments were sanctioned during the year and experienced teachers were invited to work on these posts. Suitable special grants were also provided for books, contingency and equipment to promote research and publication work in the departments of Gujarati, Sociology, History, Economics and Archaeology.

In the Faculty of Science, a Demonstrator was appointed from the 1st July, 1955 to assist the Reader in the newly started department of Bio-chemistry, and equipment worth Rs. 27,498 was also purchased for it. A special grant of Rs. 5,000 was sanctioned and spent during the year for additional equipment of the Geography department.

In the Faculty of Education and Psychology, the temporary increase of admissions to the B. Ed. class from 75 to 100, sanctioned last year, was made permanent and, instead of two part-time lecturers, a post of a whole-time lecturer was sanctioned from the 1st July, 1956 to cope with the increased practice-teaching supervision work.

In the Faculty of Commerce, provision was made for instruction in an additional group of two papers in Co-operation from June, 1955, and a Reader was appointed from the 1st July, 1955 for teaching this subject.

In the Faculty of Technology and Engineering, the second year class of the B. Arch. degree course was opened in June, 1955. An additional

Reader in Architecture was appointed in the department from the 13th October, 1955. A new post of a Junior Lecturer in Machine Drawing was added to the department of Textile Engineering to cope with the additional teaching work in the subject owing to the opening of the B. Text. (Eng.) course. Additional building accommodation at a cost of Rs. 30, 600 and additional equipment and furniture worth Rs. 5.25 lakhs were also provided in the Faculty during the year.

In the Faculty of Fine Arts, teaching work had greatly increased due to the starting of post-graduate classes. The Syndicate considered the requirements and sanctioned new posts of a Reader in Applied Arts, a Junior Lecturer in Art History and a part-time Instructor in Pottery and Ceramics in the Faculty during the year. Additional building accommodation costing Rs. 17,000 and equipment and furniture costing Rs. 15000 were also provided in the Faculty.

In the Faculty of Home Science, M. Sc. (Home) course in Foods and Nutrition was started and to provide for this instruction a post of a Reader in the subject was created in the Faculty and filled in from the 1st August, 1955. The staff of the Faculty was further strengthened by the addition of a Demonstrator in Home Management. To give practice in Home Management to the students, a Home Management House was constructed in the Faculty at an approximate cost of Rs. 63,000. Equipment and furniture worth Rs. 21,250 were also purchased during the year.

In the College of Indian Music, Dance and Dramatics, a new post of an Ustad in Tabla was created from June, 1955 to cope with the increased accompaniment work due to the starting of the second year of the M. Mus. course. The staff of the Dramatics department was strengthened by the addition of a Junior Lecturer. Books worth Rs. 2,600 were purchased for the library of the College during the year.

3. Starting of new departments and courses

Preliminary arrangements about the staff and equipment for opening a new department of Bio-chemistry having been completed earlier, the department was opened on the 17th June, 1955 and five students were admitted. The department provides a post-graduate course leading to the degree of M.Sc. in Bio-chemistry.

A new four year course leading to the degree of Bachelor of Textile Technology was commenced in the Faculty of Technology and Engineering from June, 1955.

As a result of the decision of the Syndicate taken during the preceding year to adopt the three year degree course in the Faculties of Arts, Science and Commerce and as a first step towards the same, the first year courses in these three Faculties were re-organised into Preparatory courses of one year's duration. These courses commenced from the 15th June, 1955 in the Intermediate College. A Committee was also appointed to prepare a scheme of the three year degree courses and on its recommendation, the Syndicate approved the scheme of three year degree courses and gave directions to the Boards of Studies to frame suitable courses.

In the Faculty of Education and Psychology, special methods in Home Science, Agriculture and Commerce were introduced in B.Ed. course. School Libraries and School Administration were also introduced as optional subjects in the same course from June, 1955.

In the Faculty of Commerce, a new optional group of two papers in Co-operation was introduced from June, 1955 in the B. Com. course.

4. Honorary Professors

The scheme of inviting eminent scholars and experts in the specialized branches of knowledge as Honorary and Visiting Professors and Lecturers is continued. 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, Honorary Professor in Dramatics in the College of Indian Music, Dance and Dramatics, Shri L. B. Shastri, Honorary Lecturer in Aesthetics and Shri H. K. Doring, Honorary Professor of Sculpture in the Faculty of Fine Arts were continued during the year. Besides, Principal N. M. Shah was invited as Honorary Professor in the Faculty of Science to teach Mathematics in the higher classes. Besides these, some other eminent persons were invited to deliver lectures, the details of which will 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 the members of the staff in the research work undertaken by them. During the year there were twelve research assistants, two in the Department of Gujarati, one each in the Departments of Archaeology, Sociology, Economics, Chemistry, Botany, Fine Arts and Music and three

in the Faculty of Education and Psychology and one research student in the Botany Department. The total amount spent over this scheme during the year was Rs. 13,521.

6. Additional grants for research

The University also considered the schemes of surveys, research, studies, etc. submitted by the members of the staff and sanctioned necessary grants for 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/Faculty	*Particulars*	*Amount spent* Rs.
Gujarati	Scheme of publishing critical editions of old Gujarati Text.	5,136- 6- 6
	Publication of the late Shri B. K. Thakore	1,298-13- 0
Sociology	Series Books, equipment and contingencies for field work	4,185- 1- 9
History	Scheme of Research in Muslim History of Gujarat	941- 8- 9
	Research in Modern Indian History	39- 4- 0
	Scheme of compilation of a Chronology of Gujarat	3,369- 6- 3
Economics	Books	499- 1- 0
Education and Psychology	Apparatus, equipment, printing, stationery, T. A. and contingency for research in Education	2,433-10- 3
Technology and Engineering	Study of Geology of '*Amba Mata*' Area	464- 9- 6
College of Indian Music, Dance and Dramatics	Books	1,617- 7- 9
	Publication of Research papers etc.	500- 0- 0
	Total	20,485- 4- 9

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

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

(a) Study leave: Under Ordinances regarding study leave, a teacher in the permanent employment of the University of 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. Besides, he is paid travelling expenses and tuition fees in addition.

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

(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 members of the staff are awarded suitable amounts as Studentships or Fellowships for further studies or research work in other Universities and National Research Laboratories or Institutions in India.

(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*
(i)	Shri S. T. Kothari	Junior Lecturer in Politics	Leave without pay	M.A. (Econ.) (London)
(ii)	Dr. 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, Sweden
(iii)	Kumari Savitri Pandit	Junior Lecturer in Home Science	Due leave and leave without pay	B.Sc. (Home Science), Washington, U.S.A.

	Name	*Designation*	*Type of facility*	*Qualifications acquired*
(iv)	Kumari Amita Mehta	Senior Lecturer in Home Science	Due leave and leave without pay plus one way airpassage	Further Training in Child Development, Extension and General Home Economics at the University of Tennessee
(v)	Shri B. R. Seju	Demonstrator in Chemistry	Leave without pay	Higher study in Metallurgy at University of Durham.

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

	Name	*Designation*	*Type of facility*	*Nature of studies*
(i)	Shri A. S. Patel	Junior Lecturer in Education and Psychology	Leave without pay and studentship of Rs. 150/- p.m.	Ph.D. in Psychology, University of Wisconsin, U.S.A.
(ii)	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 in India and abroad as shown below and they commenced their work at the respective Universities during the year:

	Name	*Designation*	*Type of facility*	*Nature of studies*
(i)	Shri V. C. Shah	Demonstrator in Zoology	Leave without pay	Post-graduate study at the University of Minisota, U.S.A.
(ii)	Shri K. G. Subramanyam	Senior Lecturer in Painting	Due leave and leave without pay	To avail himself of the award of British Council Research Scholarship for higher studies and research in Painting in U. K.

	Name	*Designation*	*Type of facility*	*Nature of studies*
(iii)	Shri N. B. Joglekar	Junior Lecturer in Lithography	Study leave for 2 years	For studies leading to the Diploma in Graphic Arts at the London School of Painting and Graphic Arts
(iv)	Shri K. S. Shah	Junior Lecturer in Mechanical Engineering	Leave without pay	Practical training in Diesel Engineering in Graz, Austria
(v)	Shri R. V. Joshi	Demonstrator in Physics	Due leave and leave without pay	Ph. D. in Physics, University of Leeds, U. K.
(vi)	Shri Baljit-singh	Tutor in Politics	Leave without pay	Ph. D. at the Indian School of International Studies, Delhi.

(d) The following members of the staff were granted necessary facilities as shown below to go abroad :

	Name	*Designation*	*Type of facility*	*Purpose*
(i)	Dr. C. S. Patel	Pro-Vice-Chancellor	Duty leave	To attend 117th meeting of the British Association for the Advancement of Sciences at Bristol, U. K.
(ii)	Professor S. M. Sethna	Professor of Chemistry	Duty leave	To go to U. K. and U.S.A. as a member of the Study Team sent by the Government of India for studying the organisation of General Education courses there.

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

	Name	*Designation*	*Training*
(i)	Shri C. C. Shah	Senior Lecturer in Mathematics	For studying Modern Development in Mathematics at Tata Institute of Fundamental Research, Bombay
(ii)	Shri S. K. Damle	Junior Lecturer in Civil Engineering	Practical training at Hindustan Construction Co., Bombay, from the 1st March, 1956 to the 30th June, 1956.
(iii)	Shri C. T. Shah	Junior Lecturer in Banking and Accounts	For practical training in Bank Accounts at the Central Bank of India, Ahmedabad and United Commercial Bank, Calcutta.

8 Rules revised and added

(1) Rules revised :

(a) Ordinances regarding the award of freestudentships to students were amended to include therein rules for determining the poverty of a student. The rules require that (i) a certificate of poverty should be produced from the Headmaster of the High School which the candidate last attended, (ii) the candidate should be interviewed by the authorities concerned and all relevant information be gathered for the award of free-studentships.

(b) Ordinances regarding the annual returns to be sent by the Deans of the Faculties and the Heads of the Institutions were amended so as to exclude unnecessary returns and the dates of sending the same were modified to suit the official year.

(c) Ordinance regarding the grant of casual leave to the employees of the University was amended so as to provide additional casual leave of 5 days for the employees of the Mental Hygiene and Psychiatric Clinic as the staff works on the working days of Shree Sayaji General Hospital which has a smaller number of holidays.

(d) Ordinance regarding the grant of special leave to Ustads of the College of Indian Music, Dance and Dramatics was amended to include therein the lecturers of the College also.

(e) Rules Nos. 5 and 6 were added to the Rules regarding sharing of net profits derived from the sale of articles prepared as a part of prac-

tical work or as outside order work in the Faculties and Institutions of the University. The Vice-Chancellor is authorised to permit the Dean of the Faculty or the Head of the Institution to waive crediting of 100% or 50% of the profits to the University and allow the student to retain the whole amount after deducting the expenditure incurred by the Faculty, in case an article or a piece of art prepared by him is acquired by the Government or a public body, by way of encouragement to Art. The Syndicate is given powers to pass necessary orders in special cases.

(f) Ordinance regarding the award of post-graduate scholarships was amended and the amount of Rs. 30 p.m. was increased to Rs. 40 p.m.

(2) *New rules :*

(a) A University Guest House was established and the necessary rules for its running were passed.

(b) Rules regarding granting permission to print some portions from the works of the late Professor B. K. Thakore were passed.

(c) The Gujarati Department in the Faculty of Arts is publishing old Gujarati Texts. It was found necessary to entrust the work of editing to outside scholars. Rules for entrusting the work of editing some texts to be published under the Series—Critical Editions of old Gujarati Texts—to some competent outside scholar or scholars were passed.

(d) In order to facilitate administration work, the Syndicate delegated some further powers to the Vice-Chancellor. Chief amongst these are :

(i) deputing an employee to go to outside places in India to attend meeting of bodies or committees appointed by the Central or State Governments or other Universities or academic bodies ;

(ii) inviting distinguished scholars or experts in different subjects to give lectures or demonstrations from the grant for lecturers provided in the University Office budget and sanctioning expenditure thereof ;

(iii) inviting Visiting Professors, Lecturers, Demonstrators, Performers, Part-time Teachers etc. out of the grants provided in the Faculty budget and sanctioning expenditure thereof ;

(iv) giving permission to employees to accept outside work and to permit them to receive remuneration ;

(e) Rules regarding payments to Honorary and Visiting Professors and Lecturers were also framed during the year and circulated to all Faculties and Institutions. These rules clarified the rates of payment etc. to different categories of lecturers.

(f) The Departments of Process and Photography in the Faculty of Fine Arts receive outside orders. Rates for outside order work undertaken by the Department were approved.

(g) The services of the part-time Internal Auditor were discontinued and a permanent post of an Internal Auditor was created. The rules outlining the work of the Internal Auditor and his duties etc. were approved.

(h) The University Experimental School is a grant-in-aid school and the service rules of the employees are to be approved by the Educational Inspector. A set of rules based on the rules regarding conditions of service etc. for University employees were framed and sent to him. The approved rules were accepted by the Syndicate.

9. Development proposals under the Second Five Year Plan

As desired by the University Grants Commission, the Syndicate prepared plans of development of the University under the Second Five Year Plan and submitted to them in July, 1954. The Commission subsequently required the University to send the development schemes departmentwise in a particular form in two separate sets—one for Humanities and another for Science and Technology. While preparing the plans in the revised form it was suggested that the plans may be revised also to include specific schemes of research and development of post-graduate teaching. Accordingly, the Syndicate revised the proposals for the Second Five Year Plan and sent them to the Commission in July, 1955. The following grants are requested from the Commission in the revised plans :

Item	*Humanities* Rs.	*Science and Technology* Rs.	*Total* Rs.
Buildings	30,85,000	13,82,000	44,67,000
Equipment	2,47,500	27,46,225	29,93,725
Books	3,60,500	2,56,360	6,16,860
Non-recurring spread over five years.	13,75,220	4,78,830	18,54,050
Total	50,68,220	48,63,415	99,31,635

10. Attendance at meetings.

The following statement shows the attendance of members at the meetings of the Syndicate during the year :

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

CHAPTER V—OTHER AUTHORITIES OF THE UNIVERSITY

1 Council of Post-graduate Studies and Research

The Council of Post-graduate Studies and Research held three meetings during the year on 9th August, 1955, on 23rd December, 1955 and on 14th March, 1956.

Some of the important recommendations made by the Council were as under :

(1) The Council recommended for approval the following research schemes :

(a) 'Biosynthesis of Citric Acid in Citrus Fruits (Citrus aurantifolia)' submitted by Dr. C. V. Ramkrishnan, Head, Dr. K. G. Naik Department of Biochemistry, Faculty of Science.

(b) 'A detailed study of the Geology of Amba Mata area with special reference to the origin of granites in that area' submitted by Shri S S. Merh, Senior Lecturer in Geology, Faculty of Technology and Engineering.

(c) 'Scheme of research in Archaeology' submitted by Dr. B. Subbarao, Head, Department of Archaeology, Faculty of Arts.

(d) 'A Survey of Rural Local Government in Baroda Taluka' submitted by Shri K. S. Desai, Senior Lecturer in Politics, Faculty of Arts.

The Syndicate approved the recommendations of the Council.

(2) The Ordinances for the following post-graduate courses were recommended for approval :

M.Sc. examination in (i) Anatomy and Physiology, (ii) Pathology, Bacteriology and Parasitology, (iii) Pharmacology and (iv) Bio-chemistry.

The Syndicate approved the recommendation of the Council.

(3) The Council recommended the recognition of the following teachers as post-graduate teachers for the degrees and subjects shown against each of them. The recommendation was approved by the Syndicate :

	Name	*Diploma/Degree*	*Subject*
	Faculty of Arts		
1	Dr. U. P. Shah	M.A., Ph.D.	(a) Sanskrit-Jain Philosophy
			(b) Ancient Indian History and Archaeology (Groups A and B)
			(c) Prakrit
2	Shri B. G. Desai	M.A.	Philosophy
	Faculty of Science		
3	Professor N. M. Bhatt	Ph.D.	Statistics
4	Dr. C. M. Mehta	M.Sc., Ph.D.	Chemistry (Organic)
5	Dr. J. S. Dave	M.Sc., Ph.D.	Chemistry (Inorganic and Physical)
6	Dr. N. S. Pandya	M.Sc., Ph.D.	Physics
7	Dr. C. V. Ramkrishnan	M.Sc., Ph.D.	Biochemistry
8	Dr. R. L. Desai	Ph.D.	Chemistry
9	Shri M. S. Patel	M.A., M.Sc.	Statistics
10	Professor S. M. Sen	Ph.D.	Physics
	Faculty of Education and Psychology		
11	Professor T.K.N. Menon	M.A., Ph.D.	Psychology
12	Professor S. N. Mukerji	Ph.D.	Educational Administration
13	Shri L. J. Bhatt	M.A., Ph.D.	Psychology
14	Shri T. P. Lele	(a) M.A.	Psychology
		(b) Ph.D.	Education and Psychology
15	Dr. T. V. Srinivasiah	M.A., Ph.D.	Psychology
16	Shri K. S. Yajnik	M.Ed. (Research)	Education
	Faculty of Commerce		
17	Dr. V. Sunder Rajan	Ph.D.	Economics
	Faculty of Medicine		
18	Dr. J. Mordecai	M.Sc.	Bacteriology
19	Dr. Srinivasan Narayan	D.L. and O.	Ear, Nose and Throat

	Name	*Diploma/Degree*	*Subject*
	Faculty of Fine Arts		
20	Shri C. C. Mehta	Ph. D.	Dramatics
21	Dr. (Kumari) B. C. Doctor	Post-graduate Diploma in Museology	Museology
	Faculty of Home Science		
22	Kumari Justina Singh	M. Sc. (Home)	Foods and Nutrition
23	Dr. (Miss) M. F. Reed	M. Sc. (Home)	Child Development and related subjects such as Child Psychology, the Home and Child parent Education
	Faculty of Social Work		
23	Shri R. S. Rathee	M. S. W.	Social Work
24	Shri B. R. Deolalikar	M. S. W.	Social Work
25	Shri G. G. Dadlani	M. S. W.	Social Work.

(4) The Council recommended the appointments of referees for examining the following theses:

(a) An Experimental investigation into the effect of an Emotional Attitude on the Academic Achievement with special reference to 'Anger', submitted by Smt. M. S. Jayamma for the M.Ed. degree in Education.

(b) An Experimental investigation into the effect of an Emotional Attitude on the Academic Achievement with special reference to 'Fear', submitted by Smt. M. G. Premalatha for the M.Ed. degree in Education.

(c) Electrolytic reduction of Glucose to Serbitol and paper Chromatography of Sugars and related substances, submitted by Shri S. N. Parikh for the M.Sc. degree in Organic Chemistry.

(d) Chemical investigation of the roots of the Indian medicinal plant Cardiospermen halicacabum (Linn) and a new method for the synthesis of Benzo-y-Pyrones, submitted by Shri K. B. Desai for the M.Sc. degree in Organic Chemistry.

(e) A critical edition of the *Gnana Gita* (1616 A.D.) of Narhari with a study of the life and the work of the author and the

tradition of *Gnana Margi* poets in old Gujarati Literature, submitted by Shri S. H. Joshi for the Ph.D. degree in Economics.

(f) A study of the Mhers of Saurashtra (being an exposition of their Social Structure and Organisation), submitted by Shri H. R. Trivedi for the Ph.D. degree in Sociology.

(g) The tourist Industry of India, submitted by Shri K. C. Chakravarti for the Ph.D. degree in Economics.

(h) Studies in certain aspects of the Anatomy and Physiology of Reptiles with special reference to Chelonia, submitted by Shri R. V. Shah for the Ph.D. degree in Zoology.

(i) Archaeology of Baroda, Broach and Surat Districts upto 1300 A.D., submitted by Shri R. N. Mehta for the Ph.D. degree in Archaeology.

(j) The achievement test in Arithmetic (for Primary schools, Standards I to VI), submitted by Shri N. N. Shah for the M.Ed. degree in Education.

(k) Developmental and Anatomical Studies in vitis with special reference to its tendril and Axillary Buds, submitted by Shri J. J. Shah for the Ph.D. degree in Botany.

(l) A study on the structure and metabolism of the Bird and Bat flight muscle, submitted by Kumari Dolly M. Jyoti for the Ph.D. degree in Zoology.

(m) A critical edition of Simhasana Batrisi (V.S. 1519–1463 A.D.) of Malaya Chandra with a comparative study of the story Cycles of the Simhasana Batrisi mainly in Gujarati Literature, submitted by Shri R. M. Patel for the Ph.D. degree in Gujarati.

(n) The Dialect of Charotar—A Linguistic Study, submitted by Shri B. R. Chokshi for the Ph.D. degree in Gujarati.

(o) Social Structure of the Bhils of Ratanmal, submitted by Shri Y. V. Surendranath for the Ph.D. degree in Sociology.

(5) The Council considered the Seventh, the Eighth and the Ninth half-yearly progress reports of the series of Critical Editions of old Gujarati Texts (Prachin Gurjar Granthmala) and recommended that they be recorded.

(6) The Council also considered the progress reports of the Research students for the year 1954-55 and recommended that they be recorded.

2 Faculties

During the year the Faculties of Arts, Science, Commerce, Technology and Engineering, Fine Arts and Social Work met once. The following joint meetings were convened in the month of January, 1956 :

(1) Arts and Commerce
(2) Arts, Science and Commerce
(3) Arts, Science, Commerce and Technology
(4) Science and Technology
(5) Science and Medicine

The Faculties of Education and Psychology and Home Science could not meet during the year.

The dates of the meetings of the Faculties are shown below :

	Name of the Faculty	*Date of the meeting*
1	Arts	21st January, 1956
2	Science	22nd January, 1956
3	Commerce	21st January, 1956
4	Medicine	(a) 5th December, 1955
		(b) 29th April, 1956
5	Technology and Engineering	30th November, 1955
6	Fine Arts	31st January, 1956
7	Social Work	3rd February, 1956
8 to 12	All the Joint Faculties	22nd January, 1956

The scheme for the three year degree courses prepared by the Committee appointed by the Vice-Chancellor for the purpose was considered by the respective Faculties in the Faculties of Arts, Science and Commerce. The schemes of the pre-professional courses in the Faculties of Medicine and Technology and Engineering were considered at a Joint meeting of the Faculties of (a) Science and Medicine and (b) Science and Technology and Engineering respectively.

The Faculties of Arts, Science and Commerce recommended that the syllabi in various subjects at the Preparatory examinations as recommended by the relevant Boards of Studies be approved.

The Faculties considered such of the recommendations of the Boards of Studies as were placed before them.

The important business transacted at the various meetings is shown below under each Faculty head :

Faculty of Arts :

The Faculty of Arts met on the 21st January, 1956 and recommended that Linguistics be allowed to be offered as a Subordinate subject with any language as a Principal one at the M. A. examination and that the study of the subject be introduced from June, 1956.

Faculty of Science :

The Faculty of Science met on the 22nd January, 1956 and recommended that it was not desirable to start a course in Biometry at the time at the post-graduate level and that the Boards of Studies in Botany and Zoology be requested to consider the advisability of prescribing such basic portion of Biometry as they thought fit. The prescribed course would not necessarily form a part of the final examination.

Faculty of Medicine :

The Faculty of Medicine met twice during the period on the 5th December, 1955 and again on the 29th April, 1956.

The Faculty at its meeting held on the 5th December, 1955

(a) appointed a Committee consisting of (i) Dr. B. B. Yodh, (ii) Dr. C. M. Mehta, (iii) Professor A. K. Niyogi and (iv) Dr. A. N. de Quadros (Convener) as members to go through the question of laying down details for the post-examination training of twelve months. Dr. B. B. Yodh was requested to prepare a questionnaire for the purpose of collecting factual information and the Principal, Medical College, Baroda was requested to collect the information required. The information so collected was placed before the Faculty of Medicine which met on the 29th April, 1956. This Committee was dissolved by the Faculty of Medicine at its meeting held on the 29th April, 1956 ;

(b) appointed a Committee consisting of the Deans of the Faculties of Science and Medicine and some of the teachers of both the Faculties to work out full details of the Pre-Medical course. The recommendations of the Committee were placed before the Joint meeting of the Faculties of Science and Medicine held on the 22nd January, 1956 ;

(c) recommended as an interim measure that the percentage of marks reserved for tutorials be increased from 20 to 25 so as to make it 25% for both theory and practicals ;

(d) considered the resolution passed by the Association of Ophthalmologists, Bombay in the matter of including Ophthalmology at the final

M.B.,B.S. examination and reiterated its decision taken previously that Ophthalmology be examined as a part of General Surgery ;

(e) recorded the proceedings of the All India Council of Post-graduate Medical Education in the matter of regulations for the Diploma in Anaesthesia ;

(f) recommended that the Faculty was not in favour of holding practical examinations before written examinations.

The Faculty of Medicine met again on the 29th April, 1956 and

(a) recommended that the draft scheme of Internship for the post-examination training of students declared successful at the final M.B.,B.S. examination as sent by the Secretary to the Government of Bombay, Local Self Government and Public Health Department be accepted ;

(b) appointed a committee consisting of (i) Dr. B. B. Yodh, (ii) Dr. C. M. Mehta and (iii) Dr. A. N. de Quadros as members to visit neighbouring Public Health Units and ten specified Hospitals and to report on their suitability for recognition by the University for post-examination training ;

(c) drafted a new form for the examiners' reports and recommended its acceptance ;

(d) recommended that the Government of Bombay be approached to revise the rules regarding the signing up of students of the Medical College, Baroda in view of the credit system followed in this University.

Faculty of Technology and Engineering :

The Faculty of Technology and Engineering met on the 30th November, 1955 and

(a) recommended for adoption Ordinances regarding standard of admission, syllabi, standard of passing etc. for the examination for the Degree of Bachelor of Textiles (Technology) ;

(b) recommended schemes of

(1) 4 year integrated course leading to the degree of the Bachelor of Engineering after Preparatoy Examination in Science ;

(2) 5 year integrated courses leading to the degree of (i) Bachelor of Textiles (Engineering) and (ii) Bachelor of Textiles (Technology) after Preparatory Examination in Science ;

(c) considered the resolution No. 1 (5) passed by the Inter-University Board of India at its 29th Annual meeting held at Mysore on the 21st December, 1953 and recommended that as it was proposed to introduce in the near future a four year integrated course leading to the degree of B.E. (C.M.E.) after the Preparatory course of one year's duration and to abolish the Inter Science examination in order to give effect to the recommendations of the Central Advisory Board of Education of the Government of India, it was not feasible to make separate provision for six months' practical training.

Faculty of Fine Arts :

The Faculty of Fine Arts met on the 31st January, 1956 and

(a) recommended that the recommendation contained in the report of Professor S. N. Mukerji that the percentage of marks of class records for the final examination may be raised to fifty be not accepted in view of the Grades Credit System followed in the Faculty and that *status quo* be maintained ;

(b) recommended that the courses in Dramatics leading to a degree should be taught in the Faculty of Fine Arts and not in the Faculty of Arts as and when introduced ;

(c) referred the letter dated the 21st December, 1954 from the President, Kalabhavan Architects' Association, Delhi, addressed to the Vice-Chancellor forwarding a copy of the resolution of the Association requesting for facilities for diploma holders to study in the Final year of the degree course in Architecture to the Board of Studies in Architecture for consideration and opinion ;

(d) referred to the Board of Studies in Museology the question whether a graduate in Fine Arts who has done Museology during the course of his study for the degree of B. A. (Fine) be given preference for admission to the Post-graduate Diploma course in Museology and whether any seats be reserved for such students.

Joint meeting of the Faculties of Arts, Science, Commerce and Technology and Engineering :

At the joint meeting of the Faculties of Arts, Science, Commerce and Technology and Engineering held on the 22nd January, 1956 the Resolution No. IX (3) of the Inter-University Board of India passed at its meeting held at Mysore on the 21st December, 1955 recommending that the minimum age for admission to the post-matriculation class be

16 in the case of Universities which have a three year degree course and 15 in the case of those which have a two year Intermediate Course followed by a two year degree course was approved.

Joint meeting of the Faculties of Science and Technology and Engineering :

At the joint meeting of the Faculties of Science and Technology and Engineering held on the 22nd January, 1956 the four year integrated courses leading to the degree of B. E. and five year integrated courses leading to the degrees of B. Text. (Tech.) and B. Text. (Eng.) as recommended by the Faculty of Technology and Engineering were approved and it was recommended that the syllabi in Science subjects be drawn up by the relevant Boards of Studies in Science and in Engineering or Technology as the case may be at a joint meeting of the Boards to be held for the purpose.

Joint meeting of the Faculties of Science and Medicine :

At the joint meeting of the Faculties of Science and Medicine held on the 22nd January, 1956, the following recommendations were made :

(a) Recommendations of the Committee appointed by the joint Faculties regarding amending Ordinances for the M. Sc. examination in Biochemistry so as to bring them in line with the Ordinances for M. Sc. examination in other Medical subjects were approved.

(b) It was recommended that the introduction of the Pre-Medical course in this University was desirable and necessary. The following subjects of study for the Pre-Medical course were recommended :

(i) Physics
(ii) Chemistry (Organic and Inorganic with stress on Organic Chemistry)
(iii) Biology
(iv) Sociology
(v) Elementary Statistics
(vi) English
(vii) General Education

In order to implement the above recommendation it was recommended that Government be requested to give a fixed percentage quota to this University for admission to Medical College, Baroda and to permit a qualifying test to be held for rest of the seats.

3 Boards of Studies

Excepting the Boards of Studies in (1) Mathematics, (2) Sanskrit, Pali and Ardha Magadhi Languages and Literature and (3) Social Work which met twice, all the Boards met once during the year on the dates shown below and transacted business of a routine nature, like holding elections, considering the reports of Examiners, preparing panels of examiners, recommending books, etc.

Name of the Board of Studies	*Date of the meeting*
Home Science	13th August, 1955
(1) Commerce etc. (2) Chemistry (3) Biochemistry (4) Economics	26th November, 1955
(1) Museology (2) Statistics and Actuarial Science	27th November, 1955
(1) Social Work (2) Mathematics (3) Zoology	28th November, 1955
(1) Physics and Meteorology (2) Technology (Textile) (3) Engineering (4) Technology (Textile) and Engineering (joint)	30th November, 1955
Philosophy	2nd December, 1955
Botany	4th December, 1955
(1) History, Archaeology and Ancient Indian Culture (2) Anatomy and Physiology (3) Medicine, Surgery, Midwifery etc.	5th December, 1955
Politics and Administration	7th December, 1955
Painting, Sculpture and Applied Arts	9th December, 1955
(1) Sanskrit, Pali and Ardha-magadhi Languages and Literature (2) Sociology	10th December, 1955
(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) Marathi Language and Literature, (6) English Language and Literature, (7) Modern and Ancient European Languages and Literature, (8) Pharmacology and Pathology, (9) Languages and Literature (Joint)	11th December, 1955
Geology and Geography	15th December, 1955
Music, Dancing and Dramatics	17th December, 1955
Psychology	19th December, 1955

Name of the Board of Studies	*Date of the meeting*
Education	20th December, 1955
Architecture	8th January, 1956
Social Work	3rd February, 1956
Mathematics	16th February, 1956

All the Boards of Studies under the Faculties of Arts, Science and Commerce considered the syllabi drawn up by the Heads of Departments and teachers concerned for the Preparatory Examinations and approved the same with modifications wherever necessary.

The joint meeting of the Board of Studies in (1) Sanskrit, Pali and Ardhamagadhi, (2) Persian, Urdu and other Asian Languages, (3) Hindi, (4) Gujarati, (5) Marathi, (6) English and (7) Modern and Ancient European Languages and Literature held on the 11th December, 1955 to consider the recommendations of the Committee for Linguistics passed at its meeting held on 9th April, 1955 recommended that:

(a) the draft Syllabus for the two papers in Linguistics to be offered as a Subordinate subject at the M.A.examination, as submitted by the Committee, be approved;

(b) Paper IV B (Languages) be reconstituted and it be left to the Board to frame the syllabus for it afresh, but that in framing the syllabus, provision be made for an acquaintance with the elementary principles of General Linguistics;

(c) Linguistics (Subordinate) be allowed to be offered as an allied subject to all the languages (Principal) at the M.A. Examination.

The above recommendations were approved by the Faculty of Arts and the Syndicate.

The several Boards of Studies in languages reconstituted Paper IV at the M.A. examination.

The Boards of Studies in (1) Physics and Meteorology (2) Chemistry (3) Botany (4) Zoology (5) Biochemistry (6) Statistics and Actuarial Science and (7) Mathematics recommended as under on the suitability of introducing Biometry as one of the subjects of study at the graduate and post-graduate level as per the recommendation of the University Grants Commission and the proposal of the Head of the Department of Zoology.

(a) Physics and Meteorology: that the elements of Biometry may be included as a part of the B.Sc. syllabus in Principal Botany, and Principal Zoology.

(b) (i) Chemistry, (ii) Biochemistry, (iii) Statistics and Actuarial Science: that as the students of Botany and Zoology do not at present do Mathematics even upto the Inter Science level, it is not desirable to start the course in Biometry at present.

(c) Botany: that the courses in Biometry be introduced as an optional subject as a prelude to post-graduate studies for such post-graduate students as need it.

(d) Zoology: that 'Biometry' may be introduced for Zoology students at the post-gra duate level. But as there are other subjects of equal importance in Biological Sciences for specialization and research, it is desirable that the Chairman of the various Boards and the Heads of the various Departments should meet and explore the possibility of introducing the same.

(e) Mathematics: that place should be found, if possible, for this subject in the syllabuses for the Principal Botany and Principal Zoology in the new three year degree course.

(1) The Board of Studies in Marathi Language and Literature recommended that:

(a) in order to maintain uniformity with other languages, students be not allowed to offer 'Geography' as a subject allied to Marathi at the B.A. Special Examination;

(b) students be allowed to offer 'Hindi'as a subject allied to Marathi at the B.A. Special Examination and as a Subsidiary Language at the M. A. Examination when they offer Marathi as the Principal language.

(2) The Board of Studies in Sociology recommended that:

(a) the present practice of giving only the titles of the papers and the recommended books in Sociology for Papers I and II at the B.A. examination be discontinued and a list of the various topics to be covered under each paper be drawn up;

(b) the list of topics for the papers drawn up by the Committee appointed by the Board be approved;

(c) laid down Syllabus for Paper VI Physical Anthropology—Theory at the B.A. (Special) in Sociology;

(d) the restriction that only those who have offered at least two papers in Sociology at the B.A. Examination be admitted to M.A. course in Sociology, as laid down under the resolution,

be removed with retrospective effect from June, 1955 in view of the difficulties encountered in making admissions to the M.A. Course in Sociology;

(e) the present practice permitted under O. 512 of allowing students offering 6 papers in a Principal language to take 2 papers in Sociology be discontinued with effect from June, 1956.

(3) The Board of Studies in History, Archaeology and Ancient Indian Culture recommended that:

(a) in order to make the tutorial system effective the tutorial group should not be of more than 10 students and that steps be taken to implement the suggestion at an early date;

(b) the purpose in view *viz.* revising the syllabi in Ancient Indian History and Archaeology as directed by the Faculty of Arts at its meeting held on the 23rd January, 1955 will be better served by styling the subject as 'Indian History upto 1000 A.D. and Archaeology upto 1600 A. D.' instead of calling it 'Ancient Indian Culture'.

(4) The Board of Studies in Botany recommended that the courses in general Biology in Botany for the examination of 1957 and onwards be approved.

(5) The Board of Studies in Biochemistry recommended that:

(a) the students offering Biochemistry at the M.Sc. examination be required to pass separately in Paper IV 'Biochemistry' by obtaining not less than 40% of the total marks assigned to the paper;

(b) the students who have passed Inter Science Examination with Biology be required to finish the basic courses during the first term in about 18 to 20 Lectures by devoting three hours a week;

(c) The present syllabus be given sufficient trial and the question of revising the syllabus be taken up after some experience is gained;

(d) a paper on 'Fermentation Chemistry' be prescribed as an alternative to Paper IV—Biochemistry and that the syllabus for the paper be as prepared at the meeting;

(e) as it may be difficult to arrange for practical work is envisaged by the Head of the Department for all students every year by

the University, the suggestion to add three months to the course for the purpose be not accepted but that the principle underlying the suggestion be approved and that arrangements be made as far as practicable to give practical training to students either in a laboratory, or in a hospital or in an industrial concern during the summer vacation to as many students as possible.

(6) The Board of Studies in Education recommended that :

(a) as the question of revising the B.Ed. and the M.Ed. courses is of a general nature requiring consideration *vis-a-vis* the courses in Education in all the Universities in the State of Bombay, it be referred to the joint Board of Vice-Chancellors with a request to appoint a composite Committee representing all Universities in the State to consider all the courses in Education and to recommend suitable revision therein.

If the Joint Board of Vice-Chancellors is not agreeable to taking up the question, a committee consisting of the representatives of the Bombay University, the Gujarat University and the M. S. University of Baroda be appointed for the purpose, failing which a committee consisting of the representatives of the Gujarat University and the M. S. University be formed to consider the question in all its entirety ;

(b) the Ordinance laying down procedure for submitting the dissertation be suitably amended ;

(c) the proposal to start an independent course in M.Ed. (Administration) as drafted be not accepted as it does not fit in to the general scheme of M.Ed. courses. The Board, however, recommended to appoint a Committee to consider the suitability of introducing the courses, as drafted in the framework of M.A. (Education) ;

(d) Craft be introduced as one of the options for Paper V at the B.Ed. Examination.

(7) The Board of Studies in Psychology before taking up the items on the Agenda passed a condolence resolution mourning the death of Dr. N. S. N. Shastri.

The Board recommended that :

(a) as there was no provision for allowing students to select six papers in Psychology, the proposal to allow the students offering Psychology at the M. A. examination to select Linguistics (two papers) as a Subsidiary subject be not accepted ;

(b) The revised syllabus for Paper III ' Experimental Social Psychology ' in Sociology at the M. A. examination be approved ;

(8) The Board of Studies in Commerce etc.

(a) recommended that Commercial Arithmetic be dropped from the paper on ' Book-keeping and Commercial Arithmetic ' and that the following topics be added in the syllabus prescribed for Book-keeping :

(i) Consignment Accounts

(ii) Joint Venture Accounts

(b) considered suggestions of Professor V. Y. Kolhatkar with regard to Post-graduate Diploma in Banking and recommended that :

(i) the Paper in Accountancy be replaced by a Paper in Management Accounting for Banks ;

(ii) the paper in Organization of Commerce be replaced by a paper in Indian Money Market—its Principal constituents and their relationship ;

(iii) students be required to write a report on their six months' training in Banks ;

(c) considered letter dated the 23rd November, 1955 from Dr. V. S. Rajan suggesting changes in the courses of Studies for the Diploma in Co-operation and recommended that the paper on Economics and Civics be substituted by a paper on ' Economics with special reference to Indian Rural Conditions '. A Committee was appointed to go through the entire question of giving practical training to students.

(9) and (10) Two Boards of Studies under the Faculty of Medicine *viz.* (a) Anatomy and Physiology and (b) Pharmacology and Pathology recommended that the students offering Anatomy or Physiology and Pharmacology and Pathology at the M. Sc. examination be not required to pass seperately in Paper IV ' Essay '.

(11) The Board of Studies in Technology (Textile) recommended that:

(a) the draft syllabus for the 4 year course for the degree of B. Text. (Technology) be approved;

(b) the present 3 year diploma course in Textile Chemistry be not changed to 4 years as recommended by the Committee appointed for the purpose.

(12) The Board of Studies in Engineering recommended that the subject 22 CME Engineering Economics and Works Management be re-named as 'Elements of Engineering Economics and Works Management'.

The Board of Studies in Engineering and Technology (Textile) at its joint meeting held on the 30th November, 1955 recommended that the scheme including the syllabus for the 4 year integrated course for the degree of B.E. and 5 year integrated course for the degree of B. Text. (Eng.) and B. Text. (Tech.) be introduced from June, 1957.

(13) The Board of Studies in Painting, Sculpture and Applied Arts recommended that:

(a) the details of examination scheme for Art Education and Art Criticism courses be approved.

(b) while considering the question of allowing students to change a course or a group the Board recommended that:

(i) a student studying in a Diploma course in the subject in which there is also a degree course be allowed to change over into the degree course provided he fulfilled the admission requirements for the Degree course. Such students will have to cover all the theory and practical parts of the degree course which they have not covered during their training in the Diploma course;

(ii) a Degree student who passses in practicals but fails in theory be allowed to change over to the Diploma course provided he had passed in the theory part of the Diploma course;

(iii) a student who had been admitted in the second year course in Painting, Sculpture or Applied Arts be allowed to change his group within the first 20 days of the commencement of the session if he made a written application to that effect;

(c) while considering the question of exemptions the Board recommended that exemption should be given to students in the subjects in which they have obtained the minimum grade for passing;

(d) while considering the question of allowing students to appear as ex-students the Board recommended that:

(i) the students who have failed in the theory papers be considered eligible for appearing as ex-students;

(ii) those who have failed in one or more practical subjects be required to repeat in the subjects in which they have failed, as casual students;

(e) while considering the question of allowing students to appear at Supplementary Tests the Board recommended that the students falling under the following category be allowed to appear at supplementary tests:

(i) who have failed in one theory subject and one practical subject;

(ii) who are absent during part or whole of the annual test on medical grounds, provided their results of the part of the examination in which they have appeared conform to clause (i);

(iii) who abstain from annual test and are advised by the Head of their department to appear at the supplementary test.

(14) The Board of Studies in Architecture recommended that since the present syllabus does not provide for adequate knowledge of Mathematics, the syllabus for Mathematics for B. Arch. Degree course as revised and prepared at the meeting be approved.

(15) The Board of Studies in Music, Dancing and Dramatics recommended that:

(a) the scheme of the examination B.Mus. and the M.Mus. degrees be approved;

(b) the syllabus of the (i) degree course in 'Bansari', (ii) revised courses in 'Tabla', (iii) 2 year advanced courses in 'Kathak', (iv) modified courses for Diploma in 'Dramatics' be approved.

(16) The Board of Studies in Museology recommended that the syllabus for Museology be approved.

(17) The Board of Studies in Home Science recommended that :

(a) the opening date of the Faculty be not changed to accommodate students who come from U.P. and other areas but the Dean be permitted to reserve some seats for them ;

(b) the proposal to introduce Clothing Textiles and Related Arts as a major at the B.Sc. (Home) examination be accepted. The Dean was requested to work out details as early as possible for consideration by the Board of Studies.

(18) The Board of Studies in Social Work at its meeting held on the 28th November, 1955 recommended that as there is no doctorate programme in Social Work and for other academic reasons, the question of recognition of the degree of M.S.W. (Previously known as Master in Social Technique) of the Lucknow University be postponed.

(19) The Board of Studies in Social Work at its meeting held on the 3rd February, 1956 recommended the curriculum and the reading list for the years 1956-58.

(20) The Board of Studies in Mathematics at its meeting held on the 28th November, 1955 postponed consideration of 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 at the B.A. (Special) examination in view of the proposal to change over to the three year degree course.

(21) The Board of Studies in Mathematics at its meeting held on the 16th March, 1956

(a) considered the question of suggesting modifications in the syllabus of Mathematics for the Intermediate Examination in Science, 1957 in pursuance of the Syndicate Resolution to introduce three year degree courses from June, 1957 and recommended that no modifications are deemed necessary ;

(b) considered the question of laying down syllabi in Mathematics under the three year degree courses in the Faculties of Arts, Science and Commerce and drafted syllabi in Mathematics for

the First Year of the three year degree courses in Science for the following two papers recommended for prescription :

Paper I—Calculus ;
Paper II—Geometry ;

(c) postponed drafting courses for the second and the third years pending a clarification on some points raised by the Board regarding the scheme ;

(d) considered the report of the Conference of Mathematicians held at the Karnatak University, Dharwar, from the 25th to the 27th June, 1955 and recommended that the revision of the present syllabi in Mathematics for Engineering examinations be undertaken jointly by the Boards of Studies in (i) Mathematics and (ii) Engineering ;

(e) appointed committees for revising courses in Mathematics for the M.A. and the M.Sc. examinations.

(22) The Board of Studies in Geology and Geography recommended that :

(a) the syllabi in Geology for the B.Sc. examination (Principal as well as Subsidiary) and in Geography for the B.A. and the B.Sc. Examinations for 1957 and onwards be approved ;

(b) that the preamble to the syllabus for Cultural History of India at the Preparatory examination in Arts and Commerce be amended so as to read as under :

'The subject is to be studied in outline only, ommitting dynastic and political details, but emphasising geographical setting. The purpose of the paper is to make the students acquainted with the main trends in the evolution of Indian Culture.'

The above recommendation was referred to the Board of Studies in History, Archaeology and Ancient Indian Culture for opinion at the Joint meeting of the Faculties of Arts, Science and Commerce held on the 22nd January, 1956.

(23) The Board of Studies in Economics suggested names of referees for examining the thesis entitled 'The Tourist Industry of India'—submitted by Shri K. C. Chakravarti for the degree of Doctor of Philosophy.

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 72 of the Handbook Part I, 1956

The work done by some of these bodies during the year 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. However 10 resolutions recommending investment of monthly subscriptions received from the employees were passed by them by circulation and submitted to the Syndicate.

2. Trustees of the M. S. University of Baroda Prees (Sadhana Press) Employees' Provident Fund

No meeting of the Trustees was held during the year. However 3 resolutions were passed by them during the period. By one of the resolutions they transferred the amount of provident fund of Rs. 6,555 as on the 31st August, 1955 of the office staff of the Press to the University provident fund account.

3. University Board of Sports

Five meetings of the University Board of Sports were held during the year. Shri D. K. Gaekwad, Shri J. M. Ghorpade and Shri S. G. Surve were appointed coaches for cricket, tennis and kho-kho respectively for the year. Shri A. R. Mehta was deputed for coach training in cricket at Rajkot. On the recommendations of the sub-committees appointed by the Board, it was decided to send Cricket, Men's Tennis, Women's and Men's Kho-Kho, Men's Hockey and Men's and Women's Badminton teams to participate in the Inter-University Tournaments. The Board also resolved to furnish the new Boat House built by the University on the bank of Sursagar and recommended a grant of Rs. 2,000 for the purpose. The Board considered the report of the sub-committee appointed to revise the design of the University Sports Crest and approved



Dr. S. Radhakrishnan awarding prize to a N.C.C. Cadet.

the design recommended by the sub-committee. A Sub-Committee consisting of Shri N. B. Patel, Shri B. K. Naik and Dr. A. R. Chavan helped the Board in chalking out the layout for fields and courts for various major games on the Union Pavilion ground. The Board recommended that students taking part in the Kho-Kho, Hu-tu-tu and Athletics be exempted from attending A. C. C. parades.

4. Students' Welfare Board

The Students' Welfare Board met once during the year on the 25th November, 1955. The Board considered various suggestions regarding the welfare of the students and inter alia recommended that :

(1) a few lectures be arranged for students about personal hygiene with the co-operation of the Medical Officer of the University and Medical Examination Board ;

(2) a scheme to help the students especially of the Faculty of Technology and Engineering and the Faculty of Science in procuring costly books on loan at reasonable charges be worked out ;

(3) the Dean, Faculty of Social Work be requested to help by undertaking the survey of living conditions, expenses, food habits etc. of the University students staying in private rooms and community hostels.

5. Publication Board

The Publication Board met once during the year on the 6th August, 1955 and considered 10 items. The following were the important recommendations made by the Board :

(1) Recommended an initial grant of Rs. 500 for the Journal of Animal Morphology and Physiology.

(2) Recommended the publication of the four scripts of the lectures given by Visiting Lecturers at the College of Indian Music, Dance and Dramatics *viz.* (a) *Bharat Natya* and other Dances of Tamilnad, (b) *Ekanki—Swarup Ane Sahitya*, (c) *Natya Shastra Charcha* and (d) *Gujaratman Avetan Rangbhumino Itihas*, at an estimated cost of Rs. 1,794.

(3) Recommended favourable rules for the discount for the sale of publications under Gaekwad Oriental Series to teachers, post-

graduate students and educational institutions in India and abroad. Recommended further that the rules regarding sale of publications under G. O. Series be made applicable to publications of Archaeology Series and those of sale of publications under Mala Series to publications under Lecture Series and Prachin Gurjar Granthmala Series.

(4) Recommended the programme of publishing new works and reprint of old works in the Gaekwad Oriental Series.

(5) Recommended a grant of Rs. 250 for publishing the research work on 'Primary Education Acts in India' by Dr. D. M. Desai of the Faculty of Education and Psychology.

(6) Recommended a grant of not more than Rs. 1,250 for publishing 500 copies of the thesis—Approach to Reality—by Dr. A. G. Javadekar in a book form.

6. Library Committee

Three meetings of the Library Committee were held during the year. The total grant of Rs. 20,000 sanctioned in the budget of the year 1955-56 was allocated amongst the different subjects. Vendors for the supply of books during the year 1955-56 to the University Library and the Libraries of the institutions were also recommended. The Committee recommended the policy for the provision of curricular and other reading material for the students. The Committee also recommended the adoption of the Library of Congress (U.S.A.) method of classification and cataloguing of the books in the University Library and the libraries of the institutions. A post-graduate diploma course in Library Science was recommended to be introduced from the year 1956-57. All the libraries in different Faculties and institutions were recommended to be brought under one administration from the year 1956-57. Some of the rules for the University Library were revised. The Committee recommended the allotment of the annual book grant of Rs. 20,000 for the year 1956-57 to the different subjects. Vendors for the supply of books during the year 1956-57 were recommended. The Committee recommended that the staff of various libraries in the Faculties and institutions be deputed for training in the post-graduate diploma in Library Science. Eleven such members of the staff were selected for the training. A simplified procedure for the purchase of books for the University Library and the libraries of the institutions was recommended for adoption.

7. University Building Committee and Building Planning Committee

A joint meeting of the University Building Committee and the Building Planning Committee was held on the 15th January, 1956. The following were the important recommendations made at the joint meeting:

(1) A theatre for the College of Indian Music, Dance and Dramatics be built.

(2) The plans and cubage estimates of Rs. 2,25,000 for the buildings of the N.C.C. Units be generally approved and the Government of Bombay be approached for a grant.

(3) Separate buildings for the N.C.C. Girls' Division and Engineering Platoon be built. The Government of Bombay be approached for a grant.

(4) The western wing on the first floor of the building of the Faculty of Home Science be built.

(5) The extension of the building of the College of Indian Music, Dance and Dramatics be approved.

(6) A new Table-Tennis Hall near the Union Pavilion be built.

(7) Two new Halls of Residence for students be built.

(8) Extension of the Central Hall of the Faculty of Technology and Engineering be approved.

(9) Items of repairs in different buildings of the University were recommended to be carried out in the year 1956-57.

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

The Bureau collects and furnishes information regarding the Indian and Foreign Universities and educational institutions and advises students on the question of studies in India and foreign countries. The names of the members of the Students' Advisory Bureau for Studies in India and Abroad are printed on page 58 of the Handbook Part I, 1956. Shri K. J. Majmudar, Assistant Registrar, worked as the Secretary of the Bureau.

The total number of books in the library of the Bureau at the end of the year 1954-55 was 1,748. About 150 books were added during the period. The total number of books in the library of the Bureau at present is about 1,900.

During the year the Bureau received more than 60 circulars regarding scholarships, fellowships and the like, circulars in the matter of admissions, conditions of admissions, etc. and announcements regarding the various

short-term and long-term special courses run by various Universities. The same were circulated amongst all the institutions under the University and placed on the Notice Board of the University. Besides these, the Bureau received cyclostyled literature from the Ministry of Education, Government of India, regarding courses offered in various branches of studies by the various Universities in the U.K. and the U.S.A. and other countries. Copies of the same were sent to the Faculties concerned for giving guidance to the students desiring to proceed abroad for higher studies as and when required. The Bureau supplied information regarding higher studies abroad to more than 150 persons who called at the office. The Bureau received more than 50 queries from students and others desiring to proceed abroad and suitable replies were given thereto. No meeting of the Bureau was held during the year.

9. Standing Committee on Equivalence of Examinations

The Standing Committee on the Equivalence of Examinations met twice during the year—once on the 5th August, 1955 and again on the 29th March, 1956.

The following were the important recommendations made by the Committee :

(1) 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.	Allahabad	M.Ed. for purposes of admission to a higher course.
2.	Annamalai	M.A. for purposes of registration for the Ph.D. degree of this University.
3.	Bombay	F.Y. Examinations in Arts, Science and Commerce = (Preparatory Examinations passed if the S. S. C. Examination of the Bombay State is also passed in several subjects as laid down in O. 167). Inter Arts, Inter Science, Inter Commerce, B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., F.E., S.E., B.E. (Civil, Mech. and Elec.), T.D., B.Ed., M.Ed., 1st M.B., B.S., 2nd M.B., B.S., 3rd M.B., B.S. all upto June, 1956.

S. No.	*Name of the University or Examining Body*	*Examinations recognised*
		The Committee further resolved that the recognition be further extended on the basis of reciprocity if so desired by the Bombay University.
4.	Gujarat	F.Y. Arts, F.Y. Sc. and F.Y. Com. = (Preparatory Examinations passed if the S.S.C. examination of the Bombay State is also passed in several subjects as laid down in O. 167). Inter Arts, Inter Science, Inter Commerce, B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., T.D., B.Ed., M.Ed., F.E., S.E., B.E. (Civil, Mech. and Elec.), all upto June, 1956. The Committee further resolved that the recognition be further extended on the basis of reciprocity if so desired by the Gujarat University.
5.	Delhi	Inter Commerce for purposes of admission to a higher course.
6.	Gauhati	B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc., I.Com., B.Com. (Hons.), M.Com., B.T., M.B., B.S. (provided the name of the degree is included in the first schedule of the Indian Medical Council Act.).
7.	Jammu & Kashmir	M.A., M.Sc. for purposes of registration for the Ph.D. degree of this University.
8.	Karnatak	F. Y. Arts, F.Y. Sc., and F.Y. Com.=(Preparatory examinations passed, if the S. S. C. examination of the Bombay State is also passed in several subjects as laid down in O.167) Inter Arts, Inter Science, Inter Commerce, B.A., B.Sc. (Subsidiary), B.Sc. (Principal), B.Com., M.A., M.Sc. (By papers), T.D., B.T., M.Ed., F.E., S.E. (Civil), B.E. (Civil), 1st, M.B., B.S., 2nd M.B., B.S., 3rd M.B., B.S. (provided the name of the degree is included in the first

S. No.	Name of the University or Examining Body	Examinations recognised
		schedule of the Indian Medical Council Act), all upto June, 1956. The Committee further resolved that the recognition be further extended on the basis of reciprocity if so desired by the Karnatak University.
9.	Osmania	Diploma O.L.=Shastri Examination.
10.	Nagpur	B.Com. for purposes of admission to the M.Com. courses on condition that the said examination is passed with 40% of the total marks prescribed for each subject and provided the medium of instruction is English. (The Syndicate at their meeting held on the 23rd June, 1956 directed to delete the proviso 'provided the medium of instruction is English').
11.	Patna	M.A., B.Sc., M.Sc., Dip. in Edu. (= B.Ed.), B.Com., M.Com., First M.B., B.S., Second M.B., B.S., Final M.B., B.S. (provided the name of the degree is included in the first schedule of the Indian Medical Council Act.), I. Sc. (Eng.)— Part I = F.E., B.Sc. (Eng.) Mech. & Elec. = B.E. Mech. & Elec., Certificate in Music = Diploma in Music. (The Syndicate at their meeting held on the 23rd June, 1956 directed that the question of recognising Certificate in Music = Diploma in Music be referred back to the Committee.)
12.	Sind	Matriculation = S.S.C. of the Bombay State for purposes of admission to the Preparatory courses in this University, Inter Arts, Inter Science, Inter Commerce, B.A., B.Sc., B.Com., M.A. (Previous), M.A., (Final), B.T., M.Ed. (Previous), M.Ed. (Final), First Professional M.B., B.S., Second Professional M.B., B.S.,

S. No.	Name of the University or Examining Body	Examinations recognised
		Third Professional M.B., B.S. (provided the name of the degree is included in the second schedule of the Indian Medical Council Act.)
13.	Panjab	B.A., First Year Intermediate Examination = Preparatory Examination (in Arts) of this University. M.Ed. for purposes of admission to a higher course of study in this University. M.A. (in English, Mathematics, Statistics, Economics, History, Hindi and Sanskrit), Inter Commerce, B.Com., M. Com., First Year Intermediate Examination, B.E. (3 years' course).
14.	Rajputana	Shastri & Acharya Examinations in Sanskrit, B.Ed., M.Ed., M.Com., M.B., B.S. (provided the name of the degree is included in the first schedule of the Indian Medical Council Act.), B.E. (Civil), B.Com.
15.	Indian Institute of Science, Bangalore.	Associateship Examination = M.Sc. for purposes of admission to a higher course.
16.	Bihar School Examination Board, Patna.	Secondary School Examination = S. S. C. Examination for purposes of admission to the Preparatory courses in this University.
17.	Board of Secondary Education, Orissa-Cuttak.	High School Certificate = S. S. C. Examination of the State of Bombay for purposes of admission to the Preparatory courses in this University.
18.	Government Teachers' College, Dewas.	L.T. = B.Ed. for purposes of admission to the M.Ed. degree course of this University. The Syndicate at their meeting held on the 16th August, 1955 referred back the question to the Committee.

(2) Recommended as under on the applications received from the following applicants for admission to the various courses :

S. No.	Name of the applicant	Qualifications	Courses to which considered eligible for admission
1.	Shri Suresh Vishweshwar Nadkarni	Pass B.Sc. (with Chemistry (Principal) and Physics (Subsidiary)	Be not considered eligible for admission to the Sr. B.Sc. Class with Physics as a Principal subject, because he has not studied enough Mathematics to enable him to follow B.Sc. (Physics) Course.
2.	Smt. Jain Saroj Gyan Dass	Passed B.Sc. (Home Science) Examination of the Delhi University.	Be considered eligible for admission to the M.Sc. (Home) Class of the Faculty of Home Science.
3.	Shri Shiam Sunderlal Mamchanlal	Passed B.A. Examination of Panjab University with English, Mathematics (A-Course), Physics and Hindi.	Be considered eligible for admission to the M.Sc. Class of the Faculty of Science.
4.	Kumari Ila Pandya	Did not pass Higher Secondary Examination of the Board of Higher Secondary Education, Delhi with 35% of marks in Drawing as required under O.167.	Be considered eligible for admission to the 1st year (Degree course) of the Faculty of Fine Arts as a special case.
5.	Kumari Jyotsna C. Patel	Did not pass the Overseas School Certificate Examination of the Cambridge University with History or Geography or Home Crafts and Physiology and Hygiene as required under O. 167-V.	Be considered eligible for admission to the F.Y. Class of the Faculty of Home Scicnce as a special case.

(3) Made further recommendations also as under :

(a) The B. Sc. (Home Science) examination of the Allahabad University be not recognised as equivalent to the corresponding examination of this University.

(b) The question of recognising the B.Com. Examination of the Andhra University on the basis of reciprocity be not reconsidered till the question of laying down courses in Commerce in all Universities is finalized by the Inter-University Board,

(c) The Registrar of the Jammu and Kashmir University be informed that as the M. S. W. examination of this University is not an examination corresponding to the M. A. and M. Sc. examination, the question of recognising them as equivalent to the M. S. W. degree of this University does not arise.

(d) The consideration of the question of the non-recognition of the B. Com. and the M. Com. examinations of the Allahabad University be postponed till the conference of the Heads of the Departments of Commerce of the Indian Universities takes its decision in the matter of maintaining uniformity of standards in Commerce courses in different Universities and the mutual recognition of the degrees in Commerce.

(e) The consideration of the question of the recognition of the M. S. W. Degree (previously known as Master in Social Technique) of the Lucknow University be postponed, as recommended by the Board of Studies in Social Work, as this University has not yet have a doctorate programme in Social Work which may necessitate the recognition of the M. S. W. degrees awarded by other Indian Universities.

(f) The conditions attached to the various examinations mentioned in O. 167-V in the matter of their recognition be not made applicable to students seeking admission to the Faculty of Fine Arts and the students passing the various examinations be considered eligible for admission to the F. Y. Course in Fine Arts and they be not required to satisfy any further conditions except passing in the prescribed aptitude tests.

(g) The question whether students seeking admission to the First Year course in Home Science after passing the examinations mentioned in O. 167-V be required to satisfy other conditions also as laid down under the said Ordinance or be considered eligible for admission on their passing the said examinations be referred to the Faculty of Home Science for consideration.

(h) The resolution of the Inter-University Board of India, Madras —5 that the mutual recognition of all qualifications of such Universities in Pakistan as had been members of the Inter-University Board of India prior to partition be continued; and that in the case of new Universities that have been established in Pakistan or India, the question of the recognition be taken up by the individual Universities be approved.

(i) The terms kept by a student who had passed the last qualifying examination of an Examining Body as a private candidate in a college affiliated to another University in the State of Bombay be not recognised for purposes of admission to an examination of this University and that O. 184 be suitably amended.

(j) The resolution of the University Grants Commission forwarded by the Government of India that the degrees of the Statutory Universities in India should be reciprocally recognised by them but that in the actual admission of students of one University at another University for any course of study or research, the admitting University has the discretion to assess the actual merit by such measures as it may deem proper be recorded.

(k) The Syndicate at their meeting held on the 16th August, 1955 postponed the consideration of the question of the recognition of the First Year Intermediate Examination of the Punjab University pending a reply from the Registrar, Punjab University whether the said examination of that University is conducted by the University or by the colleges affiliated to it. The Committee at its meeting held on the 5th August, 1955 postponed the question of the recognition of the examinations of M. A. in English, Mathematics, Statistics, Economics, History, Hindi and Sanskrit, Inter Commerce, B.Com., M.Com. On receiving the necessary information, the Committee at its meeting held on the 29th March, 1956 recommended to recognise the abovementioned examinations on the basis of reciprocity.

10. Boards of Visitors

The meetings of the Boards of Visitors for the following Institutions were held during the year. Their reports were submitted to the Syndicate. Some of the important recommendations made by the respective Boards are enumerated below :

(1) *For the Faculty of Arts :* The Board met on the 12th December, 1955 and recommended that (a) the number of students for tutorials for B. A. classes be about 10 to 12, (b) additional posts of Tutors in History and Economics be created, (c) tutorial work in Economics be done in co-operation with the Faculty of Commerce, (d) additional post of a Junior Lecturer in Hindi be created instead of two part-time teachers, (e) an additional post of a Photographer in the Department of Archaeology be created.

(2) *For the Faculty of Science :* The Board met on the 30th January, 1956 and recommended that (a) the University Grants Commission be approached for a suitable grant for the back numbers of Journals, (b) the amount of post-graduate scholarship be raised from Rs. 30 to Rs. 40 p. m. and that it be awarded for a period of two years, (c) University Fellowships be awarded for two years, (d) additional posts of Junior Lecturers in the Departments of Physics, Botany, Zoology and Mathematics, of Micro-analyst in the Department of Chemistry ; of Demonstrator in the Department of Physics and of a Tutor in the Department of Geography be created, (e) one Herbarium room with necessary cupboards be provided, (f) a special grant of Rs. 3,000 for equipping the research room with benches etc. of the Department of Zoology be sanctioned.

(3) *For the Faculty of Education and Psychology :* The Board met on the 5th March, 1956 and recommended that (a) the Dean, Faculty of Education and Psychology be requested to work out the details on the schemes of conversion of the University Experimental School into a Higher Secondary School (Arts) and also the starting of the counselling and guidance section attached to the Department of Psychology in the Faculty, (b) the methods of teaching of craft be introduced as a subject in the B.Ed. course provided the candidates for the subject have a basic knowledge of the craft.

(4) *For the Faculty of Commerce :* The Board met on the 20th February, 1956 and recommended that (a) seminar type classes be held especially at the post-graduate stage, (b) the question of introducing dissertation along with papers at M.Com. be considered by the Faculty, (c) fortnightly seminars each of two hours' duration in which post-graduate teachers and students should take part be arranged, (d) only full-time students be admitted in the post-graduate degree and diploma courses, (e) students joining a post-graduate course in the Faculty be not permitted to join another post-graduate course in the University.

(5) *For the Faculty of Medicine :* The Board met on the 5th December, 1955 and the 14th January, 1956 and *inter alia* recommended that (a) the Government should issue all admissions in the college by the end of June every year and the principals be authorised to fill up the remaining vacancies from amongst the applicants of local Universities in order of merit, (b) a member of the staff of the Physiology department be

deputed to work with the Police Surgeon and the Pathology Department at the Grant Medical College during vacation time and bring back some specimens for Preventive and Forensic Medicine museums, (c) grade of a Curator be raised to that of a Head clerk (Rs. 150-10-200), (d) Assistant to the Orthopaedic and E.N.T. Surgeon be appointed, (e) A Registrar for the Paediatric Unit be appointed, (f) a graduate of the Faculty of Home Science be appointed as a Home Sister and the strength of the nursing cadre staff be increased to atleast 165, (g) a qualified Physiotherapeutist, a sister and a staff Nurse be appointed in the Physiotherapy Department, (h) Card System of records for hospital indoor cases be introduced, (i) a P.B.X. telephone system with 25 extensions replacing the present four telephones be installed, (j) X'Ray grant be increased to atleast Rs. 15,000, (k) an Electro-Encephalogram be installed in the hospital, (l) a clerk and a typewriter be provided for all the college departments, (m) Government may consider incorporating the Mental Hygiene and Psychiatric Clinic as a part of other clinics and facilities which the hospital provides and sanction a substantial part of the estimated annual recurring expenditure of Rs. 37,500. The Government of India be also approached for financial help for the Clinic.

(6) *For the Faculty of Technology and Engineering* : The Board met on the 18th October, 1955 and recommended that (a) the University Grants Commission be requested to sanction an additional grant of Rs. 2.6 lakhs as the prices of the equipment have gone high, (b) additional hostel accommodation be provided and the loan of Rs. 12 lakhs payable in 33 years offered by the Government of India be accepted, (c) the recommendations of the Visiting Committee of the Western Regional Committee in the matter of the staff be accepted in its entirety and possibilities of finding funds therefor from the Government of Bombay and Central Government be explored, through the Director of Technical Education in the Bombay State, (d) the additional apparatus for different departments as detailed be purchased.

(7) *For the Faculty of Fine Arts* : The Board met on the 10th February, 1956 and recommended that (a) additional post of a Junior Lecturer in Photography and a Mistry in Fresco work be created, (b) the India Traditional Art be given a place in the teaching of Sculpture.

(8) *For the Faculty of Home Science* : The Board met on the 12th August, 1955 and recommended that (a) Clothing and Textiles be offered

as a Major in B.Sc. (Home) from the year 1956-57, (b) an amount of Rs. 63,000 be sanctioned for the equipment for Foods and Nutrition and Clothing and Textiles and other Departments of the Faculty, (c) an amount of Rs. 5,000 be sanctioned for Library books, (d) students of the Faculty be allowed facilities for experiment in the Bio-chemistry Department of the Faculty of Science, (e) the building be expanded by having rooms on the first floor of the north end of the Chetan Balwadi.

(9) *For the Faculty of Social Work* : The Board met on the 21st February, 1956 and recommended that (a) a new building for the Faculty be built and that the University Grants Commission be approached for a grant therefor, (b) the scheme for courses in the Tribal Welfare be approved.

(10) *For the Oriental Institute* : The Board met on the 19th December, 1955 and recommended that (a) the manuscripts prepared for publication should be got printed immediately without delay at the University press and some other presses, (b) the annual publication grant be raised to Rs. 25,000, (c) University Grants Commission be requested to sanction suitable grant for publishing some MSS and purchasing some rare manuscripts, (d) one member of the staff be deputed to the National Archieves, New Delhi, for training in preservation and arrangements of manuscripts.

(11) *For the College of Indian Music, Dance and Dramatics* : The Board met on the 9th February, 1956 and recommended that (a) the Principal be requested to examine and recommend the number of posts of Tutors, Ustads etc. which are necessary in the College for proper working of the classes giving full details of financial implications, (b) three microphones (high sensivity) specially designed for Drama production and outstation demonstration which can also serve as mobile unit be purchased, (c) six violins, one rostrum, one sitar, one chela and other equipment be purchased, (d) the four scripts of the lectures given in the College be published to serve as text-books, (e) the Diploma courses in Bharat Natyam be introduced, (f) a sound proof room be built.

(12) *For the Intermediate College* : The Board met on the 12th December, 1955 and recommended that the Tutors who are working and teaching in Preparatory courses in Arts and Commerce be brought under the administrative control of the Principal. These Tutors for academic purposes would continue to belong to the respective departments as at present.

11. Board of Extra Mural Studies

The Board of Extra Mural Studies met once during the year on the 12th September, 1955. The Board considered the report of the sub-committee appointed to clarify the scope of items included in the functions of the Board and recommended that the functions of the Board as modified be approved. It also approved the various programmes of extra mural activities received from the Faculties and the Institutions for lectures, excursions, tours, visits, exhibition of educational films and recommended sanction of Rs. 5,000 to the different Faculties and the Institutions for these activities.

12. Wardens' Committee.

The Committee met twice during the year on the 8th August, 1955 and the 30th May, 1956. The Committee recommended allocation of accommodation available in the halls of residence to the students of the different Faculties.

13. Supervisory Council for Halls of Residence

The Council met once during the year on the 25th November, 1955 and recommended that (1) the Convener, Wardens' Committee be requested to collect all available information regarding the fees charged by different hostels, amenities provided in the University Halls, income and expenditure of the halls, (2) the members of the Council be requested to visit the hostels not maintained by the University and report to the Council about the living conditions, food etc. provided in them.

14. Finance and Establishment Standing Committee.

The Committee held ten meetings during the year and considered several items concerning the requests for additional establishment, sanction of grants, purchase of equipments, approval of plans, estimates and tenders for construction works, repairs, etc., contracts for supply of sundry articles, apparatus, instruments and laboratory requirements. The recommendations of the Committee were placed before the Syndicate on the same day.

The Committee met as a Budget Committee on the 18th March, 1956. It submitted to the Syndicate revised budget estimates for the year 1955-56 and the estimates for the year 1956-57 both for revenue and capital accounts—after scrutinising the various proposals received from the Faculties, Institutions and Offices of the University and after discussing the same with the Dean or the Head concerned.

15 Investment Committee

The Committee held eight meetings during the year and submitted its recommendations concerning the investment of University funds on the same day to the Syndicate.

16 Selection Committees

During the year 84 meetings of the Selection Committees for junior posts were held. They recommended 166 candidates for appointments to various posts. 10 meetings of the Selection Committees appointed under section 48 (2) of the Act were also held during the year. They recommended 14 candidates for appointment to the posts of Readers and/or Professors.

17 Shri Sayaji Sahityamala Publications Committee

The Committee met once during the year on the 29th June, 1955. It recommended the following for publication :

(1) Under Shri Sayaji Sahityamala :

मीरांबाई—एक मनन	by Dr. M. R. Majmudar
विज्ञान विनोद	by Shri P. G. Shah
आ मारो कैलास	by Swami Pranavatirthaji

(2) Under Shri Sayaji Gramvikas Mala

कृष्णपरीनी कायापलट	by Shri K. M. Vyas
घउं	by Shri M. S. Pandya.

The Committee also recommended a programme of publications under various series of publications.

The Committee also adopted a resolution by circulation, rcommending the following publication under Shri Sayaji Gramvikas Mala :

खेतीनां सामान्य ओजारो by Shri N. C. Shah.

18. Press Supervisory Committee

The Committee held seven meetings during the year. It recommended the payment of three months' basic wages to workers and the sanction of increments to the workers. The schedule of rates for printing was prepared and recommended for approval. The plan of the new building of the Press was recommended for approval. The Committee recommended the expansion of the Press, by purchasing a 'Monotype' machine and training of the staff for the same. The Committee also fixed the salaries of the present workers employed in binding, printing and

composing as per the minimum wages fixed by the Government of Bombay. Besides, the Committee considered various items concerning creation of additional posts, purchase of stationery, papers for printing, types etc.

19. N.C.C. Senior Division Advisory Committee

The Committee met twice during the year on the 22nd August, 1955 and the 6th March, 1956. The Committee recommended that (1) the resignation of Lt. K. A. Amin from the N.C.C. be accepted as he was leaving the University, (2) a grant of Rs. 3,200 for purchasing 8 trophies at Rs. 400 per trophy be sanctioned for the 6th Bombay Bn. N.C.C., (3) the N.C.C. and A.C.C. cadets be required to put in 80% attendance in each term separately for being eligible for admission to the College and University examinations, (4) the form of application for admission to the Faculty of Technology and Engineering be suitably revised to make provision for mentioning the period of service in the N.C.C. and the production of the certificate from the Captain Commandant and that the credit given to the applicant for admission to the Faculty be on the basis of two years' service in the N.C.C. and that Rule No. 6 for admission to the Faculty be suitably amended, (5) Government be approached to expedite sanction for raising one Engineering Platoon, one Medical Platoon, one additional infantry, company for the 6th Bombay Bn. and one additional sub-troop to the 5th Bombay Girls Troops, (6) an amount of Rs. 450 be sanctioned for Flag base and pole, sentry box and effecting improvement on ammunition stores and recks fixing, (7) a prize of Rs. 50 per term be given to the best cadet selected from each batallion provided that only one ceremonial N. C. C. parade during the University Week be organised when parades, marchpast etc. be held.

20. Sanskrit Mahavidyalaya Committee

The Committee met once during the year on the 29th November, 1955. It recommended the draft rules for the grant of leave to stipend holders of the Mahavidyalaya for approval.

21. Sheth U. P. Ayurvedic Research Unit Committee

The Committee met once during the year on the 15th January, 1956 and considered the report of the meeting of the Research sub-committee held on the 14th January, 1956.

It recommended that (1) for the purpose of analytical comparison Bhasmas from the Podar Ayurvedic College Laboratory may be taken, (2) publication of the notes prepared by Literary Survey be undertaken in Gujarati, Hindi and Marathi with necessary editing in *Bhishag Bharati*, *Sachitra Ayurveda* and *Ayurvidya* respectively, (3) proposal regarding clinical research on *Sandhivat* be undertaken, (4) work on *prakriti* research be continued and various suggestions be implemented.

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

No meeting of the Committee was held during the year.

However rules for giving permission to publishers to print some portions from the works of the late Professor B. K. Thakore were framed and approved by the Syndicate. Accordingly permission to print some portions from the works of the late Professor B. K. Thakore was given to several publishers on request.

During the year the following work was reprinted.

आपणी कविता समृद्धि by the late Professor B. K. Thakore.

23. Deans' Committee

Four meetings of the Deans of Faculties and the Heads of Institutions were held during the year. The main recommendations were as under :

(1) the recommendations made by the committee appointed to consider the suggestions made in the report submitted by Professor S. N. Mukerji about the maintenance of Students' Record Cards be implemented;

(2) the Secretary, University Grants Commission be informed that the University is in general agreement with the Note of the Commission regarding the question of improving the system of examinations in Indian Universities and that (a) necessary steps are being taken by the University to have one paper of 3 hours' duration per day in many of the University examinations and (b) the University would like to consider the question of increasing the percentage already fixed for class and tutorial work gradually in the light of the experience gained ;

(3) the arrangements for preparing a batch of students in each Faculty and Institution for the singing of the University Song and the National Anthem be made in consultation with the Principal, College of Indian Music, Dance and Dramatics ;

(4) the students of the University desiring to join Diploma classes in the College of Indian Music, Dance and Dramatics which are held in

the evenings be exempted from obtaining previous permission of the Heads of their institutions ;

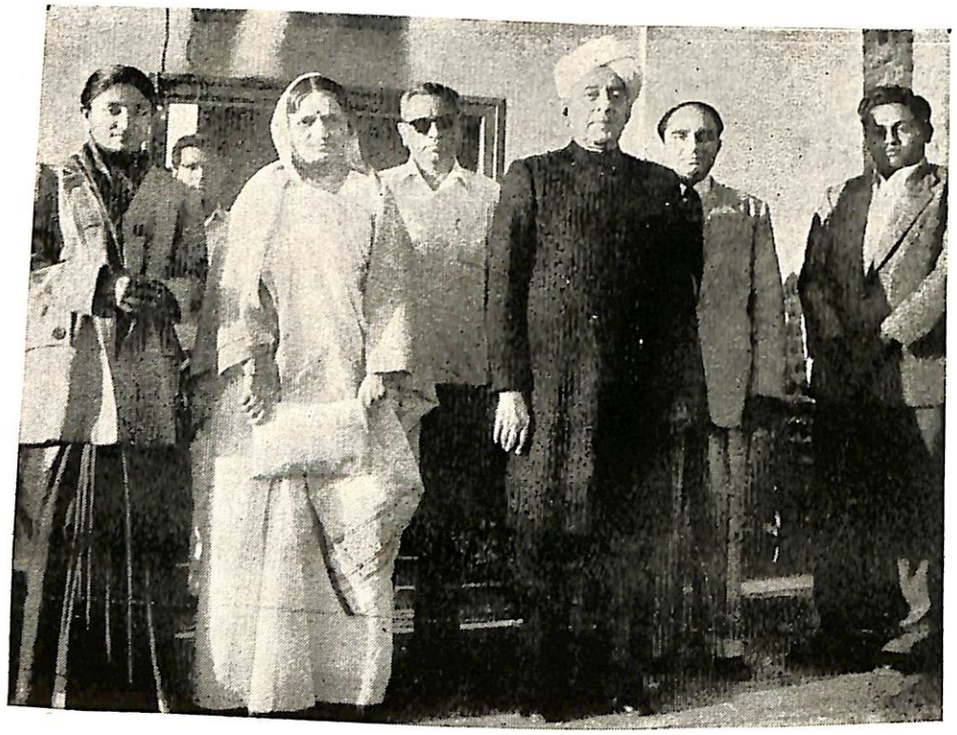
(5) the Government of India be requested to curtail the period of the youth camps from 21 days to 15 days in view of the difficulty of finding suitable time of 3 weeks at a stretch for holding such camps ;

(6) the scheme for promoting discipline amongst the students be submitted to the University Grants Commission as requested ;

(7) uniform rules regarding travelling charges to be paid to students of the University going on educational tours be laid down ;

(8) a new form for the examiners report be adopted for the University examinations to be conducted from the second half of the year 1956 onward ;

(9) identity cards be collected from the students when they leave the University and that their deposit of caution money be not refunded to them till the identity cards are returned.



Dr. C. P. Ramaswami Aiyar, Vice-Chancellor of Banaras Hindu University, at the Union Pavilion when he came to Tea with the Executive Committee of the University Union.

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 fourth year of its publication. Shri C. M. Shukla continued to be its Editor. The following members continued to be on the Advisory Board of the Journal:

Professor 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 Post-graduate and Research work was done in almost all the Faculties and the 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	Choudhary Sooryakant Narsinh	13-7-1954	Dr. B. Subbarao	Archaeology	Archaeological Survey of North Gujarat
2	Rana Jaysinh Mohansinh	13-7-1954	Professor V. Y. Kolhatkar	Economics	Some aspects of the Rural Economy of Anand Taluka
3	Oza Praful-lachandra	13-7-1954	Shri H. C. Malkani	Economics	Century of Indian Railways (1853-1953)
4	Thaker Naran-das Pragji	17-12-1954	Dr. K. S. Venkata-raman	Economics	Some aspects of the agrarian problem in Saurashtra
5	Gadgil Pandu-rang Laxman	23-2-1955	Professor V. Y. Kolhatkar	Economics	Income-tax in India
6	Sheth Suresh Thakorlal	4-7-1955	Dr. K. S. Venkata-raman	Economics	Role of Cottage Industries in India with special reference to Gujarat

1	2	3	4	5	6
7	Tarkas Anupam Devdatta	2-8-1955	Dr. K. S. Venkata-raman	Economics	A Survey of the Development of the Financial Institution in India with special reference to Insurance Companies, their working and the practicability of their nationalization
8	Mehta Purushottam Pragji	29-7-1954	Shri C. M. Shukla	English	Trends in Indo-Anglian Fiction
9	Pathak Chandrakant Jayantilal	24-11-1954	Shri C. M. Shukla	English	The early poetry of Shri Arbindo
10	Parekh Somabhai Dhulabhai	26-4-1956	Professor B. J. Sandesara	Gujarati	A critical edition of Panchdandani Varta in old Gujarati Prose (before 1682 A. D.) with a comparative study of literary works on the same theme in Sanskrit and Gujarati
11	Joshi Vasant Govind	2-6-1955	Shri G. B. Pandya	History	Baroda Administration under Raja Sir T. Madhavrao
12	Kaul Iqbalnarain Surajnarain	30-12-1955	Shri G. B. Pandya	History	Bhopal during the mutiny
13	Ayachit Prabhakar Kashinath	15-12-1955	Dr. V. P. Dandekar	Marathi	Some aspects of the social life of Maharashtra as reflected in the marathi social dramas of the 19th century
14	Parikh Ratilal Dahyabhai	25-6-1954	Dr. A. G. Javdekar	Philosophy	Sociology of knowledge (an evaluation)
15	Patel Shantilal Maganlal	1-9-1955	Shri D. M. Patel	Philosophy	Philosophy of Shrimad Rajchandra
16	Vora Abdulsattar Haji Ibrahimbhai	23-9-1955	Shri D. M. Patel	Philosophy	The Social Philosophy of Islam
17	Patel Dinubhai Muljibhai	3-10-1955	Shri D. M. Patel	Philosophy	The dynamic Philosophy of Shri Aurobindo

1	2	3	4	5	6
18	Patel Ambalal Shivlal	13-8-1954	Dr. I. P. Desai	Sociology	Social background of the High School students in Kaira-district
19	(Smt.) Thakore Kusum Vaikunthrai	22-9-1954	Professor M. N. Srinivas	Sociology	Sociological study of Patidar Women
20	(Smt.) Desai Neera Akshaykumar	10-2-1955	Dr. I. P. Desai	Sociology	Nineteenth Century Gujarati Society from literary sources
21	Shah Arvindbhai Manilal	1-7-1955	Professor M. N. Srinivas	Sociology	Social structure and change in a Gujarati Village
22	Shah Buddhishchandra Vadilal	7-7-1955	Dr. I. P. Desai	Sociology	Social background of Baroda University students
23	Bamabas Alfred Prabhakar	12-12-1955	Dr. I. P. Desai	Sociology	Aspects of Rural Leadership with reference to extension work
24	Joshi Vishnushankar Hargovind	4-2-1956	Professor M. N. Srinivas	Sociology	An inquiry into the Social Consequences of Industrialisation and Urbanisation in the rural areas of Southern Gujarat with special reference to tensions between groups and classes
25	Sheth Narayan Ranchhodlal	29-6-1956	Professor M. N. Srinivas	Sociology	The social background of some industrial workers in Baroda City
26	Shukla Deviprasad Narbheram	18-8-1955	Dr. M. L. Pai	Bio-chemistry	Study of some biochemical aspects of the phenotic Compounds in pulses etc. and their relation to sterility
27	Deshpande Vasant Gangadhar	16-2-1956	Dr. M. L. Pai	Bio-chemistry	Nutritional aspects of food
28	Shah Pramodkumar Premanand	8-3-1956	Dr. M. L. Pai	Bio-chemistry	Study of some aspects of Protein metabolism and amino acids in body

1	2	3	4	5	6
29	T. N. Sekharavarma T. Chitran Nambudisi	21-6-1956	Dr. C. V. Ramakrishnan	Bio-chemistry	Studies on the Biosynthesis of citric acid in Citrus Fruits
30	Joshi Bhalchandra Balkrishna	27-7-1955	Dr. V. G. Phatak	Botany	Flora of Baroda (10 miles round the University campus)
31	Lele Sadashiv Shamrao	9-7-1954	Professor S. M. Sethna	Chemistry	Studies in Anthracene Derivatives
32	(Kumari) Parkhi Sindhu Raghunath	23-7-1954	Professor S. M. Sethna	Chemistry	Studies in Kostaneeki Robinson reaction
33	Desai Narendra Jayantilal	25-7-1955	Professor S. M. Sethna	Chemistry —Organic	Studies in Xanthones
34	Kaul Iqbal Krishen	16-7-1955	Professor D. V. Gogate	Physics	Analysis of some Transistor Circuits
35	Patil Hari Narayan	5-8-1955	Professor D. V. Gogate	Physics	Some theoretical and experimental studies in thermal convection
36	Trivedi Ganpatishanker Kashiram	22-12-1955	Dr. N. S. Pandya	Physics	Study of the growth of ionic Crystals
37	Dubale Mahadeo Shivram	27-11-1954	Dr. J. C. George	Zoology	Certain aspects of ear breathing in fishes
38	Patel Bhupendrakumar Sharadchandra	2-7-1955	Dr. J. C. George	Zoology	Studies in the physiology of aestivation
39	(Kumari) Jyoti Dolly Manilal	17-9-1955	Dr. J. C. George	Zoology	A study on the structure and metabolism of the Bird and Bat fiight muscle
40	Naik Rameshchandra Maganlal	5-1-1956	Dr. J. C. George	Zoology	Studies in morphologico-physiological evolution of animals
41	Bhatt Gaurishanker Prabhashanker	4-8-1955	Professor T. K. N. Menon	Education	An experimental study of the Achievements in Basic Education in the State of Saurashtra
42	(Kumari) Mehta Shirin Hiralal	29-7-1955	Professor S. N. Mukerji	Educational Administration	A Critical inquiry into finances of some selected High Schools in Bombay State
43	(Smt.) Rao Indira Venkatasubbiah	18-7-1955	Professor T. K. N. Menon	Psychology	Normal mental Development of Adolescents

1	2	3	4	5	6
44	Amin Devendranath Laxmidas	20-7-1955	Professor T. K. N. Menon and Shri L. J. Bhatt	Psychology	Supervision in Industry
45	Teredesai Jagannath Rajaram	17-4-1956	Professor V. Y. Kolhatkar	Commerce	Development Finance in Post-War Years
46	Warty Shridhar Shantaram	10-8-1955	Professor R. L. Desai	Chemistry (Textile Chemistry)	Studies in the application of Azoic Colours
47	Parikh Narendralal Krishnalal	22-9-1955	Professor R. L. Desai	Chemistry (Textile Chemistry)	Studies in Naphthol Dyes

M. Ed. (By research)

48	Amin Shreekant Maganbhai	2-7-1954	Dr. M. S. Patel	Education	A study of problems relating to the welfare of primary teachers
49	Jhala Gajendra Dhanvantray	16-7-1954	Shri N. N. Shukla	Education	Finding out norm reliability and validity of a mechanical aptitude test
50	Modi Jagmohandas Jagjivandas	17-7-1954	Professor T. K. N. Menon	Education	General Education programme for the under-graduate (excluding intermediate) students of the M. S. University of Baroda
51	Maniar Shantilal Jivandas	20-7-1954	Shri S. C. Parikh	Education	Generalisation abilities of Gujarati Children in the subjects of Mathematics
52	Patel Manubhai Shankerbhai	20-9-1954	Professor S. N. Mukerji	Education	An investigation into the Education of aboriginals and hill tribes of Gujarat
53	Patel Jasubhai Jivanlal	6-2-1955	Professor T. K. N. Menon	Education	A critical study of the use of audiovisual aids in Secondary Schools in India with particular reference to a selected area in Gujarat

1	2	3	4	5	6
54	Arekar Raghunath Mahadeo	9-7-1955	Professor R. V. Parulekar	Education	The Educational problem of the aboriginals and hill tribes in Thana District
55	Shah Dhananjaya Ramanlal	13-7-1955	Dr. M. S. Patel	Education	Supplementary reading material in Gujarati for primary school children (Std. I to VII)
56	Doshi Vasantlal Harilal	6-9-1955	Shri N. N. Shukla	Education	Achievement tests in Geometry
57	Savani Jadavji Pragji	21-9-1955	Professor S. N. Mukerji	Education	Matter and method for the Education of citizenship
58	Oza Ajitaram Pritamram	1-11-1955	Shri N. N. Shukla	Education	Construction and Standardisation of achievement tests in Algebra for Gujarati speaking children
59	Rajyagor Shivprasad Bhaishanker	21-11-1955	Professor S. N. Mukerji	Education	Education in Gujarat from 1854-1954
60	Kumari Kasad Piroja Jamshedji	21-2-1956	Shri S. C. Parikh	Education	Achievement tests in Geography

M Ed. (By papers and dissertation)

61	Kumari Kotwal Shirin Dinshawji	29-9-1954	Professor S. N. Mukerji	Education	The teaching of Hindi to Gujarati students of Std. V to VII
62	Kumari Parikh Pushpa Manilal	29-9-1954	Dr. M. S. Patel	Education	The methods of teaching Gujarati to the students of Std. VIII to XI
63	Gosai Pannagir Motigir	29-9-1955	Professor S. N. Mukerji	Education	The role of the Central Government in Indian Education today
64	Vyas Indulal Ratilal	29-9-1954	Shri L. J. Bhatt	Education	Cumulative records for Indian Secondary Schools
65	Kumari 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

1	2	3	4	5	6
66	Patel Ranchhodbhai Nagarji	29-9-1954	Professor S. N. Mukerji	Education	The administration of Education under Central Government during the British rule
67	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
68	Sevak Vishnuprasad Dalsukhram	29-9-1954	Dr. (Smt.) P. Phatak	Education	A comprehensive programme of Social Education for adult illiterates of Baroda City
69	Desai Kantilal Ambaidas	29-9-1954	Professor T. K. N. Menon	Education	Item analysis of progressive matrices
70	Vaishnav Maheshchandra Dinkarray	29-9-1954	Shri T. P. Lele	Education	Standardisation of group test of intelligence (Gujarati age-group 9 to 15)
71	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
72	Patel Desaibhai Hirabhai	29-9-1954	Professor T.K.N. Menon	Education	Organisation and administration of extension work in teachers' colleges in India
73	Padhya Labhshankar Mafatlal	29-9-1954	Professor S. N. Mukerji	Education	A study of the duties and responsibilities of the District Educational Inspector in the Bombay State today
74	Shah Navnitlal Chandulal	29-9-1954	Shri S. C. Parikh	Education	Factor analysis of progressive matrices
75	Amin Navnitlal Purushottamdas	29-9-1954	Shri T. P. Lele	Education	Standardisation of a group test in intelligence (Gujarati age-group 9 to 15)

1	2	3	4	5	6
76	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
77	Buch Madhusudan Bhagvanlal	30-9-1955	Professor T.K.N. Menon	Education	Achievement test in General Science for Standard VIII
78	Dongre Prabhakar Keshavrao	1-10-1955	Shri T. P. Lele	Education	Achievement test in English for Standard VIII
79	Baxi Shantilal Ochchavlal	1-10-1955	Dr. M. S. Patel	Education	An experiment in correlated teaching of Social Studies in Standard VIII
80	Patel Durlabhbhai Devabhai	1-10-1955	Shri D. G. Apte	Education	An experiment in Social Education in a rural area
81	Valera Chhotalal Vasram	1-10-1955	Shri N. N. Shukla	Education	Achievement test in Geometry for Standard VIII
82	Dave Bachubhai Mangaldas	1-10-1955	Shri T. P. Lele	Education	Achievement test in Algebra for Standard VIII
83	Lulla Basantkumar Parasram	1-10-1955	Shri T. P. Lele	Education	Achievement test in Hindi for Class VIII
84	Patel Ambalal Govindbhai	1-10-1955	Shri L. J. Bhatt	Education	Achievement test in Gujarati for Standard VIII
85	Patel Raojibhai Dahyabhai	1-10-1955	Shri S. C. Parikh	Education	Achievement test in Geography for Standard VIII
86	Tambe Narendra Govind	1-10-1955	Shri T. P. Lele	Education	Achievement test in History for Standard VIII
87	Desai Gulabbhai Vasanji	1-10-1955	Dr. (Smt.) P. Phatak	Education	Achievement test in Arithmetic for Standard VIII
88	Shah Hasmukhlal Mohanlal	1-10-1955	Professor S. N. Mukerji	Education	Office records of an Educational Inspector
89	Desai Ghelabhai Jinabhai	1-10-1955	Shri D. G. Apte	Education	A Comparison of Social Education in Bombay State and Uttar Pradesh

1	2	3	4	5	6
90	Soni Thakorlal Ranchhodbhai	17-11-1955	Professor S. N. Mukerji	Education	Office records of an Administrative Officer
91	Desai Natverlal Chunilal	28-11-1955	Dr. M. S. Patel	Education	Office records of a High School in Bombay State

Diploma in Museology (By papers and dissertation)

92	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)
93	(Kumari) Vora Ila Chhotalal	20-7-1954	Shri V. L. Devkar	Museology	Collection and display of vitamins, stimulants, pickles and spices of Baroda
94	Shah Rajnikant Punjalal	22-7-1954	Shri V. L. Devkar	Museology	Chemical cleaning analysis and display of some old bronzes and coins
95	Patel Ramesh Jashbhai	22-7-1954	Shri V. L. Devkar	Museology	Snakes, their collection, preservation and display
96	Mehta Subhashchandra Harshadrai	22-7-1954	Shri V. L. Devkar	Museology	Need of the Museum in J. M. J. High School, Baroda
97	Kothari Ranjoo Ramchandra	22-7-1954	Shri V. L. Devkar	Museology	Children's Museum
98	(Kumari) Parikh Pushpa Manilal	30-7-1954	Shri V. L. Devkar	Museology	Village Museum
99	Joshi Bhalchandra Balkrishna	30-7-1954	Shri V. L. Devkar	Museology	Collection, preservation and display of ornamental plants
100	Bedekar Vasant Hari	1-8-1955	Shri V. L. Devkar	Museology	Technique of habitat group cases and diorama
101	Shah Champaklal Punjalal	1-8-1955	Shri V. L. Devkar	Museology	Display of Geological Specimens in a Museum
102	Sabnis Sharad Dwarkanath	2-8-1955	Shri V. L. Devkar	Museology	Explaining fruit and seeds dispersal of plants in the Museum

1	2	3	4	5	6
103	Parimoo Ratan Amarnath	5-8-1955	Shri V. L. Devkar	Museology	Possible developments in the Srinagar Museum
104	Patil Laxmikant Hari	5-8-1955	Shri V. L. Devkar	Museology	The agricultural Museums for the Bombay State
105	(Kumari) Pathak Mrunalini Ishwarprasad	5-8-1955	Shri V. L. Devkar	Museology	Methods of display in a Home Science Museum
106	Parikh Ratilal Trikamlal	5-8-1955	Shri V. L. Devkar	Museology	Popularising Archaeology through Museum
107	Pandya Harshadrai Bhavanishanker	12-8-1955	Shri V. L. Devkar	Museology	The need of a school museum
108	(Kumtri) Mehta Nila Ashwin	22-8-1955	Shri V. L. Devkar	Museology	A study of some beautiful birds in the Museum

M.Sc. (Home) (By papers and dissertation)

1	2	3	4	5	6
109	(Kumari) Karnik Pushpalata Shridharrao	6-7-1954	Dr. (Smt.) R. P. Devadas, Dr. (Miss) F. P. Kittrell, Shri U. R. Gore	Foods and Nutrition	The nutrition status of selected group of nursery school children, Faculty of Home Science, University of Baroda
110	(Kumari) Kripadanam Premila Agnes Vilma	14-7-1954	Dr. (Smt.) R. P. Devadas, Dr. (Miss) F. P. Kittrell, Shri U. R. Gore	Foods and Nutrition	A study and analysis of food consumption of hostel men and women in Baroda University
111	(Kumari) Parikh Sula Maganbhai	5-7-1955	Kumari Justina A. Singh, Dr. (Miss) M. F. Reed, Shri U. R. Gore	Foods and Nutrition	Study of diets in Gujarat

1	2	3	4	5	6
112	Patel (Smt.) Uma Devendra	8-7-1955	Kumari Justina A. Singh, Dr (Miss) M. F. Reed, Shri U. R. Gore	Foods and Nutrition	A study of food and food services in the medical schools and hospitals in Bombay State
113	(Kumari) Deodhar Chandraprabha Shankar	9-7-1955	Kumari Justina A. Singh, Dr. (Miss) M. F. Reed, Shri U. R. Gore	Foods and Nutrition	Basal metabolism rate of Indian women
114	(Kumari) Trivedi Aruna Harbhai	23-6-1955	Dr. (Miss) M. F. Reed, Kumari A. J. Mehta	Child Development	Organising of Village Nursery School
115	(Kumari) David Sybil Jacob	9-7-1955	Dr. (Miss) M. F. Reed, Kumari A. J. Mehta	Child Development	Study of Children's Art
116	(Kumari) Jain Saroj Gyandas	7-9-1955	Kumari Justina A. Singh, Shri U. R. Gore	Foods and Nutrition	Discovery of Vitamins and their importance in diet

M. S. W. (By papers and dissertation)

1	2	3	4	5	6
117	Naik Suresh Shrikrishna	12-7-1954	Shrimati P. Bhatt	Social Work	The attitude of long-term prisoners towards jail life
118	Macwan John Vasantrai D.	13-7-1954	Shri W. P. Singh	Social Work	A study of workers in Manganese Mines at Shivrajpur
119	(Kumari) Patel Harshada Tribhovandas	13-7-1954	Professor (Kumari) P. Vakharia	Social Work	Attitude of the inmates of an Orphanage towards the institution
120	(Kumari) Sarvate Kalindi Vinayak	13-7-1954	Miss O. Swoboda	Social Work	Case studies of families of children suffering from T. B.
121	Sharma Mahendra H.	13-7-1954	Shri S. N. Ranade	Social Work	Working and welfare conditions in the Gun-carriage factory in Jabalpore

1	2	3	4	5	6
122	(Kumari) 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 civll lines of Indore towards Family Planning
123	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
124	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
125	(Kumari) 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
126	Tahiliani Viru Hariram	15-7-1954	Shri S. N. Ranade	Social Work	A study of industrial disputes in Baroda
127	Patel Natubhai Trikamlal	16-7-1954	Shri S. N. Ranade	Social Work	Co-operative societies among industrial workers in Ahmedabad
128	Ghulati Chandar Parkash	17-7-1954	Kumari S. V. Phadke	Social Work	A comparative study of co-operative societies and the attitude of people towards them
129	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
130	Sun Khar Robert	23-8-1954	Kumari I. D. Malani	Social Work	Burma Rehabilitation Scheme and working of Rehabilitation Bridge
131	(Kumari) 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

1	2	3	4	5	6
132	(Smt.) Contractor Sheroo Rustomji	15-7-1955	Miss O. Swoboda	Social Work	Case study of children behaviour problems in various nursery schools in Baroda
133	Majmudar Harshad Natvarlal	15-7-1955	Kumari I. D. Malani	Social Work	Caste mandals and welfare activities in the city of Baroda
134	Motwani Hemraj Nihalchand	15-7-1955	Kumari I. D. Malani	Social Work	A study of welfare activities conducted by Baroda Borough Municipality
135	(Kumari) Naik Ila Manubhai	15-7-1955	Kumari A. K. Menon	Social Work	A case study of patients in Shri Sayaji General Hospital and Shri Jamnabai Hospital in order to elaborate their attitude towards prenatal and post-natal care
136	Vyas Arjunkumar Chandulal	15-7-1955	Shri B. R. Deolalikar	Social Work	A study of Panchayat of the village Dabhara—District Kaira
137	Rokadiya Bankelal Champalal	19-7-1955	Shri R. S. Rathee	Social Work	Working of Social Education programmes in N. E.S. Block, Sagwara, Rajasthan
138	Agnihotri Inderdutta Durgadutta	20-7-1955	Shri R. S. Rathee	Social Work	A socio-economic survey of Garwali servants serving in Government centres, New Delhi
139	Bhatia Sirikrishan Ramchand	20-7-1955	Kumari S. V. Phadke	Social Work	A study of participation and achievements of the village Bhaini Khurd in Milokhesi Community Project area
140	Kunjuraman Ayyappan Kutty	20-7-1955	Shri S. N. Ranade	Social Work	A study of cause and effect of women labour in two Cashew Factories of Quilon
141	Mudaliar Narayanswami Govindraj	22-7-1955	Smt. P. Bhatt	Social Work	Study of welfare services of the B. E. S. & T. Undertaking, Bombay

1	2	3	4	5	6
142	Aggarwal Davendarkumar Wazirsingh	28-7-1955	Smt. P. Bhatt	Social Work	The living conditions of the workers of S. R. Ramprasad Mills, Akola
143	Gupta Premkumar Ramsarandas	28-7-1955	Shri R. S. Rathee	Social Work	Delhi Poor House and its 50 inmates
144	Jani Bhaskar Pramodray	28-7-1955	Shri S. N. Ranade	Social Work	A study of incidence of accidents and working conditions of workers in Ahmedabad Electricity Co. Ltd., Ahmedabad
145	Ramdev Siriram Kundanlall	28-7-1955	Kumari S. V. Phadke	Social Work	A study of Panchayat in Mathura District
146	Supekar Vinayak Chintaman	2-8-1955	Shri G. G. Dadlani	Social Work	The case study of Fifty-Institutionalized beggars at the Beggars' Home, Worli, Bombay-18
147	Shahane Balkrishna Govind	3-8-1955	Smt. P. Bhatt	Social Work	Case study of children at Remand Home, Belgaum
148	Gurg Vishwambharnath Pyarelal	5-8-1955	Shri S. N. Ranade	Social Work	Study of welfare facilities at Railway Workshops, Ajmer
149	Maung Sein Myint	1-9-1955	Kumari S. V. Phadke	Social Work	A Study of the Tiger Orphans' Vocational School, with special reference to the attitudes of the Boys towards the institutional programme
150	(Kumari) Ma Hla Kyi	1-9-1955	Smt. P. Bhatt	Social Work	A case study of 30 children from J. T. Luce Home, Rangoon with special reference to their socio-economic background
151	(Kumari) Ma Than Myint	1-9-1955	Professor (Kumari) P. Vakharia	Social Work	A study of 15 destitute and delinquent girls in Girls' Home, Rangoon with special emphasis on etiological factors leading from destitution to delinquency.

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

Name of the Department and the Teacher	*Subject*
Faculty of Arts	
(1) Archaeology :	
(a) Dr. B. Subbarao	Archaeological Surveys in South Gujarat, North Gujarat and in Halar District.
(b) Shri R. N. Mehta	Archaeology of the Baroda, Broach and Surat Districts.
(2) Economics :	
Shri H. C. Malkani	1. Socio-Economic Survey of Baroda City 2. Survey of industrial conditions in Baroda City
(3) History :	
(a) Shri G. B. Pandya	Scheme for editing Baroda Residency Records
(b) Dr. S. C. Misra	A Scheme for the preparation of History of Gujarat under the Muslims
(4) Political Science :	
Shri S. T. Kothari	Political Research scheme ; surveying the voting behaviour of village Panchayat constituent at Vagra (Broach District)
(5) Sanskrit :	
Dr. S. S. Bhawe	A fresh translation of the Rigveda with special reference to Mandala IX
(6) Sociology :	
(a) Professor M. N. Srinivas	A Study of Urbanisation and Industrialisation in South Gujarat
(b) Dr. I. P. Desai	Mahuva Project

Name of the Department and the Teacher	*Subject*
Faculty of Science	
(1) Bio-chemistry :	
Dr. C. V. Ramakrishnan	1. Tissue Culture (Partly financed by the I. C. M. R.) 2. Biosynthesis of Citric Acid in Citrus Fruits 3. Nutritive value of Guar Protein 4. Synthesis of Vitamin K and Vitamin C by molds and Enzyme Synthesis
(2) Botany :	
Dr. V. G. Phatak	Flora of Pavagadh and area around the University
(3) Zoology :	
Dr. J. C. George	1. Reptilian Anatomy and Physiology 2. Structure and Physiology of the Flight Muscles of Flying Animals 3. Vertebrate Osteology 4. The Psysiology of Aestivation.
(4) Chemistry :	
(a) Professor S. M. Sethna	1. Chemical investigation on Medicinal plants 2. Colouring matter of Raphanus candatus 3. Systematic study of reactions 1-anthrol and 2-anthrol
(b) Dr. J. S. Dave	1. Chelate compounds 2. Liquid crystals
(5) Physics :	
(a) Professor D. V. Gogate	Heat transfer under forced convention with air streams at low velocities

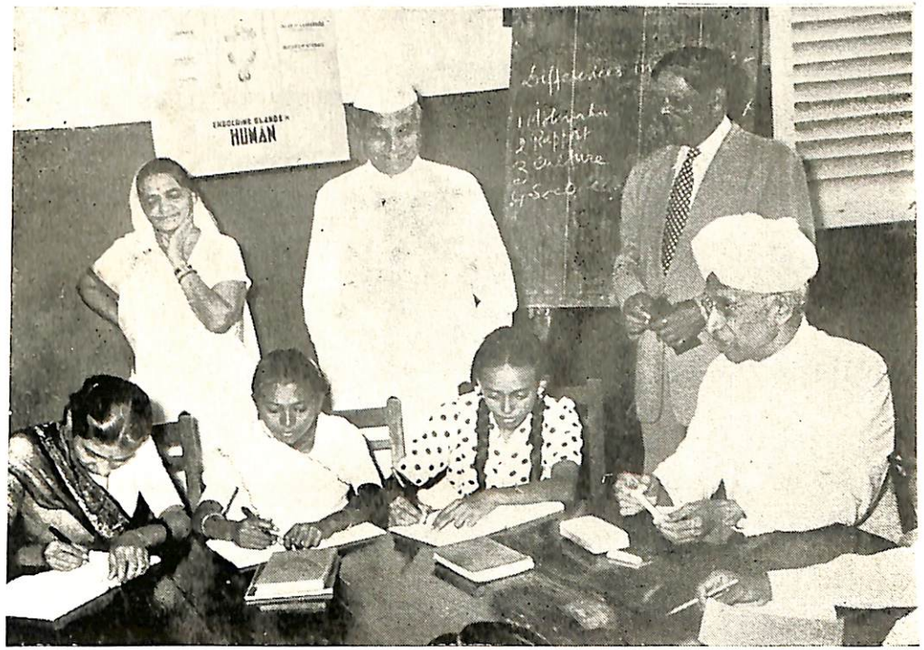
Name of the Department and the Teacher	*Subject*
(b) Dr. N. S. Pandya	Optical studies on the growth of Ionic crystal Surfaces Viscocity of Liquids
(c) Professor D. V. Gogate & Shri K. R. Chaudhari	
(6) Statistics :	
Professor N. M. Bhatt	Theoretical Statistics and Statistical analysis of data collected by the Sheth U. P. A. R. Unit
Faculty of Education and Psychology	
(1) Education :	
(a) Professor T. K. N. Menon	Construction and Standardisation Tests of Social Intelligence
(b) Shri S. C. Parikh	The Influence of Environment on Educational Achievement
(c) Shri N. N. Shukla	(i) Standardization of Achievement Tests in Physical Education (ii) Attitude of college going girls towards religion
(2) Educational Administration :	
Professor S. N. Mukerji	A Comparative Study of Curricula for Under-graduate Students in Indian Universities
Faculty of Technology and Engineering	
Textile Engineering and Mechanical Engineering Departments :	
(a) Shri K. Krishnamurty, Shri S. C. Sheth and Shri R. C. Patel	Picker Testing A machine is being prepared and a process being involved to find out the qualities of commercial pickers.
(b) Shri K. H. Patel	Cotton cleaning machine is being designed which will clean the cotton easily at the ginning stage reducing thereby the quantity of waste.

Name of the Department and the Teacher	*Subject*
(c) Shri S. S. Dighe	Ring Travellers — A machine is being manufactured to produce ring travellers required on the ring frames commercially.

College of Indian Music, Dance and Dramatics

Music :

Shri R. C. Mehta	Indian Music, its legend, history and heritage.



Dr. S. Radhakrishnan enjoying a brief spell of teaching during his visit to the University Department of Psychology.

CHAPTER VIII—FACULTY OF ARTS

1. Buildings

The Facuity is housed in the east wing of the former Baroda College building, the Red Block and the Archaeology Block. The Faculty Library is housed in the western wing on the first floor of the main building.

2. Courses of Studies

There was provision for the following courses during the year.

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

3. Number of students

The number of students enrolled in the various classes at the commencement of the year 1955-56 was as under :

Class	*Men*	*Women*	*Total*
Jr. B.A.	138	44	182
Sr. B.A.	141	39	180
Jr. M.A.	59	13	72
Sr. M.A.	31	5	36
Ph.D.	18	2	20
Total :	387	103	490

4. Staff

During the year the staff of the Faculty consisted of 2 Professors, 8 Readers, 13 Senior Lecturers, 17 Junior Lecturers, 10 Tutors and 9 Class III and 14 Class IV servants and 4 part-time Teachers. Teachers of the Faculty carried out assignments in the following Faculties and Institutions where the Humanities and the Social Sciences are included in their various courses :

(1) Faculty of Science, (2) Faculty of Commerce, (3) Faculty of Technology and 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 provided in the separately housed Students Common Room. The library and reading room were kept open from 10 a.m. to 6 p.m. In addition, the students and the staff make use of the departmental libraries operated by the departments.

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 Reading Room daily.	70
(2)	Average number of teachers making use of the Library and Reading Room daily.	30
(3)	Total number of books issued to students during the year.	6300
	These figures refer to the Faculty (General) Library. In addition, a very large percentage of students and staff made use of the separate departmental libraries.	
(4)	Total number of books issued to teachers during the year.	9000

The following figures show the cost and the expenditure on the maintenance of the Library and the Reading Room during the year 1955-56 :

Sr. No.	*Particulars*	*No.*	*Cost in Rs.*
(1)	Books (including back numbers of Journals) as on 1-7-1955	26,461	1,92,190-11-0
(2)	Books written off during the year	6	70-10-0
(3)	Books added during the year	1,437	10,500-0-0
(4)	Books as on 30-6-1956	27,892	2,02,620- 1-0
(5)	Journals subscribed during the year	120	1,500- 0-0
(6)	Amount spent on binding during the year	—	250- 0-0
(7)	Total amount spent for Library and Reading Room	—	12,250- 0-0

6. Museum

The museum of the department of Archaeology contains important antiquities which are being added to year by year. During the year many additions were made to the stock as a result of new excavations undertaken by the department. There is also a section in the museum containing materials collected by the Sociology Department. The following is the statement of equipment of the department of Archaeology :

Sr. No.	*Item*	*Cost of equipment as on 1-7-1955*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment on 30-6-1956*
		Rs.	Rs.	Rs.	Rs.
1	Museum	2,263-0-0	—	270-1-0	2,533-1-0
2	Studio	4,701-0-0	—	218-0-0	4,919-0-0
3	Excavation equipment	360-0-0	—	47-0-0	407-0-0
4	Drawing equipment	1,448-0-0	—	—	1,448-0-0
5	Deadstock	2,006-5-3	—	451-3-0	2,457-8-3
	Total	10,778-5-3	—	986-4-0	11,764-9-3

7. Publications by the members of the staff

The following were the publications by the members of the staff during the year 1955-56 :

(1) *Articles or Papers :*

Name	*Title*	*Where published*
(1) Professor B. J. Sandesara	(a) गुजरातमां पुरातत्त्व संशोधन	Lecture delivered as President of the Regional History Section of the 19th Gujarati Sahitya Parishad, Nadiad, October, 1955.
	(b) श्री पंचासरा पार्श्वनाथना मंदिर विषेना केटलाक अगत्यना ऐतिहासिक उल्लेखो	Acharya Vijayavallabhsuri Smaraka Granth
(2) Professor M. N. Srinivas	(a) Social System of a Mysore Village	Village India, Chicago University Press.
	(b) Village Studies and their Significance	Eastern Anthropologist, Lucknow, July, 1955.
	(c) Hinduism	Encyclopaedia Britanica, London.
(3) Dr. I. P. Desai	(a) The Social Composition of the students of the Baroda University.	Journal of the M. S. University, March, 1955.
	(b) Joint Family in India	Sociological Bulletin, Bombay, August, 1955.
(4) Dr. S. S. Bhawe	(a) An Interpretation of Rigveda x 109	The Kirfel Jubilee Volume, Bonn. (Germany), April, 1956.
	(b) Panini's Rules and Vedic Interpretation	The Chatterji, Jubilee Volume, Poona, December, 1955.
(5) Dr. A. N. Jani and Shri M. M. Thakkar	Music Research facilities in Baroda	Souvenir, 70th Anniversary of the College of Indian Music, Dance and Dramatics.
(6) Dr. S. C. Misra	The reign of Sultan Ahmedshah of Gujarat	Journal of the M. S. University, April, 1956.
(7) Dr. B. Subbarao	(a) The Chalcolithic Blade Industry of Maheshwar	Bulletin of the Deccan College, Poona, September, 1955.
	(b) Pre-History of the Krishna Valley	Buddha Jayanti Souvenir of the Andhra Committee.
(8) Shri R. N. Mehta	A few Archaeological remains around Valam, Visnagar Taluka	Journal of the Gujarat Research Society, October, 1955.
(9) Shri H. C. Malkani	Economics of Growth with special reference to underdeveloped countries	Conference number of Indian Economic Association, December, 1955

Name	*Title*	*Where published*
(10) Shri D. M. Patel	Teachings of the History of Philosophy	Presidential address, History of Philosophy Section of the Indian Philosophical Congress, December, 1955.
(11) Dr. A. G. Javadekar	The Nature of Error	Proceedings of Indian Philosophical Congress, December, 1955.

(2) *Books :*

Shri S. H. Joshi	Upajati (Collection of poems)	Aryasudharaka Press, Baroda.

8. Literary, Cultural and Other Activities

Many members of the staff contributed articles on popular themes, gave reviews on important books in outstanding journals, delivered public lectures, gave radio talks and were associated with academic, literary and cultural activities in and outside Baroda. Many members of the staff were deputed to attend the annual conferences and they read their papers there.

Three members of the staff of the Faculty Shri D. M. Patel, Dr. (Kumari) S. A. Nachane and Shri B. G. Desai continued to work as Officers in the N.C.C. organisation. Shrimati H. K. Chavan was deputed for Pre-Commission Training at Delhi.

The Faculty maintained a Poor Boys' Library which loaned important text books to poor students. A number of new books were added to this library during the year.

On the Republic Day, the Faculty Students' Representative Council organised a Float for the procession, representing the motto 'Simple Living and High Thinking'.

Batches of students of the Faculty participated in the Youth Camp at Sankheda and also made a gift of manual labour at the Swimming Pool of the University.

9. Co-curricular Activities

(1) Planning Forum :

The Faculty of Arts in co-operation with the Faculty of Commerce is running a Planning Forum. The Forum is organising discussions on the First and Second Five Year plans. Two papers were submitted on

(1) Objectives and Targets of the Second Five Year Plan and

(2) Educated Unemployed.

An exhibition was arranged during the University Week on the targets of the Second Five Year Plan and the achievements of the First Five Year Plan. The Forum also organised public lectures on different aspects of the Second Five Year Plan.

(2) Tours :

Shri S. T. Kothari and Shri C. N. Bhalerao took a batch of students of the Politics Department to a village in Broach district to carry out a survey of the voting behaviour in the election to the Village Panchayat there.

A tour to places of historical importance was organised by Dr. S. C. Misra. The party consisted of History Special students and they visited Abu, Jodhpur, Bikaner, Nagpur, Delhi, Mathura, Agra, Fatehpur Sikri, Ranthambhor, Jaipur, Ajmer, Udaipur and Chitor.

(3) Socials :

The Faculty Social was organised on the 16th February, 1956 under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor. The reports of the various Associations were read and the Vice-Chancellor addressed the gathering. The Vice-Chancellor also joined the Annual Community Dinner which concluded the function. Dr. Reger F. Evans of the Rockefeller Foundation was one of the guests at the Dinner.

(4) Debates :

Under the auspices of the Speaker's Club of the Faculty students Representative Council, 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 the Faculty participated in all the Inter-Faculty debating contest organised by the University.

The Club organised two Symposia during the year : (1) Fear, and (2) Trends in Modern Poetry. At these Symposia members of the staff and some eminent outsiders participated.

(5) Film shows and Exhibitions :

(a) Charts on Local Government were exhibited and a film on Local Government was shown in the B.A. class.

(b) Exhibitions were arranged by the departments of Archaeology, Sociology and History on the occasion of the University Week.

(6) Celebrations :

Important National Days and events like the Human Rights Day and Tagore Jayanti were observed and lectures were arranged according to the occasion. The students and the staff held condolence meeting and paid their homage to Shri Ramnarayan V. Pathak, Shri Ratnamanirao Bhimrao Jote, Dada Saheb G. V. Mavlankar and Principal S. G. Burrow, one of the well remembered past Principals of the Baroda College.

(7) Sports :

The Faculty students' Representative Council arranged tournaments in Badminton, Carrom and Tennis. Shri Madansingh Parmar, a student of the Faculty played in the Inter-University Cricket Matches and scored a brilliant century against Gujarat University and took fifteen wickets in those matches.

(8) Societies :

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

(a) English Literary Society
(b) Shakespeare Society
(c) History Society
(d) Marathi Literary Society
(e) Gujarati Literary Society
(f) U. N. O. Society
(g) Politics Society
(h) Sanskrit Association
(i) Economic Association
(j) Philosophy Association
(k) Hindi Sahitya Samity
(l) Urdu Society
(m) The Music Circle

Each of these groups carried out its own programme of Symposia and Seminars where papers were read by the students and discussions were held, both the students and the staff participating. The Shakespeare Society staged 'King Lear'. The Music Circle of the Faculty organised variety entertainment programmes. Students of the Faculty participated in the Drama competition organised by the University Union.

10. Tutorial and Class Work

Four tutorials per paper are set in a year at regular intervals. They are examined by the teachers themselves and by the Tutors where the numbers are large (the Preparatory and the Intermediate class); in the latter case, the teacher concerned examines 10% of the exercises. The tutorials are discussed by the teachers with individual students in smaller classes and with groups of students in larger ones. In some departments, Seminars are held for particular problems followed by discussions and explanations, whereas in some other departments special tutorial classes are held for individual discussion of the subject taught and for attending to individual difficulties. Under any circumstances a close contact is kept between the teachers and students. The tutorial scheme is showing good results and contributes very largely to an increase in the understanding and efficiency of the students. As the marks assigned to these tutorials are taken into account at the final examination, necessary care is exercised in rating the written work of the students.

11. Other important events

(1) Professor B. J. Sandesara, Professor of Gujarati was elected President of the Regional History Section of the 19th Gujarati Sahitya Parishad, Nadiad, October, 1955. He was awarded a prize of Rs. 2,000 by the Government of Bombay for his book '*Jain Agam Sahitya ma Gujarat*' adjudged to be the best book in history published during the period 1949 to 1952. He was awarded a Rockefeller Foundation Fellowship for one year for travel, experience and intellectual association abroad.

(2) A National Seminar on Casteism and the Removal of Untouchability was held in Delhi between the 25th September, and the 2nd October, 1955. The Indian Conference of Social Work conducted the Seminar. Professor M. N. Srinivas, Professor of Sociology was the Director of the Seminar and Dr. I. P. Desai, Reader in Sociology was the Secretary General.

A Conference of Anthropologists and Sociologists was held in Madras from the 5th to the 7th October, 1955. The Conference was sponsored jointly by the Social Sciences Association, Madras and the Maharaja Sayajirao University of Baroda. Dr. A. Aiyappan, Superintendent, Government Museum, Madras and Professor M. N. Srinivas acted as Conveners of the Conference.

(3) Dr. B. Subbarao, Reader in Archaeology presided over the Archaeology Section of the Eighteenth All India Oriental Conference held

at Chidambaram in December, 1955. He also discussed the results of his studies in London at the Symposium at Delhi about the (a) Red Polished ware and its Roman affinities and (b) Chalcolithic Blade Industry. The excavations in Saurashtra were inaugurated by Shri Jadavjibhai Modi, the Education Minister of Saurashtra and His Excellency Jam Saheb of Navanagar, The Raja Pramukh of Saurashtra visited the excavation at Lakhabaval.

(4) Shri D. M. Patel, Reader in Philosophy presided over the Social and Moral Section of the Indian Philosophical Congress at Nagpur.

(5) Shri H. C. Malkani, Reader in Economics submitted to the Planning Commission a report on the Socio-Economic Survey of Baroda city in October, 1955.

(6) Dr. Robert Koblitz, Visiting Fulbright Professor worked in the Department of Politics during the year.

(7) In addition to the Visiting Professors who delivered lectures in the Faculty, many eminent scholars visited the Faculty. Among these were the following who either held discussions or delivered lectures :

(a) Dr. Reger F. Evans, Assistant Director, Division of Social Science, The Rockefeller Foundation, New York. (b) Dr. Gilpatric, Director, Division of Humanities The Rockfeller Foundation, New York.	Held discussions with members of the staff.
(c) Dr. L. Alsdorf, Professor of Indology, University of Hemburg	Lectured on Sanskrit Studies in Germany—Past and Present.
(d) Dr. W. S. Woytinky, American Demographer.	Lectured on Recent Trends in World Populations and Majer Trends in World Populations.
(e) Mr. Henry Maddick, University of Manchester	Lectured on Nationalisation and Democracy. The role of the High Civil Services in the Welfare State and Choice and Training of Personnel in Nationalised Industries.

(7) Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India, visited the departments of Archæology, Sociology, Gujarati, History and Sanskrit. He went round the institution and met the teachers of the Faculty in the Central Hall.

Dr. C. P. Ramaswami Aiyar, Vice-Chancellor, Banaras Hindu University and Sardar K. M. Panikkar, Member, States Re-organisation Commission, New Delhi, visited the Faculty during the year.

(8) A batch of Language Teachers was deputed to the School of Linguistics at Poona. It consisted of the following members of the staff :

(a) Shri U. S. Bhatnagar
(b) Shri B. L. Sinha
(c) Shri S. D. Parekh

(9) The following research projects were in progress in the various departments of the Faculty duirng the year :

Sociology

(a) Barot Village Project (under Chicago University Grant)
(b) Mahuva Project (under Rockefeller Foundation grant)
(c) A study of Urbanisation and Industrialisation in South Gujarat (under University Grants Commission grant)

History

(a) Scheme for editing Baroda Residency Records
(b) A Scheme for the preparation of History of Gujarat under the Muslims.

Gujarati

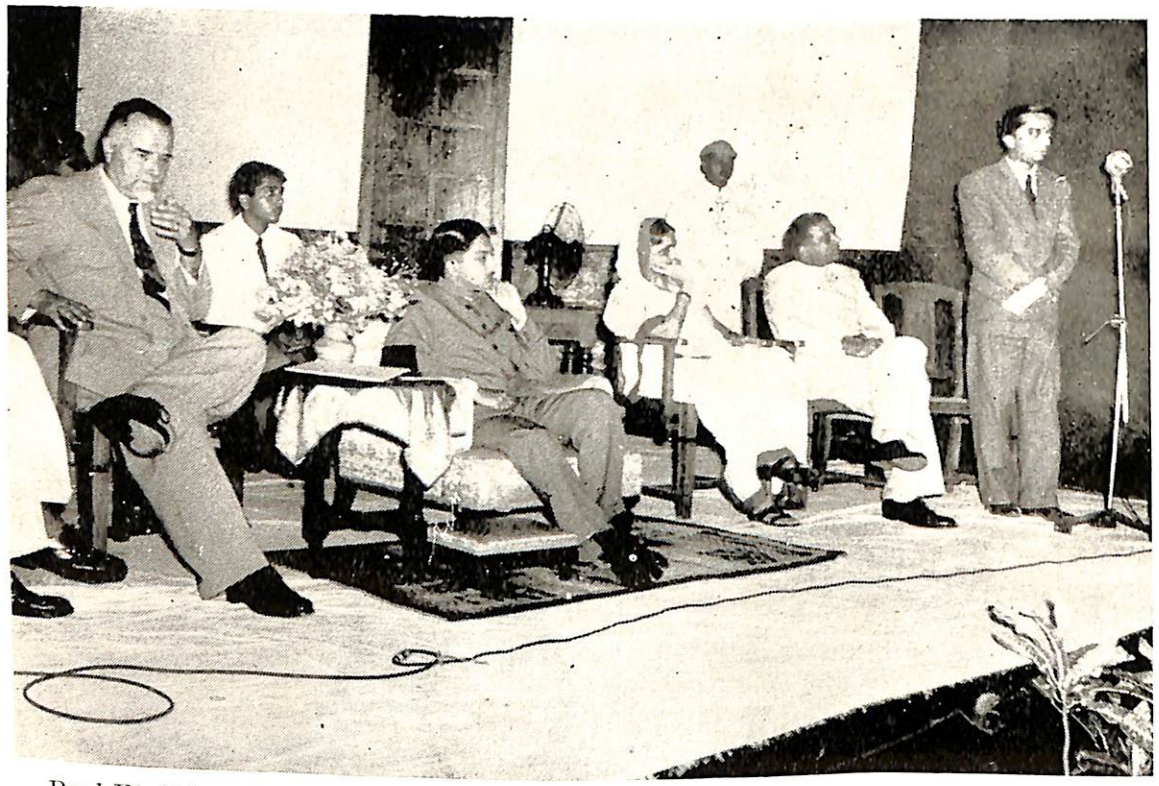
(a) Publishing a series of Critical editions of Old Gujarati Texts.
(b) The publication of the Literary material of Late Professor B. K. Thakore.

Economics

(a) Socio-Economic Survey of Baroda City
(b) Survey of Industrial conditions in Baroda city

Archaeology

Archaeological surveys in South Gujarat, North Gujarat and in Halar Districts.



Paul Ehrlich and Emil Behring Centenary Celebration. In the photo are Herr Von Pochhammer, Consul General for West Germany; H. H. Maharaja Fatehsinhrao Gaekwad, Chancellor; Shrimati Hansa Mehta, Vice-Chancellor; Prof. N. M. Bhatt and Professor Suresh Sethna.

Politics

Political research scheme of surveying the Voting Behaviour of Village Panchayat constituent at Vagra (Broach District).

Sanskrit

A Fresh Translation of the Rigveda with special reference to Mandala IX.

12. U.P.S.C. Training Class

The Government of Bombay under their No. GEO 4453 U dated the 6th April, 1955 sanctioned the scheme for providing coaching facilities for students of Bombay State and agreed to bear two-thirds of the net deficit under the scheme. The Syndicate having approved the recommendations of the committee appointed for the purpose, the class was started on the 1st August, 1955 after completing preliminary arrangements in July. Five students out of 18 applicants were selected for admission to the class after an interview by the Selection Committee.

A schedule of lectures, tutorials and discussions was drawn up and in accordance with it, the teachers from the various Faculties imparted instructions in the Compulsory, Optional and Additional subjects during the year.

As was suggested at the meeting of the panel of Instructors for the Essay and General knowledge, a comprehensive reading list of essential books and periodicals was drawn up and given to the students. A tentative list of Essay subjects was also drawn up. Copies of I. A. S. question papers of the past years and books for reference and for general reading were acquired for the use by the class.

The students were given an intelligence test by Professor T. K. N. Menon and a medical test by Dr. A. N. de Quadros.

A number of trial interviews (viva-voce and personality test) were held during the period of training. The procedure followed was, as far as possible, in consonance with the actual procedure of the U.P.S.C. After the individual interview, the students were given a topic to discuss and their performance was observed by the Board of Interviewers. The defects noticed were later discussed with the students by the Convener. Dr. J. M. Mehta and Shri P. G. Shah, members of the Senate, Shri Rameshchandra Desai, Collector, Baroda, Shri L. R. Dalal, Collector, Surat and

Kumari R. D. Parekh, I. A. S., were among others invited to join the Board of Interviewers.

Students were given an opportunity to meet and have discussions with Professor N. K. Siddhanta, Vice-Chancellor, Calcutta University and Shri N. C. Mehta, I.C.S. (retired) when they visited the University : Two students withdrew from the class in the second term as they were not able to cope with the training requirements.

CHAPTER IX—FACULTY OF SCIENCE

1. Buildings

No addition has been made for the last four years to the buildings of the Faculty of Science which is accommodated in the main building and the Square Block Building near it. There are three Preparatory science classes each of the strength of 120, two Intermediate classes each of the strength of 160 and B.Sc. and M.Sc. classes in seven to eight subjects. There are about ten lecture rooms with laboratories for under-graduate, post-graduate and special research studies in the subjects of Chemistry, Biochemistry, Botany, Zoology, Physics, Statistics and Geography.

2. Courses of Studies

(1) The Faculty provides instruction in the subjects of (a) Physics, (b) Chemistry, (c) Botany, (d) Zoology, (e) Mathematics, (f) Statistics and (g) Geography to the students of the Faculty of Science and those Faculties of the University where these subjects are laid down in the syllabuses.

(2) Instruction is imparted in these seven subjects at the under-graduate level leading to the B.Sc. degree. The instruction in Geology which is also a subject for the B.Sc. degree is imparted in the Faculty of Technology and Engineering.

(3) Instruction is imparted in the subjects of Physics, Chemistry, Biochemistry, Botany, Zoology, Mathematics and Statistics leading to the M.Sc. degree in these subjects.

(4) Students are taken up for research work and for the Ph.D. work.

(5) A new course leading to M.Sc. degree in Biochemistry was started during the year and a separate department of Biochemistry called Dr. K. G. Naik Biochemistry Department was created.

(6) In addition, the Faculty teaches (a) Mathematics to the students of Faculties of Arts and Commerce in the Preparatory and the Intermediate classes, (b) Mathematics to the students of the Faculty of Technology and Engineering in the First Year Engineering, the Second Year Engineering and the Diploma classes, (c) Statistics to the students of the Faculties of Arts and Commerce in the Intermediate, the B.A. and

the B.Com. classes, (d) Physics, Chemistry, Botany and Zoology in the Faculty of Home Science, (e) Physics to the students in the College of Indian Music, Dance and Dramatics, (f) Geography to the students of Faculties of Arts and Commerce in the Preparatory, Intermediate and B.A. classes.

3. Number of students

The number of students on roll in the various classes at the commencement of the year 1955-56 was as under :

Class	*Men*	*Women*	*Total*
Preparatory Science	333	37	370
Intermediate Science	318	21	339
Junior B.Sc.	155	8	163
Senior B.Sc.	166	16	182
M.Sc. (Jr. and Sr.)	57	4	61
Ph.D.	6	–	6
Total :	1035	86	1121

4. Staff

During the year, 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 32 class IV servants —total 125.

Principal N. M. Shah was appointed Honorary Professor of Mathematics for the academic year.

5. Library and Reading Room

(1) The members of the staff and the students of the Faculty make use of the Students' Common Room for reading newspapers and periodicals of general interest. The average attendance in this Common Room which has now been well decorated and equipped and which provides light snack and indoor games also is about 200 students per day from all the Faculties combined.

(2) The Faculty continued to maintain libraries in the various departments and these have been well used by the students and teachers. The post-graduate students are making an increasing use of the library and on an average, they spend daily about an hour in it. The number of books issued to the students is one thousand per year and the number

of books issued to the teachers is 800 per year. It has been decided to transfer all these departmental libraries to the University Library when the new building of the University Library is ready.

(3) The University Grants Commission sanctioned grants for books to the Faculty in the previous years and a part of the amounts unspent was allowed to be utilized during this year. During the year, the University Grants Commission gave Rs. 20,000 only to the University for scientific and technological books, out of which Rs. 10,000 were allotted to the Faculty of Science. The amount spent from the University Grants Commission library grant this year was of the order of Rs. 37,000.

(4) The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room in the Faculty during the year 1955-56 :

S. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of journals as on 1-7-1955)	6662	96,217-0-0
2.	Books written off during the year	—	—
3.	Books added during the year	780 (from U. G. C.)	37,155-0-0
		60 (from Univ.)	1,511-0-0
		840	38,666-0-0
4.	Books as on 30-6-1956	7502	1,38,871-0-0
5.	Journals subscribed during the year	59	3,988-0-0
6.	Amount spent on binding during the year	310	1,000-0-0
7.	Total amount spent for Library and Reading Room during the year	—	43,654-0-0*

6 Museums, Laboratories etc.

(1) Various specimens collected during tours were added to the Botanical and Zoological museums. A big panel of pictures depicting the

* Rs. 37,155/- from University Grants Commission grant and Rs. 6,499/- from the Faculty grant.

scenes of prehistoric mammal life, artistically painted by the students of the Faculty of Fine Arts, is an added attraction to the Zoological Museum.

(2) A small petrol gas plant was installed last year to supplement the supply of gas to the laboratories, as it was found difficult to repair the old gas plant. An accidental fire broke out in the old gas plant in January, 1956. Though the damage caused was negligible, it was found advisable to install another larger petrol gas plant, which has been ordered now and will be installed soon.

(3) Some of the gas and water pipes in the Chemistry Laboratories laid 20 years ago were found to have corroded and were leaking. The University granted Rs. 20,000 for their renovation and the work was started in the Summer vacation of 1956 and is still in progress.

(4) From the University Grants Commission grants, an amount of about Rs. 72,000 has been spent during the year to purchase apparatus and instruments for laboratories, the chief of them being Hollerith 80-Column Sorter, Tower Ozone Generator, Polarograph, Micro-Analysis Equipment, Metler Balance, Refractometer, Vaccum Coating Unit, Leitz Micro and Macro photographic equipment and a Micro-film Reader.

The following table shows the cost of equipment in different departments of the Faculty during the year 1955-56:

Laboratory	*Cost of equipment as on 1-7-1955*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1956*
	Rs.	Rs.	Rs.	Rs.
Bio-chemistry	—	—	38,000	38,000
Botany	1,22,903	—	7,448	1,30,351
Chemistry	* 69,545	—	32,000	1,01,545
Geography	4,950	—	5,000	9,950
Physics	1,75,946	—	22,711	1,98,657
Statistics	39,013	—	9,044	48,057
Zoology	53,621	—	11,912	65,533
Total	4,65,978	—	1,26,115	5,92,093

* Only Scientific Apparatus.

7. Publications by the members of the staff

The following is the list of Research papers published by the members of the staff during the year 1955-56:

S. No.	*Name*	*Title*	*Where published*
1	Dr. C. V. Ramakrishnan	Isocitric Dhydrogenase in A. Niger	Arch. Biochem. and Biophys. April, 1955, Vol. 55, No. 2
2	Dr. C. V. Ramakrishnan	Mechanism of Citric Acid formation in A. Niger	Arch. Biochem. and Biophys. March, 1955, Vol. 55, No. 2
3	Dr. C. V. Ramakrishnan, Smt. Vanamala Sathe and Shri J. B. Dave	Spectrophotometric method for estimation of vitamin K_3.	Nature Vol. 177, February, 1956
4	Dr. C. V. Ramakrishnan, and Shri K. P. Pandya	Sucrose phosphorylase in Sugar Cane Leaves	Naturewisshenschaften Heff 4, S. 85 43, Jahrgang 1956
5	Dr. C. V. Ramakrishnan and Shri P. J. Desai	Effect of addition of iron, Cobalt and ascorbic acid to the medium on the synthesis of ascorbic acid in moulds	Current Science, June, 1956
6	Dr. V. G. Phatak and Shri B. B. Joshi	Contribution to the Flora of Pavagadh Hill: Eastern Gujarat from July, 1954 to January, 1955	Journal of the M. S. University of Baroda, October, 1955
7	Dr. V. G. Phatak and Shri B. B. Joshi	A Brief Account of the Flora of the University Campus, Baroda (March, 1955 to June, 1955)	Journal of the M. S. University of Baroda, October, 1955
8	Dr. V. G. Phatak and Shri S. D. Savant	Embryological Studies in Euphorbiaceae. The Female Gametophyte in Jatropha Podagrica Hook	Journal of the M. S. University of Baroda, October, 1955
9	Dr. V. G. Phatak and Kumari K. B. Ambegaokar	Embryological Studies in Acanthaceae. The Female Gametophytes in— (a) Tubiflora Acaubis (b) Barleria Prionitis (c) Acanthus Ilicifolius	Journal of the M. S. University of Baroda, October, 1955
10	Dr. A. R. Chavan and Shri A. R. Mehta	Some observations on the Grasses of the University Campus	Journal of the M. S. University of Baroda, October, 1955
11	Dr. A. R. Chavan and Shri J. J. Shah	Early procambization of the first vegetative leaf of the axillary bud of Vitia repens W & A	Journal of the M. S. University of Baroda, October, 1955

S. No.	Name	Title	Where published
12	Dr. A. R. Chavan and Shri A. R. Mehta	Occurrence of Ophioglossam gramineum Willd in Gujarat	Science and Culture, March, 1956
13	Shri K. B. Desai, Shri K. N. Trivedi and Professor S. M. Sethna	Synthesis of Benzo—Y Pyrones by Condensation of B-Ketonic Easters and Phenols without the use of a Condensing Agent	Journal of the M. S. University of Baroda, October, 1955
14	Shri H. W. Buston and Dr. C. M. Mehta	Lectones and Metabolism of certain plant tissues	Journal of the M. S. University of Baroda, October, 1955
15	Dr. J. S. Dave and Shri J. S. Dewar	Mixed Liquid Crystals, Part II	Journal of Chemical Society, London, 1955
16	Shri S. N. Parikh and Shri A. N. Godbole	Bufferred Paper Chromatography of Sugars and related substances, Part II	Journal of the M. S. University of Baroda, October, 1955
17	Shri H. N. Patil and Dr. D. V. Gogate	A study of temperature variations in convected Air Streams	Journal of the M.S. University of Baroda, October, 1955
18	Dr. N. S. Pandya and Shri G. K. Trivedi	Growth of Ionic Crystals	Abstracts : Indian Science Congress, 1956
19	Dr. D. G. Kapadnis	The Effect of Fluid Motion on Heat Transmission, Part III	Indian Journal of Physics, Vol. 29
20	Dr. D. G. Kapadnis and Shri Dokupil Z.	Les Measures de Chaleur Specific des Melanges Liquides	Conference de Physics des basses temperatures, Paris 1955
21	Dr. D. G. Kapadnis	Heat Capacities of three paramagnetic alums at low temperatures	Physica, the Hague, Vol. 22, March, 1956
22	Dr. D. G. Kapadnis and Shri Hartmans R.	The low temperature heat capacities of two diamagnetic alums	Physica, the Hague, Vol. 22, March, 1956
23	Dr. D. G. Kapadnis and Shri Hartmans R.	The low temperature specific heat and entropy of $M_n B_{r_2}, 4H_2O$.	Physica, the Hague, Vol. 22, March, 1956
24	Dr. J. C. George	Animal Remains in 'Report on the Excavations at Nasik and Jojwa 1950-1951' by H. D. Sankalia	Deccan College Monograph Series, No. 13, 1955
25	Dr. J. C. George and Kumari Dolly Jyoti	Histological Features of the Breast Muscles of bird and bat and their physiological and evolutionary significance	Journal of Animal Morphology and Physiology, Vol. II, No. 1, 1955

S. No.	Name	Title	Where published
26	Dr. J. C. George and Kumari Dolly Jyoti	The lipid content and its reduction in the muscle and liver during long and sustained muscular activity	Journal of Animal Morphology and Physiology, Vol. II, No. 1, 1955
27	Dr. J. C. George and Shri R. V. Shah	The homology of arterial arches in the amniotes	Journal of Animal Morphology and Physiology, Vol. II, No. 1, 1955
28	Dr. J. C. George and Shri R. V. Shah	The Myology of the head and neck of the Indian Tortoise	Journal of Animal Morphology and Physiology, Vol. II, No. 1, 1955
29	Dr. J. C. George and Shri R. V. Shah	The Myology of the Chelonian Trunk and Tail	Journal of Animal Morphology and Physiology, Vol. II, No. 1, 1955
30	Professor N. M. Bhatt	Second Summary of Medical Inspection Reports	Published by the M. S. University of Baroda, 1956
31	Professor N. M.Bhatt	The Square Triangular Matrix with Unit elements	Journal of the M. S. University of Baroda, October, 1955
32	Dr. K. V. Ramchandran	Simultaneous Confidence Interval Estimation for Parameters in Analysis of Variance situation	Journal of the M. S. University of Baroda, October, 1955
33	Dr. K. V. Ramchandran	Contribution to Simultaneous Confidence Interval Estimation	Biometrics, March, 1956
34	Dr. K. V. Ramchandran	On the Probability Integral associated with a certain Multivariate Test	Annals of Mathematical Statistics, Vol. 27, No. 1 (Abstract only)
35	Shri S. N. Roy and Dr. K. V. Ramchandran	On the Near Monotanic Character of the Power Function of a Certain Multivariate Test	Annals of Mathematical Statistics Vol. 27, No. 1 (Abstract only)
36	Shri C. G. Khatri	Derivation of Sheppard's Corrections from Craig's Result	Journal of the M. S. University of Baroda, October, 1955.

8. Literary, Cultural and Other Activities

(1) 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.

(2) Centenary celebration of the German Scientists, Paul Ehrlich and Emil Behring was held on the 2nd July, 1955 when His Highness Shrimant Maharaja Fatehsinhrao Gaekwad, the Chancellor, presided. Von Pochhammer, the Consul General for West Germany in Bombay, came from Bombay specially for the meeting. The Vice-Chancellor graced the meeting with her presence. Professor Suresh Sethna gave a talk on 'The Life and Work of Paul Ehrlich and Emil Behring'.

(3) The Sixtieth Death Anniversary of Louis Pasteur was celebrated on the 28th September, 1955 when Dr. Venilal Modi, the Mayor of Baroda presided. Monsieur L. Giovangrandi, the French Consul in Bombay, came specially from Bombay to attend the meeting and showed an excellent film about the life of the great scientist. Professor Suresh Sethna gave an interesting talk on the life and work of Louis Pasteur.

(4) Professor Suresh Sethna spoke on 'Science ane Poetry' to the Debating Society of the Medical College, 'The Scientific Outlook' in the General Education Series and 'Some Interesting Aspects of Scientific Progress' to the Chemical Society of Vallabh Vidyanagar while presiding over their annual function. Dr. J. C. George delivered a series of three lectures on 'Eugenics and Marriage' at the Faculty of Home Science, a lecture on 'Heredity and Human Affairs' in the General Education Series and addressed the N. C. C. Cadets of Saurashtra Battalion at Rajkot on 'Human Differences'. Professor N. M. Bhatt gave a talk to the Rotary Club of Baroda on 'Some problems of University Education'. Dr. D. V. Gogate gave a lecture on 'Atomic Energy' under General Education Scheme and a series of three lectures on 'Atomic Energy—Its Past, Present and Future' to Saha Vicharini Sabha.

(5) The Botany Department took part in organizing an Exhibition of medicinal plants growing in the University Campus, under the District Health Exhibition held from the 7th to the 9th January, 1956 in Baroda.

(6) Dr. A. R. Chavan and Shri R. V. Shah delivered a series of lectures on Botany and Zoology respectively under the Extension Service Programme in the Faculty of Education and Psychology.

(7) Kumari V. A. Janaki attended the International Seminar in Geography held at Aligarh as a delegate of the University. Professor N. M. Bhatt, Dr. C. M. Mehta, Dr. J. S. Dave, Shri A. N. Godbole, Dr. N. S. Pandya and Dr. C. V. Ramkrishnan attended the 43rd session of the Indian Science Congress held at Agra in the first week of January, 1956 and took

part in the discussions and seminars and read papers. Professor N. M. Bhatt was elected Recorder of the Statistics Section of the Science Congress. Dr. J. C. George has been elected a Fellow of the Zoological Society of India.

(8) Condolence meetings were held to mourn the deaths of (a) Dr. S. L. Hora, Director of Zoological Survey of India and (b) Professor Meghnad Saha, the well-known Physicist of India.

(9) The Science Faculty Magazine was published in March, 1956.

9. Co-curricular activities

(1) Societies :

The various Societies *e. g.* Bio-chemical, Chemical, Botanical, Geographical, Mathematical, Physical, Statistical and Zoological were active throughout the year and arranged a number of lectures, reading of papers, discussions on a variety of topics and small tours. They celebrated their annual functions with entertainments, and a social and cultural programme.

(2) Symposium on Cancer :

A symposium on 'Cancer' was arranged by the Zoological Society on the 18th August, 1955. The Vice-Chancellor presided. Dr. J. Mordecai spoke on 'What is Cancer ?', Professor Suresh Sethna spoke on 'Carcinogens', Dr. J. C. George spoke on 'Cell Division' and Dr. Manibhai Patel spoke on 'Treatment and Surgery of Cancer'.

(3) Lectures of Professor Brachet :

Professor Jean Brachet of Brussels University, a biologist of international repute, now with the Atomic Energy Commission of Government of India gave two lectures on the 4th February, 1956 on (1) 'The Life of the Cell' at which the Vice-Chancellor presided and (2) 'The Biological and Bio-chemical Mechanisms of Protein Synthesis'.

(4) Lectures of Dr. S. G. Manavala Ramanujan :

Dr. S. G. Manavala Ramanujan, Principal of the University College, Tirupati and former Vice-Chancellor of the Annamalai University was the Visiting Professor of the Faculty of Science. He delivered a series of six lectures on the following subjects from the 2nd March, 1956 to the 5th March, 1956 :

(a) Man's Place Among Mammals, (b) Man's Remote Origin from Among Mammals, (c) Acquired Characters of Lamarck, (d) Inherit-

ance of Acquired Characters, (e) Air-Breathing Organs in Indian Fishes, (f) Can Life be Created ?

The Vice-Chancellor presided at the last lecture on 'Can Life be Created ?'

(5) Lectures of Professor S. N. Roy :

Professor S. N. Roy, the well-known Indian Statistician, now Professor of Statistics in the University of North Carolina, U.S.A., gave two lectures on his recent research on Non-Prametric Tests in Multivariate Analysis and Analysis of Variance on the 7th March, 1956. He also gave an interesting lecture on the 8th March, 1956 on 'Indian Students in American Universities'.

(6) Lectures of Shri M. C. Chakrabarti :

Shri M. C. Chakrabarti, Head of Statistics Department of Bombay University, gave a series of six lectures on the 20th, the 29th and the 30th January, 1956 on Advanced Topics of Experimental Design.

(7) Lectures of Professor Liebman :

Professor Liebman of Wisconsin University and now Visiting Professor at the Indian Institute of Science, Bangalore, visited the Biochemistry Department on the 27th, the 28th and the 29th January, 1956 and gave three lectures on 'Nucleic Acid Metabolism'.

(8) Lectures of Dr. (Shrimati) Kamala Sohoni and Dr. A. Sreenivasan :

Under the joint auspices of the Chemical and Biochemical Societies, lectures of (a) Dr. (Shrimati) Kamala Sohoni of the Institute of Science, Bombay on 'Trypsin Inhibitors' and (b) Dr. A. Sreenivasan of the Chemical Technology Department of Bombay University on 'Some Aspects of Vitamin B_{12} Metabolism' were arranged on the 26th November, 1955.

(9) Films :

Films of educational importance were shown to the students, the chief of them being on (a) Corossion in Action, (b) Nickel Winning, (c) Building a character Metal, (d) Nickel Refining by the Mond Process, (e) Land-Forms, (f) Coal and Petroleum, (g) Five-Year Plan.

(10) Educational Tours :

(a) A Botanical Excursion to South India and Ceylon was undertaken under the guidance of Dr. V. G. Phatak from the 17th October, 1955 to the 10th November, 1955. Valuable collection in Bryophytes, Pteridophytes, Gymnosperms and the Angiosperms were made for the Botany Museum. Some short excursions to nearby places were also arranged.

(b) The senior students of Zoology Department had a successful study and collection tour of Okhamandal shore in November, 1955.

(c) Geography students went on tour to Ujjain, Indore, Okhamandal, Bhopal, Panchmarhi, Burhanpur, Jabalpore, Aurangabad, Ajanta, Ellora and Kakrapara Dam.

(d) The senior Statistics students went on a tour to Delhi and visited the Statistical Institutions there in November, 1955. They also went to Ahmedabad and saw the Statistical Exhibition organized by the Ahmedabad Textile Industries Research Association.

(e) The students of Biochemistry Department visited Animal Nutrition Research Centre in Anand in March, 1956.

(f) The Chemistry students went on a tour of South India. They also went on a short trip to Bulsar and saw the Atul Products and Lederle Laboratories. They also visited Sayaji Mills, Alembic Chemical Works and Sarabhai Chemical Works at Baroda.

10. Tutorial and Class Work

Tutorials marks are counted to the extent of 20% in theory and 25% in practicals at the final examination for all Intermediate and undergraduate classes in all subjects. Tutorials in all subjects have been regularly taken and the records maintained and submitted to the University. Students were given the corrected answer-books and informed about their marks. The attendance at the tutorials was good and the students are taking their tutorials seriously. On the whole, the tutorial marks showed agreement with the final examination results.

11. Other Important Events

(1) Opening of Dr. K. G. Naik Bio-chemistry Department :

The University had accepted the donation of Rs. 57,652 from Dr. K. G. Naik, his relatives, friends, admirers and students towards the establishment of a Biochemistry Department in the University to be named

after Dr. K. G. Naik, former Professor of Chemistry, Baroda College. The opening ceremony of this new and important Department meant for post-graduate studies and research in Biochemistry was performed at an impressive ceremony on the 17th June, 1955 by Shri Dinkarrao Desai, Minister for Education, Government of Bombay, when Dr. Jivraj Mehta, Minister for Finance, Prohibition and Industries, Government of Bombay, Dr. K. G. Naik and many other distinguished guests were present.

(2) General Education Tour to U. S. A. and U. K. of Professor Sethna :

Dr. Suresh Sethna, Professor of Chemistry, was selected by the Ministry of Education, Government of India, to be a member of the team of educationists who were to visit various educational centres in U. S. A. and U. K. with a view to study the General Education Scheme for a period of three months. Professor Sethna left India for the tour towards the end of March, 1956.

(3) Teachers and Students :

(a) Shri D. G. Kapadnis, Demonstrator in Physics, who was deputed to Kamerling Onnes Laboratories in Netherlands for special study in Low Temperature Physics, completed his study and was awarded D.Sc. degree of that University, (b) Shri Vinod C. Shah, Demonstrator in Zoology, who went to U. S. A. on a Rotary International Fellowship, joined the University of Minnesota where he is doing good work, (c) Shri R. V. Joshi, Demonstrator in Physics, was granted leave without pay and he proceeded to U. K. in October, 1955 to prosecute advanced studies in Physics in the University of Leeds, (d) Shri C. C. Shah, Senior Lecturer in Mathematics, was deputed by the University to the Tata Institute of Fundamental Research at Bombay for a period of one year for study of new developments in Mathematics, (e) Shri K. S. Patel, who secured a First Class in the M Sc. examination of 1955 with Physics, was awarded a scholarship for advanced studies in nuclear physics.

(4) Government Grants :

(a) The four Research Training Scholarships awarded to the Faculty by the Ministry of Education, Government of India, were continued for the year, (b) The Government of Bombay granted several Backward Class Scholarships. Open Merit Scholarships and Open Merit Freestudentships to the students of the Faculty, (c) The University Grants Commission, who had granted towards the end of the last academic year Rs. 90,000 for

apparatus and Rs. 50,000 for books in addition to grants sanctioned in previous years, allowed the utilization of the unspent amounts of the grants during the year 1955-56 and Rs. 72,000 for apparatus and Rs. 37,000 for books were spent, (d) The University Grants Commission granted to the University Rs. 20,000 for books on Scientific and Technical subjects out of which Rs. 10,000 were allotted to the Faculty of Science.

(5) N. C. C. Activities :

(a) The Faculty of Science contributes a good number of students to the National Cadet Corps. Four N. C. C. Cadets belonging to the Faculty of Science have joined the National Defence Academy at Dehra Dun, (b) Shri Nadkarni of this Faculty has been selected as the best cadet of the year, (c) Shri Kulshreshtha of this Faculty was awarded prize for the best Shot, (d) Shri N. P. Salvi who was deputed by the University to the Central N. C. C. Officers Training Camp, secured a medal for being the second best all-round officer.

(6) *Cricket and Badminton* :

(a) Four students of the Faculty were selected in the University Cricket Team which took part in the Inter-University Tournaments. (b) Shri Atul Mehta, Demonstrator in Botany and Shri G. V. Pethe, Demonstrator in Physics, were deputed to the training camps for coaches for Cricket and Badminton respectively organized by the Ministry of Education, Government of India, at Rajkot and Bombay.

(7) *Sports and Debates* :

(a) At the N. M. Wadia Trophy Debating Competition, the Faculty of Science won the second prize and Shri Gopinath Menon was judged the best individual speaker, (b) Shri Gopinath Menon was the Tennis Champion of the University and he led the Tennis Team of the University at Inter-University Tennis Tournaments, (c) In athletic competitions during the University Week, Shri M. S. Ukhade and Shri R. R. Naidu, students of the Faculty, secured the first and the second places, (d) The Faculty secured second place in Inter-Faculty Badminton and Hu-Tu-Tu Tournaments, (e) Five students of the Faculty including the Captain, Shri A. G. Tambe, were selected for the University Kho-Kho team to take part in the Inter-University Kho-Kho tournaments, at which the University team won the All-India Championship, (f) Several students were selected

to take part in the Inter-University Youth Festival, (g) The Faculty sent teams to take part in University Week Celebrations and secured the first prize in Group Singing and second prize in Garba.

(8) Social Service :

(a) More than fifty students of the Faculty joined the Social Service Labour Camp organized by the University at Aat in May, 1956, (b) Students of the Faculty contributed manual labour to the digging of the Swimming Pool in the compound of the Union Pavilion, (c) One teacher Shri A. L. Redey and three students of the Faculty were selected for the Village Development Apprentice Scheme under the National Extension Service of the Government of India and did good work for which they were awarded certificates.

(9) Faculty-Day Celebrations :

The Faculty Day was celebrated on the 2nd February, 1956 when the Vice-Chancellor presided and distributed the prizes. An entertainment programme of group-singing, dance, garba, group-dance, shadow play etc. was arranged on the occasion.



Dr. S. Radhakrishnan, addressing the concluding session of the Regional Seminar on Secondary Education of Head Masters and Educational Inspectors from the States of Bombay, Saurashtra and Kutch.

CHAPTER X—(A) FACULTY OF EDUCATION AND PSYCHOLOGY

1. Building

There were no additions made to the building of the Faculty during the year and the pressure of accommodation experienced during the previous year continued. The recent addition of a Department of Extension Services, the fitting up of an Audio-visual Room and the expansion of the activities of the Department of Psychology and the Experimental School of the Faculty have added to the problem of accommodation.

2. Courses of Studies

The Faculty provides the following courses of study

(1) Post-graduate courses leading to
- (a) Ph.D. degree in the subjects of Education Psychology
- (b) M.Ed. degree by papers and dissertation
- (c) M.Ed. degree by thesis
- (d) M.A. degree in Psychology
- (e) B.Ed. degree

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

(3) Diploma Courses:
Diploma in Teaching

(4) Certificate Courses:
Certificate 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 Art Class.

The Faculty introduced in June, 1956 the teaching of the Special Methods in Home Science, Agriculture and Commerce in the B.Ed. Class with a view to train teachers for the Multipurpose Schools, and has added School Libraries and School Administration to the list of optional subjects taught in the same class.

3. Number of students

The number of students enrolled in the various classes at the commencement of the year 1955-56 was as follows:

Class	*Men*	*Women*	*Total*
Ph.D. (Thesis)	2	2	4
M.Ed. (Thesis)	6	1	7
M.Ed. (by papers) Jr.	15	–	15
M.Ed. (by papers) Sr.	13	2	15
M.A. (Psy.) Jr.	2	3	5
M.A. (Psy.) Sr.	1	2	3
B.Ed.	82	19	101
B.A. (Special) Jr.	2	16	18
B.A. (Special) Sr.	8	9	17
T.D.	30	4	34
Total	161	58	219

4. Staff

During the year, the staff of the Faculty consisted of 1 Professor, 1 Reader, 8 Senior Lecturers, 7 Junior Lecturers, 1 Tutor and 6 Class III and 7 Class IV servants. The work was carried on temporarily with the addition of a Tutor. In addition to the above, there were a Reader and a Senior Lecturer working as Co-ordinator and Assistant Co-ordinator in the Extension Services financed by the Union Ministry of Education and two Research Assistants working on a Research Project on Educational and Vocational Guidance financed by the same agency.

5. Library and Reading Room

The Faculty library contains over 11,000 volumes and affords facilities for research in all branches 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 mentioned above. The library also subscribes to about sixty periodicals.

The library follows the open-shelf system and therefore students have the facility and freedom to choose and read any book during working hours. A certain amount of library reading is obligatory for all students. Students are helped to do this by the prescription of topics and references; sometimes hours for library study are also provided in the time-table. The library and reading room are kept open from 10-30 a.m. to 6-30 p.m. on all working days and from 8-0 a.m. to 1-0 p.m. on Sundays. A scrap-book of newspaper and journal cuttings is maintained to acquaint them with the recent developments in educational theory and practice. Since the students 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 average daily attendance and circulation of books were as follows:

Sr. No.	*Particulars*	*Number*
1	Average number of students making use of the Library and Reading Room daily	182
2	Average number of teachers making use of the Library and Reading Room daily	18
3	Total number of books issued to students during the year	2,016
4	Total number of books issued to teachers during the year	353

The expenditure on the library and the reading room and the position of books and journals were as follows :

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1	Books (including back numbers of Journals) as on 1st July, 1955	11,113	29,719- 3-3
2	Books written off during the year	270	957-14-0
3	Books added during the year	203	1,697- 6-3
4	Books as on 30th June, 1956	11,046	30,458-11-6
5	Journals subscribed during the year	58	694- 6-0
6	Amount spent on binding during the year	—	97- 8-0
7	Total amount spent for library and reading room during the year	—	2,391-12-3

6. Museum and Laboratories

(1) *Museum* : The Faculty Museum contains a large collection of teaching aids for the use in the teaching of different subjects. This collection increases every year. During the year there was an addition of more than 150 articles which were prepared by students under the guidance of the members of the staff. Every student under training prepares a set of illustrative aids to teach a topic or a series of topics under the project scheme of the Faculty. The cost of the articles in the museum is as follows :

S. No.	*Item*	*Cost of equipment as on 1-7-1955*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1956*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1	Museum	2927-4-0	—	3533-12-0	6461-0-0
2	Teaching Aids prepared by students.	2000-0-0	—	400- 0-0	2400-0-0

(2) *Audio Visual Aids* : The Faculty fitted up for the students who opt for the subject an Audio-visual Room with movie projector, epidiascope, gramophone, etc. for the teaching of Audio-visual Instruction which has been introduced as an optional subject for specialisation at the B.Ed. level. During the year materials worth Rs. 3,000 were added to the equipment of the Room.

(3) *Psychological Laboratory* : The Psychological Laboratory of the Faculty is considered to be 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 testing intelligence, aptitude, attitude, achievements and personality. An annexe to the Psychological Laboratory has been fitted up in one of the cellars for the observation of children when they are engaged in free play. The laboratory needs more space for a guidance laboratory, a testing and interview room. A counselling project for university students and others has been worked out. The cost of the equipment of the laboratory is as follows :

Item	*Cost of equipment as on 1-7-1955*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1956*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Psychological Laboratory	32,009-12-3	—	1,459-15-9	33 469-12-0

7. Publications by the members of the staff

The following were the publications of the members of the staff during the year 1955-56 :

(1) Articles or Papers :

S.No.	*Name*	*Title*	*Where Published*
1	Shri D. G. Apte	(a) Plea for Moderation in Education	Bihar Educationist, December, 1955
		(b) Some Observations on the Working of Social Education in India	Educator, December, 1955
2	Shri L. J. Bhatt	(a) Measurement of Ability to Judge Poetry	Education and Psychology, Vol. II, August, 1955
		(b) Diagnostic and Therapeutic Values of Arts	Journal of Education and Psychology, October, 1955

S.No.	Name	Title	Where Published
		(c) Psychology as a Profession—Presidential Address: (43rd Indian Science Congress, Agra, Section of Psychology and Educational Sciences)	Journal of Education and Psychology, January, 1955
		(d) Manas Shastra	Akhand Anand, May, 1956
3	Shri K. S. Yajnik	(a) Religious Education in Secondary Schools: Matter and Approach	Progress of Education, Poona, November, 1955
		(b) Suggestions for the teaching of General Science through Project Method	Progress of Education, Poona, January, 1956
		(c) Towards Multipurpose Schools	Journal of Education and Psychology, January, 1956
		(d) Integration of Extra-curricular activities round the teaching syllabus	Nootan Shikshan, Surat, December, 1955

(2) Books and Brochures:

S.No.	Name	Title	*Name of the publisher with month of publication.*
1	Professor T.K.N. Menon	Report of the Bhopal Workshop on Secondary Education conducted by the United States Educational Foundation in India.	Baroda University Press, June, 1956
2	Professor S. N. Mukerji	(a) History of Education in India (Modern Period)	Acharya Book Depot, Baroda, July, 1955
		(b) Higher Education in Rural India	Acharya Book Depot, Baroda, January, 1956
3	Shri D. G. Apte	Social Education at a Glance	Faculty of Education and Psychology, March, 1956
4	Shri S. M. Divekar	A Comparative Study of Pestalozzi and Gandhiji as Educational Thinkers	Faculty of Education and Psychology, June, 1956

MANSA MEHTA LIBRARY * THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA * UGC

S.No.	Name	Title	*Name of the publisher with month of publication.*
5	Dr. D. M. Desai	A critical study of Primary Education Acts in India	Faculty of Education and Psychology, December, 1955
6	Shri M. M. Shah	Diagnostic Tests in Basic Arithmetic Skills	Faculty of Education and Psychology, March, 1956
7	Shri L. J. Bhatt and Shri M. B. Buch	Job Analysis—A Basic Tool for Guidance and Counselling	Faculty of Education and Psychology, March, 1956 (Under Vocational and Educational Guidance Project, December, 1956)
8	Shri G. P. Bhatt and Shri M. B. Buch	Jobs in a Pharmaceutical Concern	Faculty of Education and Psychology, March, 1956
9	Shri M. M. Shah	अंकगणितना पायाना कौशल्यनी चिकित्सा कसोटी	Faculty of Education and Psychology, March, 1956
10	Faculty of Education and Psychology, Baroda.	(a) First Seminar of Principals of Secondary Schools, Central and Southern Gujarat.	Faculty of Education and Psychology, August, 1956
		(b) काश्मीरना प्रवासे	Faculty of Education and Psychology, January, 1956
		(c) Bibliography for Secondary Teachers	Faculty of Education and Psychology, January, 1956
		(d) Report of the Seminar of the Headmasters of the Surat District at Pardi.	Faculty of Education and Psychology, January, 1956
		(e) Report of Conference of Departments of Extension Services in Training Colleges in Western Zone	Faculty of Education and Psychology, March, 1956
		(f) Secondary Education in other Lands.	Faculty of Education and Psychology, March, 1956

Monthly Newsletter on important events in Secondary Education (for distribution in Secondary Schools)

(3) *Journal of Education and Psychology:*

The Journal of Education and Psychology continued to be published during the year under the editorship of the Dean of the Faculty. An important feature of the issues of the journal published during the year was the significant number of articles contributed by scholars from Europe and America.

8. Literary, Cultural and Other Activities

(1) *Extension Service:*

The Faculty was selected by the Union Ministry of Education as one of the Training Colleges in the country to start Extension Services particularly in the field of inservice training of secondary school teachers. A three year programme costing about two lakhs of rupees sanctioned by the Ministry started its work in the beginning of the year with the Dean as the Director of the Services and Professor S. N. Mukerji and Dr. D. M. Desai as Co-ordinator and Assistant Co-ordinator respectively and with an office establishment. The Services, which was inaugurated by Shrimati Hansa Mehta, Vice-Chancellor of the University, did very useful work and were considered as one of the best among the Extension Departments in training Colleges in the country. It attracted several distinguished visitors among whom were Dr. Champion Ward and Dr. Philip Coombs, the Educational Consultants to the Ford Foundation in India and New York respectively and Dr. John Guy Foulkes, the T.C.M. Educational Consultant to the Ministry of Education. The funds of Extension Services sanctioned by the Ministry of Education are provided by the Ford Foundation and the Technical Co-operation Mission of the U.S.A. Among the programmes of the Extension Services were the organising of seminars, workshops, short term courses, refresher courses and study circles in different subjects, holding of educational exhibitions, providing an audio-visual and a library service to schools, publishing of literature on important educational topics and Faculty members playing the role of educational consultants to schools that ask for advice. The Services operated in the whole of South Gujarat from Anand to Bulsar and the programmes were generally held in the schools in different places. The annual meeting of the Extension Departments of the Colleges in the Western Zone in India was organised by the Extension Department of the Faculty and presided over by Professor T.K.N. Menon, who had been appointed Convener by the Ministry of Education.

(2) *Vocational and Educational Guidance Projects:*

The research project on Vocational and Educational Guidance sanctioned by the Government of India under Scheme 2 (a) of the First Five Year Plan of Educational Development received Rs. 7,600 as grant-in-aid during the year. Shri J. A. Bhagatwala and Shri M. B. Buch 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 Intelligence Test Form No. I and No. II.
2 Diagnostic Test in Basic Arithmetic Skills.
3 Minnesota Manual Dexterity Test.
4 Minnesota Paper Form Board Test.
5 A Psychological Test for New Entrants to the University.
6 Revision of Berneuter's Personality Inventory.
7 Adaptation of Progressive Matrices.
8 Indexing of Occupational Information.

(3) *Rural Education Project:*

The Government of India sanctioned during the latter part of the year a project of Rural Education under scheme No. 6 of Five Year Plan on Educational Development and sanctioned a non-recurring grant of Rs. 22,600 and a yearly recurring grant of Rs. 6,040 subject to $33\frac{1}{3}\%$ contributions being made jointly by the State Government and the University. The Faculty selected Ranoli as the centre of this project. The project aims at utilising the technical skill of the members of the Faculty, the teachers under training and their learning situations to the education and welfare of school pupils and adults in the village. The Faculty made a study of the educational requirements of the village, arranged for some of the equipments and outlined the programme of work. The regular work according to the programme planned is to commence from the next official year.

(4) *Regional Seminar on Secondary Education* :

On a request made by the Government of Bombay, the University permitted the Faculty to hold from the 22nd September, 1955 to the 14th October, 1955 the Regional Seminar of Headmasters and Educational Inspectors from the States of Bombay, Saurashtra and Kutch to explore ways and means of implementing the recommendations contained in the Report of the Indian Secondary Education Commission. The Seminar,

which was sponsored by the Ministry of Education, Government of India, was attended by 55 Headmasters and Educational Inspectors from the three States and had as its Directors, Professor T. K. N. Menon, the Dean of the Faculty and Professor S. A. Rauf, the Principal of the Secondary Training College, Belgaum. Besides lectures and discussions by more than ten educationists, the Seminar studied the following problems and prepared elaborate reports on the same.

(a) Selection, preparation and training of teachers in subjects like Commerce, Agriculture, Engineering, Home Science and Fine Arts including Music.

(b) Reforms of examination and evaluation in secondary schools including the S.S.C. Examination and the maintenance of cumulative records.

(c) Freedom in secondary schools to experiment with new methods and syllabus. Reduction of administrative routine to enable Headmasters and Inspectors to do more academic work.

(d) An examination of the new secondary school syllabus prescribed by the Bombay Education Department and S.S.C. Examination Board with a view to facilitating its easy implementation with modifications if necessary.

(e) Physical education, and co-ordination of co-curricular activities.

(f) Organisation of community life in schools.

(g) Inspection as it is and as it should be.

The Seminar was inaugurated by Shrimati Hansa Mehta, Vice-Chancellor of the University, and its concluding Session was presided over by Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India.

(5) *Seminar on Indian Philosophy of Education and Indian Contribution to Psychology* :

A three day Seminar on Indian Philosophy of Education and Indian Contribution to Psychology was organised by the Faculty on the 28th, the 29th and the 30th June, 1956 under the auspices of the University. It was attended by over twenty five persons consisting of experts and scholars in Philosophy, Psychology, Education, Sanskrit and Oriental Studies. Dr. Indra Sen of the Aurbindo Ashram, Pondicherry, directed the Seminar. The report of the Seminar is being printed for distribution among the Universities in the country. The members of the Seminar congratulated

the University and Shrimati Hansa Mehta who took a keen interest and participated in the discussions of the Seminar for undertaking this pioneering work in a neglected, but important field of knowledge.

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

(a) The Department of Psychology continued to co-operate with the T.A.I.R.O. in its programme of training within Industry. Two courses were conducted in Shri Niranjan Mills and the Office of the Textile Club. Classes on Productivity Project under the T.W.I. scheme were conducted in the Faculty by the foreign experts Dr. Hyfish and Dr. Blooks. A symposium on Human Factors in Industries was held in the Faculty under the T.W.I. scheme with the Vice-Chancellor presiding and experts in different branches participating.

(b) The Department of Psychology assisted the Gujarat Research Society which requested its aid in making an intellectual survey of the Gamits and Naikadas in Chikhali and Songadh in Surat District. Shri T. P. Lele and two Research Assistants of the Department were engaged in this work.

(c) Shri N. N. Shukla administered a University Entrants Test that is being standardised under the Government of India Research Project of Educational and Vocational Guidance to all the applicants for the Preparatory Classes in Arts, Science and Commerce.

(d) Shri L. J. Bhatt and Shri N. N. Shukla administered the clerical test that is being worked out under the same project mentioned above for the selection of clerks in the University.

(7) *Third All India Seminar on Educational and Vocational Guidance*:

The Seminar was held on the 5th, the 6th and the 7th February, 1956 in the Faculty. The Directors of the Guidance Bureaus, research workers in the field of guidance and the representatives of the University departments of Psychology participated in this Seminar. A complete and thorough survey of the guidance activities was made on these three days and the definite directives were drafted on the problems of training of teacher counsellors, test-construction and the techniques other than testing. An All India Vocational and Educational Guidance Association was also formed, one of the functions of the Association being publishing of the Journal of Vocational and Educational

Guidance. Professor T. K. N. Menon and Dr. H. P. Mehta were appointed as Editors and Shri L. J. Bhatt and Professor B. Krishnan of Mysore University as the Secretaries of the Association.

9. Co-curricular activities:

(1) Faculty Club:

(a) The Faculty Club organised periodical lectures and discussions on educational topics by educationists and elocution competitions;

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

(c) celebrations of Gandhi Jayanti, Tagore Jayanti and other days of National importance;

(d) excursions of students to Kashmir, Chandod, Vallabhvidyanagar and Ajwa;

(e) variety entertainment programme and social evenings;

(f) participation in University debates, entertainments and competitions.

(2) Psychological Society:

The Psychological Society (organised by the members of the staff and the students of the Department of Psychology) carried out on every Saturday during the week a useful programme of reading of papers, lectures and discussions of problems of psychology which have a bearing on present day life. The Society also arranged programmes of entertainment and an excursion to ATIRA, Ahmedabad.

(3) 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 collected during the year the necessary data to prepare a directory of all old students.

(4) Science Teachers' Club:

The Faculty organised during the year the Science Teachers' Club which is composed of Method Masters in Science of the Faculty, the Science Teachers of Secondary Schools in Baroda and the graduate teachers

who are specialising in the teaching of science in this Faculty. The Club organised (a) seminars on the new syllabus in the different branches of Science in secondary schools, (b) exhibition on the new subject of General Science and (c) excursions to a Glass Factory and a Pharmaceutical works and a Paper Mill. The club also discussed important problems in teaching of science in the context of the new syllabus prescribed for secondary schools.

10. Tutorial and Class Work

(1) Tutorials:

During the year, further improvements were made to the tutorial work of the Faculty. A new Record Card was introduced which provides for recording of the details of his achievement in studies, his co-curricular and other activities and also his interests and attitudes. The card also provides for recording the candidates' scores in tests for general intelligence, social intelligence and personality. While assessing the performance of candidates in class work, special attention is paid to details like (a) library reading, (b) participation in academic and general discussions during tutorial periods, (c) performance in fortnightly essays, (d) results of periodical tests, (e) result of the terminal examination and (f) general behaviour and participation in social functions. The candidates meet their tutors at least once a fortnight and discuss in details with them their curricular, co-curricular and personal problems. The contact between the candidates and the teachers are maintained on an intimate and effective level.

(2) Practice Teaching and Field Work:

A system of off-campus practice teaching and field work was introduced in teacher training during the year. According to this after a preliminary period of practice teaching in the city schools, the teachers under training have a period of internment for a period of two to three weeks in different schools in Gujarat where they work as regular teachers. During this period of apprenticeship they work under the supervision of a member of the staff of the Faculty deputed for the purpose and the Headmaster of the school and have a rich programme of work consisting of teaching, attendance at demonstration lessons given by selected teachers, participation in staff meetings and conferences, arranging of excursions and cultural programmes and participation in all other activities of the school. The

secondary schools at Avidha, Jhagadia, Borsad, Anand, Sinor, Sankheda, Mandala and Kathor were used for the off-campus practice teaching and field work. The purpose of the preliminary practice in the city schools is to give the candidate the fundamental knowledge necessary to teach, while the off-campus internment provides training under natural normal settings. It gives satisfaction to note that this new approach to practical work for teachers under training is accepted by the Ministry of Education and recommended by them for adoption by other Training Colleges.

11. Visitors and Lecturers

Among the distinguished visitors to the Faculty during the year were the following :

1 Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India.
2 Shri K. M. Munshi, Governor, Uttar Pradesh.
3 Dr. Jivraj Mehta, Finance Minister, Bombay State.
4 Dr. C. E. Brehm, President, University of Tennesse.
5 Dr. C. Gilpatrik, Director, Humanities Division, Rockefellor Foundation.
6 Dr. F. C. Ward, Educational Consultant, Ford Foundation, India.
7 Dr. Philip Coombs, Educational Consultant, Ford Foundation, New york.
8 Dr. John Guy Foulkes, Educational Consultant, to the Ministry of Education, Government of India.
9 Dr. M. Mujeeb, Vice-Chancellor, Jamia Millia Islamia, Delhi.
10 Dr. J. G. Bruton, Educational Consultant, British Council, India.
11 Dr. C. Strom, Unesco Expert in Vocational and Educational Guidance.

Bharat Ratna Dr. S. Radhakrishnan, Dr. F. C. Ward, Mr. Bruton and Dr. M. Mujeeb delivered lectures while Dr. John Guy Foulkes, Dr. Philip Coombs and Dr. C. Strom, held Seminars in the Faculty.

12. Other Important Events

(1) Training in U.S.A. in Modern Techniques of Examinations and Evaluation :

Shri T. P. Lele and Dr. D. M. Desai of the Faculty were two of the team of four persons selected by the Ministry of Education from Training Colleges in India to proceed to U.S.A. for a period of six months for a

training in the modern techniques of examination and evaluation. Their programme included study and discussions at the Educational Testing Service, Princeton and four Universities in U.S.A.

(2) Seminar on Research in Training Colleges :

Professor T. K. N. Menon was appointed as the Director of Seminar on Promotion of Research in Training Colleges organised by the Union Ministry of Education at Ootacamund from the 6th to the 10th June, 1956. Dr. T. V. Srinivasiah was also invited to attend the Seminar.

(3) Research Fellowship in Psychology at the University of Wisconsin :

Shri A. S. Patel, Junior Lecturer of the Faculty, who is undergoing advanced studies in Psychology at the University of Wisconsin, was awarded a Research Fellowship by the University. He has obtained the M. S. Degree of Wisconsin.

(4) Presidentship at the Section of Psychology in the Indian Science Congress :

Shri L. J. Bhatt, Senior Lecturer of the Faculty presided over the meetings of the Section of Psychology and Educational Science of the Indian Science Congress held at Agra in January, 1956. Dr. (Shrimati) P. Phatak was also deputed to attend the meetings.

(5) Attendance at All-India Seminars :

Professor T. K. N. Menon was invited by the Union Ministry of Education to attend a Seminar of experts convened by the Ministry at Bhopal to advise on examination reform in secondary schools and also direct one of the three Sections of the Seminar. Shri L. J. Bhatt was invited to attend the Seminar on Guidance in Multipurpose Schools convened by the Ministry of Education at Ootacamund in June, 1956 and Shri S. C. Parikh was deputed to attend the Ministry of Education Seminar on the Teaching of Science in Higher Secondary Schools held at Simla in July, 1956.

(6) Chancellor's Medal :

The Chancellor's Medal for 1955-56 was awarded to Shri G. P. Bhatt, for obtaining the highest marks at the M.Ed. degree examination.

(7) Indian Council of Medical Research :

Professor T. K. N. Menon was nominated as a member of the Advisory Committee on Mental Hygiene and Dr. T. V. Srinivasiah, a member of the Committee of Experts on Test Construction of the Committee of the Indian Council of Medical Research.

(8) General Education Programme :

The General Education Programme of the University for the year 1955-56 was organised by Professor S. N. Mukerji.

(9) Deputation of Unesco Fellow for Training in the Faculty :

The Ministry of Education deputed Mr. Samuel Hill, Unesco Fellow in Education from Nigeria to the Faculty for training for a period of one month.

(B)—UNIVERSITY EXPERIMENTAL SCHOOL

1. Building

The School continued to be housed in the ground floor of the building of the Faculty of Education and Psychology. The School has a Workshop for carpentry, a Canteen and an Open Air Theatre. The School has an excellent open space for sports, and land for children's kitchen garden.

2. Courses of Studies

The School has two sections *viz.* Primary from standard I to IV and high school from 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 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 optional subjects like Art, Needlework, Embroidery, Music, Civics and Hindi. Gardening is taught as an additional subject to other classes.

3. Number of students

The total number of pupils in the School at the end of the year was 216 boys and 168 girls : total 384.

4. Staff

The staff consisted of the Principal, 16 teachers, 1 Art Master, 1 P.T. Instructor, 1 Craft teacher, 2 part time Music teachers and 3 Class III and 6 Class IV servants.

5. Library and Reading Room

The school has a well-equipped library with study facilities. To its stock of 7,856 books in the beginning of the year, were added 2,700 books at the cost of Rs. 4,100 out of which Rs. 2,900 were met from the Ancilliary grant sanctioned by the Education Department to the School during the year. The School continued to subscribe for 27 journals and periodicals. About 300 children made use of the books and about 4,000 books were in circulation during the year. 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 Baroda Central Library and the University Library together 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 and give incentive to the inculcation of reading habits in children. Children prepare book and periodical reviews and read them before the School Assembly.

6. Other activities by the members of the staff

(1) *Study Circle and Staff Seminars* :

On every Saturday discussions were held on day-to-day problems of teaching, or papers were read on educational topics, or books and periodicals were reviewed.

(2) (a) Principal K. S. Yajnik piloted a Seminar on Cumulative Records at Pardi and another on Examination Reforms at Baroda. He was invited by the Surat District Teachers' Association at Gandeca for a discussion on ' Experiments in Schools ' by the Kaira District Teachers' Association at Nadiad for a discussion on ' Examination reforms and promotion rules ' by the Extension Services Department, Ahmedabad, at Patan for a discussion on ' Project Method, Uses of Library in Schools and Modern trends in the teaching of History and Geography.' He also piloted two publications of the Extension Services Depart-

ment, Baroda *viz.* (i) A Cumulative Records in Schools, (ii) Planning of Project, based on the work done in the School.

(b) Kumari B. D. Mehta and Principal K. S. Yajnik gave talks on Secondary School Libraries in the Library course conducted by the Extension Services Department, Baroda.

(c) Shri J. J. Patel was selected to participate in the All India Audio-Visual Conference at Delhi on behalf of the Bombay State.

7. Publication by the members of the staff

The following were the publications of the members of the staff during the year :

Articles or papers :

S. No.	*Name*	*Title*	*Where published*
1	Shri A. J. Desai and Shri J. J. Patel	All about water—a new way	Education Quarterly, September, 1955. (Ministry of Education, Government of India)
2	Kumari B. D. Mehta	(a) Towards Cumulative Records	Secondary Education Bulletin, April, 1956. (Ministry of Education, Government of India)
		(b) Reading Tests of Children	Shikshana Sadhana, April, 1956.
3	Principal K. S. Yajnik	(a) Religious Education in Schools	Progress of Education, Poona, December, 1955.
		(b) Suggestions for the teaching of General Science	Progress of Education, Poona, January, 1955.
		(c) Modern Trends in the teaching of History and Geography	Mentor, Department of Extension Services, Ahmedabad, January, 1956.
		(d) Towards Multipurpose Schools	Journal of Education and Psychology, January, 1956.
		(e) Integrated programme in Social and Cultural Activities	Nootan Shikshan, Surat, December, 1955.

8. Special features of the year

(1) With a view to encouraging the spirit of team work, art, excursions, visits, library and the use of laboratory and enriching the curricular studies in children the following projects were undertaken during the year :

S. No.	*Subject*	*Topic*	*Class*	*Guide*
1	General Science	Study of Water	VIII	Shri A. J. Desai and Shri J. J. Patel
2	English	Types of Literature	IX	Kumari B. D. Mehta
3	Geography	Kharif Crops of Gujarat	VIII	Kumari R. M. Tachakara
4	Geography	Industries of India—Glass, Cotton, Cement	X	Shri D. V. Kharod
5	Science	Grow More Food	VII	Shri J. J. Patel
6	Gujarati	Our Celebrations	VI	Shri M. M. Desai
7	Geography	Natural Regions of the World	XI	Shri K. S. Yajnik
8	Mathematics	How Bank Works	IX	Shri A. J. Desai
9	Hindi	Revision Project on the Year's Work	X	Shri N. P. Parikh
10	Gujarati	Revision Project on the Year's Work	IX	Shri K. S. Yajnik
11	Science	Revision Project	VII	Shri J. J. Patel

(2) *Social Studies and Citizenship Education* :

The School follows a syllabus in Social Studies framed by its staff. It is an integrated study of History, Geography and Civics for VIII, IX and X classes in the Experimental School.

The syllabus is supplemented by participation of children in the organisation of school activities through an elected Samiti where current topics are discussed. A few of the topics discussed during the year are as follows :

No.	*Problem*	*Class*	*Guide*
1	The Goa Problem	X	Shri K. S. Yajnik
2	Vana Mahotsava	VII	Shri J. J. Patel
3	Atom Bomb	X	Shri A. J. Desai

No.	*Problem*	*Class*	*Guide*
4	First Five Year Plan	X	Shri D. V. Kharod
5	Second Five Year Plan	XI	Shri D. V. Kharod
6	Free India's Stamps and Coins	VIII	Shri J. J. Patel
7	Re-organisation of Indian States	IX	Kumari R. M. Tachakara

Local surveys were also undertaken by children in groups.

(3) Group Compositions :

The School successfully experimented on group compositions. A panel of subjects was set to the class. The classes then divided themselves into groups of five to six with at least one good student in each group to serve as a guide. The group discusses the subject. The teacher supervises and guides the work. The composition work showed fewer mistakes and more sincere effort on the part of pupils and therefore, more originality.

(4) Evaluation Criteria :

To secure harmony of objectives between school and home, school and pupils, the school has now collected reports on the following subjects to find out how the pupils look at the school and its work :

1 What parents think of the school (Published in ' Home School Magazine ').
2 How pupils look at the school programme of work.
3 Evaluation—Why pupils go on strike.

(5) Examination and Promotion :

In place of annual or terminal examinations the school has periodical tests. Promotions are decided on the strength of (a) periodical tests, (b) oral ability and (c) annual examination.

Emphasis is given in promotions to Home Work, Project work, Arts and Crafts, Hobbies, Social Work Camps, Celebrations, Health etc. Special cases are decided on individual merits.

(6) Cumulative Records :

Cumulative Records are maintained to study the all-round growth of the pupil over several years. After a spade work of three years through record sheets, entries in the Record Card are made. The spade work included training the staff in the technique of observing children, use of sociograms, reading tests, interest tests, personality rating etc. Cumulative

Records touch four important areas of pupil development *viz. Intellectual*—through studies, *Physical*—through games, *Artistic*—through interest in Arts, Crafts and Hobbies and *Social*—through the study of adjustment problems and pupil's participation in camps and group activities.

The Cumulative Record is supported by the following documents :

(a) Parents Report, (b) Pupils' Autobiography, (c) Sociogram, (d) Reading Test, Interest Test and I. Q., (e) Anecdotes.

9. Co-curricular Activities

(1) *Health Service* : Besides Physical Education and games it included regular medical inspection by specialists, discussions with parents, follow-up work where necessary, first aid, free tonics and vitamins to needy and deserving children, provision for refreshment and milk.

(2) Visits to fields, factories, museums etc. were arranged.

(3) Bulletins on ' Assignments and Tests, ' ' Promotion Procedure ' and ' Evaluation of Pupils' written work ' were published.

(4) An exhibition of teaching aid for Primary Schools was arranged in November, 1955.

(5) An Exhibition of books for teachers of Secondary Schools of Baroda was arranged in March, 1956.

(6) An exhibition of Hindi and Gujarati books for Middle School teachers was arranged during the Seminar of Teachers organised by the Department of Extension Services of the Faculty in March, 1956.

(7) Cultural Programmes and Celebrations :

The pupils took great interest in Radio Programmes on topics such as stories of Premchand, on Nalanda University and the National Flag. University Experimental Broadcasting Service which is a new activity during the year, broadcasts Children's programme every month. All classes participate and offer programmes including bhajans, folk dances, dramas, news reviews etc. Various classes had about 20 film-shows on subjects of Science, History and Geography, literature and entertainment during the year. Besides celebrating and observing occasions like Tilak day, Tagore day, Gandhi Jayanti, Krishna Jayanti or Ganesh Week, the pupils organised an entertain- ment programme for the delegates of the Regional Seminar of Headmasters and Inspectors held at Baroda. The

Annual Social with Shrimati Hansa Mehta, Vice-Chancellor, as the Chief Guest was a fitting culmination of the year's cultural activities.

(8) Social Work :

(a) A. C. C. cadets of the School participated in the Bombay Social Work camp at Aarey Milk Colony and another at Waghodia.

(b) Primary Section children visited the Harijan Bal Mandir and invited its students to the school during Ganapati Festivals. They collected and donated clothes for Harijan children.

(c) The School organised in October, 1955 a Social Work Camp at Nizampura near Baroda with a full day's programme of mending roads, white washing inns and temples, doing harijan work, organising exhibition of books and apparatus for the Primary school of the village, film-shows and cultural programme etc.

(9) *Excursions* :

Study-cum-picnic excursions were organised for primary classes to Mahisagar and Makarpura, for middle school classes to Pavagadh, Shivrajpur and Itola. Students of higher classes for their study projects visited Atul Products and Parnera (Bulsar), Barejadi Paper Mills, Ahmedabad Cotton Mills and Alembic Glass Works, Baroda.

A tour to South India was arranged during the year during which pupils visited in 25 days about 20 places of historical and cultural importance, centres of industries, ports and chief cities, and studied flora and fauna of India, south of Bombay.

10. Other noteworthy events

(1) The children participated in the Children's Drawing Competition organised by Shanker's Weekly, New Delhi.

(2) In October, 1955 pupils participated in Bombay State National Sports and Kumari Prabha Parikh and Shri A. M. Chauhan won prizes.

(3) The Garba party of the School participated in the Bombay State Garba Competition and won a prize.

(4) The School participated in the University Week Competitions of Songs, Drama and Garbas and won three prizes.

(5) Pupils participated in the Madhyastha Krida Mandal Sports and University Week Sports and won prizes.



Students of University Experimental School at Jog Falls.

(6) 32 pupils appeared as Shista Vanchan examination organised by the Central Library, Baroda and all passed, the first one getting the prize.

(7) 49 pupils appeared at various Hindi examinations out of them 32 passed.

(8) 20 children appeared at Drawing examination of the Government of Bombay and out of them 10 passed.

(9) Three essays in Hindi, English and Gujarati were submitted for the essay competitions of the Humanitarian League, Bombay, and one of them won a prize.

(10) 93 pupils appeared for the First Aid Examination of the Red Cross Society and out of them 87 passed.

CHAPTER XI—FACULTY OF COMMERCE

1. Building

The Faculty of Commerce occupies the Western Wing of the Baroda College building. It has three lecture halls for use for compulsory classes and four small halls for the use of classes in Optional subjects. These small halls when not required by the Faculty are also used by other Faculties. Out of the two halls newly erected, one hall is used by the preparatory Commerce Class.

2. Courses of Studies

The Faculty prepares students for the B.Com. and M.Com. degrees, Post-graduate Diploma in Banking and Under-graduate Diploma in Co-operation examinations.

3. Number of students

The number of students enrolled in the various classes at the commencement of the year 1955-56 was an under :

Class	*Men*	*Women*	*Total*
(1) Dip. in Co-op.	35	—	35
(2) Jr. B.Com.	93	1	94
(3) Sr. B.Com.	88	2	90
(4) Jr. M.Com.	13	—	13
(5) Sr. M.Com.	5	—	5
(6) Dip. in Banking	8	—	8
	242	3	245

4. Staff

During the year, staff of the Faculty consisted of 1 Professor, 4 Readers, 1 Senior Lecturer, 4 Junior Lecturers, 2 Tutors and 2 Part-time Teachers. Teaching work in English is done by two Senior Lecturers and one Junior Lecturer in English of the Faculty of Arts. Work in Statistics is done by a Junior Lecturer in Statistics of the Statistics Department of the Faculty of Science.

Close co-ordination has been established between the teaching staff of the Economics departments of the Faculty of Arts and of the Faculty of Commerce. Two teachers in the Economics department of the Faculty of Arts took classes in the Faculty of Commerce and four teachers of the Faculty of Commerce took classes in the Faculty of Arts. Teaching work of the Intermediate, B.A., B.Com., M.A. and M.Com. classes is shared by the two Faculties. In addition, four members of the Faculty of Commerce have teaching work in the Faculty of Technology and Engineering.

Professor C. N. Vakil, Director, School of Economics, University of Bombay, delivered five lectures on various aspects of 'Mixed Economy' on the 4th, the 5th and the 6th January, 1956 as a Visiting Professor for the Faculties of Arts and Commerce jointly. Professor C. N. Vakil also delivered a public lecture on 'Unemployment and small scale Industries' on the 6th January, 1956.

Shri T. D. Kansara of the Bank of India, Bombay, delivered five lectures to the students of the Post-graduate Diploma in Banking on the 18th, the 19th and the 20th February 1956 on Foreign Trade Finance and Balance sheets study.

Five lectures were delivered to the students of the Post-graduate Diploma in Banking by Shri R. B. Shah, Manager, United Commercial Bank Limited, Calcutta, on the 6th, the 7th, the 8th and the 9th March, 1956 on 'Management on Banks Funds.'

Shri V. C. Patel, Chief Accountant, Central Bank, Bombay, gave some lectures in the session 1955-56 to the Diploma students on the various aspects of Banking practice.

The following persons from the Bank of Baroda gave talks to the students of the Post-graduate Diploma in Banking.

	Name	*Subject*
1.	Shri G. C. Basu	Bank Administration. Bill Market Scheme.
2.	Shri M. R. Randive	Proposals for advances.
3.	Shri G. S. Pathak	Current, saving and term deposits.
4.	Shri P. V. Shah	Foreign Exchange.

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 in the reading-room and the library and the number of books issued to them is given below :

Sr. No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and the Reading Room daily	70
2.	Average number of teachers making use of the Library and the Reading Room daily	30
3.	Total number of books issued to students during the year	6,300
4.	Total number of books issued to teachers during the year	9,000

The following figures show the stock of books and the expenditure incurred on the maintenance of the Library and the Reading Room during the year 1955-56 :

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1955	8,756	52,790- 0-0
2.	Books written off during the year	48	254-10-0
3.	Books added during the year	297	2,746-11-0
4.	Books as on 30-6-1955	9,005	55,282- 1-9
5.	Journals subscribed during the year	51	1,250- 0-0
6.	Amount spent on binding during the year	125	250- 0-0
7.	Total amount spent for Library and Reading Room during the year	—	4,246-11-9

6. Publications by the members of the staff

The following were the publications by the members of the staff during the year 1955-56 :

(1) Articles or Papers :

Name	*Title*	*Where published*
Professor V. Y. Kolhatkar	Universities and Co-operative Education	Seminar on Co-operative Education and Training, Baroda

Name	*Title*	*Where published*
Dr. V. Sunder Rajan	Co-operative Education	Seminar on Co-operative Education and Training, Baroda
	Co-operative Credit	Conference of the Indian Society of Agricultural Economics, Bombay
Shri B. G. Shah	Role of Universities in Co-operative Education	Seminar on Co-operative Education and Training, Baroda
The Planning Forum	The Second Five Year Plan-a critical note	Conference of the Planning Forums, New Delhi.

During the year the Faculty completed the survey of the effects of Tenancy Legislation in the Baroda District and submitted the final report to the Secretary, Research Programme Committee, Planning Commission, New Delhi. The joint scheme of research in Rural Incomes and Savings and in Rural Capital Formation as sanctioned by the Research Programme Committee is now being conducted. Field work is nearing completion. The critical note on the Second Five Year Plan submitted by our Planning Forum to the Planning Forums Conference was greatly appreciated by the Conference which was held on the 14th and the 15th April, 1956 at New Delhi. Our Planning Forum met several times and discussed the report in great detail.

7. Literary, Cultural and Other Activities

Seminar on Co-operative Education and Training

The members of the staff and students took active part in the Seminar on Co-operative Education and Training. Dr. Sunder Rajan and Shri B. G. Shah acted as Secretaries of the Seminar which was jointly organised by the M. S. University of Baroda and the All India Co-operative Union. The Seminar was attended by Shri V. L. Mehta, Vice-Chairman, State Bank of India, Shri B. V. Venkatappiana, Mr. Rayan from the Reserve Bank of India and Shri S. T. Raja, Joint Secretary of the Ministry of Food and Agriculture, New Delhi. A number of representatives of the Co-operative Institutions and other bodies attended the Seminar. Shrimati Hansa Mehta, the Vice-Chancellor inaugurated the Seminar and the Vice-Chancellor of the Bihar University presided.

8. Co-curricular Activities

(*1*) *Lectures*:

During the session the following persons addressed the students of the Faculty on subjects mentioned against them :

	Name	*Subject*
1.	Shri V. L. Mehta	Co-operative Banking
2.	Shri Pravinchandra Gandhi	Banking Developments in India
3.	Professor Koblitz	Problems of Bank Administration
4.	Shri S. T. Kothari	The Geneva Conference of Heads of State
5.	Professor Maddick	Problems of Nationalised Industries
6.	Professor Wotinsky	World Economic Trends
7.	Shri Chingappa	Co-operative Education and Training
8.	Professor S. V. Kogekar	Problems of Political Democracy in India

In addition, discussions were held on the following topics :

Topics	*Main Speaker*
Rural Credit Survey Report	Shri B. G. Shah
Company Law Reform	Dr. H. L. Dholakia
Tenancy Legislation in the Bombay State	Shri D. K. Shukla

The students organised two debates—one on the 'Nationalisation of Insurance' and the other on the 'Influence of Cinema on Public Morals'.

(*2*) *Educational Tours*:

The students of the Faculty undertook a fifteen days' Educational Tour during the year. They visited Jaipur, Delhi, Agra, Gwalior, Bhopal, Ujjain and Indore.

At Delhi, they visited the Industry Fair organised by the Government of India. Shri K. M. Dharma, Junior Lecturer in Accounts accompanied the students on tour.

The students of the Diploma in Banking class went on a 12 days educational tour in March, 1956 to Tatanagar, Calcutta, Asansol and Chittaranjan. During this period they visited prominent industrial establishment like Tata Iron and Steel Company, Hind Motors Ltd., Texmaco

Ltd., Gagalbhai Jute Mills Ltd., Bata Shoe Factory, Chittaranjan Locomotive Works and a coal mine near Asansol. They also saw the Maithon Dam under construction with its underground electricity generating station, (a part of Damodar Valley Project) situated about 20 miles from Asansol. They were present on the occasion of Holi festival in Shantiniketan.

9. Tutorial and Class Work

During the year students were given four topics in every subject of their study and marks were allotted to the answers out of a maximum of 20 marks. These marks were later added to the marks obtained by them in their papers in the University examination.

10. Other Important Events

Sheth Pranlal Devkaran Nanji kindly persuaded his bank—Devkaran Nanji Bank—to donate a debating trophy for the annual debating competition among the students of all the Commerce Colleges in Gujarat. The Bank has also agreed to donate Rs. 50 every year for prizes for the winners of the competition. Sheth Pravinchandra Gandhi presiding over the Annual Day of the Faculty, announced this donation by the Dena Bank.

CHAPTER XII—FACULTY OF MEDICINE
(A) MEDICAL COLLEGE

1. Building

The College is housed in a building situated in the compound of 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 in the year 1955-56 was as under:

Class	*Men*	*Women*	*Total*
1st year M.B.,B.S.	58	2	60
2nd year M.B.,B.S.	26	3	29
3rd year M.B.,B.S.	59	13	72
4th year M.B.,B.S.	52	8	60
5th year M.B.,B.S.	49	9	58
Post-graduate Degree	51	5	56
Post-graduate Diploma	3	—	3
Total	298	40	338

4. Staff

The staff of the College consisted of 5 Professors, 7 Lecturers, 12 Junior Lecturers, 35 Teachers attached to the allied teaching Hospital and 28 class III and 44 class IV servants.

5. Library and Reading Room

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

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	9728
4	Total number of books issued to teachers during the year	3040

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

Sr. No.	*Particulars*	*No.*	*Cost in Rs.*
(1)	Books (including back numbers of Journals as on 1-7-1955)	4098	66,786- 9-0
(2)	Books written off during the year	—	—
(3)	Books added during the year	457	4,625-13-9
(4)	Books as on 30-6-1956	4555	74,816-14-0
(5)	Journal subscribed during the year	70	3,350- 0-0
(6)	Amount spent on binding during the year	—	54- 8-0
(7)	Total amount spent for Library and Reading Room during the year	—	8,030-15-0

6. Museums, Laboratories, Studios, Workshops etc.

The College museums contain the specimens as under:

(1)	Anatomy (including comparative Anatomy and Embryology)	Models	159
		Specimens	855
		Charts	200
			573
(2)	Pharmacology Drugs (including preparations of various firms)		
(3)	Pathology	Models	7
		Specimens	1608
		Frames	16
(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 1-7-1955*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1956*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1.	Museums	2,94,405	319	560	2,94,646
2.	Laboratories	4,52,214	2,976	28,413	4,77,651
3.	Studio (Artist)	10,150	—	2,513	12,663
	Total	7,56,769	3,295	31,486	7,84,960

7. Literary, Cultural and Other Activities.

Dr. B. K. Anand, Professor of Physiology, Lady Hardinge Medical College, New Delhi, delivered a lecture on ' Higher Nervous Control over Visceral Activity ' on the 20th January, 1956.

8. Co-curricular Activities

(1) The IVth year students were taken on an academic tour to Poona in November, 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 Yeravada, the National Chemical Laboratory and the Queen Marry's Technical School for disabled soldiers, Kirkee, Poona. The University contributed Rs. 600 towards the travelling expenses.

(2) The students of the College participated in the University Week celebrations and Exhibition in December, 1955.

(3) Annual sports of the College were held in January, 1956. The 7th Annual Social was held on the 27th January, 1956. The students organised a variety entertainment programme. Dr. Indubhai Amin, Technical Adviser, Alembic Chemical Works Co. Ltd., Baroda and member of Parliament was the Chief Guest.

9. Tutorial and Class Work

Junior Lecturers are entrusted with the work of Tutorials and proper records are maintained.

10. Other Important Events

(1) Dr. A. N. de Quadros, F.R.C.S. (Eng.), D.P.H. (London) represented the M. S. University of Baroda in the Medical Council of India, New Delhi and was deputed to attend the Conference for Medical Education at New Delhi in November, 1955 with Dr. G. K. Karandiker, M.S., Ph.D., Professor of Pharmacology.

(2) Dr. J. D. Pathak, Professor of Physiology and Dr. G. K. Karandiker, Professor of Pharmacology were deputed by the University to attend the Indian Science Congress at Agra in January, 1956.

(3) Dr. J. D. Pathak, Professor of Physiology and Dr. G. K. Karandikar, Professor of Pharmacology are on the Sub-committees of the Indian Council of Medical Research.

(4) Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India paid a visit to this College on the 13th October, 1955.

(5) In April, 1956 Dr. J. D. Pathak, Professor of Physiology, left for United Kingdom on deputation for higher training under the British Council Travel Grant.

(B) SHETH UJAMSHI PITAMBARDAS AYURVEDIC RESEARCH UNIT

1. Building

The north garden of Rasashala has been extended by 80′×24′. The garden on the south has been well developed to supply a considerable portion of the day-to-day needs of the Rasashala. The laboratory section has been fitted up for experimental work.

2. Staff

During the year the staff of the Unit consisted of 1 Honorary Head, 1 Senior Research Vaidya, 1 Junior Research Vaidya and 4 class III and 5 class IV servants. One Research Fellow on Rs. 150 p. m. net has been appointed in the Chemistry Department from July, 1955 for chemical analysis of Rasashala products. One Research Assistant in Pharmacology is appointed on Rs. 150 p. m. net from April, 1956. One Mali Chhokra is appointed for the development of garden on Rs. 35 net from March, 1956.

3. Library

35 new books are added during the year. The total number of books in the library is 2076 as against 2041, in the last year. 10 journals are also subscribed to.

4. Museum

12 more specimens of fresh medicinal herbs were added during the year to the 38 of the last year making total number of 50 jars of the fresh herbs.

Specimens of crude drugs are arranged according to '*Dashe maniganas*' as stated by '*Charak*'. 329 specimens of crude drugs and metallic substances are added during the year. Thus 500 specimens of crude drugs including metals and animal substances have been arranged in the drugs museum.

The Zandu Pharmacy sent free of charge to the Unit a gift of some specimens of crude drugs and minerals for the museum of the Unit.

5. Research

(1) '*Rasashala*'—Preparation of '*Tamra bhasma*', '*Pittala bhasma*,' '*Jasad bhasma*', '*Raupya bhasma*' and '*Kansya bhasma*' has been

completed. Among the '*Kuppipakwa*' Rasayanas '*Rasasindur*' has been prepared. Clinically useful medicines like the '*Yograj guggul*', '*Maharasanadi Kwath*' and other medicinal powders etc. have been prepared in '*Rasashala*' according to the needs of the research beds.

(2) *Analysis*—Chemical analysis of '*bhasmas*' has been undertaken. One sample of '*bhasma*' from '*Suvarna maukshik*' has been completely analysed in its ore form, '*Shuddha*' form and '*Bhasma*' form. The materials are now sent to the Laboratory of the Podar Ayurvedic College, Bombay, for check-analysis.

(3) *Literary work*: Papers on '*Dwita dwiteeya Agrya Sangraha*' and '*Tantrayukti*' are ready. Papers on '*Grahani*' and '*Prameh*' (prepared last year) have been supplemented by '*Chikitsana Ansho*'. Notes on '*Kushta*' and '*Vrukka Shodha*' prepared by literary survey, written in the three languages—Gujarati, Marathi and Hindi for publication in '*Bhishag bharati, Ayurvidya,* and *Sachitra Ayurveda*' are sent to the editors of these magazines. Out of these two notes, note on '*Vrukka Shodha*' has already been published in '*Ayurvidya*' and '*Bhishagbharati*' in their issues of June and July respectively. The other critical note on '*Kushta*' will be published in these magazines very shortly.

(4) *Clinical research*: During the year 46 more patients were taken up for clinical research bringing the total research patients to 55. Out of these 55 patients admitted as of research interest, on closer examination 6 were diagnosed as '*Panduroga*', 13 as '*Amavat—Sandhivat*' and 24 as '*Sandhivat*' and were studied. The remaining 12 were also treated.

(5) The comparative study of the effects of '*Lohabhasma*' in the iron deficiency anaemias in children has been taken up by Dr. Sanat Shah. He has been provided with the required quantity of '*Lohabhasma*' prepared by the Unit. Similarly, general actions and the particular effects of '*Nilkanthi*' are being screened and studied experimentally in the laboratory section of the Unit. A chemical analysis of the plant is also undertaken.

(6) '*Prakruti*' research has continued. During the year 64 new students have been examined for determination of '*Prakruti*' and their physiologic norms worked out. The data collected through the work to date are being analysed statistically.

6. Symposiums

In order to evoke scientific discussions on various Ayurvedic topics so that newer research problems may be brought to the Vaidyas' notice, a series of symposium on '*Amavat-Sandhivat*' was arranged through three sessions. The material is now being written for publication.

7. Distinguished Visitors

Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India visited the Unit. Among others who visited the Unit were (1) Kaviraj Pratapsingh, (2) Dr. Pratapkumar Vaidya, (3) Kaviraj S. B. Bhagwat, Deputy Director of Ayurvedic Research, (4) Dr. Y. B. Mate, (5) Dr. R. N. Sakorne, (6) Kaviraj R. K. Paradkar, (7) Kaviraj S. R. Dhulekar, (8) Kaviraj Prabhakar Misra, and (9) Shri L. N. Rajpali, Registrar, Jhansi Ayurvedic University.

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. Buildings

The buildings of the Faculty comprise of the following :

(1) The various laboratories, drawing halls, class rooms, library, rooms of staff members, students' rooms, canteen, Dean's room and office ;

(2) the hydraulics and metallurgical laboratories ;

(3) the gas room ;

(4) the workshop and the textile technology and textile chemistry premises accommodating :

- (a) the workshop comprising the carpentry shop, fitting shop, the lathe shop, smithy, foundry and the furniture room and the workshop office and stores ;
- (b) Heat Engines laboratory ;
- (c) Textile Chemistry department laboratories ;
- (d) Textile Technology department, weaving and spinning machinery sections and testing laboratory.

The construction of a new shed for furniture making in the eastern side of the workshop premises is completed. Also the construction of the boundary wall of suitable height on the eastern side of the workshop premises has been completed. Construction of extending the existing machine and lathe shop sheds of the workshop by one more bey on the southern side for accommodating the welding and advanced fitting section is on hand. The extension of the central hall of the Old Kalabhavan building on the eastern side as also the construction of the assembly hall on the first floor are in progress and are expected to be completed shortly.

The work of laying out a suitable garden in the workshop premises is in progress.

The total cost of all the buildings including the extensions and new constructions made during the year is about rupees twenty-seven lakhs.

2. Courses of Studies

(1) *Post-Graduate Courses* :

Ph.D. in Textile Chemistry

(2) *Degree Courses* :

(a) Course leading to the degree of B.E. (Civil, Mechanical and Electrical Engineering)

(b) Course leading to the degree of B.Text. (Eng.)

(c) Course leading to the degree of B.Text. (Tech.)

(d) Course leading to the degree of B.Arch. (Bachelor of Architecture)

(3) *Diploma Courses :*

Courses leading to the Diplomas in Civil, Mechanical and Electrical Engineering, Textile Chemistry, Textile Technology and Architecture.

A transitory course of a duration of one year for passed Diploma holders in Weaving Technology to qualify for the Diploma in Textile Technology (D.T.T.).

(4) *Certificate Courses* :

Courses leading to the Certificates of Turner and Fitter, Wiremen, Carpentry, Dyeing and Weaving.

(5) *Technical High School Course* :

Courses leading to the examination for the Secondary School Certificate of the 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:			
Second Year	54	—	54
Third Year	50	—	50
Fourth Year	38	—	38
Total :	142	—	142
II Certificate Classes :			
Turner and Fitter :			
First Year	22	—	22
Second Year	17	—	17
Total :	39	—	39

Class	*Men*	*Women*	*Total*
Wireman :	24	—	24
Total :	24	—	24
Dyeing :			
First Year	13	—	13
Second Year	12	—	12
Total :	25	—	25
Weaving :			
First Year	16	—	16
Second Year	15	—	15
Total :	31	—	31
Grand Total :	119	—	119
III Diploma Classes :			
Mechanical Engineering :			
First Year	69	—	69
Second Year	50	—	50
Third Year	71	—	71
Total :	190	—	190
Electrical Engineering :			
First Year	72	—	72
Second Year	34	—	34
Third Year	55	—	55
Total :	161	—	161
Civil Engineering :			
First Year	74	—	74
Second Year	103	—	103
Third Year	65	—	65
Total :	242	—	242
Textile Chemistry :			
First Year	22	—	22
Second Year	19	—	19
Third Year	39	—	39
Total :	80	—	80

Class	Men	Women	Total
Textile Technology :			
Pre-Textile Technology	38	—	38
Textile Technology I Year	36	—	36
Textile Technology II Year	29	—	29
D.T.T. (Transitory)	17	—	17
Total :	120	—	120
Architecture :			
Third Year	26	—	26
Fourth Year	34	—	34
Total :	60	—	60
Grand Total :	853	—	853
IV Degree Classes :			
F.E. (Mechanical)	27	—	27
F.E. (Electrical)	27	—	27
F.E. (Civil)	25	—	25
F. Text. (Engineering)	14	—	14
F. Text. (Technology)	10	—	10
Total :	103	—	103
S.E. (Mechanical)	27	—	27
S.E. (Electrical)	24	—	24
S.E. (Civil)	60	—	60
S.E. Text. (Engineering)	14	—	14
Total :	125	—	125
B.E. (Mechanical)	35	—	35
B.E. (Electrical)	28	—	28
B.E. (Civil)	63	—	63
Total :	126	—	126
T. Text. (Eng.) Total :	5	—	5
B. Arch. First Year	38	2	40
B. Arch. Second Year	52	—	52
Total :	90	2	92
Grand Total :	449	2	451

Class	Men	Women	Total
V Post-Graduate Course :			
Ph.D. in Textile Chemistry	2	—	2
Total :	2	—	2
Summary			
I Technical High School	142	—	142
II Certificate courses	119	—	119
III Diploma courses	853	—	853
IV Degree courses	449	2	451
V Post-graduate course	2	—	2
Total :	1,565	2	1,567

4. Staff

During the year, the staff of the Faculty consisted of 4 Professors, 9 Readers, 12 Senior Lecturers, 17 Junior Lecturers, 1 Assistant Lecturer, 4 Instructors, 1 Part-time Lecturer, 30 Demonstrators and 71 Class III and 58 Class IV servants.

Shri R. Natarajan, Managing Director, Sarabhai Geigy Ltd., Baroda, was invited as Visiting Lecturer from the Faculty grant.

He delivered two lectures on (1) Techniques of Industrial Planning and (2) Dynamics of Industrial Planning on the 28th February, 1956 and the 2nd March, 1956 respectively.

5. Library and Reading Room

The Library was kept open from 8 00 a.m. to 8-00 p. m. In March, April and part of May, 1956, it was kept open upto 10.00 p. m.

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

S.No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and the Reading Room daily	130
2.	Average number of teachers making use of the Library and the Reading Room daily	10
3.	Total number of books issued to students during the year	6,800
4.	Total number of books issued to teachers during the year	760

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1955-56 :

S.No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1955	13,332	1,19,630- 0- 0
2.	Books written off during the year	21	3-13- 0
3.	Books added during the year	1,335	31,014- 5- 3
4.	Books as on the 30-6-1956	14,646	1,50,640- 8- 3
5.	Journals subscribed during the year	47	1,907- 4- 9
6.	Amount spent on binding during the year	—	265-14- 0
7.	Total amount spent for Library and Reading Room during the year (including furniture)	—	36,930- 8- 0

6. Museum, Laboratories, Studios, Workshops, etc.

The following table gives the cost of equipment in the different laboratories, workshops and studios of the Faculty :

Item	*Total cost of equipment as on 1-7-1955*	*Cost of equipment etc. written off during the year*	*Cost of equipment etc added during the year*	*Cost of equipment on 30-6-1956*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Laboratories Workshops and Studios	26,32,187-4-0	16,141-13-2	2,11,485-15-3	28,27,531-3-1

7. Publications by the members of the staff

Articles or Papers :

The following were the publications by the members of the staff during the year 1955-56 :

	Name	*Title*	*Where published*
(1)	Dr. S. M. Sen and Shri R. B. Joshi	Study of a non-linear magnetic circuit	Journal of the M. S. University of Baroda, October, 1955
(2)	Shri S. S. Merh	A note on the Geology of Pawagadh Hill (Panchmahals District)	Journal of the M. S. University of Baroda, October, 1955

8. Literary, Cultural and Other Activities

Literary Association :

The inaugural speech of the Literary Association of this Faculty was delivered by Shri H. N. Nanjudiah, Deputy Chief Adviser, National Productivity Centre, Government of India, under the Presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the University.

Under the auspices of the Association, the following activities were conducted :

(a) Lectures :

	Name of the Lecturer	*Subject*
(i)	Shri H. N. Nanjudiah, Deputy Chief Adviser, National Productivity Centre, Government of India	A series of five lectures on : (i) Handling of materials, (ii) Production, Planning and Control, (iii) Time and Motion Study, (iv) Plant, Layout and Factory Design, (v) Labour and Incentives, The lectures were illustrated with films and were interesting.
(ii)	Professor S. N. Mukerji, Faculty of Education and Psychology	Higher Studies in U. S. A.

(b) Elocution contests :

(i) Shri J. N. Bakshi won the Vice-Chancellor's Debating Trophy and Shri R. J. Mistry was adjudged the second best at the Inter-Faculty Debate organised under the M. S. University Union.

(ii) An Inter-Faculty eloquence contest was held under the auspices of the Association in which Shri R. N. Desai of the Faculty won the first prize. The subject was ' Asians and not Europeans shall control the destiny of the World '. Shri V. Y. Kantak, Dean, Faculty of Arts, presided. Dr. Koblitz, Shri P. C. Hathi and Shri Kisansinh Chavda were the judges.

(iii) A novel feature of a ' Students' Brain Trust' was organised during the first term in which seven students drew four difficulties. Shri R. N. Desai and Shri J. N. Bakshi were the representatives of the Faculty.

(iv) Shri B. G. Karna and Shri K. L. Chandiramani represented the Faculty in a debate on 'Religion has done more harm than good to humanity' organised by the University.

(v) Shri R. N. Desai won the third prize in an extempore speech competition held by the Speakers' Club, Faculty of Arts.

(vi) Shri A. D. Sule and Shri R. N. Desai represented the Faculty at the Inter-Faculty Debate held by the University Committee for debates etc. The subject was the controversial problem facing most of the Indian Universities, *viz.* 'Regional Language as a medium of instruction is detrimental to the interest of the country'.

(vii) The Faculty retained the coveted M. N. Wadia Inter-Faculty Trophy. Incidentally this is the first time that the Faculty has won the Trophy for two consecutive years. Amongst the individual participants, Shri R. N. Desai and Shri R. J. Mistry, the Faculty representatives were declared the second and the third best speakers.

(viii) Unveiling of the photograph of the German Nobel Lauriate Paul Ehrlich and Emil Behring was performed by Shrimati Hansa Mehta, Vice-Chancellor of the University.

(ix) Shri A. D. Sule of the Faculty won the second prize in the extemporate speeches competition held by the Union.

(x) Shri R. J. Mistry of the Faculty represented the University in the Radio debate in English organised by the All India Radio at Bombay and Shri R. N. Desai of the Faculty also represented the University in a similar debate in Gujarati organised by the All India Radio at Ahmedabad.

(c) Students' Chapter, the Institution of Engineers (India):

In addition to other students activities, the Students' Chapter of the Institution of Engineers (India) was established in the Faculty. The object is to create interest among Engineering students in writing articles in subjects of Engineering interest, to discuss the various Engineering problems with outstanding Engineers when they come to the Faculty to give talks on Engineering subjects and to provide facilities to the students to visit places of interest in and around Baroda. The Chapter was inaugurated by Shri K. T. Divecha, President of the Bombay Centre of the Institution.

Being the first year of its existence; it was possible to arrange a few lectures by some outstanding Engineers. Professor P. J. Madan acted as the President and Professor S. M. Sen acted as the Adviser and Treasurer of the Chapter during the year 1955-56.

Under the joint auspices of the Students' Chapter and the Literary Association, Shri R. P. Desai, Superintending Engineer, Northern Electrical Circle, Bombay Electricity Board, Government of Bombay, gave a series of two educative lectures on 'Development schemes in the field of Electrical Engineering in the First and the Second Five Year Plans and some features for Hydro-Electric and Steam Stations'.

(d) Seminars:

The students of the final year Degree and Diploma classes took part in Seminars. The students prepared and read papers on selected themes relating to the subjects of their study and participated actively in the discussions. As many as 137 such Seminars on different subjects were organised during the year.

9. Co-curricular Activities

(1) Excursions and Tours:

The students of B.E. and S.E., S.Text. and T.Text., B.Text. (Eng.), B.Arch. First and Second Years Degree classes and all the final year Diploma classes were sent out on an educational tour to places of particular interest, the period in each case extending upto about 2 weeks.

(2) Socials:

The Faculty's Social Gathering was held on the 9th March, 1956 at the Faculty to give farewell to outgoing students, under the Presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the University.

(3) Sports:

In the annual sports held during the University Week in December, 1955, Kumari Lalita Gore of the Faculty won the first and the second places in practically all the Women's field and track events. She was awarded individual runners' up cup. In the staff events (fast walk for staff over 40 years) Sarvashree C. J. Karamchandani and A. H. Suthar of the Faculty won the first and the second places respectively. In the 100 meters running for staff under 40, Shri S. K. Damle won the second place. In the men's events 1500 meters running, the Faculty won only one prize

in second place. In the Mahajan Cup Foot Ball Tournaments conducted by the Hind Vijay Gymkhana, the Faculty lost against Dogras in the finals and was awarded runner's up cup.

The students of the Faculty participated in Hockey, Badminton, Hu-tu-tu, Kho-Kho, Volley Ball and Tennis in the Inter-Faculty Tournaments and won the championships in Hockey, Volley Ball, Hu-tu-tu and Badminton and Runner's up cup in the Kho-Kho and Tennis.

In the open Badminton Tournaments conducted by the University, Shri Diwanji George of B.E. (Mechanical) class won the championship in Gents' Singles, Gents' Doubles and Mixed Doubles.

In the Inter-University Tournaments in Badminton held at Poona, Shri H. M. Desai (Final Year D.E.E.) and Shri B. V. Desai (B. Arch. First Year) who were selected to play on behalf of the University lost in the first round against Bombay.

In the Inter-University Cricket Tournaments held at Cuttack, Shri H. M. Desai (D.E.E.) and Shri Desai (F. Y. Diploma) were selected to play on behalf of the University.

In the Inter-University Hockey Tournaments held at Madras, Shri C. J. Karamchandani, Junior Lecturer in Mechanical Engineering and Shri E. D' Souza acted as Manager and Captain respectively of the University team.

In the Inter-University Kho-Kho Tournaments played at Bangalore, Messrs Rege and Situt of the Faculty were selected to play on behalf of the University. Kumari Lalita Gore of the Faculty was selected to play for the University at Inter-University Lady's Tournaments in Kho-Kho held at Bangalore and she acted as the Captain of the team.

(4) Exhibition of Educational Films :

The Faculty has a stock of 15 films of various subjects of educational interest and also the strips of 35 mm. films. Every year additional films are loaned for the use from the following organisations :

(a) British Information Services
(b) United States Information Services
(c) Burmah Shell
(d) Visual aids department of Bombay State
(e) Films Division, Government of India, New Delhi.

About 24 interesting films relating to engineering and technological topics were shown during the year at the Faculty.

(5) *Dramatic and Music Association* :

The Association represented the Faculty in the Inter-Faculty Dramatic Competition and efforts were fairly rewarded as the Faculty won a prize in the group Dance.

The students of the Faculty took part in the Drama and the Group Song also.

(6) *Photographic Association* :

The activities of the Association were started with the inaugural address by Professor Markand Bhatt, Dean, Faculty of Fine Arts. A new picture gallery was set up in a prominent central place of the Faculty where a photographic competition and exhibition were arranged during the University Week. Weekly photographs were exhibited on the Association Board which attracted the attention of many.

During the year, the process studio was fully utilised as most of the members brought out a number of enlargements, many of which were displayed in the exhibition.

In the exhibition on Technical Education arranged by the Rotary Club at Bombay, the Faculty Association exhibited about 30 enlarged prints of photos depicting the activities of the Faculty.

An Inter-Faculty Photographic Competition was arranged in the new picture gallery and Sarvashree H. C. Patel, N. N. Amin and E. D' Souza won the first, the second and the third rank respectively.

(7) Co-operative Stores Society :

The Students' Co-operative Stores is entering the fourth year of its career in the Faculty. During the year a considerable number of students took advantage of the Store.

10. Tutorial and Class Work

Attendance at the terminal examination, tutorial periods and tests is compulsory.

The system of giving credit for the 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.

11. Other Important Events

(1) The French Consul for India paid a visit to the Faculty in September, 1955.

(2) Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India, paid a visit to the Faculty in October, 1955.

(3) Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University, paid a visit to the Faculty in November, 1955.

(4) Dr. C. P. Ramaswamy Aiyar, Vice-Chancellor, Banaras Hindu University, paid a visit to the Faculty in February, 1956.

(5) The Fifteenth Conference of Association of Principals of Technical Institutions (India) of which Professor M. S. Thacker, Director, Council of Scientific and Industrial Research, New Delhi, is the President, was held at Baroda, on the 15th, the 16th and the 17th March, 1956 at the invitation of the University. About 60 delegates attended this Conference. The Conference was inaugurated by Shrimati Hansa Mehta, Vice-Chancellor of the University, while the wel-come speech was delivered by Dr. C. S. Patel, Pro-Vice-Chancellor. Shri B. B. Joshi delivered his speech as Chairman of the Reception Committee. The Presidential speech was delivered by Professor M. S. Thacker. All arrangements in connection with holding this Conference were made by the Faculty and the Conference was a great success.

(6) Shri S. K. Damle, a former student of the University and now a Junior Lecturer in Civil Engineering in the Faculty passed the examination of (a) Indian Railway Service of Engineers Class I, (b) Central Engineering Services Class I, (c) Military Engineering Services Class I and (d) C. E. S. Class II conducted by the Union Public Service Commission.

CHAPTER XIV—FACULTY OF FINE ARTS

1. Building

The construction of a two storeyed new block was completed and it was occupied in July, 1955. It accommodates (1) Dean's office, (2) Photography Section, (3) Lithography Section, (4) Printing Section, (5) Wood-carving Section, on the ground floor and (6) Staff Room, (7) Individual Rooms for Professors and Readers, (8) Class rooms for the Post-graduate and Post-diploma students in Painting, Applied Arts, Art Education and Art Criticism and (9) Reading-room and the Library, on the first floor.

The old buildings accommodate (1) Administrative office, (2) Lecture Rooms, (3) Art History Department, (4) Store and Record Room, (5) Ladies' Room in the Pushpabag Bungalow and (6) Applied Arts Studio, (7) Painting Studio, (8) Sculpture Studio, (9) Cellar for Pottery and Ceramics, (10) Bronze-casting Shed, (11) Process and Block-making Workshop, (12) Exhibition Hall, (13) Students' Common Room and Canteen—as individual studios and workshops.

2. Courses of Studies

The Faculty offers the following courses:

(1) Post-graduate courses in (a) Painting, (b) Sculpture, (c) Applied Arts, (d) Art Education and (e) Art Criticism.

(2) Post-graduate Diploma Course in Museology.

(3) Post-Diploma Specialisation Courses in (a) Painting, (b) Sculpture, (c) Applied Arts.

(4) Degree Courses in (a) Painting, (b) Sculpture and (c) Applied Arts.

(5) Diploma Courses in (a) Painting, (b) Sculpture, (c) Applied Arts and (d) Textile Design.

(6) Certificate Courses in (a) Woodcraft, (b) Lithography, (c) Photography, (d) Process and Block-making, (e) Bronze-casting and (f) Pottery.

3. Number of students

The number of students enrolled in the various classes at the commencement of the year 1955-56 was as under:

Class	*Men*	*Women*	*Total*
Certificate Classes			
First Year	6	—	6
Second Year	1	—	1
Diploma Classes			
First Year	3	3	6
Second Year	4	—	4
Third Year	2	—	2
Fourth Year	3	—	3
Degree Classes			
First Year	31	4	35
Second Year	10	—	10
Third Year	5	4	9
Fourth Year	1	—	1
Post-diploma Classes	4	1	5
Post-graduate Classes			
Degree			
First Year	5	—	5
Second Year	3	1	4
Diploma			
First Year	7	2	9
Second Year	5	1	6
	—	—	—
Total:	90	16	106

4. Staff

During the year the staff consisted of 2 Professors, 2 Readers, 2 Senior Lecturers, 4 Junior Lecturers, 2 Honorary Lecturers, 1 Tutor, 2 Demonstrators and 6 Class III and 13 Class IV servants.

The following persons were invited as Visiting Professors during the year from the grant of the Faculty:

Sr. No.	*Name & Address*	*No. of Lectures, Demonstrations*	*Subject*
(1)	Shri B. A. Apte, Bombay	3	Lithography
(2)	Shri M. R. Achrekar, Bombay	2	Portrait
(3)	Shri Nagendra Parmar, Bombay	3	Visualisation
(4)	Shri Haren Ghosh, Calcutta	3	Wood-cut
(5)	Dr. Motichandra, Bombay	3	Registration, Numbering and Cataloguing
(6)	Dr. B. Ch. Chhabra, New Delhi	3	Museum and Democracy
(7)	Dr. C. Krishna Gairola, Dehradun	3	Some good examples of Foreign Museums, museum buildings, services and equipment.
(8)	Shri Prithwish Neogy, Ahmedabad	3	Visual Education-Service & Photography.

Shri V. R. Amberkar, Bombay, was invited as a Visiting Professor to give lectures on History of Arts to the post-graduate students during the year. He visited the Faculty for about a week in November and December, 1955 and January and February, 1956, and gave 8 to 10 lectures during each visit.

Shri K. B. Chavan, Artist, L. V. Palace, Baroda, was also invited as a Visiting Lecturer in Bronze-casting. He covered the following items of the course:

(1) One simple head, (2) One simple composition with coire, (3) One composition with Roman Joints, (4) One sand press casting of letters, (5) One sand press casting of relief.

5 Library and Reading Room

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

S. No.	Particulars	Number
1.	Average number of students making use of the Library and Reading Room daily	25
2.	Average number of teachers making use of the Library and Reading Room daily	6
3.	Total number of books issued to students during the year	206
4.	Total number of books issusd to teachers during the year	225

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

S. No.	Particulars	Number	Cost in Rs.
1.	Books (including back numbers of Journals) as on 1-7-1955	1895	26,243- 5-9
2.	Books written off during the year	—	—
3.	Books added during the year	165	1,792- 4-6
4.	Books as on 30-6-1956	2052	28,035-10-3
5.	Journals subscribed during the year	23	888-11-6
6.	Amount spent on binding during the year	—	296- 0-0
7.	Total amount spent for Library and Reading Room during the year	—	2,977- 0-0
8.	Purchased plates for Painting Department from Udepur (Original Paintings)	43	992- 0-0

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 1-7-1955	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 30-6-1956
1	2	3	4	5	6
		Rs.	Rs.	Rs.	Rs.
	I. Studios				
(1)	Painting	2,485- 0-0	—	124- 6-3	2,609- 6-3
(2)	Sculpture	13,136-13-6	—	189-13-9	13,326-11-3
(3)	Applied Arts	1,725- 0-0	—	618-11-6	2,343-11-6

1	2	3	4	5	6
	II. Laboratories and Workshops				
(1)	Woodcarving	1,967- 0-0	—	61- 0-0	2,028- 0-0
(2)	Process	8,225- 0-0	—	2,470-13-3	10,695-13-3
(3)	Lithography	4,010- 0-0	—	473- 0-0	4,483- 0-0
(4)	Photography	3,797- 8-0	—	624-10-0	4,422- 2-0
(5)	Etching	4,450- 0-0	—	—	4,450- 0-0
(6)	Bronze-casting	3,000- 0-0	—	4,465-12-9	7,465-12-9
(7)	Printing	214-12-3	—	1,364- 8-9	1,579- 5-0

7. Literary, Cultural and Other Activities

(1) A series of Extension Lectures was delivered by Shri L. B. Shastri, Honorary Lecturer in Aesthetics during the year as follows :

Sr. No.	Subject	Date
(a)	Upanishads	3-9-1955
(b)	Six Darshanas or Systems of Indian Philosophy	22-9-1955
(c)	Mahabharata	6-10-1955
(d)	Ramayana	24-11-1955
(e)	Classical Sanskrit Literature : (1) Bhan (2) Shudrak	8-12-1955
(f)	Classical Sanskrit Literature : Kalidasa	5-1-1956
(g)	Classical Sanskrit Literature (4) Bana (5) Bhavabhuti and others	19-1-1956
(h)	Sanskrit Poetics, Soul of Poetry, Rasa	2-2-1956
(j)	Sanskrit Poetics, Soul of Poetry and other views	16-2-1956

(2) The Artist Member of the Chinese Cultural Delegation gave a demonstration on the 'Chinese Methods of Painting' on the 5th February 1956.

8. Co-curricular Activities

(1) Study Tour :

During the year a study tour was taken to Madras, Mahabalipuram etc. The tour lasted for 15 days *i.e.* from the 12th December,

1955 to the 26th December, 1955. All the students did sketches and monochrome and coloured photographs of important sculptures for the use of the Faculty.

(2) Exhibitions :

(a) An exhibition of the Paintings of the artists from Pondicherry Ashram was held on the 3rd July, 1955.

(b) An exhibition of American Paintings was held from the 22nd August to the 28th August, 1955 under the auspices of United States Information Service, Bombay.

(c) An exhibition of the works of the students was held during the Annual Convocation *i.e.* on the 12th October, 1955.

(d) An exhibition of the works of the students was held on the 5th December, 1955 at the time of the visit of his Excellency Dr. Harekrushna Mahtab, Governor of Bombay.

(e) An exhibition of the works of the students was arranged during the University Week *i.e.* from the 5th to the 12th December, 1955.

(f) The exhibits of the students' works were displayed at the All India Khadi and Village Industries Exhibition at Surat from the 6th to the 13th April, 1956.

(g) The students' works were also exhibited by Saurashtra Kala Mandir, Jamnagar, on the 6th May, 1956.

(3) *Debates and discussions :*

(a) A debate was held on the 'Modern Artist requires more eloquence than skill in order to be a Success' on the 24th September, 1955.

(b) A discussion on a picture 'Mother and Child' of Shri Jyoti Manibhai Bhatt was held on the 28th January, 1956.

(4) *Demonstration :*

A one-man show of the works on 'Nail Art' of Shri M. N. Parikh, a well-known Nail Artist of Gujarat, was held on the 6th February, 1956.

(5) *Film Shows :*

(a) A film on 'World Youth Festival' was shown on the 11th July, 1955.

(b) The following films were shown on the 8th August, 1955 :

(i) Le Douanier Rousseau VA
(ii) Bourdelle V.F.
(iii) Images Gothiques V.F.
(iv) Ces Genes du Nord V.F.

(c) The following films were shown by the United States Information Service, Bombay, on the dates mentioned against each :

(i)	American Art	24-8-1955
(ii)	American Life	25-8-1955
(iii)	American Art and Life	26-8-1955

(6) Celebrations :

The following functions were organised during the year :

(a) Tagore Jayanti
(b) Anniversary of Abanindranath Tagore
(c) Anniversary of Dr. Anand Commarswamy
(d) Dashera Festival
(e) Holi Festival
(d) Final Year Students' Out Going Party

9. Other Important Events

(1) Distinguished Visitors :

(a) Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India, visited the Faculty on the 12th October, 1955

(b) His Excellency Dr. Harekrushna Mahtab, Governor of Bombay, visited the Faculty on the 5th December, 1955

(c) Dr. B. V. Keskar, Union Minister for Information and Broadcasting, visited the Faculty on the 28th January, 1956

(d) Some members of the Chinese Cultural Delegation visited the Faculty on the 5th February, 1956

(e) Some members of the ECAFE visited the Faculty on the 23rd March, 1956

(2) Special Events :

(a) National Exhibition of Art, 1956, New Delhi :

Shri Jyoti Bhatt, a student of Post-Diploma Specialisation course in Painting won the Gold Plaque, the highest award for his Painting 'Krishna Lila' awarded for the first time by the Lalit Kala Akadamy, New Delhi, at its second exhibition held in January, 1956. He also won a cash prize of Rs. 1,000.

(b) Shri Shanti Dave, a student of Post-Diploma Specialisation course in Painting also won a cash prize of Rs. 1,000 for his Painting at the above-mentioned exhibition.

(c) Shri N. N. Chaudhari, Head of the Sculpture Department, also won a cash prize of Rs. 1000 for his Sculpture at the above-mentioned exhibition.

(d) At the 65th Annual Exhibition, 1956, Bombay Art Society, Bombay, held at Jehangir Art Gallery, Bombay, in January, 1956, the following students of the Faculty displayed their works and have won prizes. Some of the displayed works were sold :

S.No.	*Name of the student*	*Name of the prize*
(i)	Shri Shanti Dave	Governor's prize of Rs. 250
(ii)	Shri Jyoti Bhatt	Bombay Stationery Mart's prize of Rs. 101
(iii)	Shri G. R. Santosh	Sir Cawasji Jehangir's prize of Rs. 100
(iv)	Shri C. G. Joshi	One prize and one certificate

(e) At the All India Fine Arts & Crafts Society Silver Jubilee Exhibition held in 1956 at New Delhi, Shri Triloke Kaul won a prize of Rs. 150. At the 27th Annual Exhibition of Indian Academy of Fine Arts, Amritsar, he won Society's Silver Medal in Oil Section.

(f) Under the Cultural Scholarship's Scheme sponsored by the Ministry of Education, Government of India, Shri Girish C. Bhatt, VIth Year Diploma Sculpture student was awarded the scholarship. He began his work under the supervision of Shri N. N. Chaudhari from the 1st December, 1955.

(g) Shri K. G. Subramanyam, Senior Lecturer in Painting, was awarded British Council Research Scholarship for the year 1955-56 for higher studies in U. K.

(h) Shri N. B. Joglekar, Junior Lecturer in Lithography, has been deputed for higher studies in Graphic Arts in U.K. at London School of Painting and Graphic Arts.

(i) Professor N. S. Bendre, Professor of Painting, read a paper on 'Professional Art Training' during the Seminar on 'Art Education', organised by the Lalit Kala Akadami, New Delhi, from the 16th to the 25th February, 1956.

CHAPTER XV—FACULTY OF HOME SCIENCE

1. Buildings

During the year the Shanta Devi Home Management House was completed. It is situated on the north of the Faculty building. This new addition has raised the total cost of the Home Science Faculty building to Rs. 6,57,456.

2. Courses of Studies

The Faculty continued to teach the four years B.Sc. and two years Master's Courses. The four years B.Sc. course is divided into two parts. The first two years consist of a core course, which acquaint all the students with the different phases of Home Science. The last two years enable the students to specialise in their own special field of interest and to Major in it. Four Home Science fields are offered as Majors as under :

(1) Child Development
(2) Foods & Nutrition
(3) Home Management
(4) Home Science Education

For Post-graduate studies, the following Majors were offered :

(1) Foods & Nutrition
(2) Child Development

The Faculty continued to receive the help of the teachers of the following Faculties :

(1) Faculty of Arts—for Languages, Economics and Sociology
(2) Faculty of Science—for Sciences and Statistics
(3) Faculty of Education and Psychology—for Psychology courses and certain subjects for Home Science Education
(4) Faculty of Technology and Engineering—for Toy making and Home furnishing courses
(5) Faculty of Medicine—for Anatomy, Physiology and Bacteriology.
(6) College of Indian Music, Dance and Dramatics—for Music and Dancing courses.

3. Number of students

The number of students enrolled in various classes at the commencement of the year 1955-56 was as follows :

Class	*Number (women)*
B.Sc. (Home) First Year	67
B.Sc. (Home) Second Year	48
B.Sc. (Home) Third Year	43
B.Sc. (Home) Fourth Year	17
M.Sc. (Home) First Year	6
M.Sc. (Home) Second Year	—
Total	181

4. Staff

Miss Clair Gilbert, Visiting Professor under the Indo-Tennessee Contract arrived to work in the Faculty for two years. During the year the staff of the Faculty consisted of 2 Visiting Professors, 1 Reader, 5 Senior Lecturers, 3 Junior Lecturers, 9 Teachers and Demonstrators and 9 Class III and 15 Class IV servants.

Mrs. A. N. de Quadros and Mrs. Robert Koblitz assisted the Faculty by teaching Clothing and Child Development during a part of the year.

The following Visiting Lecturers were invited by the Faculty from the grant provided in the Faculty budget :

Name	*Number of Lectures*	*Topics*
Dr. C. Gopalan, Director of Nutrition, Research Laboratory, Coonoor	3	Current Research being carried out in Human Nutrition in India.
Miss Jeannette B. Dean, Exchange Professor in Home Economics, Agricultural Institute, Allahabad	3	Adult Education and Home Economics Extension
Dr. (Mrs.) Doris L. Glick, Visiting Fulbright Professor in India	1	Sociological aspects of Education and Nursing
Dr. M. V. Radhakrishna Rao, Assistant Director Department of Nutrition, Haffkine Institute, Bombay	1	Application of Nutrition principles to the rural programme of India

5. Library and Reading Room

The Faculty was able to purchase books, periodicals and journals with grants made available by the University Grants Commission and in the Faculty budget. The library remained open during the Faculty hours. The following figures show the average daily attendance and circulation of books :

S.No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and Reading Room daily	150
2.	Average number of teachers making use of the Library and Reading Room daily	15
3	Total number of books issued to students during the year	2200
4.	Total number of books issued to teachers during the year	400

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1955-56 :

	Particulars	*No.*	*Cost in Rs.*
1.	Books (including back numbers of journals) as on 1-7-1955	2,622	17,019-15-9
2,	Books written off during the year	Nil	—
3.	Books added during the year	563	975-0-3
4.	Books as on 30-6-1956	3,185	17,995-0-0
5.	Journals subscribed during the year	39	929-5-6
6.	Amount spent for binding during the year	—	100-0-0
7.	Total amount spent for the Library and the Reading Room during the year	—	2,004-5-9

6. Museum, Laboratories, Workshops etc.

The Faculty has no museum as yet. At present the four show cases near the entrance of the Faculty serve the purpose. Each department of the Faculty has charge of one show case. The exhibits in them are changed frequently.

The University Grants Commission gave a Grant of Rs. 21,000 for equipment. The T. C. M. (Indo-American Agreement) continued their help by providing grants for small equipment. The following table gives the figures for the expenditure on laboratory equipment :

S. No.	*Item*	*Cost of equipment as on 1-7-1955*	*Cost of equipment etc. written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 30-6-1956*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1	Laboratories	1,21,091-15-11	—	23,774-0-3	1,44,866-0-2

A separate room is now used as a carpentry workshop. A T.C.M. grant and the University help made possible to have a new fretwork machine and numerous carpentry tools. This workshop was jointly used by the classes in Home Management and Child Development. A carpenter-instructor helped the students in the use of the tools. The students, using waste and inexpensive materials, designed and made many educational toys useful for village nursery schools and homes.

The Home Management students refinished furniture, made a few picture frames and other small articles.

7. Publications by the members of the staff

The following were the publications of the members of the staff during the year 1955-56 :

	Name	*Title*	*Where published*
(1)	Dr. M. F. Reed & Kumari Justina A. Singh	Report of the Clothing Workshop in Bangalore	Journal of Home Science Association of India, December, 1955
(2)	Shri U. R. Gore	Food Preservation at the Faculty of Home Science	Journal of Home Science Association of India, December, 1955
(3)	Miss Claire Gilbert	College Girls in India	Magazine Elensis of Chi Omega, 1956.

8. Literary, Cultural and Other Activities

(1) Kumari Amita Mehta read a paper on 'The role of Nursery School in the promotion and maintenance of the child's physical growth and health' at the All India Pediatrics Association, Indore.

(2) Under the supervision of Dr. Mary Frances Reed, the Faculty arranged a short course on Toy and Puppet Making. Twenty-three persons from all over India and one Burmese girl attended. They represented teachers, social workers, psychologists, home-makers and students. Mrs. Eleanor Brookes from Allahabad gave instructions in puppet making. The purpose and characteristics of educational toys was discussed and students prepared several simple wooden toys and puppets and gave a puppet performance at the close of the workshop.

(3) The Adult Education classes were successfully conducted by the senior students who were specialising in Home Science Education.

(4) The Foods and Nutrition and the Home Management classes gave several demonstrations for their own students and outsiders.

(5) The Faculty Cafeteria served 25 to 40 students daily. It prepared nutritious food at low cost.

9. Co-curricular activities

(1) The Home Science Club carried on various activities as usual. Miss Gilbert helped the students to understand more about the Home Science club activities in U.S.A.

(2) The students took part in different activities including debating, dramatics, gardening, sports, dancing, entertainment programmes, radio talks, N.C.C., A.C.C. and won honours in some of them.

(3) The exhibition organised during the University Week was well attended.

(4) One student represented the University in the Republic Day N. C. C. programme in Delhi.

(5) Two students took part in the Inter-University Kho-Kho team.

(6) Several students participated in Inter-University Youth Festival in Delhi.

(7) Fifteen students held part-time jobs and earned Rs. 15 a month.

10. Tutorial and Class Work

The Faculty continued to follow grade credit system for the evaluation of students' work throughout the year. The advisory system adopted by the Faculty has helped the students with their problems both scholastic and personal. The daily class discussions, the regular assignments, special projects, term papers and terminal and final examinations are all averaged for the total merit of a student.

11. Distinguished Visitors

The Faculty had a number of distinguished visitors during the year as mentioned below:

(1) Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India
(2) His Excellency Dr. Harekrushna Mahtab, Governor of Bombay
(3) His Excellency Shri K. M. Munshi, Governor of Uttar Pradesh
(4) Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University
(5) Mrs. Beatrice H. Holt, American Embassy, New Delhi
(6) Dr. C. D. Brehm, President, Tennessee University, U.S.A.
(7) Shri B. Buvappa, I.A.S., Director of Rural Industrialization, Bangalore.
(8) Dr. (Miss) Mary Elizabeth Kiester, University of Tennessee, Knoxvil, U.S.A.
(9) Shri Jagannath, Chairman, Railway Service Commission, Bombay
(10) Shri P. K. Atre, Journalist and Film Producer, Bombay
(11) Professor and Mrs. G. H. Fairbanks, Cornell University, Ithaca, N. Y.
(12) Mrs. Halin K. Leeze, Paris
(13) Shri B. D. Patel, Vice-Chancellor, Sardar Vallabhbhai Vidyapeeth, Vallabh Vidyanagar, Anand
(14) Dr. (Miss) Berenice Mallory, U. S. Office of Education, Washington, D. C.
(15) Miss Margaret Fedde, Co-ordinator, Indo-Tennessee Contract, Knoxville, Tenn.
(16) Miss Isabella Thoburn, Director of Fulbright Educational Fund, New Delhi.

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. Building

As it was not possible to accommodate the staff members within the building, two additional rooms on the first floor have been constructed during the year for providing all the members with office accommodation.

2. Courses of Studies

As a post-graduate institution, the Faculty offers the degree of Master of Social Work. The curriculum consists of class-room work, field work and research.

3. Field Work, Rural Work, Camps etc.

(1) Field work:

The chief emphasis continues to be on practical training and the application of academic knowledge in day-to-day life situations. The following agencies co-operated in offering valuable practical training to the students:

(a) The Remand Home, (b) Baroda Certified School, (c) Baroda Central Prison, (d) Government Deaf and Dumb School, (e) Shri Chimnabai Industrial Home for Women, (f) Shri Jamnabai Hospital, (g) Shri Padmavati Sanatorium, Anti-Tuberculosis Clinic, (h) Shri Sayaji General Hospital, (i) The Mental Hygiene and Psychiatric Clinic, (Shri Sayaji General Hospital), (j) The Mental Hospital, (k) The Government Model Farm, (l) The Atladra Rural Work Centre, (m) The Bil Rural Work Centre, (n) The Camp Road Community Welfare Centre, (o) Alembic Chemical Work Co. Ltd., (p) Baroda Spinning and Weaving Co. Ltd., (q) Jyoti Ltd., (r) Sarabhai Chemical Co. Ltd., (s) Shri Dinesh Woollen Mills Ltd., (t) Shri Jagdish Mills Ltd., (u) Shri Sayaji Mills Ltd., (v) Shri Yamuna Mills Ltd.

(2) Rural Work:

The Rural Work Department of the Faculty of Social Work carried on its rural development activities in Atladra and Bil villages during the year. Five male and one female students were placed on these villages for their Field Work experience.

The main activities that were carried out under the programme were —medical work, recreational and educational activities with the youth in

the villages, organising variety entertainment programmes and dramas and film shows, talks on topical subjects. The lady student worked with the women and girls' groups in Bil village. She organised such activities as embroidery and stitching classes, reading of books by groups of women. The lady student also visited women in their houses and gave them information on family planning, pre and post-natal and baby care. Her home visits were immensely appreciated by women folk in the village.

The medical programme of the Department is carried on under the guidance of a part-time doctor and a mid-wife. They visit each village twice a week. The village Clinics charge a nominal fee for the medicines. The Faculty did not incur any expense on medicine in the village Bil during the year because the entire cost of the medicines was met through public contributions and medicine fees. The village community of Atladra Village contributed a sum of rupees three hundred and seventy-five to the Faculty towards the cost of the medicines. 2,600 patients were treated by the Clinics during the year. Those cases which required advanced treatment were referred to General Hospital, Baroda.

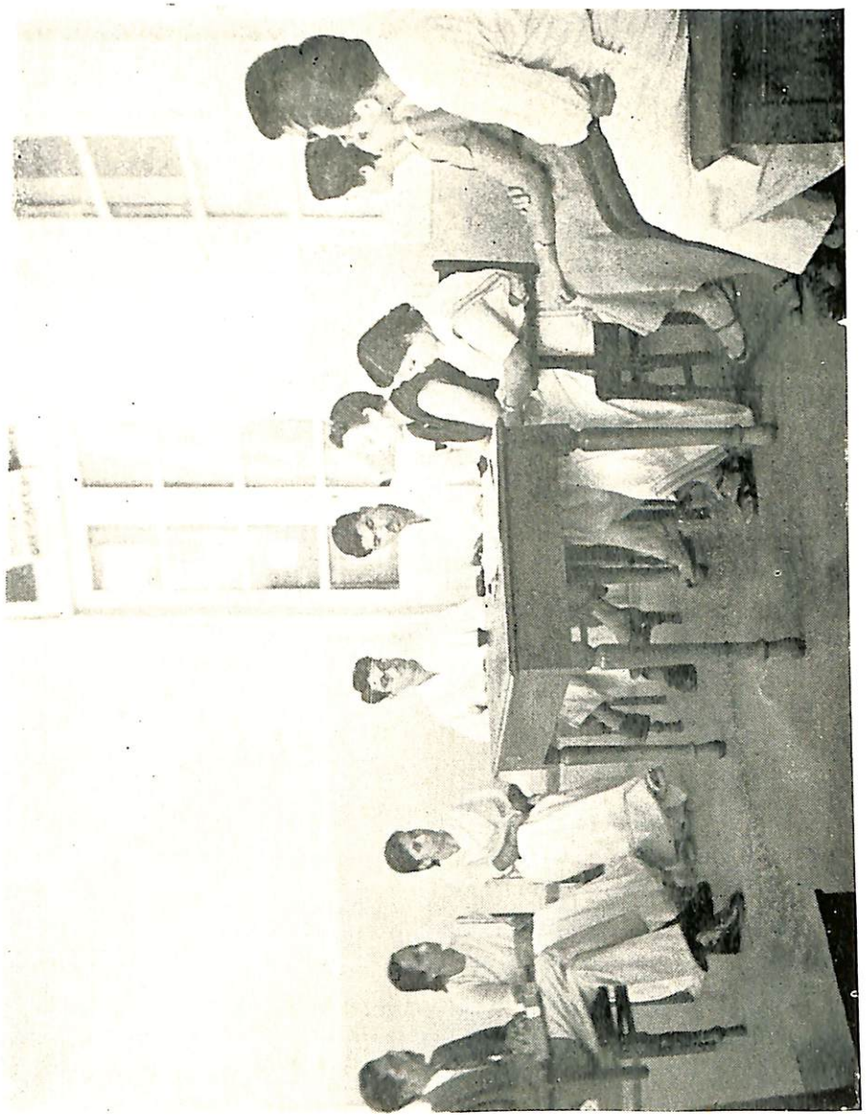
The Youth League in Bil village, under the guidance of the Faculty student, constructed a Youth Hall for their use. The Youth League members repaired and renovated this Hall, constructed a staircase leading to it through their own voluntary labour and contribution. They worked on this project for about 150 hours in their spare time. The members collected an amount through voluntary contribution and equipped the hall with some furniture and indoor games equipment.

The Faculty is also operating a milk distribution programme for children in both the villages in co-operation with the Primary Schools and Panchayats. The Faculty provides milk powder. Milk is distributed thrice a week. About 175 children of all ages take advantage of this programme.

The Rural Work Department co-operated with the Gram Panchayat in the Bil village in collecting a sum of Rs. 16,000 as the village share towards the construction cost of the village water-supply scheme and the village approach road. The Panchayat is trying to get the financial aid from Sir Sayajirao Diamond Jubilee Trust Fund for these projects.

(3) The Mental Hygiene and Psychiatric Clinic:

With the financial support for the second year from the Jean and Howard Norman Trust Fund of Australia, the Clinic continued to offer



Case Conference at the Mental Hygiene and Psychiatric clinic.

facilities for training students in Psychiatric Social Work, and to offer increasingly more skilful services to the people of Baroda and surrounding villages.

The full-time personnel remains the same as last year, *i. e.* two trained Psychiatric Social Workers, one Clinical Psychologist and one Clerk. Two members of the staff of the Faculty and the Head of the Mental Hospital continue to offer part-time services to the Clinic in voluntary capacity.

One of the Clinic rooms is now used for work with children and has considerable equipment needed in child guidance work. Two institutions for children in Baroda are using this service and reported that because of the work, the children's behaviour has improved remarkably. Doctors and one nursery school frequently refer children with behaviour problems and intensive work is carried on with both children and parents.

As of January, 1956 there is a total of 627 cases registered in the Clinic. Seven students of the University have been, or still are being, treated, having been referred to by other students. On the whole, their complaints have been symptomatic of anxiety, though one showed symptoms of a more serious disorder, that of schizophrenia.

A pamphlet on introduction of the services offered by the Clinic was published both in English and Gujarati. These were used for acquainting doctors, teachers, children's organisations, and public at large with the type of service offered in the Clinic.

(4) *Camp and Study Tours* :

Camps and study tours are regular features of the Faculty's total programme. Two camps and one study tour were conducted during the year.

The senior class was taken to Trivandrum where they participated in the proceedings of the Kerala Branch of the Indian Conference of Social Work, in addition to visiting many welfare agencies in and around Trivandrum. This was undertaken for the purpose of enabling them to study the management and operation of established social work agencies. The junior students were taken to a camp at Dumas for giving them an experience in democratic group living. They were also taken to Kolhapur to acquaint them with modes of living and thinking in various communities.

4. Number of students

The number of students enrolled in the two classes at the commencement of the year 1955-56 was as under :

Class	*Men*	*Women*	*Total*
M. S. W. Junior Class	16	4+1 (Casual student)	21
M. S. W. Senior Class	8	4+1 (Casual student)	13
Total	24	8+2 = 10	34

5. Staff

During the year, the staff of the Faculty consisted of 1 Professor, 1 Consultant, 5 Senior Lecturers, 3 Junior Lecturers, 2 Part-time Lecturers, 1 Field Work Assistant and 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 Social Education Organizers' Training Centre consisted of 1 Senior Lecturer, 3 Junior Lecturers, 6 Class III and 8 Class IV servants.

The following Visiting Lecturers were invited from the Faculty grant during the year :

	Nume		*Topics covered*	*No. of Lectures delivered*
1	Dr. Paul Neurath, Visiting Fulbright Professor of Social Research in India	1	Practical applications of Social Research	1
		2	Value and Use of Statistics in Social Research	1
				2
2	Shri P. Kodanda Rao, Servants of India Society, Bangalore	1	Unitary State for India	1
		2	Prohibition (For S.E.O. Training Centre)	1
				2
3	Dr. J. C. Marfatia, Honorary Assistant Psychiatrist in J. J. Hospital, Bombay and Consulting Psychiatrist in the Child Guidance Clinic, Bombay	1	Social Factors as precipitating forces in Mental Disturbance	1
		2	Treatment of Neurosis and Psychosis in Mental Hospitals in India	1
		3	Hysteria—To Medical Students	1
				3

6. Library and Reading Room

The Faculty has well-equipped library of over 3,100 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 during the year 1955-56 :

S.No.	*Particulars*	*Number (Average)*
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 the Reading Room daily	20
3.	Total number of books issued to students during the year	7,500
4.	Total number of books issued to teachers during the year	3,000

The following figures show the stock and the expenditure on the maintenance of Library and Reading Room during the year 1955-56 :

S.No.	*Particulars*	*No.*	*Cost in Rs.*
1.	Books (including back numbers of journals) as on 1-7-1955	2,744	17,082-14- 6
2.	Books written off during the year	—	—
3.	Books added during the year	386	1,999- 2- 0
4.	Books as on 30-6-1956	3,130	19,082- 0- 6
5.	Journals subscribed during the year	44	813-12- 3
6.	Amount spent on binding during the year		142-12- 0
7	Total amount spent for Library and Reading Room during the year	—	2,955-10- 3

During the year, a full-time post of a Library Clerk was created instead of three part-time students working during the past years.

7. Publications by the members of the staff

The following papers of the members of the staff were submitted for publication during the year 1955-56 :

Name	*Title*	*Where published*
(1) Professor Kumari P. Vakharia	Goal of Social Education in Democracy.	Indian Journal of Adult Education, New Delhi, March, 1956.
(2) Shrimati P. Bhatt	The citizen's role in Probation	'Probation India' Lucknow, October, 1956.

8. Literary, Cultural and Other Activities

(1) Staff participation in the wider field of Social Work :

In addition to their varied responsibilities and duties at the Faculty, the staff members have taken active interest in the development of the field at large. They participated in various national and international conferences.

(a) Professor (Kumari) P. Vakharia was deputed by the University to attend the 5th All-India Moral and Social Hygiene Conference held at Jaipur. She submitted paper on 'Fundamental and Comprehensive Programme for the elimination of prostitution'. She addressed the Career Conference on 'Social Work as a Career' under the auspices of the Gujarat University, Ahmedabad.

(b) Miss Olive Swoboda who was deputed by the University to attend the Indian Conference of Social Work held at Bangalore, submitted a paper on Mental Hygiene and Social Welfare and participated in the Panel discussion on the subject.

(c) Kumari I. D. Malani was deputed to attend all India Adult Educational Conference held at Delhi. She also attended All Gujarat Social Service Organization Conference at Ahmedabad.

(d) Shri D. F. Pereira, Clinical Psychologist, was deputed to the

(i) 43rd Session of the Indian Science Congress. He read a paper at the Symposium on Counselling and Guidance in the Psychology Section, 'Role of a Clinical Psychologist in Counselling and Guidance.'

(ii) 3rd All India Seminar on Vocational and Educational Guidance. He read paper on 'Role of a Clinical Psychologist in Vocational Guidance'.

(e) Shri G. G. Dadlani attended the 6th National Seminar on role of library in Social Education at Delhi.

(f) Shri B. R. Deolalikar attended the Seminar on Casteism and removal of Untouchability at Delhi.

(g) Shri S. K. Majmundar, Social Worker, was invited to address on 'Mental Health' at the Baroda District Health Conference, held in January, 1956.

(2) *Study Tour* :

The staff members are provided with opportunity to visit sister institutions for keeping in touch with developments in the field as well as to promote closer contact and public relations. Shri D. F. Pereira visited the Central Bureau of Vocational and Educational Guidance, Central Institute of Education and Psychological Wing Science Organisation at Delhi.

(3) Participation on various Committees

(a) During the year Professor (Kumari) P. Vakharia served on the following committees :

(i) Social Advisory Board, Ministry of Education, Government of India, New Delhi.

(ii) Central Executive Committee of the Indian Conference of Social Work.

(iii) The Managing Committee of the District Probation and After-care Association, Baroda.

(iv) Executive Committee, International Committee of the New York School of Social Work.

(v) 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.

(b) The Faculty helped to start a branch of the Indian Council of Child Welfare at Baroda. Kumari I. D. Malani is acting as the Joint Secretary of the Council.

(c) Kumari Malani was invited by the American Friends' Service Society to attend their International Seminar and Work Camp held at Tokyo, Japan for 6 weeks.

(d) Professor (Kumari) P. Vakharia was invited by the British Council for a study programme for two months in the U. K. following which she attended as an invitee the deliberations of the U. N. Social Welfare Section and International Committee of Schools of Social Work in Munich.

(4) Students' Association and Students' Emergency Loan Fund:

Besides belonging to the University Union, the students of the Faculty run an Association for Educational and Recreational purposes. Over the past four years, they have built up a loan fund. Every year, they add a small amount from the collections received from the members of the staff and students of the Faculty. This sum is set aside for rendering assistance to the needy students of the Faculty.

9. Co-curricular Activities

(1) Socials:

Under the auspices of the Students' Association, debates and lectures were conducted. The students also participated in Inter-Faculty debates and competitions. They also organised annual sports and conducted it with enthusiasm. The students of the Faculty were hosts to a group of students from Gujarat Vidyapeeth when they visited the Faculty in March.

(2) Film Shows:

The Rural Welfare Centres and the Camp Road Community Centre arranged film shows as part of their regular programme when 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.

(3) Faculty Magazine:

The third issue of the Faculty Magazine was published in May, 1956. A few leading people in the field of Social Work, members of the staff and students contributed articles in the Magazine.

10. Tutorial and Class Work

The method of teaching adopted in the Faculty lays emphasis on class participation of students and seminar discussions at post-graduate level are encouraged and implemented as far as possible. Individual supervision forms an important part of the Faculty's programme. Each student

is assigned to a member of the staff for the purpose of discussing problems arising out of his field work experiences. Regular weekly conferences are held for this purpose. By this the student is helped to learn to put theory into practice. Similarly for research guidance, the students hold with their research guides regular conferences which facilitate a close supervision of the students' day-to-day progress.

11. Distinguished Visitors

(1) Dr. J. F. Bulsara, former Adviser on Social Welfare to Government of Burma and Social Welfare Representative of U. N. for South East Asia delivered a lecture on 'Social Trends and Social Problems in South East Asian Countries'.

(2) Mr. Henry Meddick, Professor in Public Administration at the Birmingham University, England, gave an informative talk to the Faculty students on 'Social Services in Great Britain'.

(3) Mr. Sterling Tucker, Executive Director, Canton Ohio Urban League and Specialist in Community Organisation and Inter-Cultural Relations delivered two lectures on 'Social Work and Industrial Relations' and 'Community Organisation and Inter-group Relations'.

12. Alumni News

The Faculty compiled with the request received from several trained workers working in Baroda for a Seminar on supervision. The Seminar was held under the auspices of the alumni association of the Faculty and was led by Miss O. Swoboda.

The Association continued to give information and counsel to alumni regarding job situations and other problems. A list showing employment of alumni in various fields is given below:

Field of occupation		*No. of Graduates*
(1) Labour Welfare		13
(2) Teaching		10
(a) Schools of Social Work	4	
(b) Social Education Organisers' Training Centre	3	
(c) Social Welfare Department	3	
(3) Psychiatric Social Work		5

Field of occupation		*No. of Graduates*
(4) Miscellaneous		5
(a) Branch Secretary, Travancore Cochin State Indian Conference of Social Work	1	
(b) Youth Welfare Ministry of Education, Government of India	1	
(c) Neighbourhood House Work	1	
(d) Public Relations Officer, Khadi Bhandar, Delhi	2	
(5) Correctional Work		4
(a) Probation work with Juveniles	3	
(b) Adults	1	
(6) Social Education Organisers, Community Projects		4
(7) Medical Social Work		3
(8) Research, Surveys, etc.		3
(9) Evaluation Officer, Planning Commission		2
(10) Child Welfare		1
(11) Voluntary Work		4
(12) Further Studies		3
(a) Abroad	1	
(b) In India	2	
(13) Business		2
(14) Unemployed		4
(15) Unknown		3

13. Other Important Events

(1) Since last year, the Faculty has been entrusted with a grant-in-aid by the Community Projects Administration (C. P. A.) to set up an advanced training centre for Social Education Organizers. The Centre is located at Samiala village, approximately 7 miles from Baroda where the staff and students live and work in the rural atmosphere. Since its modest beginning, it has already expanded its programme to include men and women trainees. The number of villages it serves has also increased from four to twelve.

(2) The Ministry of Education, Government of India has sanctioned a sum of Rs. 5,000/- as research grant to enable the Faculty to conduct an all India research on 'Survey of the Graduates of the Schools of Social Work'.

14. Miscellaneous information

(1) Shri Manibhai Amin of the Sanitex Chemical Industries Company Ltd. continued the donation of vitamin and other pills for the experiment which is conducted at the Camp Road Community Welfare Centre.

(2) The staff of Shri Sayaji General Hospital and Medical College extended their co-operation and assistance for the medical examination of children from the Camp Road Centre.

(3) The Baroda Branch of the Indian Red Cross Society and Anti-T. B. Association gave donation of milk powder, vitamin pills etc.

(4) Shri Bindubhai Parikh and staff of Publicity Department of Municipality and the Five Year Plan Publicity Office gave full co-operation in organising film shows and educational programmes at various field work centres.

CHAPTER XVII—ORIENTAL INSTITUTE

1. Building

The Oriental Institute is accommodated on the first floor of a Government building, called the Record Tower building, where the accommodation is leased to the University at a nominal rent of Re. 1 per year.

2. Staff

During the year the staff consisted of 1 Director, 1 Deputy Director, 2 Superintendents, 1 Translation Assistant and 10 Class III and 5 Class IV servants.

3. Work of the Institute

The main work of the Institute is research and publications. The publications are made under the following series :

(1) Gaekwad's Oriental Series
(2) Shri Sayaji Sahitya Mala
(3) Shri Sayaji Balajnanamala
(4) Shri Sayaji Gramavikasamala
(5) Matusri Jamnabai Smarak Granthamala
(6) Shri Shishujnanamala
(7) The Sayajirao Gaekwad Honorarium Lectures
(8) The Maharaja Sayajirao III Golden Jubilee Memorial 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 1951, the University has undertaken through the Institute the publication of a critical and illustrated edition of Valmiki Ramayana. The Director is preparing the critical edition of the Balakanda. Besides this, as a part of the scheme of co ordination of the teaching 14 Sastras of Sanskrit in the University, five members of the Institute are recognised as post-graduate teachers in Sanskrit for M.A. course. The Director who is recognised for guiding Ph.D. students in Sanskrit was guiding six Ph.D. students and two M.A. students (offering Epics and Puranas as an optional subject) of the Faculty of Arts. During the year a thesis on 'Critical Study of Magha's Sisupala-vadha' by Shri M. T. Buch prepared under his guidance was submitted to the University. Dr. U. P. Shah,

Deputy Director was also recognised as a post-graduate teacher for M.A. in Sanskrit and Prakrit and for Ph.D. in Sanskrit, Prakrit and Ancient Indian History and Archaeology.

4. Library and Reading Room

The Library of the Institute has two sections : (1) the Manuscript Section and (2) the Printed Book Section.

(a) Manuscript Section :

This Section has a collection of 14,219 manuscripts in Sanskrit, Pali, Apabhramsa and other classical Indian languages of which 81 were added. 60 MSS. were lent to outside institutions, 900 were issued to different scholars for work on the premises of the institute and 10 MSS. were borrowed from the outside institutions during the year.

(b) Printed Book Section :

This Section has a stock of 16,984 books of the value of Rs. 1,75,000 approximately, of which 147 were purchased during the year at a cost of Rs. 2,162-11-9 and 1,126 were received in exchange and gift. The Library has open-shelf system. 1,366 books were issued to students and 365 to teachers during the year. On an average 32 students and 18 teachers made use of the Reading Room every day. Besides the facility of referring to manuscripts and for reading printed books, the Library provides 135 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. 126 volumes have already been published under this Series and five were in the press and twenty-nine new works and ten re-prints of works already published were under preparation. 4 volumes as under were published during the year :

GOS. No. XXIV : तन्त्ररहस्य : a work on the Prabhakara School of Purvamimamsa. Second revised edition by Pandit K. S. Ramaswami Shastri.

GOS. No. CXVIII : गुर्जर-रासावली : 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. No. CXXI : धूर्तस्वामि भाष्य : on the Srautasutra of Apastamba edited by Shri A. Chinnaswami Shastri, Vol. I.

GOS. No. CXXVI : रागतत्त्वविबोध : of Srinivasa edited by Shri V. S. Desai (Published in GOS. for Sangeet Natak Akadami, New Delhi).

The remaining five works selected by the Sangeet Natak Akadami, New Delhi, were under preparation.

The following work was in the stage of publication during the year :

GOS. No. XXXVI : नाट्यशास्त्र : with the commentary of Abhinavagupta (2nd revised edition) by Pandit K. S. Ramaswami Shastri.

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 the series during the year came to Rs. 13,985-3-0 and show an increase in the sales of about Rs. 3,800 during the year.

6. Translation Branch

This branch of the Institute carries on the publication work of books under series Nos. 2 to 8 mentioned in para 3. The following work was done during the year :

(1) Shri Sayaji Sahityamala :

वैदिक संगीत अने अन्य लेखो by Shri V. S. Desai was published.

दक्षिण कैलासदर्शन by Swami Pranavatirtha was in the stage of publication.

(2) Matusri Jamnabai Smarak Granthamala :

The book गृहजीवनमां स्त्रीनुं स्थान by Shrimati Sarojini Mehta was ready to be sent to the press.

(3) Shri Sayaji Balajnanamala :

आपणी खनीजसंपत्ति by Dr. N. M. Shah was ready to be sent to the press.

(4) Shri Sayaji Gramavikasamala :

Two books : (1) कृष्णपरीनी कायापलट by Shri K. M. Vyas and (2) खेतीनां सामान्य ओजारो by Shri N. C. Shah were published.

Two works—(i) घउं by Shri M. S. Pandya and (ii) प्रयोग कृषिकेन्द्रो by Shri M. S. Pandya were prepared and ready to be sent to the press.

(5) Shri Shishujnanamala :

Three books गुजरातनां पक्षीचित्रो– भाग २, ३ अने ४ by Shri Somalal Shah and Shri Pradyumna Desai were published.

(6) The Sayajirao Gaekwad Honorarium Lectures :

Lectures on the 'Ancient Indian Colonization in South East Asia' by Dr. R. C. Majumdar were published.

(7) The Maharaja Sayajirao III Golden Jubilee Memorial Lectures :

Lectures on 'The Problem of Discipline in Indian Universities and Selection and Training of Personnel for Public Services' by Professor N. K. Sidhanta were published.

The sale proceeds of all these series and the publications by late Professor B. K. Thakore came to Rs. 9,045-1-6 during the year.

7. Ramayana Department

The Department with the necessary staff of 1 Superintendent, 1 Ramayana Assistant and 33 part-time workers continued the work for the critical and illustrated edition of the Valmiki Ramayana. Arrangement was made for preparing the Ramayana Pictures and action was taken to appoint an artist. On the completion of the collation of 86 Ramayana MSS. of Balkanda in ten different scripts, the Director who is the General Editor prepared a draft of the critical edition of the first ten *sargas* for consideration of the Editorial Board. General principles of constituting the text were fixed up. As resolved in the meeting of the Editorial Board held in November 1955, a draft of the critical edition of the first *sarga* with a complete critical apparatus for circulation to the members for a critical study and expression of their opinion was printed. The press-copy of the matter in English *viz.* preface, abbreviations, list of MSS. utilized and description of the MSS. to be attached to the first *sarga* was prepared. The work of preparing the critical text and the critical apparatus of further *sargas* of Balakanda was continued. Besides, the collation of Ayodhyakanda in different scripts and the work of preparing concordance of four principal editions of Ramayana were carried on.

The financial help of Rs. 88,753 was secured for the Ramayana Scheme from the University Grants Commission and some outstanding personalities in the field of trade and commerce.

8. Journal of the Oriental Institute

The Institute publishes a Quarterly Journal. During the year Vol. IV, No. 4 and Vol. V Nos. 1, 2 and 3, in all 4 numbers were published. Many institutions and learned societies continued their exchange relations

with the Journal. The number of subscribers to the Journal was 56 and the sale proceeds during the year came to Rs. 1,001-10-0.

9. Publications by the members of the staff

(1) *Articles or papers :*

Name	*Title*	*Where published*
Shri G. H. Bhatt, Director	(a) Fire-Ordeal of Sita : an interpolation in the Ramayana	Paper submitted at the All India Oriental Conference, Annamalainagar, December, 1955, Journal of the Oriental Institute, March, 1956
	(b) छान्दोग्य उपनिषद्	Cetana, Vol. II, Nos. 5-6, 1955
	(c) सोमेश्वर देव	Akhanda Ananda, Vol. IX, No. 2, December, 1955
Dr. U. P. Shah, Dy. Director	(a) गुजरातनी गुप्तोत्तरकालीन शिल्पसमृद्धि	Kumar, August, 1955
	(b) गुजरातमां नागपूजा अने तेना शिल्पो	Kumar, September, 1955
	(c) महिषासुरमर्दिनी अने अन्य मातृकाओ	Kumar, October, 1955
	(d) शैव संप्रदायनी शिल्प समृद्धि	Kumar, November, 1955
	(e) A Rare Bronze of Bahubali in the Prince of Wales Museum	Bulletin of the Prince of Wales Museum, No. 4
	(f) A Few Brahmanical Sculpture in the Baroda Museum	Bulletin of the Baroda Museum and Picture Gallery, June, 1956
	(g) Parvati performings the Pancagni Tapa	Bulletin of the Baroda Museum and Picture Gallery, June 1956
	(h) A reference to Toys in the Kasyapasamhita	Journal of the M. S. University of Baroda, March, 1956
	(i) How many Kalakas ?	Paper read before the Prakrits Sectlon, All-India Oriental Conference, Annamalainagar, December 1955
	(j) Mahapurusalaksanas in Jaina Canons	Paper read before the Prakrits Section, All-India Oriental Conference, Annamalainagar, December, 1955
	(k) Jaina Monk Kalakacarya in Suvarnabhumi	Journal of the Oriental Institute, Baroda, March, 1956. Paper read before the All-India Oriental Conference, History Section, Annamalainagar, December, 1955

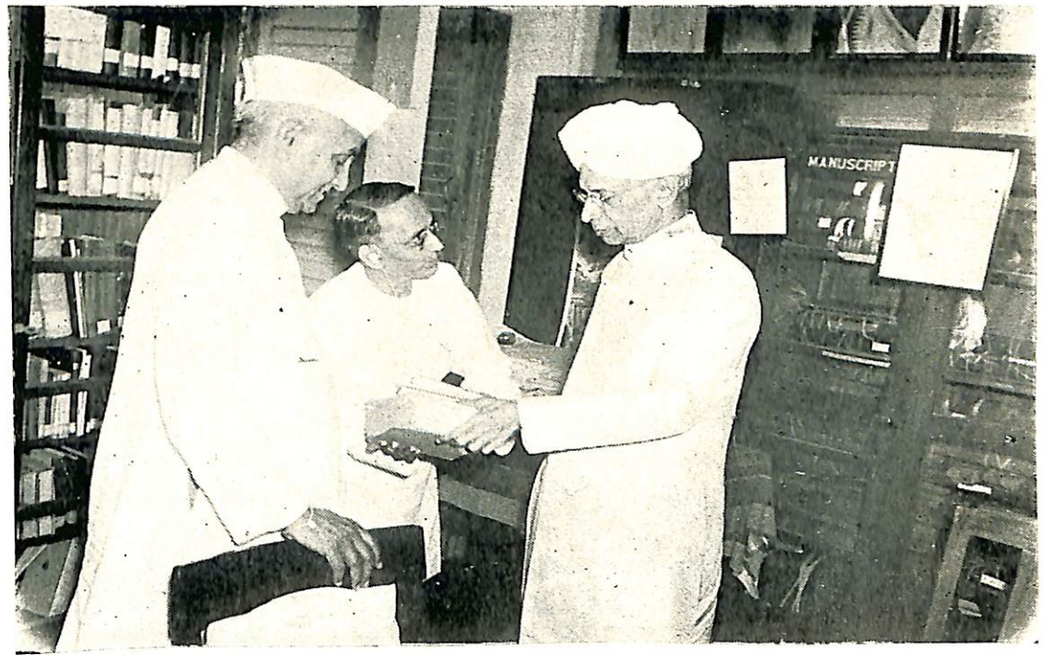
Name	*Title*	*Where published*
Dr. U. P. Shah, Dy. Director	(l) Jaya—Group of goddesses	Acharya Vijaya Vallabha Suri Smarak Grantha, Bombay, June, 1956
	(m) A rare Sculpture of Mallinatha :	Acharya Vijaya Vallabha Suri Smarak Grantha, Bombay, June, 1956
	(n) केटलांक प्राचीन जैन शिल्पो	Acharya Vijaya Vallabha Suri Smarak Grantha, Bombay, June, 1956
	(o) पार्श्वनाथनी एक प्राचीन प्रतिमा	Acharya Vijaya Vallabha Suri Smarak Grantha, Bombay, June, 1956
	(p) सुवर्णभूमिमें कालकाचार्य (Hindi)	Acharya Vijaya Vallabha Suri Smarak Grantha, Bombay, June, 1956
	(q) Bronze Hoard from Vasantagadh	Lalitakala, June, 1956 Lalitakala Akadami, New Delhi
	(r) विमलमन्त्री और उनके पूर्वज (Hindi)	Rajasthana Bharati, January, 1956
	(s) गुजरातके प्राचीन कलाकार	Kalabidhi, Banaras, Issue No. 4
	(t) गुजरातनुं प्राचीन सैन्य	Paper read before the Gujarati Sahitya Parishad, Nadiad, October, 1955
Dr. Y. J. Tripathi, Translation Assistant	(a) Pranavmantra, its importance and significance	Contributed to the 18th session of the All-India Oriental Conference, Annamalainagar, December, 1955
	(b) संत श्री अखाजीनुं तत्त्वदर्शन	Janakalyana, September, 1955
	(c) संत श्री संतराम महाराज	19th Session of the Gujarati Sahitya Parishad, Nadiad, October, 1955
	(d) परमानन्दनी प्राप्ति	Mangala Mandir Janakatha Issue, March, 1956
Shri J. P Thakar, Superintendent, Printed Section	(a) रामायणनुं संशोधन	Akhanda Anand, July, 1955
	(b) कोढनो एक प्राचीन उपाय	Susruta, September, 1955 and Bhisagbharati Vol. II, No. 9
	(c) गुजरातनुं भूलायेलुं रूपक	Visvavijnana, February, 1956
	(d) रामनामनो प्रभाव	Janakalyana, February, 1956
	(e) गुजरातनुं प्रथम इतिहासकाव्य	Vijayavallabhasuri Commemoration Volume, June, 1956

Name	*Title*	*Where published*
(2) *Books* :		
Shri G. H. Bhatt, Director	विश्वना धर्मो	Good Companions, Baroda, July, 1955
Dr. U. P. Shah, Dy. Director	Studies in Jaina Art	Jaina Cultural Research Society, Banaras
Shri J. S. Pade, Supdt. MSS. Section	ताम्बूलमञ्जरी	Journal of the Oriental Institute, Vol. V, No. 3, March, 1956

10. Distinguished Visitors

The following were some of the distinguished persons who visited the Institute :

1	Shri Ambubhai Purani, Sri Aurobindo Ashram, Pondicherry	5-7-1955
2	Shri V. L. Mehta, Vice-President, State Bank of India	20-8-1955
3	Dr. Charles Russell, American Expert in Museology	20-8-1955
4	Dr. B. Ch. Chhabra, Sastri, Deputy Director of Archaeology, Government of India, New Delhi	1-10-1955
5	Shri Pratapsimhaji Rasayanacarya, Banaras	8-10-1955
6	Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India	13-10-1955
7	Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University, Calcutta	21-11-1955
8	Miss Beatrice H. Holt, Library Consultant and Mr. Herbart K. Berthold, Administrative Officer, India Wheat Loan Education Exchange Programme Office of U.S.A.	24-11-1955
9	His Excellency Dr. Harekrushna Mahtab, Governor of Bombay	5-12-1955
10	Dr. Ernest Bender, University of Pennsylvania, Philadelphia, U.S.A.	8-12-1955
11	Dr. Douglas Barnet, Keeper of the Indian Antiquities, British Museum, London	20-12-1955
12	Sardar K. M. Panikkar, Member of States Reorganization Commisssion, Government of India	17-1-1956
13	Shri Mathuranatha Shastri, Retired Professor, Maharaja Sanskrit College, Jaipur	24-1-1956



Dr. S. Radhakrishnan at the Oriental Institute. In the picture are also seen Dr. Jivraj N. Mehta, Finance Minister, Government of Bombay and Shri G. H. Bhatt, Director.

14	Dr. L. Alsdorf, Head of the Department of Indological Studies. University of Hamburg, Germany	3-2-1956
15	Shri N. C. Mehta, I. C. S. (Retd.), Bar-at-Law, Bombay	4-2-1956
16	Dr. C. P. Ramaswami Aiyar, Vice-Chancellor, Banaras Hindu University, Banaras	7-2-1956
17	Professor V. K. N. Menon, Patna Hindu University, Patna	21-2-1956
18	Members of ECAFE	23-3-1956

11. Department of Chronology of Gujarat

(1) 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 (Devnagari Script) has been undertaken by the University. The following is the progress work in compilation of volume I (from the Pre-History of Gujarat to 942 A. D. the end of Chavda rule).

The different sections on Pre-History, Inscriptions and Coins, Sanskrit Literature, Jaina Literature, Foreign Travellers' Reports and Art and Archaeology were sent for scrutiny to local scholars under instructions from the Vice-Chancellor. The reports of the scholars were received during the year. The suggestions of scholars which comprised of additions, corrections and modifications in the matter were communicated to the individual Contributors for necessary revision. The revised slips have now been received from the Contributors and they are still kept in source-wise groups. The entire material will now be overhauled and recast in the strict chronological sequence after due consultation with the Board of Contributors. The matter will then be ready for printing.

Uptil now no attempt has been made to give at one place and show by juxtaposition the wealth of antiquarian material in Gujarat in the province of Architecture, Stone-Sculpture and Metal-image, which is in good evidence during the post-Gupta and the pre-Solanki period. Accordingly in order to give representative illustrations to Volume I of the pre-Historical antiquities, epigraphical records on Stone and Copperplate, Coins, Seals and Sealings, Architectural remains, Sculptures, Bronzes and wall-paintings coming within the range of Volume I, a thorough search of published and unpublished material prior to the Solanki rule *i.e.* upto 942 A.D. was being made by the General Editor.

Only recently the oldest of archaeological remains, not only in Gujarat, but even in India have been discovered at the village Saragvala from the Lothal mound, five miles from Dholka, Ahmedabad District. These antiquities consist of Harrapan pottery and seals and sealings resembling the Mohen-jo-daro bull, unicorn and elephant inscribed on them, along with the undeciphered script. A regular furnace for baking these seals has been unearthed by the Superintendent of Western Circle from where, about one hundred and eight seals were picked up. Another old site of Rangpur mound on the Bhadar river linking the migrations of ancient peoples to Gujarat down the stream of the Indus has laid bare painted pottery with animal-outline designs. The General Editor who personally visited both these sites found illustrations of these antiquities valuable.

The General Editor undertook a tour to study closely the old Museums at Bhavnagar, Rajkot, Junagadh and Jamnagar in Saurashtra and Bhuj in Kutch, and found hitherto unnoticed post-Gupta Sculptures and Bronzes. A standing bronze of Buddha with an inscription on the pedestal in Brahmi characters of the 7th century, from the Bhuj Museum is an important discovery. which helps to support the existence of the 'School of Ancient West' in Western India, as noted by the Buddhist historian Taranath in 1609. Preparation of a dummy album of the tentative plates arranged under various heads for reproduction as illustrations was under consideration. The preparation of the proposed maps showing the extent of Gujarat during the various political epochs either as a province of the Mauryan, Kshatrapa or Gupta Empire or as separate kingdoms under the Maitrakas, the Chalukyas, the Pratiharas or the Chavadas is also under consideration of the map-experts.

Co-operation of scholars to undertake different sections of the subsequent volumes of Chronology was sought and the majority of scholars addressed to, have agreed to help as Contributors.

(2) *Other activities of the General Editor*

(a) The General Editor attended the Indian History Congress Sessions held at Calctta in December, 1955 as a delegate of the University and read a paper on "A Unique Panel of the episode of Savitri Upakhyana from Bagh". It is now being published in the Bharatiya Vidya Quarterly.

(b) The General Editor has been appointed in April, 1956 as member on the Gujarat Regional Committee of the Bombay State for the Collection and Publication of the Folklore.

(c) The General Editor's Note on the 'Ruins of a Shiva Temple at Limkheda (Panch Mahals)' with photographs of the old door-frame of the temple with the Gupta-motif of Ganga and Yamuna on a crocodile and a tortoise respectively in tact, is contributed to the current yearly Report of the 'Bombay State Board for Historical Records and Ancient Monuments', of which he is a member.

CHAPTER XVIII—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

1. Building

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 spotlights, Heavy Drop Curtain and other stage equipments, and properties.

2. Courses of Studies

The College offers the following courses:

(1) Two years' post-graduate Degree 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 courses in 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' 1955-56 was as under:

Diploma Classes

Class	*Men*	*Women*	*Total*
First year	158	95	253
Second year	62	33	95
Third year	47	23	70
Fourth year	29	10	39
Fifth year	21	6	27
Total:	317	167	484

Degree Classes

Class	*Men*	*Women*	*Total*
First year	7	6	13
Second year	2	2	4
Third year	4	2	6
Fourth year (B. Mus.)	5	3	8
Fifth year (Jr. M. Mus.)	2	—	2
Sixth year (Sr. M. Mus.)	—	4	4
Total:	20	17	37

4. Staff

During the year, the staff consisted of a Principal in the grade of a Reader, 1 Visiting Profeseor, 2 Honorary Visiting Instructors, 3 Senior Lecturers, 4 Junior Lecturers, 2 Tutors, 21 Ustads (Teachers in Music, Dance, including Part-time Teachers etc.) and 6 Class III and 9 Class IV servants.

The following experts were also invited to give lectures and demonstrations during the year:

S. No.	*Name*	*No. of Lectures or Demonstrations*	*Date*	*Subject*
1	2	3	4	5
1	Shri Gaurishanker	2	23-7-1955 & 24-7-1955	Kathak and Kathak Nritya
2	Shri Latafat Hussain-khan	1	29-7-1955	Classical Vocal Music
3	Shri Raghunath Brahmbhatt	2	1-2-1955 & 2-8-1955	Gujarati Dhals and Geets in Rangbhoomi
4	Shri Sanatkumar Vin	2	4-8-1955 & 5-8-1955	Tempo Climax and Conflict in Drama
5	Pandit Haribhao Gangrekar	1	13-8-1955	Vocal Music
6	Shri Shridharnath Parsekar	1	13-9-1955	Violin

1	2	3	4	5
7	Shri K. K. Shastri	3	17-10-1955, 18-10-1955 & 19-10-1955	Abhinavaguptacharya and Bharat Muni—their contribution to Indian Aesthetics
8	Shri Khansaheb Habeebuddinkhan	2	23-10-1955 & 24-10-1955	Tabla—Different Gharanas
9	Shri K. K. Shastri	1	3-12-1955	Bharat Natya Shastra
10	Shri Ramesh Nadkarni	1	18-12-1955	Vocal Music
11	Shrimati Siddheshwari Devi & party	1	29-1-1956	Vocal Music
12	Shri Narayanprasad	1	30-1-1956	Kathak Dance
13	Shri Madhubhai Patel	1	30-1-1956	Directed ballet 'Telande'
14	Shri Krishnaswami	1	28-1-1956	Indian Musical Instruments
15	Shri Jivanlal Mattu	1	5-2-1956	Voice Culture and Gayaki
16	Dr. Ram Marathe	1	18-2-1956	Radio Play and its Technique
17	Ustad Razak Hussainkhan	1	26-2-1956	Vichitra Veena
18	Shri Dhirubhai P. Thakar	2	3-3-1956 & 4-3-1956	A Survey of Drama Literature in Gujarati
19	Shri Adi Marzban	2	17-2-1956 & 18-2-1956	Production of play 'Ghunghat Pat'
20	Shri Derric Jafris	2	10-3-1956 & 11-3-1956	Stage Lighting
21	Shri Damu Zaveri	1	12-3-1956	The problems of Theatre management and how to achieve efficiency in the work
22	Shri Mohanlal Naik	1	16-3-1956	Bhavai Demonstration (Folk Drama of Gujarat).

5. Library and Reading Room

The Library has been completely reorganised dividing the books into 5 separate parts *viz.* (1) Music, (2) Dance, (3) Dramatics, (4) Reference Books and (5) 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 :

S.No.	*Particulars*	*Number*
1.	Average number of students making use of the Library and the Reading Room daily	45
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.	308
4.	Total number of books issued to teachers during the year.	294

The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1955-56 :

S. No.	*Particulars*	*Number*	*Cost in Rs.*
1.	Books (including back numbers of Journals) as on 1-7-1955	1427	8,103-2-3
2.	Books written off during the year	—	—
3.	Book added during the year	449	2,605-0-0
4.	Books as on 30-6-1956	1876	10,708-2-3
5.	Journals subscribed during the year	27	421-0-0
6.	Amount spent on binding during the year	—	52-6-0
7.	Total amount spent on Library and Reading Room during the year	—	3,078-6-0

6. Museum, Laboratories, etc.

The College has 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. 1,790 has been spent so far on the equipment of the Physics Laboratory including requisite furniture.

The expenditure during the year on the Physics Laboratory is as follows :

Item	*Cost of equipment as on 1-7-1955* Rs.	*Cost of equipment written off during the year* Rs.	*Cost of equipment added during the year* Rs.	*Cost of equipment as on 30-6-1956* Rs.
Physics Laboratory	1,790-3-3	—	—	1,790-3-3

7. Literary, Cultural and Other Activities

(1) The Saturday Music programmes were arranged by the students and staff of the College during the whole year on the subjects—Music (Vocal and Instrumental), Dance and Dramatics.

(2) Pandit Vishnu Digamber's Anniversary was celebrated by the students and staff of the College on the 13th August, 1955.

(3) The students and the staff of the College gave an entertainment programme on the 15th August, 1955—the Independence Day in the Central Hall of the Baroda College under the auspices of the M. S. University Union.

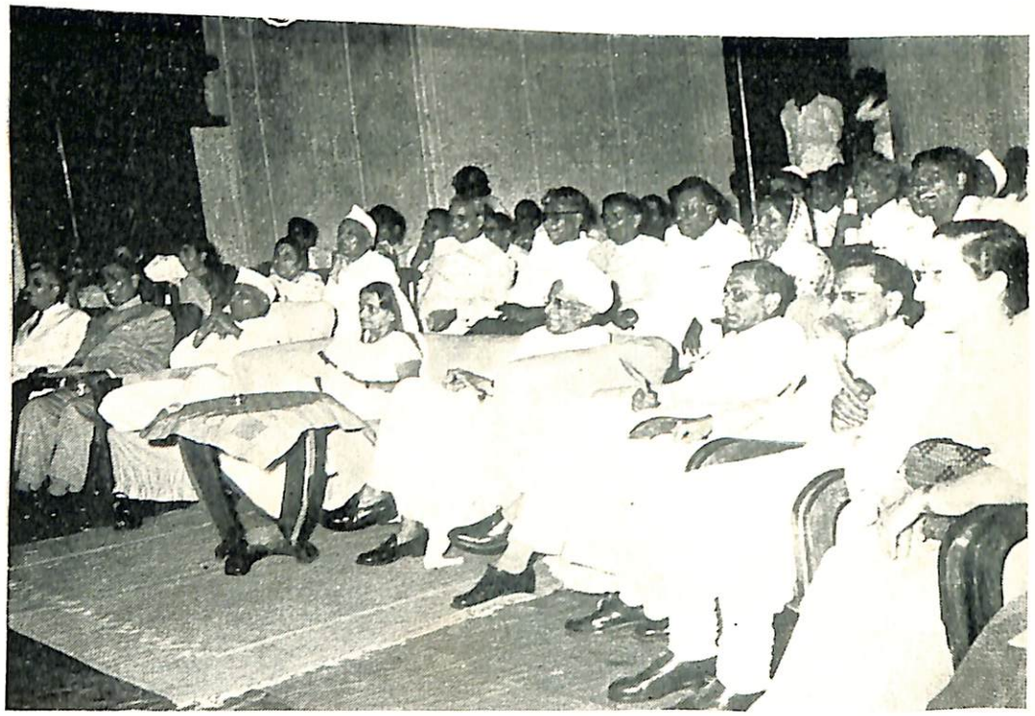
(4) The students and the staff of the College performed the drama '*Dhara Gurjari*' written by Shri C. C. Mehta, Head of the Dramatics Department for the students of the College on the 19th August, 1955 in the Nyaya Mandir Hall. Shri T. M. Chaudhari, the Collector and District Magistrate was the Chief Guest of the day.

(5) The students and the staff of the College performed the drama '*Dhara Gurjari*' on the 20th, the 21st and the 28th August, 1955 in the Nyaya Mandir Hall in the aid of the Music College Educational Scholarships and Educational Programmes Fund for the students of the College. Shrimati Hansa Mehta, Vice-Chancellor was the Chief Guest on the 21st August, 1955.

(6) The students and the staff of the College performed the drama '*Dak-Ghar*' on the 2nd, the 10th, the 11th, the 17th, the 19th and the 20th September, 1955. Shri T. M. Chaudhari, Collector and District Magistrate was the Chief Guest on the 17th September, 1955 and Shrimati Hansa Mehta, the Vice-Chancellor on the 19th September, 1955.

(7) Pandit Vishnu Narayan Bhatkhande Jayanti was celebrated on the 18th September, 1955 by the students and the staff of the College (morning and evening). Shrimati Hansa Mehta, Vice-Chancellor was the Chief Guest.

(8) The Saturday Music Programme was arranged by the students and the staff of the College on the 1st October, 1955. Shrimati Hansa Mehta, Vice-Chancellor was the Chief Guest. The programme was of Kathak and Bharat Natyam Dance, Vocal and Instrumental Music. The Headmasters from the Schools of Kutch, Saurashtra and Bombay State were invited to witness the programme.



Dr. S. Radhakrishnan at the Entertainment Programme given by the College of Indian Music, Dance and Dramatics.

(9) The students and the staff of the College took part in the entertainment programme on the 2nd October, 1955 at the Baroda College Central Hall.

(10) The students and the staff of the College took part in the invocation on the 12th October, 1955 at the time of the Sixth Annual Convocation.

(11) An entertainment programme was given by the students and the staff of the College on the 12th October, 1955 at the College Play-Box at the time of the Convocation to Senate members. The Chief Guest was Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India.

(12) The students and the staff of the College celebrated the Anniversary of Khansaheb Faiyazkhan on the 23rd October, 1955. The Chief Artist was Khansaheb Habeebuddin Khan, Tabla Nawaz of Meerut.

(13) The students of the College took part in the entertainment programme arranged by the M. S. University Union on the 26th January, 1956—Republic Day.

(14) The students and the staff of the College performed the drama '*Ghunghatpat*' written by Shri C. C. Mehta on the 17th and the 18th March, 1956.

(15) During the year, the students and the staff of the College performed the following Dramas: (a) *Umedwari*, (b) *Ghunghatpat*, (c) *Dhara-Gurjari*, (d) *Dak-Ghar*, (e) *Hoholika*, (f) Ballet '*Telande*', (g) *Tilottama* and (h) *Bhagvadujjukiya*.

8. Co-curricular Activities

(1) The students of the College took part in the University Week Inter-Faculty Contest in (a) Drama, (b) Dance, (c) Garba and (d) Folk Song. They were awarded 1st prize in Drama, Dance and Garba and 2nd prize in Folk Song.

(2) The students of College gave entertainment programme for 2 days on the 19th and the 20th December, 1955 to the students and staff of the University during University Week Celebrations.

9. Tutorials 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.

10. Distinguished Visitors

(1) His Excellency Shri K. M. Munshi, Governer of Uttar Pradesh, visited the College on the 6th July, 1955.

(2) Professor N. K. Sidhanta, Vice-Chancellor of the Calcutta University, visited the College on the 22nd November, 1955.

(3) The 70th Anniversary of the College was celebrated on the 28th, the 29th and the 30th January, 1956. The celebrations were inaugurated by Dr. B. V. Keskar, Union Minister for Information and Broadcasting.

(4) Shri Prithviraj Kapoor, the Famous Dramatist with his party visited the College on the 13th February, 1956.

(5) The artists from the Indian National Theatre—Shri Madhukar Randeria and others visited the College on the 27th March, 1956.

CHAPTER XIX—BARODA SANSKRIT MAHAVIDYALAYA

1. Building and Hostel

This 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 having accommodation for 15 students. Number of students in the hostel during the year was 10.

2. Courses of Studies

This institution offers courses in three stages as under:

(1) The Uttama Kaksha or Special Pandit Course of four years' duration is split up into two courses—the Shastri Course (Degree Course) extending over first two years and Acharya Course (Post-graduate Course) extending over the last two years in the subjects of (a) Vyakarana Shastra, (b) Jyotish Shastra, (c) Dharma Shastra, (d) Sahitya Shastra, (e) Nyaya and Vaishishik Darshan, (f) Samkhya Yoga and Vedant Darshan and (g) Purva Mimamsa Shastra.

Of the seven branches only four branches *viz.* Vyakaran, Jyotish, Dharmashastra and Sahitya Shastra worked during the year.

(2) The Madhyama Kaksha or Diploma course of five years' duration leads to the Diploma of 'Visharada' in each of the two branches of (a) Grammar and Literature and (b) Astrology and Astronomy, with English upto the S.S.C. standard compulsory for both the branches,

(3) The Prathama Kaksha or Certificate Course is of three years' duration in each of the branches of (a) Yajurveda Yajniki (b) Rigveda Yajniki and (c) Purana with Grammar and Literature compulsory for all 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 various classes at the commencement of the year 1955-56 was as under:

Class		*Men*	*Women*	*Total*
Special Pandit Course (Uttama Kaksha)				
Vyakarana Shastra :	Acharya Second Year	—	—	—
	Acharya First Year	1	—	1
	Shastri Second Year	—	—	—
	Shastri First Year	4	—	4
Jyotish Shastra :	Acharya Second Year	—	—	—
	Acharya First Year	—	—	—
	Shastri Second Year	—	—	—
	Shastri First Year	1	—	1
Sahitya Shastra :	Acharya Second Year	—	—	—
	Acharya First Year	1	—	1
	Shastri Second Year	1	—	1
	Shastri First Year	3	—	3
Advanced Course (Madhyama Kaksha)				
Vyakarana Shastra :	Fifth Year	—	—	—
	Fourth Year	3	—	3
	Third Year	1	—	1
	Second Year	4	—	4
	First Year	9	—	9
Jyotish Shastra :	Fifth Year	1	—	1
	Fourth Year	—	—	—
	Third Year	—	—	—
	Second Year	5	—	5
	First Year	4	—	4
Elementary Course (Prathama Kaksha)				
Yajurveda Yajniki :	Third Year	12	—	12
	Second Year	9	—	9
	First Year	19	—	19
Rigveda Yajniki :	Third Year	3	—	3
	Second Year	2	—	2
	First Year	2	—	2
Purana :	Third Year	—	—	—
	Second Year	10	—	10
	Grand Total :	95	—	95

4. Staff

During the year the staff of the institution consisted of the Principal, 10 Adhyapakas, and 2 class III and 4 class IV servants.

5. Library and Reading Room

(1) The institution has a small library for the use of the members of the staff only.

(2) The number of books and periodicals in the Library purchased during the year and the expenditure incurred on that account are as follows :

S.No.	*Particulars*	*Number*	*Cost in Rupees*
1	Books (including back numbers of Journals) as on 1-7-1955	2656	7,798- 6-0
2	Books written off during the year	—	—
3	Books added during the year	106	456-14-6
4	Books as on 30-6-1956	2812	8,366-13-2
5	Journals subscribed during the year	10	73-11-0
6	Amount spent on binding during the year	—	65- 4-0
7	Total amount spent for Library and Reading Room during the year	—	595-13-6

6. Publications by the members of the staff

Shri K. C. Shukla, jointly edited the third canto of *'Chandraprabha Charit Mahakavya'* by Shri Virnandi with Hindi and Sanskrit Commentaries for the use of the students of Sanskrit Learning.

7. Literary, Cultural and other Activities

(1) Under the auspices of Sharadopasak Mandal, the following extension lectures were arranged during the year :

	Subject	*Date*	*Lecturer*
(a)	Kavyaprakash	23-7-1955	Shri S. V. Bhattbhatt
(b)	Ekaki	27-8-1955	Shri N. C. Desai
(c)	Bhattoji Dixitaha	24-9-1955	Shri N. M. Pandya
(d)	Mahimnastotra Nu Mahattva	25-2-1956	Shri M. R. Joshi
(e)	Shrimad Bhagwat no Tatvik Vichar	4-4-1956	Shri H. C. Mehta

(2) During the year Shri H. C. Mehta delivered lectures as mentioned below :

	Subject	*Date*	*Place*	*Organising Body*
(a)	Shrimad Bhagwad with special reference to Subodhini	15-9-1955	Kandivali, Bombay	Kandivali Gita Pracharak Mandal
(b)	Present position of the study of Sanskrit	26-11-1955	Chandod	Chandod Gujarat Sanskrit Provincial Conference
(c)	Shri Vallabhacharya	4-5-1956	Baroda	Vaishnav Samaj, Baroda
(d)	Contribution of Vallabhacharya	6-5-1956	Rajpipla	Vaishnav Samaj, Rajpipla

(3) Shri K. C. Shukla, addressed the Pandit Sabha organised by Kandivali Gita Pracharaka Mandal at Kandivali on the subject of 'Sanskrit and how it should be made popular' on the 15th September, 1955. He also participated in the session of the Gujarat Sanskrit Provincial Conference in the month of November, 1955.

He also works as an editor of the 'Saraswati Saurabha', a Bulletin in Sanskrit publishing the activities of the Vidvat Sabha, Baroda Sanskrit Mahavidyalaya and the Oriental Institute and articles by the reputed scholars of Sanskrit on important topics of Sanskrit learning.

(4) A parliamentary debate was held in Sanskrit on the subject of 'Whether the World is real or unreal' in the 'Shardotsava' celebrated under the auspices of the Sharadotsava Mandal of the institution in the month of October, 1955 under the presidentship of Shri Krishnalal Joshi, Civil Judge, Baroda.

(5) '*Parkhu,*' a Gujarati one-act play, '*Adhikar ka Rakshak,*' a Hindi one-act play and '*Kundal Danama*' from 'Karna Bhara,' a one act play in Sanskrit by Bhasa were staged by the students of the Baroda Sanskrit Mahavidyalaya as a part of the Prize Distribution Ceremony on the 19th February, 1956 (under the direction of Shri D. K. Velankar, Shri S. V. Bhattbhatt and Shri K. C. Shukla.)

Shri Suryakant S. Mehta, a student of the Certificate course was awarded an encouragement prize of Rs. 5/- by Dr. A. N. Jani, Senior Lecturer, Faculty of Arts for the best acting.

8. Co-curricular Activities

(1) The institution arranges debates in Sanskrit called 'Shastriyavada' and lectures in Sanskrit by 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.

(2) Sharadotsava was celebrated under the auspices of the Sharadopasak Mandal on the 21st, the 22nd, the 23rd and the 24th October, 1955.

(3) Some films of health interest were shown to the students of the institution by the Honorary University Medical Officer in the premises of the institution.

(4) An elocution competition was held in the institution during the Sharadotsava. A silver medal called 'Dwarka Sharadapitha Sanskrit Vaktrutva Padak' was awarded to Shri Krushnadas N. Sadhu, a student of Uttama Kaksha Shastri I Year, for standing first among the student competitors of the Baroda Sanskrit Mahavidyalaya.

(5) *Study Tour*: Shri R. N. Joshi, Assistant Jyotish Adhyapaka was sent on study tour to Jaipur along with the student of the Astrology and Astronomy Branch of the Acharya course of the institution for ten days from the 27th February, 1956 to the 7th March, 1956 for the perceptual instruction in the exact location of the positions of the planets and constellations through indigenous yantras in the Jaipur Observatory as laid down in the prescribed course.

(6) *Excursion*: A batch of 20 students of the various courses of the institution went on an excursion on the 21st December, 1955 to Vallabh Vidyanagar and Milk Dairy and the Agricultural College of Anand under the supervision of Shri D. K. Velankar, Madhyama Kaksha Vyakaran Adhyapaka and Shri N. C. Desai, English Teacher.

(7) 13 studeuts of the Baroda Sanskrit Mahavidyalaya took part in Social Service Camp held from the 1st to the 21st May, 1956 organised by the University at Aat village near Navsari (Surat District).

9. Other Important Events

(1) A Kavi Sammelan was organised during the Sharadotsava under the auspices of the Sharadopasak Mandal on the 23rd October, 1955 under the presidentship of Pandit Badrinath Shastri a reputed scholar and poet of Baroda.

(2) *Annual Ceremony for the award of Diplomas, Certificates, Prizes and Medals*

The Annual ceremony for the award of Diplomas, Certificates and Medals was held on the 19th February, 1956 under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the Maharaja Sayajirao University of Baroda.

(3) *Felicitation Ceremony*

Sheth Shri Dharamdas Haridas Gandhi was felicitated on the 26th July, 1955 at a public function held in his honour for his donation of Rs. 7,500 for the purpose of giving away free text-books out of the interest of the sum donated in the beginning of the first term of every academic year to successful students in the annual examination of the the Baroda Sanskrit Mahavidyalaya. Sheth Shri Ishwarlal Chimanlal Zaver Laxmichand presided over the function.

(4) *Two lectures by the Visiting Professor*

During the year Shri Mathuranath Shastri, Retired Professor of Maharaja Sanskrit College, Jaipur delivered two lectures one on '*Kavyaswarup* and *Prakaras* with Special reference to *Rasgangadhar*' and the other on '*Rasaswarup* and various theories of *Rasa* with special reference to *Rasagangadhar*' as a Visiting Professor on the 23rd and the 24th January, 1956 respectively.

(5) *Tirupati Session*

Shri H. C. Metha, Principal of the institution was deputed as a representative of the University to participate in the deliberations of the Tirupati Session of the Sanskrit Vishva Parishad held in November, 1955.

(6) *Shri Sevaklal Dalsukhbhai Memorial Prize Fund*

The University received a donation of Rs. 3,500 to be entitled as 'Shri Sevaklal Dalsukhbhai Memorial Prize Fund', for the institution.

According to the scheme of the fund three prizes will be distributed annually with effect from the year 1956-57 as under:

(a) To the candidate obtaining the highest percentage of marks amongst all candidates appearing at the last year examination of the 'Prathama Kaksha' in the Baroda Sanskrit Mahavidyalaya and continuing further studies. Prize Rs. 30 (Rupees thirty) only.

(b) To the candidate obtaining the highest percentage of marks amongst all candidates appearing at the '*Visharada*' diploma examination of the 'Madhyama Kaksha' in the Baroda Sanskrit Mahavidyalaya and continuing further studies. Prize Rs. 40 (Rupees Forty) only.

(c) To the candidate obtaining the highest percentage of marks amongst all candidates appearing at the '*Shastri*' degree examination of the 'Uttama Kaksha' in the Baroda Sanskrit Mahavidyalaya and continuing further studies. Prize Rs. 50 (Rupees Fifty) only.

10. Distinguished Visitors

The following were some of the distinguished Visitors who visited the Mahavidyalaya during the year:

S. No.	*Name and Designation*	*Date*
1	Shri P. M. Modi, Ex-Principal and Professor of Sanskrit, Samaldas College, Bhavnagar	21-11-1955
2	Shri Mathuranath Shastri, Retired Professor, Maharaja Sanskrit College, Jaipur	23-1-1956 and 24-1-1956
3	Shri Vare Shridhar Shastri, Director of Ved Shastra Pathshala of Nasik	15-3-1956

CHAPTER XX—INTERMEDIATE COLLEGE

1. Buildings

During the year 1955-56 the Intermediate College continued holding its classes in the Baroda College building. The Intermediate Arts Class occupied Room No. 27 while the Intermediate Commerce Class sat in Room No. 17, one of the big rooms on the Commerce Faculty Wing. The Preparatory Arts Classes were accommodated in the New Hall (Ground Floor) and Room No. 15, while the Preparatory Commerce Classes sat in the New Hall (First Floor). The Intermediate Arts Class had enough students for only one division, but it was divided into two groups of about 75 each in subjects like English and Logic. For the remaining subjects the class was not divided.

2. Courses of Studies

The College offers courses leading to the Preparatory Arts, Inter Arts, Preparatory Commerce and Inter Commerce examinations.

As a preliminary step for the introduction of the Three-Year Degree Courses in the Faculties of Arts, Science and Commerce of the University, new courses called Preparatory Courses in Arts, Science and Commerce were introduced from June, 1955 for the students seeking entrance to the University after passing the S.S.C. or similar entrance examinations. As the students passing the S.S.C. or similar examinations had only four years of study in English in the high schools it was decided to give to these students an intensive course of study in English and hence for all students of the Preparatory Classes, two papers in English were introduced. It was also decided that for the purposes of teaching, each class should be spilt up into two small groups. The same practice was to be followed for the teaching of Hindi which was introduced for the first time as a compulsory language in the Preparatory Classes. The Preparatory Arts and Commerce Classes were divided into 7 small groups of about 70 students each for the teaching of English and Hindi. One teacher was in charge of one group and it was found that the smaller groups enabled the teacher to teach more effectively and efficiently than lecturing to a very big class. This method meant more teachers and so three part-time teachers in English and one part-time teacher in Hindi were appointed by the University.

The Preparatory Arts Class was divided into two divisions of about 140 each, while the Preparatory Commerce Class had two divisions, one having about 150 students and the other having 75 students.

As the students joining the Preparatory Courses were likely to have studied English for four years only, the University allowed these students of the Preparatory Arts and Commerce courses to answer their papers in English, Gujarati or Hindi. The teachers were instructed to lecture in any of these languages to make the subject properly understood by the students. The teachers found by experience that the best method of teaching was to lecture on their subject during the first part of the period in English and explain the same topic again in Gujarati or Hindi during the rest of the period. In the classes which contained exclusively Gujarati-speaking students, Gujarati was used, while in the rest of the classes Hindi was used by the teachers. The students wrote their tutorials in all the three languages and though at first the tutors and teachers found it difficult to assess the tutorials written on the same topic in three different languages, they were able to overcome the difficulty with experience and maintain a proper standard of marking.

3. Number of students

The number of students enrolled in different classes at the commencement of the year 1955-56 was as under :

Class	*Men*	*Women*	*Total*
Preparatory Course in Arts ' A '	101	41	142
Preparatory Course in Arts ' B '	83	56	139
Preparatory Course in Commerce ' A '	150	1	151
Preparatory Course in Commerse ' B '	78	—	78
Intermediate Arts	117	43	160
Intermediate Commerce	97	—	97
Total	626	141	767

4. Staff

The teaching staff is attached to the Faculties of Arts and Commerce. The other staff continued to be of 4 Class III and 10 Class IV servants.

5. Library and Readlng Room

(1) The College Library has nearly 6,855 books in different subjects taught in the college as well as on the subjects of general interest to

the students. During the year, new books worth Rs. 1,466-0-0 were purchased for the Library.

(2) The College Library and the Students' Reading Room are housed in a room near the College Office. The Library and the Reading Room were kept open from 11-00 a.m. to 5-30 p.m. every day.

(3) The Reading Room was maintained out of the Union fees collected from the students. A large number of dailies and periodicals in Gujarati, Hindi, Marathi and English were subscribed for. More than 250 students read in the Reading Room every day. Separate arrangements were made for women students.

(4) The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1955-56 :

	Particulars	*Number*	*Cost in Rs.*
1.	Books (including back numbers of periodicals) as on 1-7-1955	* 6,655	34,000-0-0
2.	Books written off during the year	—	—
3.	Books added during the year	200	1,466-0-0
4.	Amount spent on binding during the year	—	—
5.	Journals subscribed during the year— 8 monthlies and 4 weeklies	—	182-8-6
6.	Total amount spent on Library during year	—	1,648-8-6

6. Co-curricular Activities

(1) Auxiliary Cadet Corps :

A.C.C. training is compulsory for all students of the College. The students had their A.C.C. activities thrice a week on the ground in front of the Faculty of Technology and Engineering. The Women students staying in the University Halls of Residence and the area near the station had their A.C.C. activities in the evenings thrice a week on the ground of the Faculty of Home Science. In addition to drills, callisthenics, the cadets played Volley Ball, Basket Ball and Indian team games.

Many students of the college participated in the work of digging earth for the Swimming Pool of the University near the Union Pavilion.

(*Note :—369 books and periodicals were transferred to the College Library from the Faculties of Arts, Commerce, and Engineering and Technology)

(2) National Cadet Corps :

The students of the College joined the N.C.C. in large numbers. Out of 315 cadets in the N.C.C. about 94 students were from the Intermediate College. A majority of these students joined the annual N.C.C. Camp at Cambay, while about 10 cadets from the college participated in the special camp for all N.C.C. cadets from the Bombay State held during May, 1956 at Radhanagari near Kolhapur.

For the first time, a N.C.C. Girls Sub-Troop was organised with 60 girl students from the different Faculties and Institutions of the University. About 22 Women students of the College joined this sub-troop. They all joined the annual camp held at Goregaon, Aarey Colony during April, 1956.

(3) Games :

The College students as usual took a keen interest in major games like cricket, foot-ball, hockey, badminton etc., as well as in athletics and indoor games. The College Association organized tournaments in various indoor games as well as badminton and the response of the students was very satisfactory. The College won championship in Inter-Collegiate Tennis tournaments for the second year through the splendid efforts of Shri R. B. Parmar and Shri N. B. Parmar. In the Relay-Race during the athletic competitions held during the University Week, Kumari Lata Parab, Kumari Bakul Rao, Kumari Desai and Kumari Pradhan and Sarvashree S. B. Kemkar, G. R. Kadam, R. Fonseca and Terdalkar won cahmpionship for the college in the ladies' as well as boys' events respectively.

In the Volley-Ball the College team were the runners-up. In Hockey, the College team under the Captainship of Shri P. B. Kemkar won the championship.

During the Boxing tournament organised for the first time for the N. C. C. cadets on Republic Day, Shri N. T. Savant of the Preparatory Arts Class won the championship and a silver-belt. Shri A. K. Mehta of the College got the championship in the Draughts in the M. S. University Union tournaments. Six Women students from the College were in the University Ladies' Team and three Men students in the University Men's Team for Khokho. Eight students of the College were members of the University Cricket Team and four of them played for the University at Cuttack during the Inter-University Cricket Tournaments.

(4) The College Students' Representative Council :

The Council was very helpful in maintaining cordeal relations between the teachers and the students. The Council held two meetings during which some difficulties of the students were solved.

(5) The Debating Society :

The Society was active throughout the year. A prize debate for the students of the college was organized on the question of the medium of instruction in the Universities and three prizes were awarded to the first three speakers. The College students participated in the various debates arranged by the University Committee for Debates etc. Kumari Meena Shrikantan of the Inter Arts Class won three prizes in the different competitions organized by the Faculty of Arts and the Debating Committee of the Union. Shri Dhaval Mehta got the first prize in the Hindi Debate organised by the All India Radio at Ahmedabad between the students of the Gujarat and the Baroda Universities.

(6) Other Societies :

Besides, the following Associations functioned during the year :

(a) Gujarati Sahitya Sangh
(b) Commerce Society
(c) Geography Association
(d) Music Circle
(e) Dramatic Society
(f) Poor Boys' Library Committee
(g) College Magazine Committee
(h) Students' Association

Several lectures, talks and tours were arranged during the year by the respective associations.

7. Tutorials and Class Work

The tutorial system worked satisfactorily during the year. With a view to prevent craming, the portion of studies to be covered by a tutorial was announced to the students at least a week in advance, but the actual topic was given only at the time of the tutorial. To check the tendency of the students to absent themselves from the Terminal Examination, it was decided to include marks obtained by them in different subjects in this examination also towards the final tutorial marks

with the result that more than 90% of the students prepared well and appeared at the Terminal Examination.

The Tutors set tutorial exercises in consultation with the teachers concerned, examined them and then called the students in small batches to explain the mistakes and to solve their difficulties. To enable the Tutors to maintain a proper standard in valuation of exercises, about 10% of the exercises in each tutorial were valued by one of the teachers in the subjects.

CHAPTER XXI—UNIVERSITY LIBRARY

1. Acquisition Notes

(1) *Books* :

The Library received a grant of $5,000 from India Wheat Loan Book Exchange Programme during the year and Rs. 20,000 from the University.

The India Wheat Loan grant was specially given for books on Science and Technology. The orders for the books from the India Wheat Loan grant were placed and the books started coming in the following year. The book grant from the University has been fully utilized.

There have been some note-worthy acquisitions during the year. A full set of the *Library of Congress Author Catalogues* (233 volumes) has been received and it has proved extremely useful in the re-classification and general reference work. The Library also received *Encyclopaedia Americana* (30 volumes), *Encyclopaedia of Social Sciences* (15 volumes), *Encyclopaedia of Religion* and *Ethics* (12 volumes) and *Encyclopaedia of Chemical Technology* (9 volumes). Besides, some valuable indexes and reference works like *Art Index, Education Index, Essay and General Literature Index, Readers Guide to Periodical Literature* and the *Linguistic Survey of India* etc. have been received.

The following statement gives an idea of book acquisition during the year :

	Books	*Bound Periodicals*	*Pamphlets*	*Manuscripts*	*Maps, Charts etc.*	*Total value in Rs.*
Number at the beginning of the year	40,179	838	750	1	117	5,01,934-5-0
Number added during the year	4,662	469	1,032	Nil	142	1,05,087-4-6
Number withdrawn from records	13	Nil	Nil	Nil	Nil	84-0-0
Total number at the end of the year	44,828	1,307	1,782	1	259	6,06,937-9-6

(2) *Periodicals* :

The total number of periodicals and scholarly journals subscribed for now stands at 541. The total number of journals subscribed by the various Faculties is 412. The Library decided upon the policy of getting the scholarly periodicals bound and started the compilation of a catalogue of the holding of the bound periodicals in the libraries of the University.

2. Cataloguing and Classification work

The cataloguing and re-classification of about 1,00,000 books was undertaken during the year with the help of the temporary staff appointed for the purpose. All the work, except classification of about 10,000 books, has been finished according to the time schedule. The details of the work are as follows :

		Western Language	*Indian Language*
Total number of books to be classified, and catalogued.	98,011	77,328	20,683
Number of books catalogued in 1955-56.	98,011	77,328	20,683
Number of books classified in 1955-56.	87,211	70,328	16,883
Number of books remaining to be classified.	10,800	7,000	3,800

3. Lending and Reference Services

The Library remains open from 8-00 a.m. to 8-00 p.m. on all week days except Saturdays when it remains open from 2-00 p.m. to 8-00 p.m. It is also kept open on Sundays and holidays during the months of annual examination in order to give more facilities to the students.

The number of readers registered in various categories were as follows :

(1)	Research students	26
(2)	Post-graduate students	90
(3)	Under-graduate students	1,236
(4)	University teachers	72
(5)	Others	48
	Total :	1,472

The average daily attendance and circulation of books were as under:

(1)	Average number of readers visiting the Reading Room	105
(2)	Average number of books issued per day	98
(3)	Total number of visits to the Reading Room	27,720
(4)	Total number of books issued during the year	25,872
(5)	Total number of books issued for reference	6,092

The Library has begun the maintenance of a vertical file of important pamphlets received.

4. Seminar on School Libraries

A Seminar on School Libraries was organized by the University Librarian under the auspices of the Extension Services Department, Faculty of Education and Psychology. It was held from the 3rd to the 4th March, 1956. The purpose of the Seminar was to acquaint the teachers in charge of school libraries with the general theory and methods of the main aspects of school librarianship. The Seminar was attended by about 45 teachers from the five districts of South Gujarat.

5. Personnel

An amount of Rs. 18,741 was sanctioned for the classification and cataloguing work and an average of 15 temporary assistants were appointed in addition to the normal staff to help in this work.

6. Other Important events

During the year 1955-56 important decisions relating to the structure, scope of services and administration of the Libraries of the University were taken up.

(1) It was decided that the Library system of the University should be considered from the point of view of administration as one unit. The purchasing, classification, cataloguing and the servicing arrangements be kept under the purview of the University Librarian, so as to ensure uniformity and expert supervision in the classification and cataloguing, servicing and records of the Libraries. This will also help in properly compiling the Union Catalogue to be set up at the University Library.

(2) The policy of purchasing of books and periodicals was also revised. The guiding principles governing the purchase and servicing of curricular reading, general reading and research requirements, both regarding the University Library and the Faculty Libraries, were laid down. It is expected that, in the years to come, they will lead to a much more efficient use of the book grants made by the University.

(3) The Libraries of the University were following different schemes of classification and cataloguing. The catalogues were far from being systematic and comprehensive. It was, therefore, decided, that in all the Libraries of the University, there should be one method of classification and cataloguing; that a Union Catalogue should be compiled at the University Library from which it should be possible to locate all the book resources of the University. It was decided that in view of the availability of the printed catalogues and the resulting economy and speed in re-classification and cataloguing, the Library of Congress classification and its cataloguing methods should be adopted. An amount of Rs. 15,000 was sanctioned to start the process of classification and cataloguing of the Libraries which were to be merged with the University Library, namely the Libraries of the Faculties of Arts, Commerce, Science, Education and Psychology and the Intermediate College. A further grant of Rs. 20,880 was sanctioned for the purchase of catalogue cards and card index cabinets for the purpose.

(4) In view of the paucity of the trained Library Staff at the University and the need for training centre in Librarianship in this region, it was decided to institute a Department of Library Science at the University Library under the Faculty of Arts for providing instruction in a full time Post-graduate Diploma in Library Science. General regulations, syllabi and scheme of examination were finalised and the Department commenced its work from July, 1956. Eleven graduate employees, working in the Libraries of the University, have been selected for the training in the first batch of students.

7. Building

The construction work of the new building of the University Library, which was at a standstill due to the shortage of material, has now been taken up and the ground floor mezzanine has been completed. The new building of the University Library is expected to be ready for occupation in the near future.

CHAPTER XXII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

1. Executive Committee

When the academic year 1955-56 opened, Shri C. M. Shukla continued to be the President and Shrimati Indiraben Bhanot as the Treasurer of the Union.

As required by the Constitution of the Union, elections were held in July, 1955 and the following Executive Committee was formed :

1	Shri C. M. Shukla	President
2	Shrimati Indiraben Bhanot	Treasurer
3	Shri Kishansinh Chavda	Member, nominated by the Syndicate
4	Shri D. M. Ghiya	Member, nominated by the Syndicate
5	Shri K. M. Patel	Vice-President
6	Shri M. T. Acharya	Genral Secretary
7	Shri J. H. Tahiliani	Joint Secretary
8	Shri A. B. Chauhan	Secretary, Reading Room
9	Shri V. N. Pawar	Secretary, Indoor Games
10	Shri Dhawal Mehta	Secretary, Debating Society
11	Shri K. J. Patel	Representative, Faculty of Arts
12	Shri P. J. Talati	Representative, Faculty of Science
13	Shri C. V. Patel	Representative, Faculty of Science
14	Shri J. M. Shah	Representative, Faculty of Commerce
15	Shri C. R. Patel	Representative, Faculty of Education and Psychology
16	Shri H. B. Kothari	Representative, Faculty of Technology and Engineering
17	Shri N. D. Bhagia	Representative, Faculty of Technology and Engineering
18	Shri V. C. Desai	Representative, Faculty of Technology and Engineering
19	Shri A. M. Shah	Representative, Faculty of Medicine
20	Shri R. M. Pandya	Representative, Faculty of Fine Arts
21	Shri A. C. Desai	Representative, Intermediate College
22	Kumari A. S. Ghatge	Representative, Faculty of Home Science



Dr. B. V. Keskar, Union Minister for Information and Broadcasting, at Tea with the Executive Committee of the University Union.

23	Shri V. H. Tahiliani	Representative, Faculty of Social Work
24	Shri K. L. Patel	Representative, Intermediate College
25	Shri J. M. Chaudhari	Nominated by the Syndicate
26	Kumari M. H. Desai	Nominated by the Syndicate

As required under 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 V. N. Pawar
(2) Shri N. D. Bhagia

Students' Welfare Board : (1) Shri M. T. Acharya
(2) Shri C. R. Patel
(3) Kumari A. S. Ghatge

The Union Executive Committee formed the following Committees for various activities keeping in view the aims and objects laid down in the Constitution of the Union :

(1) Reading Room and Library Committee
(2) Indoor Games Committee
(3) Debating Society
(4) Public Leetures and National Day Celebration Committee
(5) Variety Entertainment Committee
(6) U. N. O. Society
(7) Film Club
(8) Hiking Club
(9) Poor Boys' Library Committee
(10) M. S. University Union Co-operative Stores Committee
(11) Cafeteria Committee
(12) Bulletin Committee
(13) Social Service League

2. Sub-Committees and their activities]

(1) Reading Room and Library Committee

The Committee was very active during the year. The Committee took great pains to see that books, magazines and newspapers were received in proper time. The lending section also functioned well.

(2) Indoor Games Committee

To improve the standard of games, the Committee worked vigorously from the outset. All the usual University tournaments in minor games were conducted with great success. During the year the guidance of Shri Shivraman, one of the National Table Tennis players, was made available to our students under Shrimati Rajkumari Amrit Kaur Coaching Scheme. The Dean, Faculty of Home Science, Kumari Justina Singh presented a running Reverend Shri Arjunsingh Trophy for Inter-Faculty Badminton Championship for women. This Trophy was won by the Faculty of Home Science.

(3) Debating Society

The debating Society of the Union arranged debates throughout the year. The Vice-Chancellor's Trophy Debate was one of the most interesting debates. It was held on the 25th September, 1955 subject for the debate being 'This house is of the opinion that in the light of history, co-existence among nations is a delusion.' The Trophy was won by Shri Rumy Mistry. Shri U. N. Baxi was awarded second prize.

A friendly debate between various Faculties was arranged in the Medical College Hall on the 1st December, 1955. The subject of the debate was 'Religion has done more harm than good to humanity.'

Two debates under the Baroda College Silver Jubilee Fund Debating Competitions were arranged on the 2nd and the 13th February, 1956 respectively. The Debate arranged on the 2nd February, 1956 was presided over by the Vice-Chancellor and it was in Gujarati. Shri S. M. Parikh, Shri Dhawal Mehta and Shri Kapadia were awarded prizes.

The Extempore English Speeches Competition was arranged on the 13th February, 1956 in the Central Hall of The Faculty of Arts. The Vice-Chancellor presided over the debate. Kumari Meena Shreekantan, Shri I. S. Cholkar and Shri G. P. Deshpande won the first, second and the third prize respectively.

The Hindi extempore debating competition for the selection of two competitors to participate in the 2nd Inter-University Youth Festival at New Delhi was held and Shri Dhawal Mehta and Shri Kulendu Desai were selected.

Student representatives participated in the Inter-University Radio Debates which were held at Ahmedabad and Bombay.

The Pro-Vice-Chancellor donated a Trophy for Gujarati debates.

(4) *Public Lectures and National Day Celebrations Committee*

The Committee celebrated the following National Days and the following lectures were arranged :

S.No.	*Day and Date*	*Particulars*	*President*
1	Tuesday, 2-8-1955	Schiller German Poet	Shrimati Hansa Mehta, Vice-Chancellor
2	Sunday 7-8-1955	Tagore Day Celebrations	Shri C. C. Mehta
3	Monday 15-8-1955	Independence Day	Shrimati Hansa Mehta, Vice-Chancellor
4	Thursday, 15-9-1955	Shri Jagmohan, the celebrated Musician and Director	—
5	Saturday, 17-9-1955	Dr. J. Smith of the Arvind Ashram, Pondicherry	Shri Kishansinh Chavda
6	Tuesday, 27-9-1955	Swamiji Sambudhanandaji of Ramkrishna Mission Ashram on 'Is there any life after death ?'	Shri D. M. Patel
7	Sunday, 2-10-1955	Gandhi Jayanti Day	Shri M. T. Acharya
8	Thursday, 13-10-1955	Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India. Address to the students	Shrimati Hansa Mehta, Vice-Chancellor
9	Monday, 21-11-1955	Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University 'At Home' and a talk with the Executive Committee members	—
10	Saturday 26-11-1955	Shri M. J. Rindani of Commerce and Industries. Sub. : 'Tea'	Shri M. T. Acharya
11	Monday, 5-12-1955	His Excellency Dr. Harekrushna Mehtab, Governor, Bombay State—At Tea and a talk with the Executive Committee, members, inauguration of the Union Pavilion	—
12	15-12-1955 to 20-12-1955	6th University Week	Shrimati Hensa Mehta, Vice-Chancellor

S.No.	Day and Date	Particulars	President
13	Tuesday, 17-1-1957	Sardar K. M. Panikar, 'At Tea' and a talk with the Executive Committee members	—
14	Thursday, 26-1-1956	Republic Day	Shrimati Hansa Mehta, Vice-Chancellor
15	Saturday, 28-1-1956	Dr. B. V. Keskar, Minister for Information and Broadcasting, Government of India—At Tea and a talk with Executive Committee members	—
16	Saturday, 4-2-1956	Shri N. C. Mehta (I. C. S) (Retd.), Bar-at-Law, A well-known Art Critic of Bombay—At Tea and a talk with the Executive Committee members	—
17	Tuesday, 7-2-1957	Dr. C. P. Ramaswami Aiyar, Vice-Chancellor, Banaras Hindu University—At Tea and a talk with the Executive Committee members	—
18	Wednesday, 22-2-1956	Shri Bhailalbhai Patel, Vice-Chancellor, Saradar Vallabhabhai Vidyapeeth—At Tea and a talk with the Executive Committee members.	—

Almost all the functions, lectures and talks organised by the Committee were well attended and appreciated by the students and the members of the staff of the University.

(5) *Variety Entertainment Committee*

The Committee arranged a musical programme in the evening of the Independence Day *i.e*, on the 15th August, 1955 by putting up some items of Songs, Garba, and Drama.

On the 1st September, 1955 a dance performance was given by Shri Gaurishanker Kathak, a well-known Kathak Dancer.

The Committee calebrated the Gandhi Jayanti Day on the 2nd October, 1955 with a programme of devotional songs, ras, garba, etc. related to the life and ideals of Mahatma Gandhi.

The Committee staged a musical programme on the Republic Day in the front of the Union Pavilion. Various items of songs, garba, ras, folk-dance, etc. were performed by the students. N.C.C. also joined in the programme by giving items like the Boxing, Tatu, etc.

(6) *U. N. O. Society*

(a) *U. N. O. Day*: The tenth Anniversary of the United Nations Day, which fell on the 24th October 1955, was celebrated by the Society. In order to acquaint the students with the aims, objectives and achievements of the U. N. O., a meeting was held in the Baroda College Central Hall, under the presidentship of Dr. C. S. Patel, Pro-Vice-Chancellor of the University. At the outset Dr. C. M. Mehta, Chairman, U. N. O. Society read 'The United Nations Day Tenth Anniversary Message for Youth' received from the U. N. Secretary General. Shri H. C. Malkani, Shri V.Y. Kantak, Shri G. B. Pandya and Shri S. T. Kothari spoke on the various activities of this great world organisation, elucidating the objectives laid down in the U. N. Chapter. In the end, Dr. C. S. Patel exhorted the students to take keen interest in this world organisation, which is working for peace and humanity, pointing out the benefits derived by the various countries, through their different projects implemented in the field of Health, Education, Agriculture and Industry.

Besides this, in co-operation and collaboration with the Baroda City U. N. Day Celebrations Committee the Society jointly celebrated the U. N. Day by holding a public meeting and a cultural programme in the Nyaya Mandir Hall, under the presidentship of Shri T. M. Chaudhary, Collector of Baroda. An exhibition was arranged displaying the flags of all the member nations and a big revolving globe of the world, showing the connection of all nations with U. N. O.

The Society also organised an essay competition on 'Peaceful Co-Existence as envisaged by Panchshilla'. Shri A. D. Sule, Shri A. M. Desai and Shri R. J. Parikh received the first, the second and the third prizes respectively.

(b) *Human Rights Day:* On the 10th December, 1955 the Seventh Anniversary of the Universal Declaration of Human Rights was celebrated by arranging a symposium of 'Teachers, Responsibilities and Obligations'. The subject was suggested by the Executive Board of the Indian National Commission for UNESCO. Accordingly, a very instructive symposium was held in a lively atmosphere under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor, in the Auditorium of the Faculty of Home Science. Some teachers of the University as well as others

from outside took part in the symposium. Professor M. N. Srinivas, Professor N. M. Bhatt, Dr. P. H. Prabhu (Bombay), Kumari Justina Singh and Dr. A. N. de Quadros spoke on different aspects of this very important subject. At the end, Shrimati Hansa Mehta made very instructive remarks, recalling the obligations of teachers to their pupils throughout their life.

(c) Film Show : With the courtesy of the U. S. Information Services the films on Atomic Energy were shown to the students. Large number of students took the advantage of this opportunity.

(7) Film Club

This Committee showed educational and interesting pictures. The membership of the Club has considerably increased.

The following films wecre exhibited :

1st term			*2nd term*	
1.	Parineeta	18-9-1955	1. Texas Carnival	4-12-1955
2.	His Majesty O'keefee	25-9-1955	2. Yatrik	11-12-1955
3.	Kalighata	2-10-1955	3. An American in Paris	18-12-1955
4.	Go-West	9-10-1955	4. Jal	25-12-1955
5.	Sailors Beware	16-10-1955	5. The Prince who was a thief	8-1-1956
6.	Inspector General	23-10-1955	6. Albela	30-1-1956
7.	Doctor	20-11-1955	7. Patita	15-2-1956
8.	Highway—301	27-11-1955	8. Baz	12-2-1956

(8) Hiking Club

The Hiking Club, by arranging hikes, makes an effort to inculcate in the youth of the University the spirit of adventures.

In November, 1955, a preliminary training hike to Guru Shikhar (Mt. Abu) was arranged. A batch of twenty students selected out of the hundred and ten that applied, started on the 7th November, 1955. The hike started from Abu Road on the 8th November, 1955 and after visiting Gau Mukh, Delvara Temples, Guru Shikhar and Achalgadh returned to Abu Road on the 11th November, 1955 covering a distance of about 77 miles in four days.

(9) Poor Boys' Library Committee

The Committee is doing all it can to help students in getting books which they cannot afford to buy. Nearly 400 students were given books

from this library as against 100 students in the last year. Some standard text books recommended by the specialists of the different subjects have been purchased.

During the year, the Executive Committee sanctioned a substantial sum for this Library. A collection was made on the 15th August to help this Library. A number of books are to be added to the library during the vacation and they will be made available to the students from the next session.

The Committee also decided to evolve a scheme for procuring books and lending them to poor students. Books are proposed to be collected from the out-going students in all Faculties during the vacation or in the beginning of the new academic year for lending them to the students who are in need of them.

(10) *Cafeteria Committee*

The Union shifted from Chameli Bag to the Union Pavilion building where there is a completely furnished Lounge. The Cafeteria has started functioning there since June, 1956. On the whole, a good number of students take advantage of the Cafeteria.

(11) *M. S. University Union Co-operative Stores Ltd.*

During the year the Union Co-operative Stores made good progress. It gave a dividend at the rate of 3·5% on the share capital of the Stores. Home delivery service to the members of the staff has been started at present. It is proposed to extend Home delivery service to the students residing in the Halls of Residence.

The Co-operative Stores have been provided with a new commodious shop and a store attached to it near the Intermediate College.

(12) *Bulletin Committee*

The Committee has been able to publish an entirely novel type of Bulletin ' Vishvamitri ' which includes features not introduced in the past.

(13) *Social Service League*

One of the main activities of the League has been the circulation of books and magazines in the Hospitals. The patients particularly those who are convalescing after an operation and who therefore cannot move about—welcome books and magazines help them to while away their time in instructive manner. Shree Sayaji General Hospital runs a Library of its own for this purpose. The League sought to supplement their efforts in

this direction and thus helped to make available to the patients a greater variety of reading material. Besides Shree Sayaji General Hospital books and magazines are also sent to Jamnabai Hospital and T. B. Sanatorium. During the year over fifty books and thirty magazines were collected. Twenty second-hand books worth rupees thirty were purchased during the year. The league also lent books and magazines for use in Remand Home, certified School, and such other institutions.

During the year enrolment of blood donors from amongst the students of this University was started. Dr. J. Mordecai, Head of the Pathology Department was invited to speak on the subject. Blood Bank has been established in Shree Sayaji General Hospital. 20 names of donors willing to donate blood were received. Two of them have already donated 300 c.c. of blood each, and the others are still awaiting their turn to donate.

The League decided to send a donation of Rs. 50 to the Cyclone Fund. The Union also donated Rs. 50 for the same cause from the Union Funds.

3. University Week

Once again the Union was entrusted with the organisation of the University Week celebration and the Union spared no pains to make it a success. The Programme of the Week consisted of the Inauguration by Shrimati Hansa Mehta, Vice-Chancellor on Thursday, the 15th December, 1955. It was followed by Exhibition Games, Inter-Faculty Sports, Inter Faculty Trophy Debate, Festival Cricket Match, University Song composition in all languages, Sanskrit poetry recitation, Entertainment Programmes and the prize distribution.

A note-worthy feature of the programme was Inter-Faculty Garba, Group-Dance, Group-Song and Drama competitions. All these competitions are conducted with a view to encouraging students to participate in the cultural and social activities. It is based on the scheme of Government of India's Inter-University Youth Festival. Trophies and Prizes were awarded to the winners in all contests excepting Group-Song Contest. One more beautiful Silver Trophy for Group Dance was donated by Dr. T. V. Patel.

Exhibitions were separately put up by the Faculty of Home Science, Faculty of Arts, Faculty of Education and Psychology, Faculty of Medicine and Faculty of Technology and Engineering. These Exhibitions were highly appreciated by the students and the citizens of Baroda.

4. Inter-University Youth Festival

Another highlight of the year was the Second Inter-University Youth Festival held at Delhi in which the University participated along with Twenty-five other Universities. The arrangements for the participation in the programme of the Festival were made by the University Union. The selections of the various items were made in conformity with the rules and regulations of the Festival.

Shri Jaswant Thakar, Shri B. P. Kothari and Shri Manohar Acharya were entrusted with the preparations of the Drama (Abu-Hassan). It was highly appreciated both by the audience at the Festival and the news papers of Delhi. Shri Atul Desai, Shri Bhrugu Desai, Kumari Mrudula Desai and Kumari Sudha S. Patel took great pains in preparing the Group-Song team. Kumari Druti Chhaya, Kumari Vishakha Desai and Kumari Jyoti Desai were entrusted with Group-dance preparation. The students also participated in Hindi Elocution, Vocal Music, Classical Dance and Arts and Crafts competitions.

The University Team was one of the most disciplined and popular teams at Delhi. The University Song, which was sung every day at dinner, where the students of 26 Universities were dinning, was highly appreciated.

Shri Manohar Acharya, Shri Arvind M. Shah and Kumari Anjali Kadam were elected to the Executive Committee of Inter-Univesity Youth Association established by the students of the various Universities, who had come to participate in the Festival.

CHAPTER XXIII—VISITS, LECTURES AND DEPUTATIONS

1. Visits

The following distinguished persons visited the University during the year.

1. Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India was invited to address the graduates at the Fifth Annual Convocation of the University held on the 12th October, 1955. He arrived in Baroda in the morning on the 12th October, 1955 and stayed for two days. He delivered an instructive and interesting address to the graduates. He also visited the Faculties of Arts, Education and Psychology, Medicine, Technology and Engineering, Fine Arts and Home Science and Oriental Institute, Department of Museology, Sheth U.P.A.R. Unit, College of Indian Music, Dance and Dramatics, University Library and Shrimati Sarojinidevi Hall of Residence.

(2) His Excellency Shri K. M. Munshi, Rajyapal of Uttar Pradesh, visited the Aurobindo Ashram Pictures Exhibition at the Faculty of Fine Arts and also visited the Faculties of Arts and Home Science, Museum and Picture Gallery, College of Indian Music, Dance and Dramatics, University Union and the Halls of Residence on the 6th July, 1955.

(3) Dr. Charles Russell, the well-known American Museologist visited the Archaeology Department of the Faculty of Arts, Faculty of Fine Arts, Museology Department and Oriental Institute on the 20th August, 1955 and gave a talk on 'The Museums of U.S.A.' to the students.

(4) Shri V. L. Mehta, Vice-Chairman, State Bank of India, visited the Faculties of Commerce, Technology and Engineering, Fine Arts and Home Science and Oriental Institute and addressed the students on 'Co-operative Banking' on the 20th August, 1955.

(5) The French Consul visited the Faculties of Technology and Engineering, Fine Arts and Home Science and the Museum and Picture Gallery on the 28th September, 1955.

(6) Miss Isabella Thoburn, Executive Secretary, United States Educational Foundation in India, visited the Faculties of Arts and Fine Arts on the 4th November, 1955.

(7) Dr. T. A. Koshy visited the Social Education Organisers' Training Centre (C.P.A.), Faculty of Social Work on the 11th January, 1956.

(8) Mr. C. Gilpatric, Assistant Director, Humanities Division, Rockefeller Foundation, New York, visited the Departments of Sociology, Languages and Literature and Archaeology of the Faculty of Arts and Departments of Sculpture and Painting of the Faculty of Fine Arts, Faculty of Education and Psychology, Oriental Institute and the University Library on the 28th and the 29th January. 1956.

(9) Mr. L. C. de Vinney, Associate Director, Social Science Division, Rockfeller Foundation, New York, visited the Department of Sociology, Faculty of Arts to discuss Mahuva Project and other projects and also visited the Faculties of Arts, Education and Psychology, Commerce and Social Work on the 15th and the 16th February, 1956.

(10) Dr. C. E. Brehm, President, University of Tennessee, U.S.A., visited the Faculties of Education and Psychology, Technology and Engineering, Fine Arts and Home Science and Social Education Organisers' Training Centre, (C.P.A.) Faculty of Social Work on the 7th March, 1956.

2 University extension and other lectures

(1) The following lectures were delivered under the auspices of the University during the year :

S. No.	*Date of the lecture*	*Name of the lecturer*	*Subject*
1	(i) 4th January, 1956 (ii) 5th January, 1956 (iii) 6th January, 1956	Professor C. N. Vakil	Growth of Public Sector, Role of Public Sector Implications of mixed economy Foreign capital. The problem of management. Unemployment and small scale Industries
2	(i) 10th January, 1956 (ii) 11th January, 1956	Shri R. P. Desai	Development schemes in the field of electrical engineering with 1st and 2nd Five Year Plans in the Bombay State. Some features of designs and plant selections for Hydroelectric and Steam stations.

S. No.	Date of the lecture	Name of the lecturer	Subject
3	(i) 11th January, 1956 (ii) 12th January, 1956 (iii) 13th January, 1956	Professor P. T. Raju	Idealistic Approaches. Eastern and Western
4	(i) 16th January, 1956 (ii) 17th January, 1956 (iii) 18th January, 1956	Sardar K. M. Panni-kar	India and China
5	20th January, 1956	Dr. B. K. Anand	Higher Nervous control over Visceral Activity
6	(i) 23rd January, 1956 (ii) 24th January, 1956	Shri Mathuranath Shastri	Kavyaswarup and Prakaras with special reference to Rasgangadhara Rasaswarup and various theories of Rasa with special reference to Rasgangadhara
7	(i) 28th January, 1956 (ii) 29th January, 1956 (iii) 30th January, 1956	Shri M. C. Chakra-barti	Advanced topics on Experimental Design
8	(i) 30th January, 1956 (ii) 31st January, 1956 (iii) 1st February, 1956	Dr. C. Gopalan	Current research being carried out in Human Nutrition in India
9	(i) 31st January, 1956 (ii) 1st February, 1956	Professor Fairbanks	What is Linguistics? Applications of Linguistics
10	3rd February, 1956	Dr. L. Alsdorf	Sanskrit Studies in Germany—Past and present
11	(i) 3rd February, 1956 (ii) 4th February, 1956 (iii) 5th February, 1956	Shri N. C. Mehta	Basic concepts of Indian Art The evolution of Art in Gujarat and Rajasthan
12	(i) 18th February, 1956 (ii) 19th February, 1956 (iii) 20th February, 1956	Shri T. D. Kansara	Foreign Trade Finance Balance Sheets Study
13	(i) 20th February, 1956 (ii) 21st February, 1956	Professor T. K. N. Menon	Trends in Public Administration Practice and Theory
14	(i) 2nd March, 1956 (ii) 3rd March, 1956 (iii) 4th March, 1956 (iv) 5th March, 1956	Dr. S. G. Manavala Ramanujan	Man's place among mammals Man's remote origin from among mammals Acquired Characters of Lamarck Inheritance of acquired characters Air breathing organs in Fishes Can Life be created ?

S. No.	Date of the lecture	Name of the lecturer	Subject
15	(i) 5th March, 1956 (ii) 6th March, 1956	Dr. W. S. Woytinsky	Major trends in World Production Major trends in World Population
16	(i) 5th March, 1956 (ii) 6th March, 1956 (iii) 7th March, 1956	Shri Henry Maddick	Nationalization and Democracy The role of the high Civil services in the Welfare State Choice and training of Personnel in Nationalised Industries
17	(i) 7th March, 1956 (ii) 8th March, 1956	Professor S. N. Roy	Non-parametric tests in Multivariate analysis and analysis of variance Indian Students in American Universities

(2) Under the auspices of the Sayajirao Gaekwad Honorarium Lecture Series, Dr. C. P. Ramaswamy Aiyar, Vice-Chancellor, Banaras Hindu University, Banaras, delivered a course of three lectures on the 'Treatment of landscape in Eastern and Western Poetry' on the 6th, the 7th and the 8th February, 1956.

(3) Under the auspices of the Maharaja Sayajirao III Golden Jubilee Memorial Lecture Series, Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University, Calcutta, delivered a course of two lectures as under:

S. No.	Date	Subject
1	20th November, 1955	The problem of discipline in Indian Universities.
2	21st November, 1955	Selection and Training of Personnel for the Public Services.

3. Deputation to Conferences

The following members of the University Staff were deputed to attend the Conference shown against their names as delegates of the University during the year:

	Name of the member of the staff	Name of the Conference and date of its meeting
1	Shri N. B. Patel University Engineer	Conference of the Public Works Department Officers in Poona on the 9th and the 10th September, 1955.

Name of the member of the staff	*Name of the Conference and date of its meeting*
2 Professor M. N. Srinivas Dr. I. P. Desai (Faculty of Arts) and Shri B. R. Deolalikar (Faculty of Social Work)	The Seminar on Casteism and Removal of Untouchability in Delhi during the last week of September, 1955.
3 Shri G. G. Dadlani (Faculty of Social Work)	Annual Conference of the Indian Adult Education Association and the UNESCO Seminar on Literature for Social Education in Delhi during the last week of September and 1st week of October, 1955.
4 Professor B. J. Sandesara Shri C. S. Patel Shri I. A. Dave (Faculty of Arts)	The 9th meeting of the Adhyapak Sangh and the Centenary of Shri Govardhanram Tripathi and the 19th Session of the Gujarati Sahitya Parishad at Nadiad from the 23rd to the 28th October, 1955.
5 Shri D. M. Patel Shri R. N. Mehta Shri S. D. Parekh (Faculty of Arts)	The 19th Session of the Gujarati Sahitya Parishad at Nadiad on the 27th and the 28th October, 1955.
6 Professor P. J. Madan (Faculty of Technology and Engineering)	First Congress on Theoretical and Applied Mechanics at Kharagpur on the 1st and the 2nd November, 1955.
7 Dr. Y. V. Surendranath (Faculty of Arts)	Seminar on Anthropology and Sociology in Madras from the 5th November, 1955 to the 7th November, 1955.
8 Shri H. C. Mehta (Sanskrit Mahavidyalaya)	Fourth Session of the Sanskrit Vishva Parishad at Tirupathy (Andhra) on the 11th and the 12th November, 1955.
9 Dr. (Kumari) B. C. Doctor (Faculty of Fine Arts)	Annual meeting of the Museums' Association of India in Calcutta in the last week of December, 1955.
10 Shri S. D. Manerikar Shri C. C. Shah (Faculty of Science)	Indian Mathematical Conference at Benaras on the 24th, the 25th and the 26th December, 1955.
11 Dr. S. S. Bhawe Dr. B. Subbarao Shri R. N. Mehta (Faculty of Arts) and Dr. U. P. Shah (Oriental Institute)	All India Oriental Conference at Annamalainagar from the 26th to the 28th December, 1955.
12 Professor (Kumari) P. Vakharia Miss O. Swoboda (Faculty of Social Work)	Eighth Session of the Indian Conference of Social Work at Bangalore from the 27th to the 30th December, 1955.

Name of the member of the staff	*Name of the Conference and date of its meeting*
13 Shri U. S. Bhatnagar Shri B. L. Sinha (Faculty of Arts)	13th Session of the Bharatiya Hindi Parishad at Nagpur from the 28th to the 30th December, 1955.
14 Shri H. C. Malkani (Faculty of Arts) and Professor V. Y. Kolhatkar (Faculty of Commerce)	38th Annual Session of the Indian Economic Association at Poona from the 26th to the 29th December, 1955.
15 Kumari I. D. Malani (Faculty of Social Work)	All India Adult Education Conference at Delhi on the 29th and the 30th December, 1955.
16 Dr. N. G. Kalelkar (Faculty of Arts)	Annual General meeting of the Linguistic Society at Annamalainagar from the 26th to the 28th December, 1955.
17 Shri G. B. Pandya (Faculty of Arts) and Dr. M. R. Majmudar (Oriental Institute)	Indian History Congress at Calcutta on the 30th and the 31st December, 1955 and the 1st January, 1956.
18 Shri B. L. Shanbhogue (Oriental Institute)	All India Educational Conference at Delhi in the last week of December, 1955.
19 Dr. V. S. Rajan (Faculty of Commerce)	Annual {Session of the Indian Society of Agricultural Economics at Poona on the 28th, the 29th and the 30th December, 1955.
20 Professor D. V. Gogate (Faculty of Science)	Annual meeting of the Indian Academy of Sciences at Hyderabad from the 27th to the 30th December, 1955.
21 Professor N. M. Bhatt Professor D. V. Gogate Dr. V. G. Phatak Dr. C. V. Ramkrishnan Dr. C. M. Mehta Dr. J. S. Dave Dr. N. S. Pandya Shri A. N. Godbole Shrimati V. A. Janaki (Faculty of Science) Dr. J. D. Pathak Dr. G. K. Karandikar (Faculty of Medicine) Shri L. J. Bhatt Dr. (Shrimati) P. Phatak (Faculty of Education and Psychology) Shri D. F. Pereira (Faculty of Social Work)	43rd Session of the Indian Science Congress at Agra in the 1st week of January, 1956.

Name of the member of the staff	*Name of the Conference and date of its meeting*
22 Shrimati V. A. Janaki (Faculty of Science)	International Seminar on Geography at Aligarh in January, 1956.
23 Professor (Kumari) P. Vakharia (Faculty of Social Work)	5th All India Conference on Moral and Social Hygiene at Jaipur from the 28th to the 30th January, 1956.
24 Kumari Amita Mehta (Faculty of Home Science)	Seventh Conference—Indian Padiatric Society at Indore from the 23rd to the 25th February, 1956.
25 Shri C. C. Shah (Faculty of Science)	Conference on Mathematical Education in South Asia at Bombay from the 22nd to the 28th February, 1956.
26 Shri L. J. Bhatt, Shri T. P. Lele (Faculty of Education and Psychology) and Shri D. F. Pereira (Faculty of Social Work)	First Bombay State Vocational Guidance Conference at Bombay on the 4th March, 1956.
27 Shri K. Krishna Murthy, (Faculty of Technology and Engineering)	13th All India Textile Conference and Industrial Exhibition at Indore from the 26th to the 28th March, 1956.
28 Shri B. R. Deolalikar (Faculty of Social Work)	The Seminar of non-Governmental Agencies working in the field of Rural Development at New Delhi from the 20th to the 22nd April, 1956.
29 Shri S. T. Kothari (Faculty of Arts)	Seminar of Directors of Industries and Heads of University Faculties, Departments and Institutions of Public Administration at New Delhi in the 2nd Week of May, 1956.
30 Shri S. C. Parikh (Faculty of Education and Psychology)	Seminar on the Teaching of Science on Higher Secondary Schools at Simla from the 15th to the 30th June, 1956.

CHAPTER XXIV—STUDENTS' WELFARE ACTIVITIES

1. University Halls of Residence.

(1) Buildings :

The University has been consistently endeavouring to improve the residential facilities for students. During the year 804 students were in residence. A new Hall of Residence—known as Professor T. K. Gajjar Hall—was nearly completed in June, 1955 and it came to be fully occupied from the second term of the academic year. In all, five new Halls of Residence together with Shri Dadabhai Naoroji Hall, Bungalow No. 11 and Keshavprasad were used for the residential purposes of students. The University planned the construction of a new Hall of Residence which is likely to be ready by June, 1957 to cope up with the demand of students.

(2) Number of students in the Halls :

The total number of students in the Halls at the end of the year 1955-56 was 804 against 590 in the last year as shown in the following statement :

Faculty or College	*Shri Manubhai Mehta Hall*	*Maharshi Arvind Hall*	*Dr. Jivraj Mehta Hall*	*Professor T. K. Gajjar Hall*	*Shri Dadabhai Naoroji Hall*	*Bungalow No. 11*	*Keshavprasad*	*Smt. Sarojini-devi Hall*	*Total*
1 Arts	12	7	2	3	3	—	—	15	42
2 Science	41	49	20	33	31	—	—	18	192
3 Education and Psychology	11	13	3	4	4	—	—	11	46
4 Commerce	7	2	2	—	4	—	—	—	15
5 Medicine	9	10	67	12	9	—	—	15	122
6 Technology and Engineering	9	8	28	63	1	42	26	—	177
7 Fine Arts	1	4	—	—	—	—	—	4	9
8 Home Science	—	—	—	—	—	—	—	78	78
9 Social Work	3	7	—	7	—	—	—	7	24
10 Intermediate College	24	20	8	18	9	—	—	13	92
11 Music College	2	—	—	—	—	—	—	5	7
Total	119	120	130	140	61	42	26	166	804

(3) *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' Committeee. One of the Wardens continued to work as Convener of the Wardens' Committee.

It was decided to set np Central Committees for various activities and general direction of resident students. During the year six Committees were functioning to look after and organise students' activities *viz.*, a Central Committee, a Central Food Committee, a Central Committee for Cultural Activities, a Central Sports Committee, a Central Committee for Accounts and Auditing, a Central Committee for Students' Health. The formation of these Committeee has considerably helped the organisation and regulation of student life as these Committees have introduced the principle of self-government in the Halls of Residence under the guidance and supervision of the Wardens' Committee.

(4) *Recreation and other amenities*:

All the Halls have been provided with well-equipped reading rooms and spacious common rooms. They have small libraries also. Students are substantially contributing towards the purchase of newspapers and magazines. The University has appointed two Honorary Medical Officers —one for Men's Halls and the other for Women's Halls. 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 students at a nominal charge.

(5) *Cultural activities*:

The following were some of the functions arranged jointly by the different Halls of Residence during the year:

General items:

(a) Informal programmes of entertainment and meetings for discussion of various problems of student life were the regular features during the course of the year. Sundays and Holidays were thus spent usefully.

(b) On the 11th December, 1955 the members of the Supervisory Council for the Halls of Residence talked informally with the students and had light refreshment with them.

(c) On the 30th January, 1956, a Bhajan programme was arranged on Nirvana Din.

(d) On the 15th February, 1956, Overseas Students' Association had their annual Dinner; several important persons from the city were invited.

Shri Manubhai Mehta Hall:

(1) Dinner was arranged on the 26th January, 1956 when Shrimati Hansa Mehta, Vice-Chancellor was the Chief Guest. Pro-Vice-Chancellor, all Wardens, Registrar, University Engineer and two representatives from each Hall were also invited.

(2) 'Fish-Pond' programme was arranged on the 12th February, 1956 and on the same day the resident students took part in Hostel Day celebrations.

(3) Several new experiments were tried out successfully to improve the quality of food and reduce the budget.

(4) The Table-tennis tournament was arranged. Shri H. M. Mehta won the prize in table-tennis and Shri A. B. Desai, one of the resident students was selected to represent the University in Inter-University Cricket Tournaments.

Maharshi Arvind Hall:

(1) On the 5th July, 1955 Shri Ambubhai Purani of Arvind Ashram, Pondichery gave a talk on 'Evolution of Values'. Shrimati Hansa Mehta, the Vice-Chancellor presided.

(2) On the 15th August, 1955 the resident students had a lunch with some of the University teachers on the occasion of Independence Day.

(3) On the 25th September, 1955 the cosmopolitan club had its annual function.

(4) On the 25th January, 1956 Nail-Art Exhibition was arranged in the Common Room.

Dr. Jivraj Mehta Hall:

(1) Lunch to the Pro-Vice-Chancellor on the eve of his departure to U. K. was arranged on the 15th August, 1955.

(2) An exhibition of Nail painting by Shri Parikh, Nail-Artist of Bombay was organised in the month of February, 1956.

(3) Shri N. C. Mehta, I.C.S. (Retd.) addressed the residents of all the Halls on the 5th February, 1956.

Professor T. K. Gajjar Hall:

(1) On the 2nd October, 1955 resident students of the Hall organised a Dinner. Professor D. Subbarao, Dean, Faculty of Technology and Engineering addressed the students.

(2) On the 27th November, 1955 a Talk on 'Tea' was arranged by Shri M. J. Rindani, Department of Commerce and Industries.

(3) On the 4th December, 1955, dinner and entertainment programmes were arranged. The Chief Guest was Dr. C. S. Patel, Pro-Vice-Chancellor.

(4) On the 7th February, 1956 dinner programme was arranged. The Chief Guest was Dr. C. P. Ramaswami Aiyar, Vice-Chancellor, Banaras University.

(5) On the 21st February, 1956 programme of *'Chaturno Chotro'* in Gujarati was arranged.

Shri Dadabhai Naoroji Hall:

(1) Seven students of the Hall secured 1st class in the University examinations. Shri M. G. Sahani stood 1st class first in M.Sc. examination.

(2) Shri Y. G. Patel, student of the Hall, represented the University in Inter-University Badminton Tournaments at Poona.

(3) Dinner party was arranged in January, 1956. Shrimati Hansa Mehta, Vice-Chancellor was the Chief Guest.

Bungalow No. 11 and Keshavprasad Hostels:

(1) Students played a friendly Volley Ball match against the Rolling Mills Volley Ball club on the 10th August, 1955 and won the match.

(2) Students played a friendly Volley Ball Match against Thorat Vyayamshala Volley Ball team. The match was well contested and the students won the match.

(3) Flute recital and song programme was given by Shri M. N. Amin and Shri A. N. Sexena on the 26th January, 1956.

(4) An annual dinner was arranged on the 8th January, 1956 and the Dean and Heads of Departments of the Faculty of Technology and Engineering and Wardens of all Halls of Residence were invited. Professor D. Subbarao, the Dean, Faculty of Technology and Engineering gave an interesting talk on various aspects of hostel life.

Shrimati Sarojinidevi Hall:

(1) Dinner programme was arranged on the 7th February, 1956. The Chief Guest was Dr. C. P. Ramaswami Aiyar, Vice-Chancellor, Banaras University.

(2) Farewell Dinner party in honour of the out-going inmates of the Hall was arranged on the 3rd March, 1956. Shrimati Hansa Mehta, Vice-Chancellor graced the occasion.

(6) *Visits*:

(1) His Excellency Shri K. M. Munshi, the Governor of Uttar Pradesh, visited the Halls.

(2) Professor N. K. Sidhanta, Vice-Chancellor, Calcutta University, visited the Halls on the 22nd November, 1955.

(3) Shri Ambubhai Purani of Arvind Ashram, Pondichery visited the Halls on the 5th July, 1955.

(4) Shri N. C. Mehta, I.C.S. (Retd.) visited the Halls on the 5th February, 1956.

(5) Shri V. L. Mehta, Vice-Chairman, State Bank of India, visited the Halls on the 20th August, 1955.

(6) The delegates to the Regional Seminar of Headmasters and Inspectors sponsored by the Ministry of Education, delegates to the Third All India Seminar on Vocational Guidance, delegates to the Seminar on the teaching of co-operation and the delegates to the Conference of Principals of Technical Institutions (India) enjoyed their stay with the students of various Halls.

(7) *Noteworthy events*:

Shri Vipin N. Shah, a resident student of Dr. Jivraj Mehta Hall studying in Final year of M.B.,B.S. Class, won Sheth Todarmal Chimanlal Shamal Bechar Vallabh Vedant Prize for the year 1954 of Rs. 350 for writing the best essay on 'Vallabhacharya as an Interpreter of the Brahma-Sutras'.

On the 13th October, 1955 all resident students, men and women organised a dinner in honour of Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India.

On the 12th February, 1956, a delightful evening programme was organised to celebrate the Hostels' Day,

2. Medical examination of students

The University arranges during the first term of every academic year, a medical check up of all the students who are admitted for the first time to the University and of all those who are required to undergo the follow up work as per the previous year's report. Others are required to appear in the alternate years for the medical examination. During the year the medical examination was conducted in Shri Sayaji General Hospital, Baroda, as usual from the 26th July, 1955 to the 18th September, 1955 by a board consisting of specialists. The Board checked up 2,323 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 cases marked by the Board for further attention.

3. Physical Education

(1) Staff:

The University has a separate department of Physical Education to organise and conduct various physical education activities such as A.C.C., major games, sports, boating, youth camps and campus work projects. The staff consisted of one Superintendent, 4 qualified Physical Instructors including one Lady Physical Instructor, and 1 class III and 5 class IV servants. The Superintendent also acted as the Ex-officio Secretary of the University Board of Sports.

(2) Auxiliary Cadet Corps:

During the year the number of cadets enrolled was 1351 including 242 girl cadets. Training in Drill, P.T., Marching, Games and Road March was imparted. Special training was also imparted in in Gymnastic activities such as Vaulting, Tumbling and Pyramid building.

Demonstrations in Mass P.T., Vaulting, Tumbling and Pyramid were put up by the selected Cadets on the Independence Day, and at the time of inauguration of the Baroda College Union Pavilion by H. E. the Governor of Bombay and of the University Week by the Vice-Chancellor.

8 A.C.C. officers and 69 student leaders trained by the Army Instructors under the command of the Officer Commanding, 6th Bombay Bn., N.C.C. Baroda helped the organisation of the A.C.C.

(3) Major Games and Boating:

In all 300 students participated in major games such as Cricket, Football, Hockey, Volleyball, Basketball, Tennis, Badminton and Kho-Kho and 118 students participated in Boating.

These activities were supervised and conducted by the Physical Instructors and the Officers-in-charge of Cricket, Tennis, Badminton and Boating.

(4) Annual Sports:

As a part of the University Week Celebrations Annual Sports were held on the 16th and 17th December, 1955. In all 469 students including 157 women students took part in different Track and Field events.

The Individual Championship for men and women was won by Shri M. S. Ukhade of the Faculty of Science and Kumari Lata Parab of the Intermediate College respectively.

The prizes were given away to the winners of different events by the Vice-Chancellor.

(5) Inter-University Tournaments:

During the year the University Teams participated in Cricket, Hockey, Tennis, Badminton and Kho-Kho Tournaments. The Cricket Team after defeating Nagpur and Poona Universities' teams qualified for the semi-finals but were not lucky to qualify for the finals (South Zone). The Hockey Team which had to face a very strong Madras team, lost the match after putting up a grand fight. The score was 2-1.

The Kho-Kho team (Men and Women) entered the Inter-University Kho-Kho Tournaments for the first time held at Bangalore. The Kho-Kho team (men) won the Championship by defeating Poona in the finals. The Kho-Kho Team (Women) were runners-up.

(6) Local Tournaments:

The performance of the University Cricket, Hockey and Football Teams was praiseworthy throughout the year. The Cricket Team and the Hockey Team won the Randle Cup and Col. Bhau Saheb Gaekwad Troyhy respectively. The Football team had to play against a strong Dogra team in the final match and were unlucky to lose the Mahajan Cup by only 1 point. The University Table Tennis Team participated in the All Baroda Table Tennis Tournament and won the H. H. Maharani Shantadevi Trophy.

(7) Inter-Faculty Tournament:

Inter-Faculty Tournaments in Hockey, Volleyball, Throwball, Kho-Kho, Hu-tu-tu, and Tennis-koit were held in the second term. Almost all the Faculties participated in these tournaments. The Faculty of Technology and Engineering won Hockey, Volleyball, Hu-tu-tu tournaments, and the Faculty of Science won the Kho-Kho tournaments. The throw ball and Kho-Kho tournaments (Ladies) were won by the Faculty of Home Science and the Intermediate College respectively.

(8) Coaching Training Camps:

To improve the standard of games and sports in the country Coaching Training Camps are being conducted by the Government of India, Ministry of Education. Selected staff members of the University were deputed to attend Coaching Camps in Cricket, Badminton, Football, Kabaddi, Athletics and Wrestling. They have already completed training under first rate Coaches of India.

(9) Campus Works Projects:

As per the Campus Works Projects Scheme of the Government of India, Ministry of Education, the work of the excavation of the Swimming Pool by the students was taken up in the beginning of the second term and within a period of about two months the work was completed. More than 2,000 students from different Faculties and Institutions contributed their labour in completing this project.

(10) Youth Camp and Labour Service:

According to this Scheme of the Government of India, Ministry of Education, 2nd Youth Camp of the University students was organised at village Aat in Navsari District from the 1st May to the 21st May, 1956. It was attended by 150 students and they constructed the approach roads to the bridge. Shri K. K. Thakore, Reader in Electrical Engineering, Faculty of Technology and Engineering was the Camp Commandant and Shri B. K. Naik, Superintendent of Physical Education was 2nd in Command.

The Vice-Chancellor, the Pro-Vice-Chancellor, the Dean, Faculty of Arts and Professor P. J. Madan, Convener of the Youth Camp and Labour Service Sub-Committee visited the Camp on the 19th May, 1956 and addressed the students. Dr. Jivraj N. Mehta, Finance Minister, Bombay State, also visited the Camp on the 12th May, 1956 and addressed the students.

4. National Cadet Corps

During the year the N.C.C. activities at the University expanded. In addition to the 6th Bombay Battalion, N.C.C., 5th Bombay Girls Troop, N.C.C. and 18th Bombay Engineering Platoon, N.C.C. were inaugurated. Orders about the raising of a Medical Company, *viz.* 20th Bombay Medical Company N.C.C. were already issued during the year. 5th Bombay Girls Troop, N.C.C. functioned as a two sub-troop unit during the year. Since the 17th June, 1956 it has become a full-fledged Troop with three sections. 18th Bombay Engineering Platoon commenced functioning during the end of the year.

(1) 6th Bombay Bn. N.C.C.

The Unit continued its activities during its fifth year under the command of Captain T. K. Vijayarangam. The Commanding Officer is assisted by an Administrative Officer and eight N.C.C. Officers. The authorised strength of N.C.C. cadets *viz.* 315 cadets was completed as soon as the N.C.C. activities commenced.

The Unit had the honour to present a Guard of Honour to Bharat Ratna Dr. S. Radhakrishnan, Vice-President of India, on the 12th October, 1955 when he was the Chief Guest at the Convocation of the University. H. E. the Governor of Bombay inspected the unit and took the salute at the Ceremonial Parade on the 5th December, 1955 while inaugurating the N.C.C. week and declaring open the building of the Union Pavilion. The Vice-Chancellor, the Honorary Lt. Col. of the Unit, took the salute at the Ceremonial Parade held on the 15th August, 1955 and the 26th January, 1956.

The normal training of the Unit was maintained at a high standard.

The result of the N.C.C. B Certificate Examinations was 85 percent. All the nine cadets who appeared for the N.C.C. C Certificate Examination passed.

No. 1 Circle Cadet Corps Combined Cadre Camp, organised at Belgaum from the 28th October, 1955 to the 10th November, 1955, was attended by the cadets of the Unit led by Lt. N. P. Salvi. The unit did exceedingly well at the Cadre, having won the first prize in standard of line discipline.

The Unit was inspected by Lt.Col. F. J. Britto, Commander No. 1 Circle Cadet Corps and other high ranking military officers. The Unit won the Circle Commander Trophy for the best maintained Unit.

The Administrative Officer was detailed on the staff of the A.C.C. Teachers Training Camp at Khadakwasla and then at the No. 1 Circle Combined Social Work and Labour Camps of the Auxiliary Cadet-Corps held at Aarey Milk Colony from October, 1955 to January, 1956.

The fourth Annual Camp of the Unit was held at Cambay from the 25th December, 1955 to the 7th January, 1956. The courage shown by the party of cadets and Army N. C.Os. under the leadership of Lt. B. G. Desai in extinguishing the fire at the Anand Railway Station on the 25th December, 1955 while on their way to the Camp was well appreciated by all. In addition to the normal training, the N.C.C. officers and Cadets constructed a road from the Cambay port to the town. The standard of Camp layout, administration and discipline were appreciated by many visitors including the Pro-Vice-Chancellor and the Dean, Faculty of Arts. A party of cadets led by Lt. D. M. Patel participated in the fourth Combined Cadre and Social Service Camp of No. 1 Circle organised at Radhanagari near Kolhapur in May, 1956.

Two of the Lieuts. of the Unit Sarvashree K. A. Amin and N. B. Joglekar, resigned from the Unit as they proceeded abroad for professional training. Lieuts. S. S. Dighe, N. M. Patel and N. T. Sheth joined the Unit during the year. Lieuts. R. S. Dighe and G. G. Lele were transferred to the 18th Bombay Engineering Platoon N. C. C.

Lt N. P. Salvi won a prize as the Second Best Officer at the Combined N. C. C. Officers Cadre Camp held at Dehradun in April-May, 1956 which he attended along with two other officers of the Unit.

Shri K. P. Mehta and Shri Pathak, former Under-officers who were the first N.C.C. cadets from this Unit to join the N.C.C. course at the National Defence Academy have been commissioned in the Gurkhas and Artillery respectively. During the year two of the former Under-officers joined the Academy for the N. C. C. course, while another has joined the Academy for the Graduates Commission in the Engineers.

(2) 5th Bombay Girls Troop N. C. C.

The Troop was formally raised by Capt. T. K. Vijayarangam on the 20th June, 1955 with a strength of two N. C. C. lady officers and 60 girl cadets. An impressive oath-taking parade was organised on the 15th August, 1955 when the cadets gave the N. C. C. promise of duty and loyalty. The high standard of turnout, discipline and training displayed

by the Officers and Cadets of the Troop during this and other ceremonial parades was much appreciated.

The Troop was inspected by the Circle Commander. No. 1 Circle N.C.C. and other military officers who appreciated the standard of the Troop.

The Troop under the leadership of 2 Lt. (Kumari) S. A. Nachane, participated in the Combined Annual Camp of the Girl Division Units of No. 1 Circle, held at Aarey Milk Colony in April-May, 1956. It won the shooting competitions and was adjudged as the second best troop of the Circle. Since the 17th June, 1956 the Troop has become a full Troop with three sections.

2/Lt. (Mrs.) Murray left the Unit consequent upon her leaving the University. 2/Lieuts. Shrimati Hemalata Chavan and Kumari Indira Patel joined the Troop during the year.

2/Lt. (Kumari) S. A. Nachane assumed the Command of the Troop from the 3rd July, 1956.

(3) 18th Bombay Engineering Platoon N.C.C.

The Engineering Platoon commenced its activities from the 17th June, 1956, under the command of Capt. J. Deshmukh. Its strength is drawn from the Faculty of Technology and Engineering.

5. General Education Scheme :

The scheme of General Education started in the year 1952-53 was continued during the year also. Seven lectures for the B.A. and B.Com. classes and three for the B.Sc. Senior class were arranged during the year. The lectures were always followed by detailed discussion.

The University also decided that in the Preparatory course in Arts, Science and Commerce, General Education through English be taught as a compulsory subject. The question of having the subject of General Education in the three year degree course was under consideration of the various bodies of the University. The General Education Committee which met on the 14th September, 1955 recommended that there should be three courses as under in General Education during the first two years of the three year degree course, where two courses other than the course

in which the subjects of specialisation fell, will be compulsory for all the students :

(1) Humanities
(2) Social Sciences
(3) Natural Sciences

The three Sub-committees appointed by the Syndicate on the 23rd October, 1955 framed the syllabus and prepared lists of books in these courses. They also prepared a detailed scheme of General Education. The names of different subjects to be covered in each area with the total number of lectures allotted for each subject as recommended by these committees are as under :

A. *Humanities :*

1.	World History	15 lectures
2.	Philosophy	15 lectures
3.	Ancient Indian Culture	10 lectures
4.	World's Great Literary Classics (including appreciation of Arts and Literature)	20 lectures
	Total	60 lectures

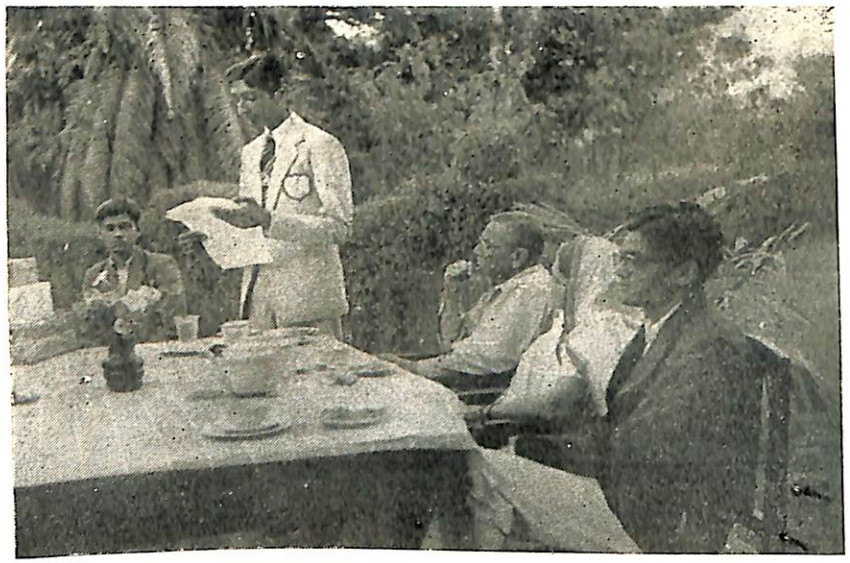
B. *Social Sciences :*

1.	Social Psychology	15 lectures
2.	Sociology	15 lectures
3.	Economics	15 lectures
4.	Politics	15 lectures
	Total	60 lectures

C. *Natural Sciences :*

1.	Chemistry	12 lectures
2.	Physics	12 lectures
3.	Botany and Zoology	24 lectures
4.	Geography and Geology	9 lectures
5.	Astronomy	3 lectures
	Total	60 lectures

At a joint meeting of the above-mentioned three sub-committees held on the 3rd February, 1956 it was recommended that the existing practice of prescribing a text-book in English language for General Education at the Preparatory course be continued and that a special text-book



The Vice-Chancellor at the Annual Gathering of the U.S.R.C.

in General Education be prepared later in the light of the experiences in conducting the different courses of General Education at the first degree level.

The General Education Committee also recommended that the classes in General Education for lecture purposes should not be split up but for discussion purposes they should not ordinarily be of more than 25 Students and that the teachers who will take part in the discussion classes, should also attend the lectures as far as possible.

It was also recommended that an examination for General Education may not be held but the maintenance of internal record for each and every student be prepared and that every student should achieve some acceptable standard before he is allowed to appear in his degree examination.

6. Students' Representative Councils

These Councils are constituted in each Faculty and Institution of the University. It consists of elected representatives of the students. They discuss the various problems concerning the students and bring them to the notice of the Dean of the Faculty or the Head of the Institution concerned. For discussing the problems concerning all the students of the University as a whole, University Students' Representative Council of one elected representative of each Faculty and Institution Representative Council is also constituted. The following were the members of the University Students' Representative Council during the year :

1. Shri J. M. Bhandari (Junior B.A.), Faculty of Arts
2. Shri A. D. Patel (Inter Science), Faculty of Science
3. Shri C. R. Patel (B.Ed.), Faculty of Education and Psychology
4. Shri N. G. Parikh (Jr. B. Com.), Faculty of Commerce
5. Shri R. M. Patel (D.M.E.), Faculty of Technology and Engineering
6. Shri D. A. Patel (Vth year M.B.B.S.), Faculty of Medicine
7. Shri R. K. Parimoo (Jr. M.A. [Fine]), Faculty of Fine Arts
8. Kumari T. A. Pillai (3rd year B.Sc. [Home]), Faculty of Home Science
9. Shri C. P. Gulati (Sr. M.S.W.), Faculty of Social Work
10. Shri C. D. Amin (Prep. Commerce), Intermediate College
11. Shri M. M. Mistry (1st year Diploma), College of Indian Music, Dance and Dramatics
12. Shri Ramanand Bhramachari (Advance course), Sanskrit Mahavidyalaya

TA LIBRARY,

32

7. Students' Common Room

Through the kind donation of Shri Shanabhai Patel, University Contractor, the University has built a common room in the Baroda College area for the students of the University. A Committee consisting of the members of the teaching staff of the Faculties of Arts, Science and Commerce continued to be in charge of the Hall during the year. It was kept open on all working days between 9-0 a.m. to 11-30 a.m. and 12-30 p.m. to 5-30 p.m. On an average about 400 students per day took the advantage of the Hall.

The Faculties of Arts, Science and Commerce subscribed Re. 1/- per student towards the expenses of the Hall. Out of this, dailies, magazines, periodicals—both foreign and Indian and materials for the indoor games such as carrom, draught, chess, table-tennis were provided in the Hall. A few more books for the small library of the Hall were also purchased during the year.

The Cafeteria started last year has become popular among the students. It was kept open from 9-30 a.m. to 11-30 a.m. and 1-00 p.m. to 5-00 p.m. on all working days. The cafeteria made a net profit of Rs. 323 during the year. This amount will be utilised in providing more and better facilities in the Hall.

During the year the Faculties of Arts, Science and Commerce and the Intermediate College organised their indoor games tournaments in the Hall. Social functions such as at homes, send off parties under the auspices of these institutions as well as their societies were also organised in the Hall.

38188