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M. S. University of Baroda

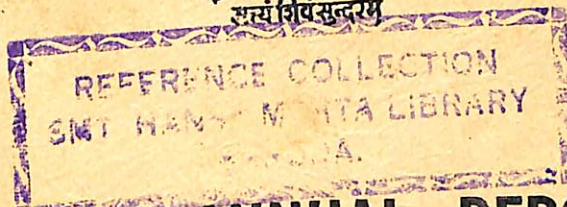
Eighth  
Annual Report

1956-57



**NOT TO BE ISSUED**

**The Maharaja Sayajirao University  
of Baroda**



**EIGHTH ANNUAL REPORT**

**1956-57**



**BARODA**





# EIGHTH ANNUAL REPORT, 1956-57

( 1st July, 1956 to 30th June, 1957 )

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



EIGHTH ANNUAL REPORT, 1956-57

### 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 the faculties of Arts, Science, Technology and Agriculture, 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. Circumstances, 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 1937
- 3 The Pratapsinh College of Commerce and Economics 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 Chair-



manship 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 a 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 re-organised into six Faculties of Arts, Science, Education and Psychology, Medicine, Commerce, and Technology and Engineering, and the First Year and the 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 prescribed 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 taken place 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 preceeding years are described in the seven Annual Reports published so far. This eighth Annual Report covers the period from the 1st July, 1956 to the 30th June, 1957 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. It also provides a post-graduate course leading to the Diploma in Library Science.
- (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 the diploma of 'Visharad' and the 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 Ph.D. degree. The Faculty also provided instruction in the courses for Preparatory Science and Intermediate Science examinations upto March, 1957.
- (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 the 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, under-graduate 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. and M.E. (Civil, Mechanical and Electrical), B.Text. (Eng.), B.Text. (Tech.), and B.Arch., the diplomas in Civil, Mechanical and Electrical Engineering, Textile Chemistry, Textile Technology and Architecture; and the certificate courses for Turners and Fitters, Wiremen, Carpentry, Dyeing and 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, post-graduate diploma course in Museology, diploma courses in Textile Design 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: Provided courses leading to the Preparatory and Intermediate examinations in Arts and Commerce upto March, 1957. From June, 1957 it provides courses leading to the Preparatory Arts, Science and Commerce examinations only.
- (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 1956-57

Institution	*Post-gradu- ate courses		Degree Courses		Diploma Courses		Total		Grand Total 1956-57	Grand Total 1954-56	Grand Total 1954-55
	Men	Women	Men	Women	Men	Women	Men	Women			
I	2	3	4	5	6	7	8	9	10	11	12
1 Faculty of Arts	115	24	243	75	—	—	358	99	457	490	408
2 Faculty of Science	85	7	919	71	—	—	1004	78	1082	1121	1128
3 Faculty of Education and Psy- chology	38	11	96	43	28	6	162	60	222	219	208
4 Faculty of Commerce	25	1	169	1	19	—	213	2	215	245	221
5 Faculty of Medicine	58	7	256	38	—	—	314	45	359	341	259
6 Faculty of Technology and En- gineering	8	—	460	3	787	—	1255	3	1258	1306	1189
7 Faculty of Fine Arts	13	1	49	8	11@	1@	73	10	83	99	69
8 Faculty of Home Science	—	9	—	205	—	—	—	214	214	181	148
9 Faculty of Social Work	36	10	—	—	—	—	36	10	46	34	44
10 Intermediate College	—	—	758	203	—	—	758	203	961	767	707
11 College of Indian Music, Dance and Dramatics	3	1	19	12	—	—	22	13	35	37	23
12 Baroda Sanskrit Mahavidyalaya	3	—	9	24	—	—	36	—	36	43	52
Total	384	71	2978	869	7	4231	737	4968	4883	—	4456

\* includes Ph.D. & Master's degree and post-graduate diploma students.

@ includes post-diploma students also.

Non-university students at the commencement of the year 1956-57

Institution	Men	Women	Grand Total 1956-57	Grand Total 1955-56	Grand Total 1954-55
<b>(a) Diploma Courses</b>					
1 College of Indian Music, Dance and Dramatics	434	157	591	484	335
<b>(b) Certificate Courses</b>					
1 Faculty of Technology and Engineering	99	—	99	119	132
2 Faculty of Fine Arts	11	2	13	7	2
3 Baroda Sanskrit Mahavidyalaya	42	—	42	64	53
<b>(c) S. S. C. Courses</b>					
1 University Experimental School	209	155	364	384	392
2 Technical High School	103	—	103	142	153
3 S. S. C. Music Classes	—	—	—	3	13
<b>(d) Nursery Courses</b>					
1 Chetan Balwadi	30	30	60	60	60
Total	928	344	1272	1263	1140



### 3. Special features of the year

#### (1) Progress of Important Research Projects\*

- (i) Department of Gujarati has two schemes on hand viz.
  - (a) Editing and publishing critical editions of Old Gujarati Texts under the title *Prachin Gurjar Granth-mala*; which has five volumes to its credit. The last two volumes *Nalakhya* and *Varnak Samuchhaya* were published during the year. (b) Publication of the literary material of late Professor B. K. Thakore, where two volumes *Niruttama* and *Lectures by Professor B. K. Thakore Part III* are published so far.
- (ii) Department of Archaeology carries out explorations and excavations at selected sites and publishes results under the title 'M. S. University of Baroda Archaeological Series'. The third volume of the series 'The Personality of India' was published during the year.
- (iii) Department of Sociology has three major schemes on hand. (a) Sociological study of a multi-caste village in Gujarat for which Barot records are available is being conducted under a grant from Chicago University. (b) A study of urbanisation and industrialisation in a village is financed partly by the University Grants Commission as a part of its scheme of research in Social Tensions. (c) A study of the Social Changes in Mahuva, a coastal town in Saurashtra, is being financed by the Rockefeller Foundation of U. S. A.
- (iv) Department of History has been doing research in (a) the Muslim History of Gujarat from 1200 to 1750 A.D. and (b) editing the records of correspondence between Baroda Government and Baroda Residency.
- (v) The Oriental Institute has undertaken since the year 1951 the publication of a critical and illustrated edition of the Valmiki Ramayana. The work is expected to continue for eight years and estimated to cost Rs. 8.25 lakhs. Work of collation of *Bal-kanda* and *Ayodhya-kanda*

\* For other items of Research please see Chapter VII.

having been completed, editing of these *Kandas* has been taken up and portion of the *Bal-kanda* is in Press. The collation of *Aranya-kanda* has been taken up.

- (vi) 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 manuscript of the first volume covering the pre-history period upto 942 A.D.—the end of Chavda rule—is ready and being scrutinized by a committee of experts.
- (vii) In Chemistry Department, research work is being done on Halogenation of Coumarins and flavones, Chemical investigations of medicinal plants, colouring matter of *Raphanus caudatus*, etc. Work is also being done on the construction of a magnetic balance under a grant from the Ministry of Education, Government of India.
- (viii) Bio-chemistry Department is working on two schemes sponsored by the Indian Council of Medical Research :
  - (a) Studies on animal tissues in a synthetic culture, and
  - (b) Studies on human lactation. It is also working on a project C4 Metabolism in *A. Nigar* and Food Yeast under grants from Council of Scientific and Industrial Research and Bombay Industries Research Committee respectively.\*
- (ix) Department of Zoology does research work in the fields of Animal Physiology, Avian Biology and Comparative Anatomy.
- (x) Botany Department conducts research in the fields of Embryology, Flora of area round Baroda and Pavagadh Hill, grasses and grass-lands of Gujarat.
- (xi) Physics Department works in the fields of Heat transfer, Viscosity measurements, Inter-ferometry and Crystal growth. A scheme of Optical studies on etched surfaces of metal and alloy crystals is also taken up on a grant from the Council of Scientific and Industrial Research.

\* The University is financing research to study the mechanism of formation of different acids in various plant tissues.



- (xii) Department of Statistics is engaged in various statistical summaries and analyses and some problems of Mathematical Statistics.
- (xiii) Faculty of Education and Psychology works on four schemes of research : (a) Vocational and educational guidance, (b) Construction and standardisation of achievement tests in Gujarati, (c) Rural work project, (d) Inquiry into Psychological factors related to adolescent adjustments. The first three schemes are financed by the Government of India and the fourth by the Indian Council of Medical Research.
- (xiv) Faculty of Commerce is conducting a joint study of Rural incomes and savings in Gujarat and Rural capital formation under the auspices of the Planning Commission. The work is nearing completion.
- (xv) Faculty of Medicine carries on three schemes under Indian Council of Medical Research grants *viz.* (a) Inquiry on the influence of cooking on the nutritional value of foods, (b) Vitamin B Complex deficiency and toxæmia in pregnancy, (c) Influence of antirheumatic substances on the hyperphysico-adrenocortical axis.
- (xvi) Faculty of Technology has started research work in its various departments. Some of the schemes undertaken during the year are : (a) Reinforced stone and brick work, (b) Shear strength of Indian soils for dams and foundations, (c) Machines for spinning and picker testing, (d) Circuit analysis of magnetic amplifiers, (e) Low cost housing, (f) Study in Naphthol dyes, etc.
- (xvii) Faculty of Social Work carries on a Survey of the graduates of the Schools of Social Work. The scheme is financed by the University Grants Commission.
- (xviii) College of Indian Music, Dance and Dramatics has a research section which prepares a bibliography of published and unpublished works on music, a subject index catalogue on various topics of music, and carries on inquiries in subjects like family history of different

*gharanas*, the state and form of music in different periods of history, etc.

## (2) Important events

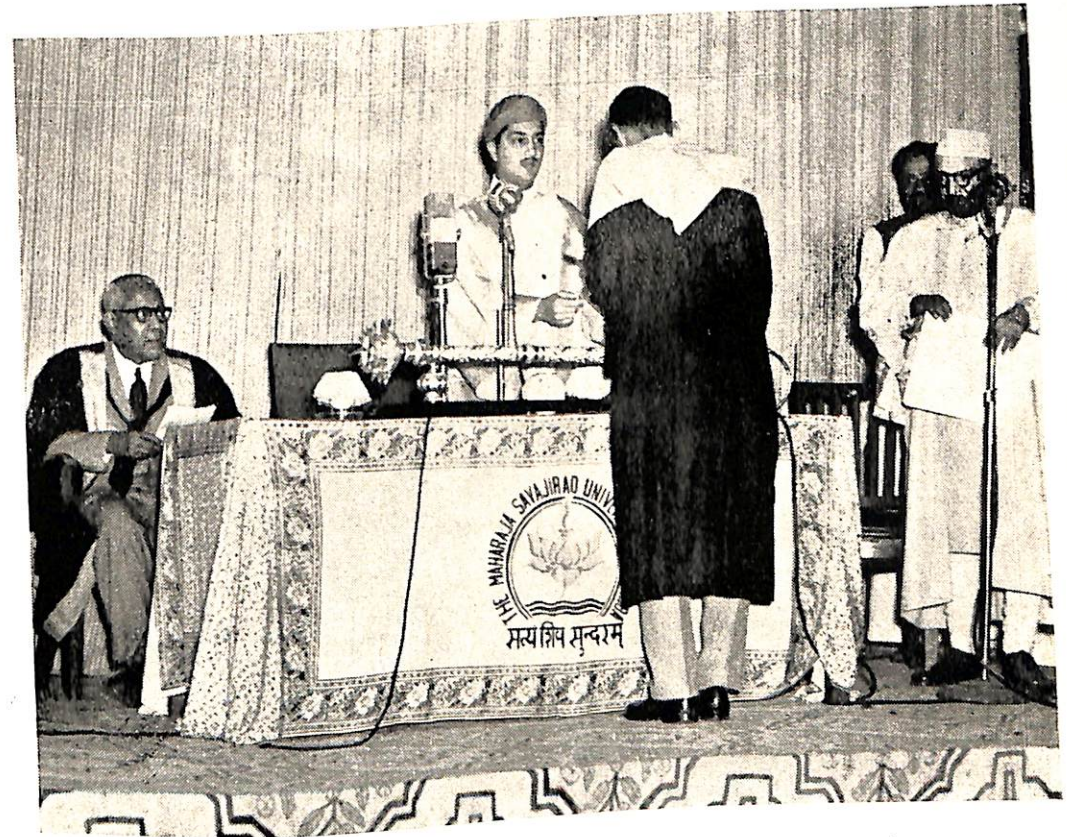
- ( i ) The University started the following new courses from July, 1956 :
  - ( a ) Post-graduate diploma in Library Science,
  - ( b ) Master of Engineering—Civil, Mechanical and Electrical.
- ( ii ) The Fourth meeting of the All-India Council of Secondary Education was held in the University in December, 1956.
- ( iii ) The French Cultural Week was organised by the University from the 1st to the 8th July, 1956 and the German Cultural Week from the 12th to the 18th December, 1956. The programme included lectures by the Consuls of the respective countries, exhibitions of pictures and photographs and film shows on the various aspects of life in these countries.
- ( iv ) The Annual Conference of the Indian Mathematical Society was held under the auspices of the University at Baroda in the last week of December, 1956.
- ( v ) Conference of the representatives of the eight Universities in the Western Region on General Education was held in the University on the 6th and the 7th February, 1957.
- ( vi ) A Workshop on Examinations was organised in the Faculty of Education and Psychology by the Ministry of Education, Government of India, for Lecturers in Training Colleges in India in the month of March, 1957. It was conducted by Dr. Benjamin Bloom, the Chicago University expert.
- ( vii ) The Sanskrit Commission appointed by the Government of India visited the University on the 21st and the 22nd April, 1957.
- ( viii ) Three members of the staff of the Faculty of Arts—Professor M. N. Srinivas ( Sociology ), Professor B. J. Sandesara ( Gujarati ) and Dr. N. G. Kalelkar ( Linguistic ), received grants from the Rockefeller Foundation, U.S.A., for study and lecture tours in U.S.A.



- ( ix ) Professor T. K. N. Menon, Dean, Faculty of Education and Psychology was included in the delegation of educationists sent by the Government of India to U.S.S.R. to study the educational system of that country.
- ( x ) In the team of University teachers sent by the Government of India to U.S.A. under Wheat Loan Educational Exchange Programme to study General Education, two teachers of the University—Shri V. Y. Kantak, Reader and Head of the Department of English and Shri K. S. Yagnik, Senior Lecturer in Education—were included.
- ( xi ) The University decided to introduce three year degree courses in Arts, Science and Commerce from June, 1957.
- ( xii ) The Sixth Annual Convocation for conferring degrees and diplomas was held on the 13th October, 1956 in the Shami-ana specially erected for the purpose in the University gardens. Dr. John Matthai, Vice-Chancellor, University of Bombay, addressed the Convocation.

The following degrees and diplomas were conferred on that day :

S.No.	Degree/Diploma	In person	In absentia	Total
1	Ph.D. ( Arts )	3	—	3
2	Ph.D. ( Science )	1	—	1
3	Ph.D. ( Edu. & Psycho. )	—	1	1
4	M.A.	27	10	37
5	Acharya	5	—	5
6	B.A. ( Special )	128	36	164
7	B.A. ( General )	—	1	1
8	Shastri	1	1	2
9	M.Sc. ( by Thesis )	2	—	2
10	M.Sc. ( by Papers )	16	7	23
11	B.Sc.	124	1	125
12	M.Ed. ( by Thesis )	1	2	3
13	M.Ed. ( by Papers )	8	58	66
14	B.Ed.	41	5	46
15	M.Com.	1	35	36
16	B.Com.	58	2	60
17	Dip. in Banking	4	—	4



Award of Chancellor's Medal at the Sixth Annual Convocation



S.No.	Degree/Diploma	In person	In absentia	Total
18	M.B., B.S.	34	5	39
19	B.E.	64	37	101
20	M.A. ( Fine )	1	—	1
21	M.A. ( Art Education )	—	1	1
22	B.Mus.	3	1	4
23	Dip. in Museo.	3	2	5
24	B.Sc. ( Home )	10	3	13
25	M.S.W.	7	7	14
Total...		542	256	798

( xiii ) The dependents of the University employees who are getting a salary of Rs. 250 per month or less are exempted from payment of tuition fees, under Statute 193. During the year 28 dependants of the University employees were granted exemption from payment of tuition fees. The total amount of the exemption was Rs. 5,950.

#### 4. Changes in the teaching staff

( 1 ) *Appointments on existing posts :*

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

Designation	Name with degrees	Date of joining
FACULTY OF ARTS		
( a ) Reader in Law	Shri H. C. Dholakia, M.A., LL.B., L.L.M.	( 2-7-1956 )
( b ) Reader in Politics	Dr. A. H. Somjee, M.A., PH.D.	( 5-7-1956 )
( c ) Reader in Economics	Dr. I. S. Gulati, M.A., PH.D.	( 11-8-1956 )
( d ) Junior Lecturer in Politics	Shri B. C. Parekh, M.A.	( 5-1-1957 )
FACULTY OF SCIENCE		
( e ) Reader in Physics	Dr. N. S. Pandya, M.SC., PH.D.	( 21-7-1956 )
( f ) Junior Lecturer in Mathematics	Shri V. M. Shah, M.SC.	( 2-7-1956 )
( g ) Junior Lecturer in Statistics	Shri G. S. Monga, M.SC.	( 10-7-1956 )
FACULTY OF TECHNOLOGY AND ENGINEERING		
( h ) Senior Lecturer in Me- chanical Engineering	Shri K. A. Doraiswamy, B.E. ( Mech. )	( 24-7-1956 )



Designation	Name with degrees	Date of joining
( i ) Junior Lecturer in Textile Chemistry	Shri B. N. Chaulkar, B.Sc., B.Sc. (Tech.)	( 2-1-1957 )

## FACULTY OF SOCIAL WORK

( j ) Ag. Junior Lecturer	Shri P. M. Mathew, B.A., M.S.W.	( 10-7-1956 )
( k ) Deputy Director (S.E.O. Training Centre)	Shri J. C. Kavoori, B.A., M.A. M.A.	( 15-1-1957 )

## ( 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 there-after :

Designation	Name with degrees	Date of joining
FACULTY OF ARTS		
( a ) Senior Lecturer in Politics (conversion of Junior Lecturer's post)	Shri S. T. Kothari, M.A., M.Sc. & F.R.E.S.	( 2-7-1956 )
( b ) Junior Lecturer in Hindi	Shri R. D. Misra, M.A.	( 2-7-1956 )
( c ) Junior Lecturer in History	Shri V. K. Chavda, M.A.	( 26-9-1956 )
( d ) Junior Lecturer in Sociology ( temporary )	Shri B. V. Shah, M.A.	( 5-11-1956 )

## FACULTY OF SCIENCE

( e ) Professor in Statistics	Professor N. M. Bhatt, M.Sc., LL.B., PH.D.	( 2-7-1956 )
( f ) Professor in Physics	Professor D. V. Gogate, M.Sc.	( 21-7-1956 )
( g ) Junior Lecturer in Botany	Shri A. R. Mehta, M.Sc.	( 2-7-1956 )
( h ) Junior Lecturer in Zoology ( temporary )	Shrimati D. N. Jyoti, PH.D.	( 2-7-1956 )
( i ) Junior Lecturer in Bio-chemistry ( temporary )	Shri T. N. Sekhar Varma, M.Sc., PH.D.	( 7-12-1956 )

## FACULTY OF EDUCATION AND PSYCHOLOGY

( j ) Professor in Educational Administration	Professor S. N. Mukerji, M.A., B.T., T.D., Dip. in Edu., M.A., Dip. in Edu. Adm., Ed.D.	( 2-7-1956 )
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Designation	Name with degrees	Date of joining
( k ) Reader in Education	Dr. M. S. Patel, M.A., T.D., PH.D.	( 2-7-1956 )
( l ) Reader in Psychology	Shri L. J. Bhatt, M.A., B.T., M.A. (Psycho.)	( 3-9-1956 )

## FACULTY OF TECHNOLOGY AND ENGINEERING

( m ) Professor in Textile Chemistry (conversion of Reader's post)	Professor R. L. Desai, B.Sc., B.Sc. (Tech.) M.Sc. (Tech.), PH.D.	( 2-7-1956 )
( n ) Professor in Architecture	Professor M. B. Dave, G.D. Arch. F.I.I.A.	( 2-7-1956 )
( o ) Senior Lecturer in Textile Chemistry	Shri S. S. Warty, B.A., B.Sc., B.Sc. (Tech.)	( 2-7-1956 )

## FACULTY OF FINE ARTS

( p ) Junior Lecturer in Painting	Shri L. M. Pandya, B.A. (Fine)	( 2-7-1956 )
( q ) Junior Lecturer in Photography (conversion of Demonstrator's post)	Shri N. J. Mehta, G.D. Art, Dip. in Photography and Block-making	( 2-7-1956 )
( r ) Junior Lecturer in Art History (conversion of Tutor's post)	Shri V. K. Bhatt, M.A.	( 2-7-1956 )
( s ) Junior Lecturer in Applied Arts	Shri N. K. Sant, B.A. (Fine)	( 5-7-1956 )

## FACULTY OF HOME SCIENCE

( t ) Senior Lecturer	Kumari Savitri Pandit, B.A., Dip. in Home Sc., Dip. in Teacher's Training, B.Sc. (Home)	( 2-7-1956 )
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## ( 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 ARTS

Name	Designation	Date of leaving
( a ) Shri S. T. Kothari	Senior Lecturer in Politics (Resigned)	( 13-10-1956 )
( b ) Shri C. S. Patel	Senior Lecturer in Gujarati (Expired)	( 10-1-1957 )



*Name*                      *Designation*                      *Date of leaving*

## FACULTY OF SCIENCE

(c) Shri G. S. Monga              Junior Lecturer in Statistics              ( 29-6-1957 )  
( Resigned )

## FACULTY OF TECHNOLOGY AND ENGINEERING

(d) Shri K. D. Oza              Senior Lecturer in Mechanical              ( 14-8-1956 )  
Engineering ( Resigned )  
(e) Shri K. A. Doraiswami              Senior Lecturer in Mechanical              ( 7-9-1956 )  
Engineering ( Resigned )  
(f) Shri J. H. Malkani              Senior Lecturer in Civil En-              ( 15-6-1957 )  
gineering ( Resigned )

## FACULTY OF HOME SCIENCE

(g) Dr. Mary F. Reed              Visiting Professor ( Returned to              ( 30-4-1957 )  
U.S.A., contract being over )  
(h) Miss Claire Gilbert              Visiting Professor ( Returned to              ( 30-5-1957 )  
U.S.A., period of deputation  
being over )  
(i) Miss Sudarshan Malhan              Junior Lecturer ( Resigned )              ( 16-6-1957 )

## FACULTY OF SOCIAL WORK

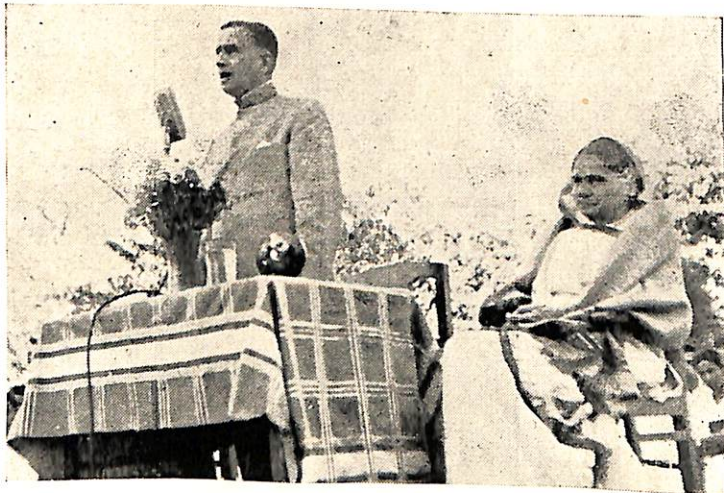
(j) Kumari S. V. Phadke              Senior Lecturer ( Resigned )              ( 8-9-1956 )  
(k) Shri R. S. Rathee              Junior Lecturer ( Resigned )              ( 20-7-1956 )

## 5. Facilities to the members of the teaching staff for further studies

(a) The following teachers, who were granted facilities for further studies abroad, returned to the University during the year after acquiring qualifications as shown against them :

	<i>Name</i>	<i>Designation</i>	<i>Type of facility</i>	<i>Qualifications acquired</i>
1	Shri A. S. Patel	Junior Lecturer in Education and Psychology	Leave without pay and Research Studentship of Rs. 150 p.m. and Rs. 3,000 for return journey and study tour	M.S. (Psychology), M.S. (Education), Ph.D. (Experimental Psychology) ( Wisconsin University, U.S.A. )
2	Shri V. C. Shah	Demonstrator in Zoology	Leave without pay	M.S. (University of Minnesota, U.S.A. )
3	Shri K. G. Subramanyam	Senior Lecturer in Painting	Due leave and leave without pay	Higher studies and research in Painting in U.K.





Dr. C. D. Deshmukh, Chairman, University Grants Commission addressing the staff and the students.

(b) The following members of the staff, who were granted facilities, continued their further studies abroad during the year :

Name	Designation	Type of facility	Nature of Studies
1 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
2 Shri N. B. Joglekar	Junior Lecturer in Lithography	Study leave for two years	For studies leading to the Diploma in Graphic Arts at the London School of Painting and Graphic Arts
3 Shri K. S. Shah	Junior Lecturer in Mechanical Engineering	Leave without pay, Stipend of Rs. 300 p.m. for three years. Rs. 1000 for purchase of books etc.	Working under Dr. List for a doctorate thesis on 'Diesel Engineering' at Graz, Austria
4 Shri R. V. Joshi	Demonstrator in Physics	Due leave and leave without pay	Ph.D. in Physics, University of Leeds, U.K.
5 Shri Baljitsingh	Tutor in Politics	Leave without pay	Ph.D. at the Indian School of International Studies, Delhi

#### 6. Grants sanctioned by the University Grants Commission

The University Grants Commission approved the following items of the development proposals of the University under the Second Five Year Plan and sanctioned the expenditure and grants mentioned against them :

Item	Approved expenditure Rs.	Grants sanctioned Rs.
(a) Humanities :		
1 Building for the Faculty of Social Work	3,50,000	2,33,334
2 Building for the Faculty of Commerce	1,80,000	1,20,000
3 College of Indian Music, Dance and Dramatics (Extension)	1,50,000	1,00,000
4 Extension to the building of the Faculty of Education and Psychology	1,15,000	76,666
5 Scheme of editing a critical and illustrated edition of Valmiki Ramayana	—	20,000
6 Scheme of publication under G. O. Series	—	6,000
7 Books	—	50,000



Item	Approved expenditure Rs.	Grants Sanctioned Rs.
(b) Science :		
1 Equipment for Science Departments	2,04,000	1,36,000
2 Equipment for Workshop	30,000	20,000
3 Additional Building for the Faculty of Science	4,40,000	2,93,400
4 Central Workshop for Science Departments Building	25,000	17,000
5 Vivarium-building	10,000	6,700
6 Extension of Home Science building for post-graduate laboratories	20,000	13,400
7 Books	—	40,000
8 Provision of Scientific Equipment	5,80,000	3,86,700
9 Library, Books and Journals	1,60,000	1,60,000
10 Recurring for additional staff-Professor each in the Departments of Botany, Zoology and Mathematics and Reader in Geography	1,50,000	75,000

#### 7. Finances of the University

##### (1) Endowments received during the year :

The Syndicate accepted the following new endowments during the year :

##### (a) Shri N. A. Mody Memorial Prize Fund

A donation of Rs. 1,500 in form of securities (3% Conversion Loan, 1986) was accepted as per Syndicate Resolution No. 41 dated the 22nd September, 1956 from Shri Amritlal Chunilal Mody in memory of his son Shri Natwarlal A. Mody for awarding a prize every year from the interest accrued on the securities, to a student who obtains the highest number of marks with atleast second class in B.Sc. Examination of the University (with Principal Chemistry) and prosecutes his studies further and takes In-organic Chemistry.

##### (b) Shri Harivadan Bhatt Smarak Fund

A donation of Rs. 1,791 was accepted as per Syndicate Resolution No. 63 dated the 26th August, 1956 from Shri Keshubhai Valia, Jamnagar, the member of the Trust Committee of Shri Harivadan Bhatt Smarak Fund, for awarding every year a prize in cash from the interest accrued on the securities, to the best candidate passing the B.A. (Fine) Examination of the Faculty of Fine Arts in Painting and Sculpture, by rotation.

The amount of the donation of Rs. 1,791 is invested in 3% Conversion Loan, 1986 of the face value of Rs. 2,400 (Transferred at R. 73.75% from Technology & Engineering Fund to Shri Harivadan Bhatt Smarak Fund).

##### (c) Kashigauri Kantawala Scholarship Fund

A donation of Rs. 10,000 was accepted as per Syndicate Resolution No. 40 dated the 22nd September, 1956 from Shri M. H. Kantawala in memory of his wife Shrimati Kashigauri Kantawala for awarding scholarship in the College of Indian Music, Dance and Dramatics from the interest accrued on the security after deducting management charges, to a girl student who passes the third year degree examination of B. Mus. in Vocal and Instrumental Music in alternate years with the highest number of marks securing at least second class and prosecutes her study further in the College.

In the event of no suitable girl student being eligible for the award of the scholarship in any particular year, it may be awarded for the alternate subject in that year failing which it may be awarded to a girl student on the results of the second year degree examination in B.Mus. in like manner; failing this also the scholarship may be awarded to a girl student on the results of the final year diploma examination in Vocal and Instrumental Music alternately.

The amount of the donation of Rs. 10,000 is invested in 4% Bombay State Development Loan, 1970 of the face value of Rs. 9,900.

##### (2) Other Endowments :

##### (a) United Nations' Appeal for Children Fund

During the year, Rs. 2,855.07 were spent out of the interest of Rs. 3,322.67 of the above Fund as under :

##### (i) Chetan Balwadi :

	Rs.
1. Freestudentships (6 full & 2 half)	744.00
2. Clothes and Shoes	44.98
3. Medical Aids	49.95
4. Supplementary Foods	306.43
5. Play Centre	98.64
6. Food (Towards the lunch expense of the under privileged children)	104.00

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1,348.00



## (ii) University Experimental School :

	Rs.
1. Supply of books to children	103.89
2. Supply of milk to Primary School children	796.08
	<hr/>
	899.97

## (iii) Faculty of Social Work :

1. Nutrition	294.74
2. Medical (including Doctor's bill)	15.87
3. Nutritional Equipment	199.74
4. Educational	96.75
	<hr/>
	607.10

Total 2,855.07

The closing balance of the fund is Rs. 1,09,077.57 which is invested as follows :

	Rs.
3% Conversion Loan, 1986 ( Face Value Rs. 1,13,700 )	1,05,008.34
4% Bombay State Development Loan, 1967 ( Face Value Rs. 3,000 )	3,021.69
Balance in Current Account with the Bank of Baroda Ltd. A/C No. III	1,047.54
	<hr/>
Total	1,09,077.57

## (b) Critical Edition of Ramayan 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 ) Shri Rameshwar Das Birla ( Century Spg. & Mfg. Co. Ltd.)	15,000
( ii ) Shri B. D. Somani ( Digvijaya Cement Co. Ltd. )	5,000
( iii ) Sir Dorabji Tata Trust, Bombay	3,000
	<hr/>
Total	23,000

A grant of Rs. 20,000 was received during the year from the University Grants Commission. The receipts and expenditure of the fund for the year 1956-57 are as follows :

Receipts	Rs.	Expenditure	Rs.
Opening of Balance as on 1-7-1956	43,170.78	Expenditure	33,448.34
Donations	23,000		
Grant from the University Grants Commission.	20,000.00	Closing Balance as on 30th June, 1957	52,722.44
	<hr/>		<hr/>
	86,170.78		86,170.78

## (3) Capital Funds :

Receipts and Payments for the year 1956-57 i.e. from the 1st July, 1956 to the 30th June, 1957 ( Subject to Audit )  
Technology and Engineering Faculty Fund

Receipts	Rs.	Payments	Rs.
Interest	58,056.11	Buildings for Technology Section	37,622.20
Opening Balance	13,80,628.98	Equipment for Technology Section	78,089.97
		Equipment for Engineering Section	12,866.57
		Loss on sale of Securities	10,972.73
		Amount transferred to Revenue Account towards the maintenance of the Faculty of Technology and Engineering	20,000.00
		Advance to University Press for purchase of types	8,614.75
		Total	1,68,166.22
		Closing Balance	12,70,518.87
Total	14,38,685.09	Total	14,38,685.09



Receipts	Rs.	Payments	Rs.
		N. B.: The following advances are given from the above fund which will reduce the closing balance:	
		1. Advances for equipment for Engineering Section	3,829.16
		2. Advances for equipment for Technology Section	13,808.09
		Total	17,637.25

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

Interest	31,144.53	Construction of Rasa-Shala	2,012.72
		Building and Equipment of the Out Patient Ward and Dispensary	24,078.13
		Amount transferred towards meeting excess recurring expenditure over the grant of Rs. 36,000.	2,678.83
Opening Balance	8,54,546.21	Total	28,769.68
		Closing Balance	8,56,921.06
		Total	8,85,690.74

**Post-graduate Instruction and Research Fund**

Interest	1,17,192.86	Transfer to Revenue Account towards the expenditure on research staff, contingencies, equipment etc.	30,675.11
Opening Balance	37,88,954.47	Closing Balance	38,75,472.22
Total	39,06,147.33	Total	39,06,147.33

Receipts	Rs.	Payments	Rs.
		<b>Women's Educational Trust Fund</b>	
Interest	3,425.62	Home Science Faculty Building	44,093.17
		Home Management House	1,489.94
		Equipment and Furniture	23,041.25
		Transfer to Revenue Account towards the maintenance of the Faculty of Home Science	3,425.62
Opening Balance	1,34,814.57	Loss on sale of securities	—
		Total	72,049.98
		Closing Balance	66,190.21
		Total	1,38,240.19

**University General Fund**

Interest	41,308.64	Water supply scheme in the University campus	36,518.45
Donation for Buildings at Samiala	1,500.00	Halls of Residence No. I & II for men students	14,719.38
Sale proceeds of Land	75,933.00	Hall of Residence No. III for men students	8,983.41
Grant from Govt. of India, C.P.A., for additions & alterations in buildings at Samiala	60,000.00	Hall of Residence No. IV for men students	12,003.06
		IInd Hall of Residence for women students	2,57,633.01
		Vth Hall of Residence for men students	4,79,596.66
Interest free loan from Govt. of India, Ministry of Education, New Delhi, towards construction of a Hall of Residence	4,00,000.00	Faculty of Fine Arts buildings	233.81
		University Library	3,32,194.49
		Sports Pavilion	14,158.99
		Boat House	217.62
		Faculty of Education and Psychology—additions and alterations	520.75



Receipts	Rs.	Payments	Rs.
		Swimming Pool	21,167.22
		Construction of a Table Tennis Hall in the Sports Pavilion	32,103.99
		Compound Wall to the north of Dadabhai Naoroji Hall	12,847.91
Total	5,77,841.64	Special Heavy repairs to the buildings	69,059.15
		Purchase of Equipment and Furniture	6,141.25
Opening Balance	9,17,558.47	Loss on sale of Securities	16,500.00
		Total	13,14,599.15
		Closing Balance	1,80,800.96
Total	14,95,400.11	Total	14,95,400.11

## (4) Revenue Funds :

Receipts and Expenditure for the year 1956-57 i.e. from the 1st July, 1956 to the 30th June, 1957  
(Subject to Audit)

S. No.	Particulars	Receipts in Rs.	S. No.	Particulars	Expenditure in Rs.
I	Tuition Fees and other income from Faculties and Institutions	10,67,888.73	I	University General Administration	2,06,275.32
(A)	Faculties		II	Examination Charges	1,99,110.35
(a)	Faculty of Arts	1,70,384.87	III	Deadstock and Repairs	15,440.40
(b)	Faculty of Science	2,35,458.04	IV	Publications	3,069.60
(c)	Faculty of Education and Psychology	90,090.39	V	Information & Publicity	3,415.61
(d)	Faculty of Commerce	1,05,483.61	VI	Remuneration to Lecturers	5,041.81
(e)	Faculty of Technology and Engineering	3,46,701.76	VII	Travelling Allowance	24,834.96
(f)	Faculty of Fine Arts	18,093.20	VIII	Printing & Stationery	37,146.23
(g)	Faculty of Home Science	41,798.37	IX	Maintenance of Buildings & Roads	20,961.17
(h)	Faculty of Social Work	29,864.38	X	Maintenance of Gardens	17,100.98
(B)	Institutions		XI	Municipal Rates, Taxes and Law Charges	5,110.18
(a)	Oriental Institute	—	XII	University Contribution to Provident Fund	5,405.46
(b)	College of Indian Music, Dance and Dramatics	29,842.87	XIII	Study Leave	3,027.56
(c)	Intermediate College	163.62	XIV	Miscellaneous	68,787.41
(d)	Sanskrit Mahavidyalaya	7.62	XV	Research Staff, Contingencies, Equipment etc.	88,399.40
II	Examination Fees	2,11,651.49	XVI	Union Public Service Commission	1,634.74
III	Other Fees	68,615.00	XVII	Training Class	1,55,049.02
IV	Income from Publications	23,624.95	XVIII	University Library	61,411.10
V	Grant from the Government of Bombay	17,79,289.15	XIX	Physical Education Department	26,26,680.59
VI	Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	3,00,000.00			



S. No.	Particulars	Receipts in Rs.	S. No.	Particulars	Expenditure in Rs.
VII	Interest on Cash Balances	21,998.30	(A) Faculties		
VIII	Income from Endowments	54,774.14	(a)	Faculty of Arts	3,58,932.89
	Post-graduate Instruction and Research Fund	30,675.11	(b)	Faculty of Science	5,38,222.29
	Women's Educational Trust Fund	3,425.62	(c)	Faculty of Education and Psychology	2,25,989.79
	Technology and Engineering Fund	20,000.00	(d)	Faculty of Commerce	92,624.15
	Endowments Fund	673.41	(e)	Faculty of Technology and Engineering	6,66,121.75
IX	Income from Halls of Residence for Students	1,08,675.00	(f)	Faculty of Fine Arts	1,80,249.98
			(g)	Faculty of Home Science	1,43,709.86
			(h)	Faculty of Social work	1,18,456.51
X	Income from use and occupation of University Quarters and Bungalows including furniture rent	37,566.93	(B) Institutions		
			(1)	Oriental Institute	81,773.53
			(2)	College of Indian Music, Dance and Dramatics	1,48,435.51
XI	Income from lease of land and trees	6,660.00	(3)	Intermediate College	27,523.32
XII	Miscellaneous Income	52,460.04	(4)	Sanskrit Mahavidyalaya	44,641.01
XIII	Income from M. S. University of Baroda Press (Sadhana Press)	2,02,533.31	XX	Halls of Residence for Students	1,07,304.35
			XXI	M. S. University of Baroda Press (Sadhana Press)	2,02,526.70
XIV	Union Public Service Commission Training Class—Tuition Fees	300.00			
				Total Expenditure	38,57,732.94
				Excess of Receipts over Expenditure	78,304.10
				Grand Total :	39,36,037.04
				Total Receipts :	39,36,037.04

Note:—The amount of Rs. 78,304.10 being the excess of Receipts over Expenditure is adjusted to wipe out the balance of the last year's deficit of Rs. 40,654.35, leaving net surplus of Rs. 37,649.75 on the 30th June, 1957, which is carried forward to the next year.

(5) Grants from the Government of India, University Grants Commission, Planning Commission, Community Projects Administration and Other Government Departments and Matching grants from the Government of Bombay

Receipts and Payments for the year 1956-57 i.e. from the 1st July, 1956 to the 30th June, 1957 (Subject to Audit)

Receipts	Rs.	Payments	Rs.
Grant from the University Grants Commission for equipment for Science Departments	1,36,000.00	Equipment for Science Departments	47,436.85
		Books for the Faculty of Home Science	1,344.25
1/3rd grant from the Government of Bombay for non-recurring expenditure for the development of the Faculty of Technology and Engineering	2,24,666.00	Equipment for development of Faculty of Technology and Engineering	1,61,710.62
		Books for development of Faculty of Technology and Engineering	4,135.67
		Models for development of Faculty of Technology and Engineering	4,726.00
		Building for development of Faculty of Technology and Engineering	64,810.31
1/3rd grant from the University Grants Commission for recurring expenditure on additional staff of the Faculty of Technology and Engineering	11,666.00	Recurring expenditure on additional staff	13,823.60
Advances adjusted	1,615.47	University Library Building	52,011.00
Grant from the University Grants Commission towards the publication of critical and illustrated edition of Valmiki Ramayana	20,000.00	Expenditure on Ramayana Department	20,000.00
		Equipment for Post-graduate Work in Foods and Nutrition	10,622.05
		Research in Social Tension (Faculty of Arts)	3,174.12
		Equipment etc. for development of Higher Scientific Education and Research (Faculty of Home Science)	5,685.18
		Survey of Graduates of the Schools of Social Work	775.98



<i>Receipts</i>	<i>Rs.</i>	<i>Payments</i>	<i>Rs.</i>
50% grant from the University Grants Commission for the publication of Thesis	1,290.00	Publication of Thesis	2,885.25
50% grant from the University Grants Commission for publication of Gaekwad Oriental Series	6,000.00	Publication of Gaekwad Oriental Series	7,030.37
50% grant from the Government of Bombay for the publication of Gaekwad Oriental Series	6,000.00		
Grant from the University Grants Commission to Humanities for purchase of books	50,000.00	Books for Humanities	49,984.06
		Books for the Faculty of Science	18,749.81
Grant from the University Grants Commission for books on Scientific and Technical subject	40,000.00	Books for the Faculty of Technology and Engineering	18,749.74
		Books for the Faculty of Home Science	2,497.07
2/3rd grant from the University Grants Commission for the construction of a Central Workshop for Science Departments	20,000.00	Expenditure on Central Workshop for Science Departments	10.75
1/3rd grant from the Government of Bombay, for the construction of a Central Workshop for Science Departments	10,000.00		
Grant from the University Grant Commission for providing additional space to existing Science Departments	1,00,000.00		
Grant from the Planning Commission for Rural Income and Savings in Gujarat	21,770.00	Expenditure on the scheme of Rural Income and Savings in Gujarat	25,091.90
Grant from the Ministry of Education, Government of India, for Tours	763.00	Tour for the Faculty of Commerce	424.00
		Tour for the Faculty of Fine Arts	88.87
		Tour for the Faculty of Science	213.00

<i>Receipts</i>	<i>Rs.</i>	<i>Payments</i>	<i>Rs.</i>
Grant from the Government of India, Ministry of Education, for the construction of a Magnetic Balance	8,500.00	Equipment etc. Construction of a Magnetic Balance	5,399.83
Grant from the Government of India, Ministry of Education, for Research in Educational and Vocational Guidance	12,715.00	Expenditure on staff, contingencies etc. for research in Educational and Vocational guidance	9,894.24
Grant from the Government of India for a Research Project on 'Construction and Standardisation of sets of Achievement Test in Secondary School'	4,200.00	Expenditure on the research project on construction and standardisation of sets of achievement tests in Secondary school	2,917.93
		Publication of works on Music out of the past years balance of grant from Sangeet Natak Akademi	64.12
Grant from the Indian Council of Medical Research on Tissue Culture and Measurement of proliferation of the Cells	467.37	Expenditure on staff contingency etc. on research on Tissue Culture and Measurement of Proliferation of the Cells	487.44
Grant from the Bombay State Industrial and Research Laboratory, Bombay, for studies in Food Yeast	12,420.00	Expenditure on studies in Food Yeast Scheme	2,845.19
Grant from the Director of Scientific and Industrial Research for Analytical study of Magnetic Amplifiers	3,374.45	Expenditure on a research assistant etc. of the scheme of Analytical study of Magnetic Amplifiers	4,919.72
Grant from the Government of Bombay, Department of Agriculture and Forests:—			
(i) For construction of building of Home Science Wing	40,000.00	(i) For construction of building of Home Science Wing	47,781.06



<i>Receipts</i>	<i>Rs.</i>	<i>Payments</i>	<i>Rs.</i>
(ii) For purchase of Demonstration and Teaching Aids	5,000.00	(ii) Demonstration and Teaching Aids	1,313.19
(iii) For recurring expenditure on staff	15,281.17	(iii) Furniture	4,654.00
		(iv) Recurring expenditure on the Home Science Wing	15,887.52
		(v) For freight charges, custom duty etc. for personnel carrier	388.73
Grants from the Government of India, C. P. A., for Training Centre for specialised training of Social Education Organisers :—		For additions and alterations in the building at S. E. O. Training Centre, Samiala	15,679.43
(i) For additions and alterations in the building	1,18,000.00	Recurring expenditure of S. E. O. Training Centre, Samiala	64,370.13
(ii) For recurring expenditure	61,000.00	Amount paid to the University for additions and alterations in the building in the previous year	60,000.00
		Youth Welfare and Social Service camp, Aat, out of last year's grant from Ministry of Education	5,696.00
Grant from the Planning Commission for Agricultural Economy of Gujarat	50.00	Expenditure on the scheme of Agricultural Economy of Gujarat	50.00
Grant from the Government of India's Health Minister's discretionary grant for Mental Hygiene and Psychiatric Clinic	10,000.00	...	...
Grant from the Council of Scientific and Industrial Research for study of C4 Metabolism in A. Niger	3,025.00	Expenditure on staff etc. for Mental Hygiene and Psychiatric Clinic	3,515.12
<b>Total</b>	<b>9,43,803.46</b>	<b>Total</b>	<b>7,61,844.10</b>

<i>Receipts</i>	<i>Rs.</i>	<i>Payments</i>	<i>Rs.</i>
Add advances from the University against promised grants	13,085.30	Unspent balances remitted in the Dist. Treasury, Baroda :—	
Add opening balance of the unspent grants as on 1st July, 1956	2,71,512.74	(i) Grant for Tour of the Faculty of Fine Arts	30/-
		(ii) Grant for Agricultural Economy of Gujarat	493.36
		Unspent balance of the grants transferred to the Faculty of Education and Psychology :	
		(i) For Rural Education Project	128.30
		(ii) For Department of Extension Service	10,548.78
		<b>Total</b>	<b>7,73,044.54</b>
		<b>Closing Balance</b>	<b>4,55,356.96</b>
<b>Grand Total</b>	<b>12,28,401.50</b>	<b>Grand Total</b>	<b>12,28,401.50</b>

## 8. 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, 25 Class III and 39 Class IV servants.

### (b) Original works completed :

The following original works were completed during the year :

<i>Description of the work</i>	<i>Expenditure during the year Rs.</i>	<i>Total expenditure Rs.</i>
<b>(I) Faculty of Technology and Engineering</b>		
(i) Extension of Central Hall of Kalabhavan Building	64,810.31	1,29,000.00
(ii) Welding Shop of the Faculty		



<i>Description of the work</i>	<i>Expenditure during the year Rs.</i>	<i>Total expenditure Rs.</i>
(iii) Constructing a verandah to the Store-Room in the Workshop of the Faculty		
(iv) Partition on verandah on the first floor of Engineering College Building of the Faculty		
(v) Additions and Alterations to existing Civil Engineering Department Laboratory of the Faculty		
(vi) Minor works in new extension of Textile Chemistry Department of the Faculty		
(vii) Providing electric installation in the new extension of the Chemistry Department of the Faculty		
(viii) Electric installation in the office room allotted to the 18th Bombay Engineering Platoon of the Faculty		
(ix) Electric installation in furniture shed of the Faculty		
(x) Electric installation in the workshop store of the Faculty		
(xi) Electric installation in the Boiler House of the Faculty		
(xii) Fire proof ceiling for the research Unit in Heat Engines Laboratory of the Faculty		
(xiii) Covering the verandah of the Textile Chemistry Department of the Faculty		
(xiv) Wash basins and sinks etc.		
(xv) Reconstructing dilapidated compound Wall		
(xvi) Providing 6" pipe line to overhead tank to Hydraulic Laboratory		
	27,683.40	8,00,534.84

<i>Description of the work</i>	<i>Expenditure during the year Rs.</i>	<i>Total expenditure Rs.</i>
<b>( II ) University General Fund</b>		
( i ) Hall of Residence for men Students No. I and II	14,719.38	11,74,187.04
( ii ) Special Heavy Repairs	4,480.75	4,480.75
( iii ) Hall of Residence for men Students No. III	8,983.41	5,86,668.68
( iv ) Hall of Residence for men Students No. IV		
( v ) Compound Wall and gate on the South Side of the University Office Compound	12,003.06	6,46,152.89
( vi ) Constructing a compound wall on the North of Dadabhai Naoroji Hall	12,847.91	12,847.91
( vii ) Lavatory Block on West Side of Dadabhai Naoroji Hall	3,076.06	5,313.50
( viii ) Construction of Sports Pavilion	14,158.99	2,13,686.94
( ix ) Construction of a Table Tennis Hall near the Sports Pavilion	32,103.99	32,103.99
( x ) Boat House	217.62	18,277.34
( xi ) Home Management House	1,489.94	64,397.47
( xii ) Faculty of Science—Renewing gas and water pipes	10,121.05	13,814.92
( xiii ) <b>Faculty of Education and Psychology</b>		
Providing ceiling exhaust fans in the Geography Room	520.75	625.00
( xiv ) <b>Faculty of Fine Arts</b>		
Providing ventilating arrangements for the doors of dark Room, New Block	217.31	217.31
( xv ) <b>Faculty of Arts</b>		
Replacing flooring of Baroda College Building	10,434.02	16,289.02
Renewing the stairs	11,072.50	11,072.50
( xvi ) <b>University Office and Bungalows</b>		
Renewing the porch of Dhanvantari & Chameli Baug Bungalow	2,106.44	4,210.50



Description of the work	Expenditure during the year Rs.	Total expenditure Rs.
Renewing the floor of Chameli Baug Bungalow	2,298.28	2,298.28
Renewal of ceiling fans in Adhyapak Kutir	3,439.55	3,439.55
Providing a new steel tank in place of old unservicable one in Vikram Baug Bungalow	5.00	500.00
(xvii) <b>College of Indian Music, Dance &amp; Dramatics</b>		
Converting open verandah into Lavatory block on 1st floor east wing staircase room, north side	2,153.44	2,153.44
(xviii) <b>Sheth U.P.A.R. Unit</b>		
Extension of Rasa-Shala for Out-Patient Department	23,910.54	23,910.54
Providing ceiling fan in the Office Room of Junior Vaidya	2,189.56	2,189.56

(c) *Works in progress:*

The following works were in progress during the year :

Description of the work	Expenditure during the year Rs.	Total expenditure Rs.
<b>I Faculty of Technology and Engineering</b>		
(i) Additions and alterations for accommodating various Laboratories of the Civil Engineering Department	6,501.19	6,501.19
(ii) Renewing the Rain Water Gutters of the workshop	6,139.50	6,139.50
<b>II University General Fund</b>		
(i) Water supply scheme for the University campus	36,518.45	1,14,362.04
(ii) Second Hall of Residence for Women Students (Shrimati Hansa Mehta Hall)	2,57,633.01	2,57,633.01
(iii) Fifth Hall of Residence for Men Students	3,99,001.22	4,79,596.66
(iv) Lavatory Block on the first floor of Shri Dadabhai Naoroji Hall	6,020.87	6,020.87

Description of the work	Expenditure during the year Rs.	Total expenditure Rs.
(v) (a) University Library—from Uni. Gen. Fund	3,32,194.49	5,44,194.79
(b) University Library—Uni. Grants Comm. Fund	52,011.00	52,011.00
(vi) Swimming Pool	21,167.20	48,147.50
(vii) Open Air Theatre in Music College	4,354.12	4,354.12
(viii) Faculty of Science Cold Storage Room of Bio-Chemistry Department Workshop for Science Department	3,437.59	3,437.59
	10.75	10.75
(ix) Constructing First Floor on the Western Wing of the Faculty of Home Science	44,093.16	44,093.16
(x) Works of Home Economics Wing in Tara Nivas	47,781.06	47,781.06
(xi) S. E. O. Training Centre at Samiala		
Well and Additional works	15,679.43	15,679.43
Roads in the Compound	3,344.56	3,344.56
(xii) Dismantling and rebuilding the Compound Wall on west side of College of Indian Music, Dance and Dramatics	13.00	13.00
(xiii) Constructing Stone Carving Shed in the Faculty of Fine Arts	16.50	16.50
(xiv) Extension of the Building of the Faculty of Education and Psychology	48.00	48.00

(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.

**9. University Examination Results**

During the year, five candidates were declared qualified for the Ph.D. degree—one in Sociology, one in Sanskrit, two in Zoology and one in Botany.

The following two statements show the results of September-October, 1956 and March-April-June, 1957 examinations:



# Results of the University Examinations of Second-Half, 1956 ( September-October, 1956

Sr. No.	Examination	No. registered	Absent	No. appeared		Number Passed								Grand Total	Percentage	Remarks		
				Men	Women	Total	Men				Women							
							Class I	Class II	Pass Class	Total	Class I	Class II	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 ) *	42	—	42	—	42	—	—	37	37	—	—	—	—	—	37	88	
2	(a) B.Com.	19	1	18	—	18	—	—	11	11	—	—	—	—	—	11	61	
	(b) B.Com. O. 434 *	1	—	1	—	1	—	—	1	1	—	—	—	—	—	1	100	
	(c) B.Com. O. 435 *	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	
3	Ist M.B.B.S.*	64	—	62	2	64	—	—	35	35	—	—	—	2	—	37	57.8	
4	IIInd M.B.B.S. ( Old & New ) *	40	—	34	6	40	—	—	27	27	—	—	—	6	—	33	82.5	
5	IIIrd M.B.B.S.*	36	—	31	5	36	—	—	14	14	—	—	—	2	—	16	44.4	
6	M.Sc. ( Physiology ) *	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	
7	M.D.*	3	—	1	2	3	—	—	—	—	—	—	1	—	—	1	33.3	
8	(a) B.E. ( Civil )	15	1	14	—	14	—	2	10	12	—	—	—	—	—	12	85.7	
	(b) B.E. ( Mechanical )	1	—	1	—	1	—	—	—	1	—	—	—	—	—	1	100	
	(c) B.E. ( Electrical )	1	—	1	—	1	—	—	1	1	—	—	—	—	—	1	100	
9	Diploma in Civil Engineering	16	—	16	—	16	—	3	7	11	—	—	—	—	—	11	68.7	
10	Diploma in Mechanical Engineering	4	1	3	—	3	—	—	1	2	—	—	—	—	—	2	66.6	
11	Diploma in Electrical Engineering	8	1	7	—	7	—	2	4	7	—	—	—	—	—	7	100	
12	Diploma in Textile Chemistry	2	—	2	—	2	—	—	1	1	—	—	—	—	—	1	50	
13	Diploma in Architecture	14	3	11	—	11	—	—	4	4	—	—	—	—	—	4	36.3	

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

# Results of University Examinations of the First-Half of 1957 ( March-April-June-July, 1957 )

Sr. No.	Examination	No. registered		Absent		No. appeared		Number passed								Grand Total	Percentage	Remarks
								Men				Women						
								Men		Women		Men		Women				
		Class I	Class II	Pass Class	Total	Class I	Class II	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	387	5	248	134	382	..	24	141	165	..	26	80	106	271	70.9		
2	Inter Arts	266	1	178	87	265	2	23	102	127	1	13	57	71	198	74.7		
3	B.A. ( General )	2	..	2	..	2	..	1	..	1	..	..	..	..	1	50.0		
4	B.A. ( Special )	228	1	155	72	227	1	61	68	130	2	30	31	63	193	85.0		
5	M.A.	47	5	32	10	42	1	9	16	26	1	2	6	9	35	83.3		
6	Post-graduate Diploma in Library Science	11	..	5	6	11	2	2	1	5	1	4	1	6	11	100.0		
7	Visharad	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0		
8	Shastri	2	..	2	..	2	..	..	1	1	..	..	..	..	1	50.0		
9	Preparatory and F. Y. Science	433	4	393	36	429	8	98	154	260	1	7	13	21	281	65.5		
10	Inter Science	387	7	355	25	380	33	160	66	259	1	19	2	22	281	73.9		



# Results of University Examinations of the First-Half of 1957 ( March-April-June-July, 1957 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
11	B.Sc. ( Principal )	177	4	163	10	173	14@	45	80	139	..	5	5	10	149	86.1	@Includes four students with distinction.
12	B.Sc. ( Subsidiary )*	155	6	136	13	149	..	..	101	101	..	..	13	13	114	76.5	
13	M.Sc. ( By papers )	44	4	36	4	40	5@	13	9	27	..	1	3	4	31	77.5	@Includes one student with distinction.
14	T.D.*	35	..	29	6	35	..	..	28@	28	..	..	6	6	34	97.1	@Includes one student with distinction.
15	B.Ed.	106	1	91	14	105	2	48	37	87	..	4	9	13	100	95.2	
16	M.Ed. ( By papers )	16	..	13	3	16	1	5	5	11	..	1	2	3	14	87.5	
17	Preparatory and F. Y. Commerce	355	3	351	1	352	8	64	130	202	1	..	..	1	203	57.6	
18	(a) Inter Commerce (b) Inter Commerce* vide O.434 in Accountancy only	178	1	177	..	177	2	48	75	125	..	..	..	..	125	70.6	
		8	..	8	..	8	..	..	3	3	..	..	..	..	3	37.5	

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

# Results of University Examinations of the First-Half of 1957 ( March-April-June-July, 1957 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	(a) B.Com.	112	2	109	1	110	5	15	53	73	..	..	1	1	74	67.2	
	(b) B.Com.* vide O.434 (B.A. students)	3	..	3	..	3	..	..	1	1@	..	..	..	..	1	33	@Results of two students are held in reserve.
	(c) B.Com.* vide O.435 (in additional subject only)	3	1	2	..	2	..	..	1	1	..	..	..	..	1	50.0	
20	M.Com.	8	..	8	..	8	..	3	2	5	..	..	..	..	5	62.5	
21	Diploma in Co-operation*	22	4	18	..	18	..	..	14	14	..	..	..	..	14	77.8	
22	Post-graduate Diploma in Banking*	11	..	11	..	11	..	..	9	9	..	..	..	..	9	81.8	
23	Ist M.B.B.S.*	27	..	27	..	27	..	..	19	19	..	..	..	..	19	70.3	
24	IInd M.B.B.S.*	27	..	24	3	27	..	..	14	14	..	..	3	3	17	62.9	
25	IIInd M.B.B.S.*	45	..	38	7	45	..	..	16	16	..	..	4	4	20	44.4	
26	D.L. & O.*	2	..	2	..	2	..	..	2	2	..	..	..	..	2	100.0	
27	M.D.*	3	..	2	1	3	..	..	..	..	..	..	..	..	..	..	

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



Results of University Examinations of the First-Half of 1957 ( March-April-June-July, 1957 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
28	(a) F.E. (CMETeTt) (b) F.E.* (vide O. 635)	141 34	.. 1	141 33	.. ..	141 33	1 ..	27 ..	56 29	84 29	.. ..	.. ..	.. ..	.. ..	84 29	59.5 87.8	
29	S.E. (CMETeTt)	171	..	171	..	171	5	31	57	93	..	..	..	..	93	54.4	
30	(a) B.E. (Civil) (b) B.E. (Mechanical) (c) B.E. (Electrical)	57 29 25	.. .. ..	57 29 25	.. .. ..	57 29 25	.. 5 1	15 21 18	35 3 3	50 29 22	.. .. ..	.. .. ..	.. .. ..	.. .. ..	50 29 22	87.7 100.0 88.0	
31	T. Text. (Engineering)	8	..	8	..	8	..	7	1	8	..	..	..	..	8	100.0	
32	B. Text. (Engineering)	5	..	5	..	5	2	3	..	5	..	..	..	..	5	100.0	
33	Intermediate Architecture	52	..	52	..	52	1	31	5	37	..	..	..	..	37	71.1	
34	(a) F. Y. Diploma in Engineering (CME) (b) F. Y. Diploma in Engineering (CME) (vide O. 591)*	190 49	.. ..	190 49	.. ..	190 49	5 ..	33 ..	31 49	69 49	.. ..	.. ..	.. ..	.. ..	69 49	36.3 100.0	
35	S. Y. Diploma in Engineering (CME)	178	1	177	..	177	17	57	45	119	..	..	..	..	119	67.2	
36	Diploma in Civil Engineering	91	..	91	..	91	8	31	33	72	..	..	..	..	72	79.1	
37	Diploma in Mechanical Engineering	71	1	70	..	70	13	29	18	60	..	..	..	..	60	85.7	

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

Results of University Examinations of the First-Half of 1957 ( March-April-June-July, 1957 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
38	Diploma in Electrical Engineering	32	2	30	..	30	3	9	9	21	..	..	..	..	21	70.0	
39	Diploma in Textile Chemistry	48	..	48	..	48	1	15	30	46	..	..	..	..	46	95.8	
40	Diploma in Textile Technology	26	1	25	..	25	1	12	5	18	..	..	..	..	18	72.0	
41	Diploma in Architecture	45	..	44	1	45	4	11	22	37	..	1	..	1	38	86.3	
42	Diploma in Music*	31	1	26	4	30	..	..	17	17	..	..	4	4	21	70.0	
43	Diploma in Dance*	4	..	2	2	4	..	..	2	2	..	..	2	2	4	100.0	
44	Diploma in Dramatics*	2	..	2	..	2	..	..	2	2	..	..	..	..	2	100.0	
45	Advance Course in Dance*	1	..	..	1	1	..	..	..	..	..	..	1	1	1	100.0	
46	B.Mus.*	7	..	5	2	7	..	..	5	5	..	..	2	2	7	100.0	
47	M.Mus.*	4	..	1	3	4	..	..	1	1	..	..	3	3	4	100.0	
48	Diploma in Applied Arts*	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
49	Post-diploma Specialisation (Sculpture)*	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	
50	(a) B.A. (Fine Arts)*	1	..	1	..	1	..	..	1	1	..	..	..	..	1	100.0	

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



I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	(b) B.A. (Fine)—(Sculpture)*	I	..	..	I	I	..	..	..	..	..	..	I	I	I	100.0	
	(c) B.A. (Fine)—(Painting)*	5	..	3	2	5	..	..	2	2@	..	..	2	2	4	80.0	@Result of one student is held in reserve.
51	M.A. (Fine)—(Painting)*	I	..	I	..	I	..	..	I	I	..	..	..	..	I	100.0	
52	M.A. Art Criticism*	I	..	I	..	I	..	..	I	I	..	..	..	..	I	100.0	
53	Post-graduate Diploma in Museology*	8	..	7	I	8	..	..	7@	7	..	..	I	I	8	100.0	@Includes one student with distinction.
54	B.Sc. (Home)*	37	..	..	37	37	..	..	..	..	..	..	37	37	37	100.0	
55	M.Sc. (Home)*	4	..	..	4	4	..	..	..	..	..	..	3	3	3	75.0	
56	M. S. W.*	16	..	13	3	16	..	..	11	11	..	..	3	3	14	87.5	
57	M.Ed. (by Thesis)*	..	..	I	..	I	..	..	I	I	..	..	..	..	I	100.0	
58	Ph.D. (Arts)*	..	..	5	..	5	..	..	2	2	..	..	..	..	2	40.0	
59	Ph.D. (Science)*	..	..	2	I	3	..	..	2	2	..	..	I	I	3	100.0	

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

## 1. Officers

( I ) *The Chancellor :*

His Highness Fatehsinhrao Gaekwad, Maharaja of Baroda was the Chancellor of the University 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) UNESCO Conference at Delhi on the 3rd November, 1956.
- (b) Standing Committee of the Inter-University Board of India at New Delhi on the 9th November, 1956.
- (c) Presided at the Annual Conference of Social Work at Jaipur on the 27th December, 1956.
- (d) Central Advisory Board of Education at New Delhi on the 16th January, 1957.
- (e) Presided at the 32nd Annual meeting of the Inter-University Board of India at Calcutta on the 20th and the 21st January, 1957.
- (f) Centenary celebrations of the Bombay University on the 4th February, 1957 at Bombay.
- (g) All-India Sports Council at New Delhi on the 30th March, 1957.
- (h) All-India Council of Secondary Education meeting at Baroda on the 21st December, 1956 and Simla on the 14th and the 15th June, 1957.

(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.

During the year, he attended the following meetings in India :

- (a) Western Zonal Committee to select candidates for deputation of Science Teachers for Training-cum-Study in U. K., U. S. A. and Canada appointed by the Government of India at Bombay on the 13th August, 1956 and the 25th September, 1956.



- (b) Executive Committee meeting of the Indian Science Congress at New Delhi on the 29th October, 1956.
- (c) The 44th Session of the Indian Science Congress at Calcutta on the 14th January, 1957.
- (d) Centenary celebrations of the University of Madras on the 28th January, 1957 at Madras and the University of Bombay on the 4th February, 1957 at Bombay.
- (e) Annual meeting of TAIRO at Bombay on the 16th April, 1957.
- (f) Bombay State Industrial Research Committee meeting on the 29th May, 1957 at Bombay.

(4) *Deans of the Faculties :*

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

<i>Faculty</i>	<i>Name of the Dean</i>
Arts	Shri V. Y. Kantak, M. A. (except for the period from the 8th February, 1957 to the 30th June, 1957 when Shri G. B. Pandya officiated on the post)
Science	Professor N. M. Bhatt, M.Sc., Ph.D., F. S. S.
Education & 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 & Engineering	Professor D. Subbarao, B. E. (Civil), A. M. I. E.
Fine Arts	Professor Markand Bhatt, G. D. (Art), M. A.
Home Science	Kumari Justina Singh, M.Sc.
Social Work	Professor Kumari Parin 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 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 :*

<i>Name</i>	<i>Designation</i>
(i) Professor G. H. Bhatt, M. A.	Director, Oriental Institute
(ii) Shri R. C. Mehta, B. A.	Principal, College of Indian Music, Dance and Dramatics
(iii) Shri H. C. Mehta, B.A., B.T.	Principal, Baroda Sanskrit Mahavidyalaya
(iv) Shri V. D. Salgaonkar, M.A., LL.B.	Principal, Intermediate College
(v) Shri K. S. Yagnik, M.A., B.T.	Principal, University Experimental School
(vi) Shri N. B. Patel, B.E. (Civil), A.M.I.E.	University Engineer
(vii) Shri C. M. Shukla, B.A. (Hons.), M.A.	Convener, Wardens' Committee
(viii) Shri R. J. Patel, B.A.	Manager, University Press
(ix) Shri B. K. Naik, Dip. in Phy. Edu., B.S. (P.E.), M.P.E.	Superintendent, Physical Education.

2. *Authorities*

(1) *The Senate :*

The term of the Senate constituted under section 18(1) of the Maharaja Sayajirao University of Baroda Act, expired on the 14th September, 1956. The same was reconstituted for a period of five years from the 15th September, 1956. The names of the members have been published in the University Handbook Part I, 1957. It consisted of 91 members. All the members as per the list published in the Handbook Part I, 1957 continued as members of the Senate except for the changes mentioned below :

- (a) Lt. Col. Justice K. T. Mangalmurti, Vice-Chancellor, Nagpur University, became an Ex-officio member of the Senate consequent upon the re-organisation of the State of Bombay.
- (b) Shri D. C. Pavate, Vice-Chancellor, Karnatak University, ceased to be a member of the Senate consequent upon the re-organisation of the State of Bombay.
- (c) Shri Shantilal H. Shah, Minister for Education, became an Ex-officio member of the Senate and later on ceased to be the member consequent upon Shri H. K. Desai, who became an



Ex-officio member by virtue of his being the Minister for Education, State of Bombay.

- (d) Shri T. M. Advani, Vice-Chancellor, University of Bombay, became an Ex-officio member of the Senate vice Dr. John Matthai.
- (e) Shri A. C. Shah was elected by the Bombay Legislative Assembly to the Senate of this University vice Shri J. S. Shah.
- (f) Diwan Bahadur K. M. Jhaveri, Vice-Chancellor of S. N. D. T. University, an Ex-officio Fellow of the Senate expired on the 15th June, 1957 and the seat remained vacant for the remaining period.

(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) Professor T. K. N. Menon, B.A., Dip. in Edu., M.A. (Edu.)
- (j) Professor (Kumari) Parin Vakharia, B.A., Dip. in S.S.A., M.S.,  
Ph.D.
- (k) Shri V. Y. Kantak, M.A.
- (l) Professor N. M. Bhatt, M.Sc., Ph.D., F.S.S.

Shri P. C. Hathi, Shri N. D. Chokshi and Dr. J. D. Pathak ceased to be the members of the Syndicate from the 14th September, 1956 consequent upon their ceasing to be the members of the Senate. Dr. M. D. Patel, Shri J. S. Parikh and Dr. T. V. Patel were elected to be the members of the Syndicate in their places.

## CHAPTER III—THE SENATE

### 1. Number of meetings

The newly constituted Senate met twice during the year on the 14th October, 1956 and the 23rd June, 1957 respectively.

### 2. Attendance

The attendance at the meetings of the Senate during the year was 68 in the meeting held on the 14th October, 1956 and 61 in the meeting held on the 23rd June, 1957.

### 3. First meeting

At the first meeting of the Senate held on the 14th October, 1956 the Vice-Chancellor welcomed all the new Fellows who had been elected or nominated on the Senate and hoped that the members would take interest in the work of the University and give full co-operation in everyway. She also thanked the persons who ceased to be members of the Senate for the help they gave in building up the University. The following business was then transacted :

(1) Dr. M. D. Patel and Shri J. S. Parikh were elected on the Syndicate.

(2) Professor S. M. Sen was elected on the Council of Post-graduate Studies and Research.

(3) Shri R. C. Mehta and Professor P. J. Madan were elected on the Board of Extra Mural Studies.

(4) Professor P. J. Madan was elected on the Board of Visitors for the Faculty of Technology and Engineering.

(5) The newly elected or nominated members of the Senate were assigned to a Faculty or Faculties as shown in Handbook Part I, 1957.

(6) Renewal of lapsed grants amounting to Rs. 11,610 in the revenue budget and Rs. 3,08,009 in the capital budget and supplementary grants amounting to Rs. 22,760 in the revenue budget and Rs. 42,834 in the capital budget were sanctioned.

(7) Proposals to amend section 42(1) of the Act to provide for inclusion of institutions started by the University as constituent colleges of the University, sub-clause (iii) of clause (6) of Statute 14 regarding



answering of question, Statute 91 regarding number of members on the Board of Studies, Statute 98 regarding duties of the Board of Studies, Statute 109 regarding Board of Accounts, Statute 149 regarding electoral roll of secondary teachers, Statute 199 regarding degrees awarded in various Faculties, were considered and passed.

(8) Amendments and additions made to Ordinances and Rules mentioned in Pamphlet No. 1 of Handbook Part II, 1956, were considered and passed :

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

#### Faculty of Arts

- (a) Junior Lecturer in Sociology ( Temporary )
- (b) Junior Lecturer in Gujarati ( Temporary )

#### Faculty of Science

##### Lecturer in Geography

(10) 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*

- |   |  |
|---|--|
| (a) Junior Lecturer in<br>Mridang and Tabla | Senior or Junior Lecturer in<br>Tabla                    |
| (b) Tutor in Dancing                        | Junior Lecturer or Tutor in<br>Dancing ( Bharat Natyam ) |

#### 4. Second meeting

At the second meeting of the Senate held on the 23rd June, 1957 condolence resolutions mourning the deaths of Shri B. G. Kher and Dewan Bahadur K. M. Jhaveri, were passed. The following business was then transacted :

(1) Professor B. J. Sandesara, Shri L. J. Bhatt, Professor S. M. Sethna, Dr. J. D. Pathak and Professor S. M. Sen were elected to the Council of Post-graduate Studies and Research.

(2) Lt. Col. Justice K. T. Mangalmurti and Shri T. M. Advani, who had become Ex-officio Fellows of the Senate, were assigned to the Faculty of Science and Arts respectively.

(3) The Annual Financial Statement comprising :

- (a) the revised estimates for the Revenue Budget for the year 1956-57 and the estimates for the Revenue Budget for the year 1957-58, and

(b) the revised estimates for the Capital Budget for the year 1956-57 and the estimates for the Capital Budget for the year 1957-58 were considered and passed.

(4) Ordinances regarding the standard of admission, of passing, syllabi, etc. for the degree of B. Text. ( Tech. ) were considered and passed. Amendments or additions made to some of the other Ordinances were also considered and passed.

(5) Proposals to amend section 57 (1) of the Maharaja Sayajirao University of Baroda Act clarifying the date of effectiveness of the acceptance of resignations of members of authorities and other bodies by the Vice-Chancellor, addition of Statute 115A regarding carrying on current duties of Vice-Chancellor, Statute 136 regarding revising the grade of the Registrar were considered and passed. Proposal to amend Statute 199 regarding various degrees in the University was referred back to the Syndicate. Proposal to amend Statutes 202 and 203 regarding the Convocation procedure for admission to the degrees in person or in absentia were considered and passed.

(6) The Seventh Annual Report and the Seventh Annual Accounts of the University for the year 1955-56, were considered and passed.

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

#### Faculty of Arts

Junior Lecturer in English ( 3 posts )

#### Faculty of Science

- (a) Professor of Mathematics
- (b) Professor of Botany
- (c) Professor of Zoology
- (d) Reader in Geography
- (e) Senior Lecturer in Statistics
- (f) Senior Lecturer in Bio-chemistry

#### Faculty of Technology and Engineering

- (a) Reader in Architecture
- (b) Senior Lecturer in Chemistry
- (c) Senior Lecturer in Physics
- (d) Junior Lecturer in Geology



## Faculty of Fine Arts

Junior Lecturer in Sculpture.

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

<i>Present designation</i>	<i>Proposed designation</i>
(a) Reader in Social Work	Professor or Reader in Social Work
(b) Senior Lecturer in Social Work for the Social Education Organisers' Training Centre	Reader in Social Work for the Social Education Organisers' Training Centre

- (9) 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, 1957 was also considered and passed.

- (10) A proposal of Shri S. A. Sabnis regarding raising the age of superannuation of the employees of the University from 55 to 60 years was referred back to the Syndicate.

## CHAPTER IV—THE SYNDICATE

## 1. Number of meetings

During the year, the Syndicate held ten meetings at which they considered and passed resolutions on 918 items. Some of the important decisions are mentioned in the following paragraphs.

## 2. Attendance at meetings

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

<i>Name</i>	<i>No of meetings held</i>	<i>Class of meeting</i>	<i>Present</i>	<i>Absent</i>	<i>Remarks</i>
1 Shrimati Hansa Mehta, Vice-Chancellor	10	O. 4 S. 6	O. 3 S. 6	O. 1 —	
2 Dr. C. S. Patel, Pro-Vice-Chancellor	10	O. 4 S. 6	O. 4 S. 5	— S. 1	
3 Shri N. R. Trivedi, Dy. Director of Education	10	O. 4 S. 6	O. 1 S. 2	O. 3 S. 4	
4 Dr. Jivraj N. Mehta	10	O. 4 S. 6	O. 4 S. 5	— S. 1	
5 Shri C. J. Sutaria	10	O. 4 S. 6	O. 4 S. 6	— —	
6 Dr. Jyotindra M. Mehta	10	O. 4 S. 6	O. 3 S. 5	O. 1 S. 1	
7 Dr. R. K. Trivedi	10	O. 4 S. 6	O. 2 S. 4	O. 2 S. 2	
8 Shri B. B. Joshi	10	O. 4 S. 6	O. 4 S. 6	— —	
9 Shri P. C. Hathi	10	O. 4 S. 6	O. 1 S. 1	O. 3 S. 5	Ceased to be a member from 14-9-1956
10 Shri N. D. Chokshi	10	O. 4 S. 6	O. 1 S. 1	O. 3 S. 5	Ceased to be a member from 14-9-1956



Name	No. of meetings held	Class of meeting	Present	Absent	Remarks
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. 2 S. 5	O. 2 S. 1	
13 Shri V. Y. Kantak	10	O. 4 S. 6	O. 3 S. 3	O. 1 S. 3	
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. 1 S. 1	O. 3 S. 5	Ceased to be a member from 14-9-1956
16 Dr. M. D. Patel	10	O. 4 S. 6	O. 1 S. 1	O. 3 S. 5	Became member from 15-9-1956
17 Shri J. S. Parikh	10	O. 4 S. 6	O. 2 S. 3	O. 2 S. 3	Became member from 15-9-1956
18 Dr. T. V. Patel	10	O. 4 S. 6	O. 1 S. 4	O. 3 S. 2	Became member from 15-9-1956

### 3. Starting of new departments and courses

An important decision by the Syndicate in the direction of improvement of the educational pattern was to introduce three year degree courses in the Faculties of Arts, Science and Commerce. As a consequential change the procedure of admissions for Medical and Engineering Degree courses was modified. It was laid down that passing of Pre-medical examination shall be the minimum qualification for admission to the M.B.,B.S. course in the University from June, 1958. It was decided to start a Pre-medical course in the Faculty of Science from June, 1957. In the case of admissions to the Technology and Engineering Degree courses it was decided to add the Pre-professional course to the existing degree courses and re-organise them into integrated courses of five and four years' duration respectively. All these new courses were started from June 1957.

The Syndicate also considered the question of integrating the General Education courses in the three year degree courses. The General Educa-

tion Committee had already drawn up in the previous year a detailed scheme of lectures in the three areas of Humanities, Social Sciences and Natural Sciences and recommended that the subjects be included in the first two years of the three year degree courses. The Syndicate approved this recommendation and included General Education as a regular subject in the three year degree courses. It was also decided to include it as a regular subject in the Pre-medical course, the First Year of the new B.E. course, and the first years of the courses in the Faculties of Home Science and Fine Arts. It was also decided that there should be no formal year-end examination in this subject but the student's progress and performance be judged on the basis of the record of his class-work throughout the year. The University had the advantage of being the seat of a regional Seminar on General Education convened by the Ministry of Education on the 6th and the 7th February, 1957 at which representatives of eight Universities participated. Two of its teachers were also deputed by the Government of India to study General Education programmes in U.S.A. Deliberations at the Seminar showed that there a lot of clarification and co-ordination was needed to implement properly the General Education programme. The Syndicate, therefore, sanctioned a separate department of General Education with a whole-time Co-ordinator and necessary staff and a separate office, to co-ordinate and watch the progress of General Education programme in the University.

The Syndicate approved the starting of the following new courses :

- ( i ) Post-graduate course leading to the Diploma in Library Science;
- ( ii ) Post-graduate courses leading to the degrees of Master of Engineering ( Civil, Mechanical and Electrical ).

### 4. New developments and improvements in the existing departments

In the Faculty of Arts, new post of Junior Lecturer in Hindi was sanctioned to replace the post of a part-time teacher and part-time appointments in the department of English were continued to provide for intensive teaching of English. Suitable special grants were also provided for books, contingency and equipment to continue research and publication work in the departments of Economics, Gujarati, History, Sanskrit and Sociology.

In the Faculty of Science, instituted posts of Professors of Statistics and Physics were filled up to handle the development of post-graduate and



research work which has been expanding steadily in these departments. One Junior Lecturer was added to the staff of each of the departments of Botany, Zoology and Mathematics. A micro-analytical laboratory was started in the department of Chemistry and special grants were approved for Herbarium room in the Botany department and for furnishing the research room of Zoology department.

In the Faculty of Education and Psychology, a Professor in Educational Administration and a Reader in Psychology were appointed during the year. Provision was also made for purchase of apparatus, equipment, printing, etc. for research.

In the Faculty of Commerce, three part-time posts of Professors of Cost and Management Accounts, Industrial Law and Income-tax Law were filled up.

In the Faculty of Technology and Engineering, posts of Professor of Architecture and Professor of Textile Chemistry were filled up. Also new posts of a Senior Lecturer in Textile Chemistry and Junior Lecturer in Civil Engineering were created.

In the Faculty of Fine Arts, a post of Junior Lecturer in Exhibition and Photography was created. An additional amount for deadstock, equipment and apparatus was provided to meet the additional requirements for post-graduate instructions.

In the Faculty of Home Science, the staff was strengthened by addition of a Senior Lecturer and a Junior Lecturer.

Post-graduate scholarships in all the Faculties and Institutions were revised from Rs. 30 per month to Rs. 40 per month.

The administrative and supervision work of Shrimati Sarojini Devi Hall of Residence for women students having increased considerably, a full time Superintendent for the Hall was appointed from the 1st May, 1957.

##### 5. Honorary Professors

The scheme of inviting eminent scholars and experts in the specialised branches of knowledge as Honorary and Visiting Professors and Lecturers is continued. Under the scheme, Shri C. C. Mehta, Honorary Professor of Dramatics in the College of Indian Music, Dance and Dramatics, Shri H. K. Doring, Honorary Professor in Sculpture in the Faculty of Fine Arts, Principal N. M. Shah, Honorary Professor of Mathematics in the Faculty of Science, Shri L. B. Shastri, Honorary Lecturer in Aesthetics in the

Faculty of Fine Arts, Shrimati Mirabai Badkar and Shri Goolam Rasul-khan, Honorary Lecturers in the College of Indian Music, Dance and Dramatics were continued during the year. Shri G. M. Jadhav was appointed Honorary Lecturer in French and German during the year. Besides these, some other eminent persons were invited to deliver lectures, the details of which will be found in Chapter XXIV.

##### 6. Research Assistants and Research Students

Schemes to appoint Research Assistants and Research Students was also continued. During the year, there were five Research Assistants and four Research Students working in the University under this scheme.

##### 7. Additional grants for research

In addition to the amounts sanctioned in the revenue budget and grants received from Government and Research Bodies, the University also considered the schemes of surveys, research, studies, etc., and sanctioned necessary grants for books, equipment and contingency to improve facilities for research work. Some schemes approved previously were continued and some additional schemes were sanctioned during the year. Additional grants sanctioned during the year were as follows:

<i>Department/ Faculty</i>	<i>Particulars</i>	<i>Amount sanctioned Rs.</i>
Economics	Books	500
Gujarati	Schemes of publishing Critical Editions of Old Gujarati Texts	6,050
	Publication of late Professor B. K. Thakore	2,135
History	Scheme of Research in Muslim History of Gujarat	5,900
	Research in Modern Indian History	1,500
Sociology	Books, equipment and contingencies for field work etc.	13,800
Sanskrit	Publication of translation of 9th mandal of Rigveda	700
Politics	Survey of Rural Local Government in Baroda Taluka	2,900



<i>Department/ Faculty</i>	<i>Particulars</i>	<i>Amount sanctioned Rs.</i>
Science	Equipment for Zoology Department, fittings for Micro-Analytic Laboratory, contingencies for fine chemicals, etc.	5,000
Education and Psychology	Apparatus, equipment, printing, stationery, T. A. and contingency for research in Education.	3,500
Faculty of Technology and Engineering	Scheme of a study of Geology of 'Amba Mata' Area—Field work expenses, Books and contingency.	1,000
College of Indian Music, Dance and Dramatics	Books	2,000
General	Scheme of Compilation of Chronology of Gujarat	13,200
	Publication of Research papers etc.	2,500
Department of Banking	Staff, Books, Equipment, etc.	13,075
Department of Museology	Staff, Books, Equipment, etc.	23,680
Department of Archaeology	Explorations, Excavations, Museum, etc.	16,100
Total		1,13,540

#### 8. Facilities to the members of the staff for higher studies and educational visits

(a) The following members of the staff were granted facilities for further studies in India and abroad:

<i>Name</i>	<i>Designation</i>	<i>Nature of Studies</i>
1. Dr. A. N. Jani	Senior Lecturer in Sanskrit	For the study of Research Methods in Germany.
2. Shri S. S. Merh	Senior Lecturer in Geology	Ph. D. in Geology at the Imperial College, London.

<i>Name</i>	<i>Designation</i>	<i>Nature of Studies</i>
3. Miss Henrietta Christie	Junior Lecturer in the Faculty of Home Science	To avail of the T.C.M. Scholarship for further studies in the University of Tennessee (U. S. A.)

(b) The following members of the staff were granted necessary facilities to go abroad:

<i>Name</i>	<i>Designation</i>	<i>Purpose</i>
1. Dr. N. G. Kalelkar	Senior Lecturer in Linguistics	To visit U. S. A. as a Senior Indian Linguist at the invitation of Rockefeller Foundation, New York for Language Project Foundation of New York.
2. Professor B. J. Sandesara	Professor of Gujarati	To avail of the Fellowship offered by Rockefeller Foundation to visit U. S. A., U. K. etc. for travel, experience and intellectual associations abroad.
3. Professor M. N. Srinivas	Professor of Sociology	To avail of the Rockefeller Foundation grant for research and writing a book in United Kingdom and United States.
4. Professor T. K. N. Menon	Professor and Dean, Faculty of Education and Psychology	To join the team of Educationists of India to visit U. S. S. R. to study the prevailing system of education in Russia for a period of three weeks.
5. Shri V. Y. Kantak	Reader in English & Dean, Faculty of Arts	For General Education Programme Study Tour in U. S. A. under India Wheat Loan Educational Exchange Programme.
6. Shri K. S. Yagnik	Principal, University Experimental School	For General Education Programme Study Tour in U. S. A. under the India Wheat Loan Educational Exchange Programme and visits to some other places on return journey.



(c) The following member of the staff was deputed for training in India:

Name	Designation	Training
Shri A. G. Phatak	Demonstrator in Statistics	Training in Quality Control at the Indian Statistical Institute, Calcutta from 1-7-1956 to 31-3-1957.

#### 9. (a) Ordinances and Rules amended

##### (1) Ordinances:

No. of Ordinance	Particulars
O. 2	Number of teachers on the Board of Studies in Sociology was amended. Three new Boards of Studies viz. (i) Linguistics, (ii) Library Science, and (iii) Law were added.
O. 31	Powers delegated to the Superintendent, Physical Education and the Principal, Baroda Sanskrit Mahavidyalaya were amended.
O. 45	Charges for the use of residential buildings were amended to include the charges for new staff quarters at the Social Education Organisers' Training Centre, Samiala.
O. 46	Lodging charges in the University Guest House were clarified.
O. 167	Two more examinations were added to the list of examinations recognised for admission to the University.
O. 169	Rules regarding admission to the First Year of Diploma courses in the Faculty of Technology and Engineering were simplified.
O. 174	The words 'Preparatory Arts—Science—Commerce' were substituted for the words 'First Year Arts—Science—Commerce'.
O. 175	Some more examinations were added to the list of equivalent examinations.
O. 183	In case of certain Faculties minimum attendance was prescribed per year instead of per term.

##### No. of Ordinance

##### Particulars

O. 184	Terms kept by students in 'Sardar Vallabhbhai Vidyapeeth' were recognised.
O. 185	Amendment consequential to amendment of O. 183.
O. 192	Amended to include certain fee scales laid down during the year.
O. 193	Procedure of collecting Union, Gymkhana and Medical examination fees was amended. Admission fee of Rs. 5 prescribed for Diploma courses in Music.
O. 197	Rules regarding constitution of the Board of Visitors were amended to include more experts on Boards.
O. 198	Qualifications for some new posts in Fine Arts Faculty were added.
O. 199	Salary scales of some new posts were added.
O. 200, 203, 204, 205 and 206	Ordinances relating to conditions of service and leave for the University employees, were suitably amended to bring the Press workers under these Ordinances.
O. 207	Exchange Leave rules were suitably amended.
O. 209	Study Leave rules were liberalised.
O. 216, 216A and 220	Scholarships rules were amended.
O. 225	The Ordinance laying down that University employees admitted for study shall not be eligible for any scholarship was deleted.
O. 259	Academic costumes were prescribed for new degrees.
O. 260B, 260C, 260D, 260E, 260F, 260G, 260I, 260K, 260N	Rules regarding travelling and halting allowances for the members of the various bodies of the University, were amended.
O. 261	Rules regarding conduct of examinations were amended.

##### (2) Rules:

(i) Rules 2, 6 and 10(e) of rules regarding Provident Fund were amended.



(ii) Rules relating to research studentships were amended by addition of rule 14 regarding grant of leave to research students.

**(b) New Ordinances and Rules added**

**(1) New Ordinances :**

<i>Ordinance number</i>	<i>Particulars</i>
O. 44A	Charges for use and service of equipment for the Public Address System available from the Faculty of Technology and Engineering.
O. 45 A	Temporary residential accommodation of members of teaching staff in the Halls of Residence.
O. 169A	Prescribing minimum qualifications for admission to the Faculty of Home Science.
O. 184A	Provision for migrated students to appear in the examination of this University.
O. 199A	Charges for application forms.
O. 201A	Method of calculating pension equivalent of provident Fund.
O. 205A	Sick leave to Press Workers.
O. 209A	Grant of due leave or leave without pay for educational purposes.
O. 215A and 210B	Departmental Penalties and Appeals.
O. 220 A	Stipends in the Baroda Sanskrit Mahavidyalaya.
O. 220 B	Scholarship in Chemical Technology Department of the University of Bombay.
O. 265 A	Remuneration to examiners.

**(2) New Rules :**

<i>Rule No.</i>	<i>Particulars</i>
(i)	Duties and responsibilities of the University Engineer.
(ii)	Giving tea etc. during the meetings of various bodies of the University.
(iii)	Granting permission to publishers to print some portions from the works of late Professor B. K. Thakore.

**Rule No.**

**Particulars**

(iv)	Entrusting the work of editing texts to be published under the series of Critical editions of old Gujarati texts to some competent outside scholars.
(v)	Sharing of net profits derived from the sale of articles prepared as a part of practical work or as outside order work carried out in Faculties and Institutions of the University.
(vi)	Payments to Honorary Professors and Lecturers and Visiting Professors and Lecturers.
(vii)	Medical examination of candidates as to their physical fitness for University service.
(viii)	Demonstrations for outsiders for seeing the stars and planets through the astronomical telescope in the Faculty of Science.
(ix)	Rules regarding Discipline and Conduct of University employees.
(x)	Dearness allowance rules.
(xi)	House rent allowance rules.
(xii)	Maharaja Sayajirao Memorial Lectures Rules.



## 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 the 20th July, 1956, on the 7th November, 1956 and on the 9th March, 1957 and considered in all 68 items referred to it.

The following are some of the main items considered by the Council:

(1) The Council scrutinised the progress reports of the following research schemes and work done by Research Assistants, Research Students and Ph.D. students and made necessary recommendations thereon:—

#### (a) Research schemes:

(i) 'Scheme of editing critical editions of old Gujarati Texts' carried on by the Department of Gujarati. Report was recorded.

(ii) 'Bio-synthesis of Citric Acid in Citrus Fruits' carried on by Dr. C. V. Ramkrishnan, Head, Dr. K. G. Naik Department of Biochemistry, Faculty of Science. Report was recorded.

(iii) 'Scheme for editing the records of correspondence between Baroda Government and Baroda Residency' carried on by Professor G. B. Pandya, Head of the History Department, Faculty of Arts. Report was recorded.

#### (b) Research Assistants and Students:

(i) Shri B. B. Joshi, Research Assistant, Botany Department

Recommended continuance of Research Assistantship.

(ii) Kumari K. B. Ambegaonkar, Research Student, Botany Department

Recommended continuance of Research Studentship.

(iii) Kumari F. M. Gandhi, Research Student, Faculty of Education and Psychology

Recommended that the report be recorded in view of the completion of her work.

(iv) Shri S. N. Kazi, Research Student, History Department  
Recommended continuance of Research Studentship.

(c) Progress reports of 109 Ph.D. students :  
Recommended cancellation of registration of 34 students whose progress was not found satisfactory.

(2) The Council recommended the following new and/or amendments to Ordinances and Rules relating to Post-graduate Studies and Research:—

(a) Amendment of Ordinance 756 about appointment of referees for Ph.D. thesis. In the amendment provision was made that the Council shall recommend the names of at least four referees including the internal referee.

(b) Amendment of note below rule 4 (iii) of Rules Relating to Post-graduate Studies and Research restricting registration of medical graduates for post-graduate courses within one month of the date of the commencement of the term or results of the M B., B.S. whichever is later.

(c) Ordinances about M.E. (Civil, Mechanical and Electrical) courses.

(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.

#### Faculty of Arts

Name	Diploma/Degree	Subject
1 Shri R. N. Mehta	M.A.	Ancient Indian History and Archaeology
2 Dr. C. P. Shukla	Diploma in Library Science	Library Science
3 Dr. A. H. Somjee	M.A., Ph.D.	Politics
4 Dr. S. C. Misra	M.A., Ph.D.	History
5 Shri K. N. Pai	Diploma in Library Science	Library Science
6 Dr. I. S. Gulati	M.A., Ph.D.	Economics



Name	Diploma/Degree	Subject
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**Faculty of Science**

7	Shrimati V. A. Janaki	M.A., M.Sc.	Geography
8	Shri C. M. Gupta	M.A., M.Sc.	Geography

**Faculty of Education and Psychology**

9	Shri M. A. Quraishi	M.Ed. (by Papers, Dissertation and Thesis)	Education
10	Shri H. J. M. Fernandes	M.Ed.	Education
11	Shri S. M. Divekar	M.Ed.	Education
12	Shri I. J. Das	M.Ed.	Education
13	Shri G. P. Bhatt	M.Ed.	Education
14	Shrimati M. M. Amin	M.Ed.	Education
15	Dr. T. V. Shrinivasiah	M.Ed.	Education
16	Dr. D. M. Desai	M.Ed. (by Papers and Research) Ph.D.	Education

**Faculty of Technology and Engineering**

17	Professor D. Subbarao	M.E.	Civil—Advanced Irrigation and Hydraulic Engineering
18	Professor P. J. Madan	M.E.	Civil—Highway and Bridge Engineering
19	Professor L. B. Shah	M.E.	Mechanical—Internal Combustion and Steam Engineering
20	Professor S. M. Sen	M.E.	Electrical—Electro-magnetics. Higher Circuit analysis and Servo-Mechanisms and Automatic Control Devices
21	Shri K. H. Patel	M.E.	Textile Engineering
22	Shri S. S. Merh	M.E.	Geology

**Faculty of Home Science**

23	Shrimati Renuka Mukerjee	M.Sc.	Child Development
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Name	Diploma/Degree	Subject
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**Faculty of Social Work**

24	Miss Helen Pinkus	M.S.W.	Social Work
25	Shri P. M. Mathew	M.S.W.	Man and Society Industrial Labour

**2. Faculties**

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

S. No.	Name of the Faculty	Date of the meeting
( i )	Arts	19th March, 1957
( ii )	Science	18th March, 1957
( iii )	Education and Psychology	22nd August, 1956 12th December, 1956 14th March, 1957
( iv )	Commerce	25th March, 1957
( v )	Medicine	14th October, 1956 23rd June, 1957
( vi )	Technology and Engineering	17th March, 1957
( vii )	Fine Arts	24th February, 1957
( viii )	Home Science	17th December, 1956
( ix )	Social Work	22nd November, 1956
( x )	Jt. meeting of the Faculties of Arts, Science and Commerce	18th March, 1957
( xi )	Jt. meeting of the Faculties of Arts and Commerce	18th March, 1957

The main business at the meetings of the Faculties of Arts, Science and Commerce, Education and Psychology and Technology and Engineering and the two joint meetings of the Faculties of Arts, Science and Commerce and the Faculties of Arts and Commerce, was to consider the recommendations of the various Boards of Studies about the syllabi in the subjects coming within their purview for the three year degree courses, the Pre-medical course and the new B.E. and B.Text. courses scheduled to start from June, 1957. The following are some of the other recommendations made by the Faculties mentioned above and the other Faculties :—

- ( a ) The Faculties of Arts, Science, Education and Psychology and Commerce recommended that the viva voce be introduced at the Master's degree examination.



(b) Faculty of Arts on the recommendation of the relevant Boards of Studies recommended that

- (i) Two new degrees 'Vachaspati' and Master's degree in 'Library Science' be instituted, and
- (ii) Candidates, who have passed the 'Shastri' examination be considered eligible for admission to first year B.A. provided they have passed S.S.C. in subjects laid down in Ordinance 167.

(c) Faculty of Education and Psychology on the recommendation of the relevant Boards of Studies recommended :

- (i) Addition of methods of teaching Agriculture, Commerce, Social Studies, School Libraries and School Administration in B.Ed. examination.
- (ii) Raising of credit for class work in the T.D. and B.Ed. examinations in theory and practicals to 30 and 33½ percent respectively.

(d) Faculty of Commerce on the recommendation of the relevant Boards of Studies recommended

- (i) Revision of the scheme of papers and the syllabi of some of the papers of the post-graduate Diploma in Banking and laid down that graduates in Arts admitted to this course be required to pass a qualifying test in Book Keeping.
- (ii) One month's practical training in Co-operative Societies and Banks for students of the undergraduate Diploma in Co-operation and revision of the minimum qualification for admission to the Diploma to passing the First Year in Arts, Science or Commerce of the three year course or Intermediate Arts, Science or Commerce of four year course.

The Faculty also appointed committees to draw up syllabi for two new post-graduate Diplomas viz. Diploma in Co-operation and Diploma in Insurance.

(e) Faculty of Medicine recommended

- (i) institution of a post-graduate Diploma in Orthopaedic Surgery;

(ii) recognition of eleven hospitals for post-examination training;

(iii) Ordinances 489 A to E for Internship.

The Faculty also gave detailed opinion to the Syndicate on the various recommendations of the Undergraduate Medical Education Conference convened by the Ministry of Health, Government of India at New Delhi, from the 19th to the 22nd November, 1955.

(f) Faculty of Technology and Engineering on the recommendation of the relevant Boards of Studies recommended that

- (i) the system of considering students, who pass the Diploma in Civil, Mechanical and Electrical Engineering in first class as eligible for admission to the second year of the corresponding degree courses be continued on a permanent basis,
- (ii) students, who fail in S. E. examination be considered eligible for admission to second year of the corresponding Diploma course in Engineering.

(g) Faculty of Fine Arts on the recommendation of the relevant Board of Studies recommended that

- (i) In the 5 years' B.Arch. degree course candidates, who have passed the Diploma in Architecture upto and including examination held in 1956 or the Intermediate Examination in Architecture of this University with five years' practical experience be exempted from attendance in the 4th year and be permitted to appear at the 4th year examination and after passing the same be admitted to the 5th year of the B.Arch. Course;
- (ii) the experiment of spreading the preparatory course over two years, which was started from June, 1955 having been found unsatisfactory the preparatory course be done in one year as per the former practice from the session commencing from July, 1957;
- (iii) the scheme of advanced (post-diploma) course in Dancing be approved;
- (iv) One seat in the post-graduate Diploma in Museology be reserved for a candidate who has passed B.A. (Fine).



(h) Faculty of Home Science on the recommendation of the Board of Studies recommended

- (i) Addition of 'Clothing, Textile and Related Arts' as a subject in the B.Sc. (Home) Science;
- (ii) the revision of the scheme and syllabi of the B.Sc. (Home) courses so that in the new scheme the teaching of general courses will be spread over the first three years of the course for all students and even in the fourth year for students who opt for the same. Other students will have the option to specialise in one of the majors—Child Development, Foods and Nutrition, Home Science Education, Home Management and Clothing, Textile and Related Arts.

### 3. Boards of Studies

There are in all 37 Boards of Studies. Their meetings were held in the year as shown below :—

<i>Name of the Board</i>	<i>Date of the meeting</i>
(i) Sanskrit, Pali and Ardha Magadhi Languages and Literature	15th November, 1956
(ii) Persian, Urdu and other Asian Languages and Literature	25th November, 1956
(iii) Hindi Language and Literature	20th November, 1956
(iv) Gujarati Language and Literature	5th October, 1956
(v) Marathi Language and Literature	7th November, 1956
(vi) English Language and Literature	11th October, 1956
(vii) Modern and Ancient European Languages and Literature	8th December, 1956
(viii) Sociology	22nd November, 1956
(ix) History, Archaeology and Ancient Indian Culture	12th October, 1956
(x) Philosophy	24th September, 1956
(xi) Library Science	19th January, 1957
(xii) Linguistics	25th February, 1957
(xiii) Law	8th January, 1957
(xiv) Physics and Meteorology	20th January, 1957
	19th November, 1956

<i>Name of the Board</i>	<i>Date of the meeting</i>
( xv ) Chemistry	24th November, 1956
( xvi ) Botany	11th November, 1956
( xvii ) Zoology	10th December, 1956
( xviii ) Bio-Chemistry	27th November, 1956
( xix ) Education	22nd August, 1956
( xx ) Psychology	11th December, 1956
	13th March, 1957
( xxi ) Commerce, including Business Organisation, Accountancy and Audit, Banking etc.	13th November, 1956
	18th March, 1957
( xxii ) Anatomy and Physiology	19th January, 1957
( xxiii ) Pharmacology	29th November, 1956
( xxiv ) Medicine, Surgery, Midwifery etc.	14th October, 1956
( xxv ) Technology	12th November, 1956
( xxvi ) Engineering	12th November, 1956
( xxvii ) Painting, Sculpture and Applied Arts	10th November, 1956
	23rd February, 1957
(xxviii) Architecture	11th November, 1956
(xxxix) Music, Dance and Dramatics	2nd December, 1956
( xxx ) Museology	11th November, 1956
( xxxi ) Home Science	13th August, 1956
	17th December, 1956
( xxxii ) Social Work	21st November, 1956
(xxxiii) Mathematics	30th September, 1956
	1st October, 1956
	18th November, 1956
	19th November, 1956
	19th March, 1957
(xxxiv) Statistics and Actuarial Science	18th November, 1956
(xxxv) Geology and Geography	18th December, 1956
(xxxvi) Economics	13th November, 1956
	18th March, 1957
(xxxvii) Politics and Administration	26th November, 1956



*Name of the Board**Date of the meeting**Joint meetings*

- |  |                     |
|--|---------------------|
| ( i ) Chemistry, Technology and Engineering    | 17th March, 1957    |
| ( ii ) Physics, Technology and Engineering     | 17th March, 1957    |
| ( iii ) Engineering and Technology             | 12th November, 1956 |
| ( iv ) Mathematics, Technology and Engineering | 17th March, 1957    |
| ( v ) Economics and Commerce etc.              | 13th November, 1956 |
|  | 18th March, 1957    |

The items of business at the meetings of the Boards comprised elections, drawing up of panels of examiners, consideration of reports of examiners, revision of syllabi and reviewing the standard of admissions and passing, schemes of examinations etc. of various courses. During the current year, however, much of the time at the meetings was spent on drafting of the syllabi of the new three year degree courses in Arts, Science and Commerce, Pre-medical course and the new integrated degree courses in Engineering and Technology. Some of the noteworthy recommendations made by certain Boards are included in the recommendations of the Faculties mentioned in the preceding paragraphs.

## CHAPTER VI—OTHER BOARDS AND COMMITTEES

**General**

Besides the authorities mentioned in the foregoing chapters, there are several other Boards and Committees. The work done by some of these bodies during the year is mentioned below :

**1. University Board of Sports**

Four meetings of the Board of Sports were held during the year. The Inter-University Cricket Tournaments, South Zone and All India Finals were held at Baroda during the year and the Board appointed an Organising Committee under the Chairmanship of Dr. C. S. Patel, Pro-Vice-Chancellor. The Board also approved certain arrangement for running the Boat House. The Board also recommended that those students who have completed two years of compulsory Physical Training either in A. C. C. or N. C. C. in this or in any other University be exempted from A. C. C. parades. On the recommendations of the relevant selection committees the Board approved to send Cricket Team, Volley Ball Team, Tennis Team, Badminton Team and Kho-Kho Teams (men and women) to participate in the Inter-University Tournaments. The Board unanimously resolved that His Highness the Chancellor Shri-mant Fatehsinhrao Gaekwad be invited to accept the "Honorary University Colours" as an outstanding cricketer and for his valuable and generous contribution to the development of the same. The Board also recommended to invite Inter-University Badminton Tournaments at Baroda during the year 1957-58.

**2. Publication Board**

The Publication Board met once during the year on the 6th July, 1956 and considered thirteen items. The Board considered and recommended for approval of the Syndicate the future programme of publications under the Gaekwad Oriental Series and the publication of the following works by the University :

<i>Sr. No.</i>	<i>Title</i>	<i>Estimated cost</i>
		<i>Rs.</i>
( i )	Lectures on ' Design of Experiments ' delivered by Shri M. C. Chakrabarty	1,200
( ii )	નાચ્યશાસ્ત્ર અને આચાર્ય અમિનવગુપ્તાચાર્ય	



Sr.No.	Title	Estimated cost Rs.
(iii)	भारतनाट्यशास्त्र : Selected Verses	628
(iv)	अभिनेयनाटको (Guide to selecting plays)	1,042
(v)	Text-book on Foods and Nutrition to be written by Dr. F. Kitrell	6,250
(vi)	The Report of the Seminar on Indian Philosophy of Education and the contribution of India to Psychology	500
(vii)	A Manual of Guidance Techniques for Secondary Teachers	500
(viii)	Muslim Educational System in the Middle Ages	400
(ix)	Kevaladvaita in Gujarati Poetry by Dr. Y. J. Tripathi	2,575

### 3. Library Committee

The Library Committee met once during the year in the beginning of the academic year. The annual book grant was allocated amongst the different subjects. Vendors for the supply of books during the year 1956-57 to the University Library and the libraries of the institutions were recommended. The Committee recommended the deputation of staff members in various libraries of the Faculties and Institutions to the newly started course of the Diploma in Library Science. The new simplified procedure for the purchase of books for the University Library and the libraries of the institutions was recommended for adoption.

### 4. University Building Committee

A meeting of the Building Committee was held on the 9th January, 1957. The Committee scrutinised and recommended the works of ordinary and special repairs to be carried out during the year 1957-58 and recommended to take up the following new works:

- (i) A common room for women students of the Faculties of Arts, Science, Education and Psychology, Commerce and the Intermediate College in the campus of these institutions.
- (ii) Stone carving shed in the Faculty of Fine Arts.
- (iii) Boiler House and the Heat Engines Laboratories in the Faculty of Technology and Engineering.
- (iv) New works at the Social Education Organisers' Training Centre at Samiala.

### 5. 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 total number of handbooks, calendars, bulletins etc. of the Universities in various countries in the library of the bureau at the end of the year, was 2,124 out of which 224 were added during the year.

In the year 1956-57 the bureau received 45 circulars regarding scholarships, fellowships, other useful information about procedure and conditions of admissions etc. and announcements regarding the various short-term and long-term courses from various foreign and Indian Universities. Besides these, the bureau received cyclostyled literature from the Ministry of Education regarding important courses of studies offered in various Universities in U. K., U. S. A., and other foreign countries. Copies of all these were sent to the Faculties and Institutions concerned for giving guidance to the students desiring to proceed abroad for higher studies. Written replies were sent to 44 queries from students and others desiring to proceed abroad. In addition, information regarding higher studies abroad was supplied to 227 students in the office of the bureau.

### 6. Standing Committee on Equivalence of Examinations

The Standing Committee on Equivalence of Examinations met twice during the year once on the 20th July, 1956 and another on the 9th March, 1957 and considered in all 22 items referred to it. The following are some of its recommendations which were approved by the Syndicate:

#### (a) Equivalence of Examinations

Name of the University	Examinations recognised	Examination of this University to which considered equivalent
Venkateswar	B.A. (Gen.), B.Ed., B.Com., B.Sc.	Corresponding Examinations.
Viswabharati	I.A., I.Sc., B.A., B.Ed., M.A.	do
Roorkee	B.E. (Civil, Mechanical and Electrical)	do
Sardar Vallabhbhai Vidyapeeth	I.A., B.A., M.A., I.Com., B.Com., I.Sc., B.Sc. (Sub.), B.Sc. (Prin.), M.Sc., F.E., S.E., B.E. (Civil, Mechanical and Electrical)	do



<i>Name of the University</i>	<i>Examinations recognised</i>	<i>Examination of this University to which considered equivalent</i>
Gujarat	I.A., I.Sc., I.Com., 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, Mechanical and Electrical), Ist, IInd and IIIrd M.B., B.S.	Corresponding Examinations.
Banaras	Shastri	Corresponding Examinations.
All Universities in the State of Bombay	First Year Arts, Science and Commerce	Preparatory Arts, Science and Commerce.
Venkateswar	First Year Arts, Science and Commerce	Preparatory Arts, Science and Commerce.

**(b) Special cases of eligibility for admission**

<i>Name of the candidate</i>	<i>Course to which recommended for admission</i>
Shri C. H. Prajapati	Senior B.Sc. with Principal Mathematics.
Kumari S. S. Shah	First Year B. Mus.
Shri G. B. Patel	First Year B. Mus.
Shri J. W. Mulyari	First Year Commerce
Shri S. A. Zamir	Intermediate Science (A group)
Kumari V. V. Desai	M. S. W.
Kumari H. G. Oza	M. S. W.
Shri R. S. Shah	M.Ed.

**7. Boards of Visitors**

The meetings of the Boards of Visitors for the Institutions mentioned below 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 :

(a) *For the Faculty of Arts*: The Board met on the 7th January, 1957 and recommended that (i) a Women Students' Common Room with attached cycle shed be built in the Baroda College area, (ii) the instituted post of Professor in History be filled from the next academic year, (iii) three part-time posts of lecturers in English be converted into full-time posts and (iv) 20,000 square feet of additional accommodation is necessary

to house the post-graduate departments and that the University Grants Commission be approached for a suitable grant for the additional space.

(b) *For the Faculty of Science*: The Board met on the 13th February, 1957 and recommended that (i) three posts of Readers in the departments of Zoology, Botany and Mathematics, one post of Lecturer in Statistics and one post of Senior Lecturer in Bio-chemistry be filled from the next academic year, (ii) an amount of Rs. 3,000 be sanctioned for purchase of cupboards in Herbarium of the Botany Department and Rs. 15,000 be sanctioned for the cold room in the Bio-chemistry Department, (iii) an Animal House be provided for the Bio-chemistry Department and (iv) contingency grants for laboratory and gas, research and Bio-chemistry Department be increased.

(c) *For the Faculty of Education and Psychology*: The Board met on the 7th March, 1957 and recommended that the instituted posts of Reader in Psychology and Reader in Education be filled from the next academic year.

(d) *For the Faculty of Commerce*: The Board met on the 8th January, 1957 and recommended that (i) the instituted posts of Reader or Senior Lecturer in Commerce, Senior Lecturer in Banking and Senior Lecturer in Accounts be filled from the next academic year, (ii) the subject of Business Administration (Problems of Business Management) be introduced in M.Com. course and as an Optional subject in B.Com. course and (iii) a viva-voce test be introduced at M.Com. examination.

(e) *For the Faculty of Medicine*: The Board met on the 29th and the 30th January, 1957 and recommended that (i) the Principal of the Medical College be authorised to fill up all seats remaining vacant in the first M.B., B.S. from the eligible waiting candidates of the local Universities in the first week of July every year, (ii) the number of servants in the Nurses and Resident Medical Officers quarters be augmented and that the Resident Medical Officers' mess be run departmentally, (iii) a water cooler be installed in the out-patient department for the patients, (iv) the P. B. X. telephone system be installed in the hospital, (v) the Animal House be improved by some structural additions and alterations and installing suitable cooling arrangements, (vi) additional staff of one Lecturer, one Medical Social Worker, one Technician and a Bio-statistician and a clerk-typist, and purchase of a typewriter be sanctioned for the Preventive and Social Medicine Department, (vii) two or three exhaust



fans be installed in the Isolation Ward where tetanus cases are warded and (viii) Living rooms with ordinary amenities be speedily provided on the premises of all Civil Hospitals which have been recognised for post-examination training of students.

(f) *For the Faculty of Technology and Engineering:* The Board met on the 11th February, 1957 and recommended that (i) the present grades of Professors, Readers and Lecturers be revised and these be made uniform in the Engineering Colleges in Western Region, (ii) research work in Pre-stressed concrete be taken up and (iii) Government of India be approached for an interest-free loan for staff quarters.

(g) *For the Faculty of Fine Arts:* The Board met on the 10th January, 1957 and recommended that (i) the scheme for the degree courses in Textile design be prepared and submitted to the Western Regional Committee, All India Council of Technical Education with all the financial implications, building requirements etc., (ii) the instituted post of Professor in Sculpture be filled, (iii) a post of Junior Lecturer in Bronze Casting and Junior Lecturer in Pottery be created and filled from the next academic year and (iv) a post of an Honorary Professor in Museology be created and the instituted post of a Junior Lecturer in the Department of Museology be filled.

(h) *For the Faculty of Home Science:* The Board met on the 12th February, 1957 and recommended that (i) the new courses in Clothing and Textiles be started, (ii) the matching team member from the Faculty to the T. C. M. Experts assigned to this Faculty may not be a teacher of the same specialisation as the expert from the United States and that the Ministry of Education, Government of India be requested to waive this condition, it being emphasised that the Faculty needs services of teachers and not consultants, (iii) the Government of India be approached with a request that more girls with the training in Home Science be sent abroad on scholarships for higher training in Home Science, (iv) vacant posts of two Professors or Readers, one Reader and three Junior Lecturers be filled from the next academic year, (v) an amount of Rs. 84,000 be sanctioned for Library books, a new Home Management House and other equipment including expansion of Chetan Balwadi, and (vi) a provision for an Animal House for the use of Bio-chemistry Department be made.

(i) *For the Faculty of Social Work:* The Board met on the 13th February, 1957 and recommended that (i) vacant posts of two Readers in Social Work and one Reader or Senior Lecturer in Social Work be filled, (ii) in order that gradually students' supervision in field work be taken up by trained personnel in agencies, a detailed scheme be drawn by the Dean whereby the trained personnel in the agencies be required to undergo a brief inservice training course in supervision at the Faculty and later be responsible for the supervision of the students placed in that agency and that University be requested to provide for a suitable honorarium to them and (iii) the teachers be encouraged to do research work.

(j) *For the Oriental Institute:* The Board met on the 7th January, 1957 and recommended that (i) the grade of the Superintendent, Gaekwad Oriental Series be revised from Rs. 200-15-350 to Rs. 300-15-450, (ii) the grade of Superintendent, Printed Section be revised from Rs. 150-10-200 to Rs. 200-15-350, (iii) Rule Nos. 80 and 81 regarding payment of honorarium to the editors of the Gaekwad Oriental Series be revised and that the rates of honorarium be Rs. 5 per printed page for the original editions and Rs. 3 per page for the second or subsequent editions if the work is not a simple reprint and Re. 1 for simple reprint, (iv) a Central Fund for the purchase of MSS be created in the University and (v) all the MSS be kept in the Oriental Institute after the Institute moves to the new University Library building.

(k) *For the College of Indian Music, Dance and Dramatics:* The Board met on the 7th January, 1957 and recommended that (i) the instituted posts of Professor of Music, Reader in Music, Reader in Dancing, Reader in Dramatics, Senior Lecturer in Tabla and Junior Lecturer in Dancing be filled from the next academic year, (ii) equipment worth about Rs. 16,000 be purchased, (iii) the scheme regarding Experimental Theatre Workshop be sanctioned and an amount of Rs. 4,100 be sanctioned for the same, (iv) measures be taken to have more co-ordination between the Faculty of Fine Arts and the College of Indian Music, Dance and Dramatics, (v) fees in the Diploma classes be collected termwise and also an admission fee of Rs. 5 be introduced and (vi) reading of papers by specialists be arranged in different subjects.

(l) *For the Intermediate College:* The Board met on the 8th January, 1957 and recommended that (i) in view of the introduction of three years degree courses in the Faculties of Arts, Science and Commerce



from the academic year 1957-58, the Preparatory classes of these Faculties be brought together under one administrative Unit, (ii) some teachers and tutors working in the Preparatory classes be brought under the administrative control of the Principal and (iii) the number of students in each division in all the subjects of instruction in the Preparatory classes be generally 60.

#### 8. Board of Extra Mural Studies

The Board met once during the year on the 9th August. Extra Mural activities carried on during the previous year were reviewed and a programme of extension lectures by university teachers and outside experts, educational tours of students and exhibitions to be organised during the year was drawn up.

#### 9. Wardens' Committee

The Committee met twice during the year on the 4th July, 1956 and the 2nd April, 1957. The Committee recommended that (i) members of the staff be given temporary accommodation in the students' rooms of the Halls of Residence and be charged rent of Rs. 25 per month, (ii) no student be allowed to stay in the Halls during the vacation, (iii) members of the staff who are also bonafide students of the University be given accommodation as students, and (iv) Sayaji Maratha Vasti Grah, Kadva Patidar Boarding and Brahmabhatt Boarding and similar other Boardings be accepted as authorised places of residence for University students.

The Committee also recommended allocation of seats in the halls of residence to different Faculties and Institutions for the academic year 1957-58.

The Committee also considered the question of collection of Hostel Fees and recommended that the Hostel Fees be collected by the Office of the Chief Warden through the Extension Unit of the Bank of Baroda Ltd., Sayajigang Branch.

The Committee also recommended that a University Dispensary with a full-time staff and a few beds be set up in the old University Library building.

#### 10. Supervisory Council for the Halls of Residence

The Council met once during the year on the 18th August, 1956. It considered the medical reports of the students in the Halls of Residence and expressed satisfaction at the low incidence of illness in the Halls.

The Council also viewed the general conditions of Boarding and Lodging in the Halls and expressed satisfaction as to the arrangements.

#### 11. 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 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 19th April, 1957. It submitted to the Syndicate revised budget estimates for the year 1956-57 and the estimates for the year 1957-58 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.

#### 12. Investment Committee

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

#### 13. Selection Committees

During the year, 41 meetings of the Selection Committees for junior posts were held. They recommended 124 candidates for appointments to various posts. 9 meetings of the Selection Committees appointed under section 48 (2) of the Act were also held during the year. They recommended 11 candidates for appointment to the posts of Readers and/or Professors.

#### 14. Shri Sayaji Sahityamala Publications Committee

The Committee met once during the year on the 3rd July, 1956. It recommended the following for publications:

(1) Under Shri Sayaji Sahityamala:

रेवाने तीरे तीरे

by Dr. M. R. Majmudar

कैलासदर्शन

by Swami Pranavatirthji

(2) Under Shri Sayaji Gramvikas Mala:

प्रयोग कृषिकेन्द्रो

by Shri M. S. Pandya.



The Committee also recommended a programme of future publications under Shri Sayaji Sahityamala. Shri Sayaji Balajnanmala and Shri Sayaji Gramvikasmala.

#### 15. Press Supervisory Committee

The Committee held eight meetings during the year. It considered the monthly reports of the **Manager and recommended** purchase of the papers and stationery etc. It recommended ex-gratia payment to the Press-workers for the year 1955-56. The plans and cubage estimates for the new building were also considered and recommended for approval.

#### 16. Deans' Committee

Three meetings of the Deans of Faculties and the Heads of Institutions were held during the year on the 20th July, 1956, the 12th September, 1956 and the 21st February, 1957. At these meetings various administrative problems were considered and necessary recommendations were made to the Syndicate to amend relevant ordinances and rules. A panel of eminent scholars to be invited as visiting professors during the year was drawn up and constitution of a University Youth Welfare Committee was recommended. A sub-committee was set up to draft a constitution for Faculty Students' Associations.

## 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 fifth 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 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 Faculties and institutions under the University. 55 students registered for Ph.D. and 7 students registered for Master's degree during the previous years continued their research. Details about fresh students registered during the year for these degrees are given in the statement below:—

S. No.	Name	Date of registration	Name of the guiding teacher	Subject	Title of the thesis
I	2	3	4	5	6
<b>Ph.D.</b>					
✓ 1	Joshi, Munish Chandra	14-8-1956	Dr. B. Subbarao	Archaeology	Life as depicted in the art of Ajanta (A Study in the material life from painting, sculpture and inscriptions)
2	Nandedkar, Durganath Janardan	14-7-1956	Professor V. Y. Kolhatkar	Economics	Socio-economic conditions of workers in the Bombay Film Industry
3	Gandhi, Rasiklal Kasturchand	25-7-1956	Dr. V. Sunder Rajan	Economics	Structure of Banking and Economic development with special reference to India
4	Shah, Indukumar Manilal	8-8-1957	Professor V. Y. Kolhatkar	Economics	Cotton textile and Sugar industries—A study in gains of Labour and Capital
<b>II</b>					



1	2	3	4	5	6
5	Umerwadia, Ramanbhai Lalbhai	9-7-1956	Shri C. M. Shukla	English	A study of the acts and expressions of Courtesy in the plays of Shakespeare
6	Maniar, Umedbhai Motichand	14-7-1956	Shri C. M. Shukla	English	The influence of English on Gujarati Poetry
7	Rao, Narasimha Madhava	5-11-1956	Shri V. Y. Katak	English	Symbolism in modern English Poetry
8	Ganam, Nasirmiya Mohamedmiya	18-1-1957	Dr. S. C. Misra	History	History of Gujarat under Jahangir and Shahjahan
9	Mehta, Makrand Janaklal	16-4-1957	Professor G. B. Pandya	History	Social aspect of British rule in Gujarat
10	Gupta, Ramchandra Omkarprasad	18-2-1957	Dr. A. H. Somjee	Political Science	Conceptions of Individual and Authority in the Political ideas of H. J. Laski
11	Bhalerao, Chandrasen Nathan	12-6-1957	Dr. A. H. Somjee	Political Science	The Bombay Public Service Commission
12	Desai, Harshadrai Gulabbhai	23-8-1956	Dr. U. P. Shah	Sanskrit	Critical Study of the Jayakhya Samhita
13	Dave, Suresh-chandra Kanaiyalal	5-11-1956	Dr. U. P. Shah	Sanskrit	A Critical and Cultural study of the Vamana Purana
14	Parikh, Ratilal Dahyabhai	18-9-1956	Professor M. N. Srinivas	Sociology	Social background impact of the Gujarati Press (with special reference to recent times)
15	(Shrimati) Sathe, Vanmala Janardan	10-7-1956	Dr. C. V. Ramkrishnan	Bio-chemistry	Enzyme synthesis in molds
16	Joshi, Arvind Purshottam	28-11-1956	Dr. C. V. Ramkrishnan	Bio-chemistry	C4 Metabolism in A Niger
17	Oza, Gunvant-rai Maneklal	3-5-1957	Dr. V. G. Phatak	Botany	Flora of area round Baroda and Pava-gadh Hill

1	2	3	4	5	6
18	Lohar, Jayanarayan Mangaliprasad	5-7-1956	Dr. J. S. Dave	Chemistry	Mixed liquid Crystals —Effect of structure on Transition Temperature
19	Talati, Ambalal Muljibhai	13-7-1956	Dr. J. S. Dave	Chemistry	Studies on Chelates and Chelatin
20	Shah, Nathalal Himatlal	9-11-1956	Professor S. M. Sethna	Chemistry Organic	Studies in hydroxy-anthracene derivatives
21	Scaria, Kuttemperoor	3-7-1956	Dr. J. C. George	Zoology	Studies on the structure and physiology of Vertebrates
22	Pishawikar, Sharad Dattatraya	5-1-1957	Dr. J. C. George	Zoology	Morphologico-Physiological aspects of animal life
23	Quraishi, Mansooruddin	18-7-1956	Professor S. N. Mukerjee	Education	Education in India under the Muslims
24	Sarpotdar, Purushottam Gajanan	6-8-1956	Professor S. N. Mukerjee	Education	Curricula in Rural Secondary schools in Gujarat
25	Shah, Mulchand Mohanlal	11-12-1956	Shri T. P. Lele	Experimental Education	An aptitude test for teachers
26	(Kumari) Premalatha, Gundurao Mysore	20-3-1957	Shri T. P. Lele	Educational Psychology	Construction and Standardisation of Non-verbal group test of Intelligence with special reference to the Mysore State (the children of age group 7-13)
27	(Kumari) Jayamma, Srinivasan Malur	20-3-1957	Dr. A. S. Patel	Educational Psychology	A study of factors related to teaching efficiency

## M.Ed. (By research)

28	Shah, Ramesh-chandra Och-havlal	17-7-1956	Professor S. N. Mukerji	Education	A Critical Inquiry into the implementation of the G. P. scheme
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1	2	3	4	5	6
29	Gohil, Haribhai Bhanji	22-8-1956	Shri N. N. Shukla	Education	Construction and standardisation of achievement tests in General Science in Gujarat
30	Sutaria, Kantilal Gordhandas	7-8-1956	Professor S.N. Mukerji	Education	A basic vocabulary test in Hindi for Gujarati pupils (Std. V to XI)
31	Parikh, Jayendra Chandulal	21-1-1957	Shri T. P. Lele	Education	The standardisation of a Mechanical Aptitude Test
32	Shah, Harish-chandra Harilal	14-3-1957	Shrimati P. Pathak	Education	Critical Study of Educationally Backward Children in a Secondary School

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 :

Dr. B. Subbarao

- ( i ) Exploration of the Tapi Valley in Surat and West Khandesh and in Baroda District

2. Economics :

Shri H. C. Malkani

- ( i ) Agricultural labour in Baroda District  
( ii ) Economics of cottage industries with special reference to Gujarat  
( iii ) Socio-economic Survey of Baroda City

✓ 3. Gujarati :

Professor B. J. Sandes ra

- ( i ) Publishing a series of Critical Editions of Old Gujarati Texts  
( ii ) The publication of the literary material of the late Professor B. K. Thakore

Name of the Department and the Teacher

Subject

4. Hindi :

- ( a ) Shri U. S. Bhatnagar  
( b ) Shri B. L. Sinha

वृन्दा और उनका साहित्य  
पद्माकर और उनकी कविता

5. History :

- ( a ) Professor G. B. Pandya

Scheme for editing the records of correspondence between Baroda Government and Baroda Residency

- ( b ) Dr. S. C. Misra

A Scheme for the preparation of History of Gujarat under the Muslims

6. Marathi :

Dr. V. P. Dandekar

Marathi Social Drama during the last fifteen years

7. Philosophy :

Dr. A. G. Javadekar

- ( i ) Axiology of knowledge  
( ii ) The Advaita theory of Ineffabilism  
( iii ) A comparison between the Advaita and the Buddhist concept of Catuskoti

8. Political Science :

Dr. A. H. Somjee

Influence exerted by the forces of Kin caste and local leadership on the electorate of the village of Boriavi

9. Sanskrit :

✓ Dr. S. S. Bhawe

Translating and Interpreting Rig-veda Mandala IX

10. Sociology :

- ( a ) Professor M. N. Srinivas  
( b ) Dr. I. P. Desai

A study of Urbanisation and Industrialisation in South Gujarat Mahuva Project



Name of the Department and the Teacher

Subject

Faculty of Science

1. Bio-chemistry :

- Dr. C. V. Ramakrishnan ( i ) Tissue Culture ( Partly financed by the Indian Council of Medical Research )  
 ( ii ) Organic Acid Metabolism in Fruit Tissues  
 ( iii ) C<sub>4</sub> Acid Metabolism in A Niger  
 ( iv ) Studies on Human Lactation  
 ( v ) Studies on Food Yeast

2. Botany :

- ( a ) Dr. V. G. Phatak ( i ) Flora of area round Baroda and Pavagadh Hill.  
 ( b ) Dr. A. R. Chavan ( ii ) Study of the Embryology of the families of Mimosae and Acanthaceae  
 ( iii ) Study of Cyperaceae  
 ( iv ) Study of Morphogenesis in Cucurbitaceae and Passifloraceae

3. Chemistry :

- ( a ) Professor S. M. Sethna ( i ) Study of the reactivity of Coumarin derivatives; the iodination of coumarins  
 ( ii ) Studies in X-nitroresorcinol  
 ( iii ) Synthesis of flavone carboxylic acids  
 ( iv ) Studies in the Hydroxyanthracene derivatives  
 ( v ) Studies on 5 pentadecylre-sorcinol  
 ( b ) Dr. J. S. Dave ( i ) Mixed Liquid Crystals  
 ( ii ) Chelate Compounds

4. Physics :

- ( a ) Professor D. V. Gogate ( i ) Heat transfer under forced convection with air streams at low velocities

Name of the Department and the Teacher

Subject

- ( b ) Dr. N. S. Pandya ( ii ) Optical studies of etched surfaces of Metal and Alloy Crystals  
 ( c ) Professor D. V. Gogate and Shri K. R. Chaudhari ( iii ) Viscosity Measurements of thick and thin liquids

5. Statistics :

- ( a ) Professor N. M. Bhatt ( i ) Statistical analysis of data collected by the Sheth U. P. A. R. Unit  
 ( b ) Shrimati Indira Bhanot ( ii ) Statistical summary of the records of the Annual Medical examination of students of the University  
 ( c ) Shri C. G. Khatri ( iii ) Quantiles and their uses  
 ( iv ) Statistical quality control  
 ( v ) Study in problems of Mathematical Statistics e.g. multivariate analysis, Tukey's Statistics, certain integrals and Jacobians, Long-normal curve, Logistic curves, Pateto curves

6. Zoology :

- Dr. J. C. George ( i ) Study of the Anatomy and Physiology of Reptiles  
 ( ii ) Structure and Physiology of the Flight Muscles of Flying Animals  
 ( iii ) The Physiology of Aestivation  
 ( iv ) Studies on Air-Breathing habit in Fishes

Faculty of Education and Psychology

1. Education :

- ( a ) Professor T. K. N. Menon ( i ) Psychological Factors of Adolescent Adjustment  
 ( ii ) Examination in Secondary Schools  
 ( iii ) Examinations in Universities.



<i>Name of the Department and the Teacher</i>	<i>Subject</i>
(b) Professor S. N. Mukerji	(i) Inspection of Secondary Schools in India
	(ii) Teaching of Hindi as the National Language of India
(c) Shri T. P. Lele	(i) Standardisation of the University Entrance Test
	(ii) Standardisation of a group test of Intelligence
	(iii) Determining norms for the minnesota paper Form Board
	(iv) Standardisation of Mechanical Aptitude Test
(d) Dr. T. V. Srinivasiah	(i) Construction of a Teacher's Quality Index
	(ii) Item analysis of the progressive Matrices 1956 Version (Ministry of Education Project)
	(iii) Factorial Analysis of progressive Matrices
(e) Shri G. P. Bhatt	Socio-economic Survey of Ranoli
(f) Dr. D. M. Desai	(i) Construction and Standardisation of Achievement Test in History (Std. VIII)
	(ii) Examination in Secondary Schools
(g) Dr. (Smt.) P. Phatak	Application of Phatak's Draw-a-Man scale to the drawings of children in Gujarat (Age groups : 6, 7, 8, 9 and 10 years)
(h) Shri M. A. Quraishi	Translation of Tazkirat-us-Sami (in progress)
(i) Dr. N. N. Shukla	Achievement Tests in Physical Education—A study of heights and weights and Standardisation Achievement Tests in Physical Education for Boys of Gujarat

<i>Name of the Department and the Teacher</i>	<i>Subject</i>
<i>Faculty of Medicine</i>	
1. <i>Physiology :</i>	
(a) Dr. J. R. Makhija Dr. M. L. Pai Dr. Y. B. Dixit	Urea concentration test and water concentration test in normal subjects
(b) Dr. V. G. Ganla Dr. O. D. Gulati Dr. B. N. Mazumdar	Diuretic and antidiuretic Ayurvedic Remedies
(c) Dr. M. L. Pai	Influence of cooking on the nutritional value of foods
(d) Dr. M. L. Pai Dr. T. V. Patel	Relationship between Vitamin B Complex & Toxemia of Pregnancy
(e) Dr. M. L. Pai	Gastric secretory function by tubeless method
(f) Dr. J. D. Pathak Dr. B. N. Mazumdar	Muscular efficiency as related to the frequency of meals
(g) Dr. J. D. Pathak	Influence of ions on pyloric
2. <i>Pharmacology :</i>	
Dr. G. K. Karandikar	Influence of antirheumatic substances on the hypophyso-adrenocortical axis.
3. <i>Preventive &amp; Social Medicine :</i>	
(a) Dr. A. K. Niyogi & Dr. S. R. Trivedi	A study of the pattern of epidemiology of burns and scalds.
(b) Dr. K. Niyogi Dr. P. B. Purohit Dr. S. R. Trivedi	The incidence of syphilis in anti-natal population and some related socio-economic epidemiological features.
<i>Faculty of Technology &amp; Engineering</i>	
1. <i>Textile Engineering and Mechanical Engineering Departments :</i>	
(a) Shri K. Krishnamurty, Shri S. C. Sheth and Shri R. C. Patel	A Picker Testing Machine is being designed and constructed to find out the qualities of commercial pickers used on looms



*Name of the Department and the Teacher*

(b) Shri K. H. Patel

*Subject*

Cotton cleaning machine is being designed which will clean the cotton easily at the ginning stage reducing thereby the quantity of waste. A pilot machine is being manufactured in the Faculty Workshop

*Faculty of Social Work*

*Social Work :*

Shri G. G. Dadlani

Survey of Social Work Education in India

*College of Indian Music, Dance and Dramatics*

*Music :*

Shri R. C. Mehta

Indian Music, its legend, history and heritage

CHAPTER VIII—FACULTY OF ARTS

1. **Brief History**

The Baroda College is the oldest institution transferred to the University. It was founded in the year 1881. It had two sides, *viz.* Arts and Science, and was affiliated to the University of Bombay for all subjects of University education and upto the highest degrees in the Faculties of Arts and Science. For nearly half a century, it was the only institution imparting University education in the former Baroda State. The institution was taken over by the University on the 30th April, 1949. Its Arts and Science sides were organised into the Faculty of Arts and the Faculty of Science, from June, 1950.

2. **Building**

The Faculty is housed in the east wing of the former Baroda College building, the Sociology Block and the Archæology Block. The Faculty library which was housed in the western wing on the first floor of the main building has been shifted to the new building of the University Library from June, 1957. The rooms thus vacated are occupied by the Faculty of Commerce except for one room which is occupied by the Department of Economics of the Faculty.

3. **Courses of Studies**

There was provision for the following courses during the year :

- |   |  |
|---|--|
| (1) <i>Upto Ph.D. :</i>                         | English, Gujarati, Marathi, Sanskrit, Sociology, History, Philosophy and Economics, Politics, (Archæology) and Ancient Indian Culture. |
| (2) <i>Upto M.A. only :</i>                     | Persian, Psychology, Statistics, Geography and Mathematics.  |
| (3) <i>B.A. (Subsidiary and General) only :</i> | Pali, French, Urdu, Education, Hindi and Law.  |
| (4) <i>M.A. (Subordinate) only :</i>            | Pali and Urdu.   |
| (5) <i>Upto B.A. (Principal) only :</i>         | Hindi.   |



The three year degree course was introduced in the Faculty from June, 1957.

#### 4. Number of students

The number of students enrolled in the various classes at the commencement of the year 1956-57 was as under :

Class	Men	Women	Total
Junior B.A.	108	30	138
Senior B.A.	135	45	180
Junior M.A.	58	12	70
Senior M.A.	42	10	52
Ph.D.	15	2	17
Total	358	99	457

#### 5. Staff

During the year, the staff of the Faculty consisted of 2 Professors, 11 Readers, 12 Senior Lecturers, 20 Junior Lecturers, 10 Tutors and 10 Class III and 15 Class IV servants and 4 Part-time Teachers. Teachers of the Faculty also carried out assignment 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.

#### 6. Library and Reading Room

Till June, 1957, the Faculty had a well-equipped library. The Library and Reading Room of the Faculties of Arts and Commerce were placed under a common management and run jointly. They were kept open from 11-00 a.m. to 5-30 p.m. on all working days except Saturdays on which it was kept open upto 3-00 p. m. In addition, the students and the staff made use of the departmental libraries operated by the various departments. (From July, 1957, the libraries of the Faculties of Arts, Science, Education and Psychology, Commerce and the Intermediate College have been merged with the University Library which started work on the ground floor of the new building in the midst of the campus of these faculties).

The following are the figures of the two Faculties together showing the average daily attendance in the Reading Room and figures of circulation of books in the Library :—

Sr. No.	Particulars	Number
(1)	Average number of students making use of the Library and the Reading Room daily.	80
(2)	Average number of teachers making use of the Library and the Reading Room daily.	45
(3)	Total number of books issued to students during the year 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.	6,500
(4)	Total number of books issued to teachers during the year.	9,300

The following figures show the cost and the expenditure on the maintenance of the Library and the Reading Room in the Faculty during the year 1956-57 :

Sr. No.	Particulars	No.	Cost in Rs.
(1)	Books (including back numbers of Journals) as on 1-7-1956	27,892	2,02,620.06
(2)	Books written off during the year	—	—
(3)	Books added during the year	1,190	15,995.44
(4)	Books as on 30-6-1957	29,082	2,18,615.50
(5)	Journals subscribed during the year	82	1,051.47
(6)	Amount spent on binding during the year	—	428
(7)	Total amount spent for the Library and the Reading Room during the year	—	17,474.91

#### 7. 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 :



S. No.	Item	Cost of equipment as on 1-7-1956 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1957 Rs.
1	Museum	2,533-1-0	—	676-13-0	3,209-14-0
2	Studio	4,919-0-0	—	7,347- 0-0	12,266- 0-0
3	Excavation equipment	407-0-0	—	700- 0-0	1,107- 0-0
4	Drawing equipment	1,448-0-0	—	—	1,448- 0-0
5	Deadstock	2,457-8-3	—	—	2,457- 8-3
	Total	11,764-9-3	—	8,723-13-0	20,488-6-3

### 8. Publications by the members of the staff

The following were the publications by the members of the staff of the Faculty during the year 1956-57 :—

#### (1) Articles or Papers

Name	Title	Where Published
1 Professor B. J. Sandesara	A Phagu Poem in the Simhasanabatrissi (1560 A. D.)—an Old Gujarati Story Book by Sidhisuri	Journal of the Oriental Institute Vol. V No. 4. June, 1956
2 Dr. I. S. Gulati	A Note on Agricultural Property incomes	Indian Economics Review, August, 1956.
3 Dr. S. S. Bhawe	The Soma-hymns of Reg-veda	Journal of the M. S. University of Baroda, March, 1957, Vol. V, No. 1
4 Dr. A. N. Jani	Extent of the Naisadhiya-carita	Journal of the Oriental Institute, Vol. V, No. 3
5 Shri S. G. Kantawala	1 The Cult of Manes as depicted in the Matsya Purana 2 The Cult of Manes as depicted in the Matsya Purana	Journal of the Oriental Institute, Vol. V, No. 4. June, 1956 Journal of the Oriental Institute, Vol. VI, No. 1. September, 1956
6 Dr. A. G. Javadekar	1 Inaffabilism 2 Axiology of knowledge	Journal of the M. S. University of Baroda, July, 1956 Proceedings of Indian Philosophical Congress, December, 1956

Name	Title	Where Published
7 Dr. S. C. Misra	Accession of Sultan Ahmedshah Muzfarshah of Gujarat and Malwa	Indian History Congress, Agra, 1956 'Vikram', Ujjain, 1957
8 Dr. I. P. Desai	1 The Family—an Analysis 2 The Sociologist, the Social worker and the problem of Slum Clearance	Sociological Bulletin, 1956-57 The Seminar on the Slum Clearance
9 Dr. R. N. Mehta	1 A Teracotta seal from Timberwa 2 Avakhil gram of the Karvan Mahatmya 3 A Historical evidence of textiles of the early 18th Century A. D. 4 Study of the Behaviour of the Visitor to a Pre-historic Exhibition 5 To Anthropomorphic Naga figures from Gujarat	Journal of the Oriental Institute, September, 1956 Journal of the Oriental Institute, June, 1957 Journal of Indian Textile History, January, 1957 Journal of Indian Museum, August, 1956 Journal of Indian Museum, December, 1956
10 Shri H. C. Malik	Bombay Palaeolithic Industries—a Revaluation	Journal of Indian Museum, December, 1956

#### (2) Books:

Name	Title	Month of Publication
1 Shri S. H. Joshi	Sahitya Mimansa (Translation of the Original Work of Vishnupad Bhatta-charya)	February, 1956
2 Dr. V. P. Dandekar	Marathi Natyasrishti Samajik Nataken (Revised and enlarged second edition)	June, 1957

### 9. Literary, Cultural and Other Activities

Many members of the staff contributed articles on academic and on popular themes and reviews on important books in outstanding journals, delivered public lectures, gave radio talks and were associated with aca-



demic, 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.

Four members of the staff of the Faculty, Shri D. M. Patel, Dr. (Kumari) S. A. Nachane, Shri B. G. Desai, and Shrimati H. K. Chavan, continued to work as Officers in the N. C. C. organization. Shri V. K. Chavda and Dr. Y. V. Surendranath were deputed for Pre-commission training at Kamti.

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

The Faculty students participated in all items of the Inter-University Youth Festival Competitions conducted by the University. Six students of the Faculty were selected for inclusion in the University Contingent sent for the Youth Festival at New-Delhi.

The Faculty won the first prize in the Inter-Faculty drama contest and was awarded the drama trophy for the year.

#### 10. Co-curricular Activities

(1) *Planning Forum*: The Faculty of Arts is co-operating with the Faculty of Commerce in running a Planning Forum. The Forum is organizing discussions on the first and the second Five Year Plans.

(2) *Tours*: Many associations of the Faculty took the students on short-distance excursions and the departments of History and Politics took parties of students to Mount Abu and other places of historical interest.

(3) *Socials*: The Faculty annual dinner was held on the 21st December, 1956. A large number of teachers and students participated in this community function. The Faculty social gathering was held on the 22nd December, 1956 when an interesting variety entertainment programme was given by the students. The Vice-Chancellor presided at the occasion.

(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 contests organised by the University.

The following symposia were arranged during the year:

- (a) Various aspects of Lokmanya Tilak's life and Work.
- (b) Our parties and the forth-coming General Election.

At these symposia, members of the staff and some eminent guests participated.

The Faculty won a prize in the Pro-Vice-Chancellor's Trophy debate.

(5) *Exhibition*: 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.

(7) *Condolence meetings*: The staff and the students of the Faculty held a meeting and expressed their sense of deep sorrow on the sad death of Shri C. S. Patel, Senior Lecturer in Gujarati, who passed away on the 9th January, 1957. Condolence meetings were also held to pay tribute to late Dr. B. R. Ambedkar and Dr. R. D. Ranade.

(8) *Sports*: The Faculty Students' Representative Council arranged tournaments in Badminton, Carrom and Tennis and also conducted a literary competition. The University Cricket XI was captained by Shri Parmar of the Sr. B.A. Class who has already made a mark in the University Cricket.

(9) *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) Economics Association
- (j) Philosophy Association



- (k) Hindi Sahitya Samitee
- (l) Urdu Society
- (m) The Music Circle.

Each of these Societies 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 Shaw's 'You Never Can Tell.' The Music Circle of the Faculty organised variety entertainment programmes. Members of the Marathi Literary Society staged a drama *Brahmachari Bhopala* by Shri P. K. Atre.

### 11. Tutorial and Class Work

Four tutorials (tests) 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 as in the Preparatory and the former Intermediate class. In the latter case, the teacher concerned examines 10% of the scripts. The tutorial work is discussed by the teachers with individual students in smaller classes and with groups of students in large 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. A close contact is kept between the teachers and the students. The tutorial scheme is showing good results and contributes very largely to a better understanding of the subject and capacity for expression in the students. As the marks assigned to these tutorials are taken into account at the final examination, necessary care is exercised in evaluating the written work of the students.

### 12. Other Important Events

Many distinguished visitors came to the Faculty during the year, gave lectures and held discussions with teachers and students. Prominent amongst them were :—

- Shri Y. B. Chavan, Chief Minister, Bombay State
- Dr. John Matthai, Vice-Chancellor, Bombay University
- Professor Gordon Chile, Head of the Department of Archaeology, London University.
- Dr. P. M. Joshi, Director of Archives, Bombay
- Professor Lambert, University of Philadelphia

Professor M. L. Dantwala, Professor of Agricultural Economics, Bombay

Dr. R. D. Desai, Principal, S. L. D. Arts and Science College, Ahmedabad

Professor D. R. Mankad, Principal, Darbar Gopaldas College, Alliabada.

Shri Charian Thomas, Organiser, Akhil Bharata Bhudan Padyatra

Professor Ramchandra Gora, Sarvodaya Worker

Professor Indra Sen, Pondichery Ashram.

The Sanskrit Commission appointed by the Government of India, visited the Department of Sanskrit, on the 21st April, 1957.



## CHAPTER IX—FACULTY OF SCIENCE

### 1. Brief History

The Faculty of Science, though it assumed its present name in 1950, is an institution of long standing. Previously it formed the Science side of the old Baroda College, which was established in the year 1881. It continued to be housed in the main building of the Baroda College till the year 1937 when a new building called 'Sayaji Golden Jubilee Science Institute' was constructed for it.

### 2. Buildings

The Faculty of Science is accommodated in its main building known as the Sayaji Jubilee Science Institute Building and the Square Block Building near it. There is a separate small room for the Meteorological Observatory. For 1100 students in the three Preparatory Science Classes, the two Intermediate Science classes and the B.Sc. and the M.Sc. classes in seven to eight subjects, there are ten lecture rooms and laboratories for undergraduate, post-graduate and research students in the subjects of Bio-chemistry, Botany, Chemistry, Geography, Mathematics, Physics, Statistics and Zoology.

### 3. Courses of studies

There was provision for the following courses during the year:—

- (i) Upto Ph.D. Bio-chemistry, Botany, Chemistry, Physics, Statistics, Zoology
- (ii) Upto M.Sc. only Geography, Mathematics
- (iii) Upto B.Sc. only Geology

The post-graduate course in Geography, the three years degree course and the pre-medical course were started from June, 1957.

### 4. Number of students

The number of students on roll in the various classes at the beginning of the year 1956-57 was as under :

Class	Men	Women	Total
Preparatory Science	341	29	370
Intermediate Science	300	20	320
Junior B.Sc.	144	14	158
Senior B.Sc.	134	8	142

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Class	Men	Women	Total
Junior M.Sc.	41	3	44
Senior M.Sc.	33	3	36
Ph.D.	11	1	12
Total :	1,004	78	1,082

### 5. Staff

During the year, the teaching staff of the Faculty consisted of 3 Professors, 1 Honorary Professor, 8 Readers, 6 Senior Lecturers, 19 Junior Lecturers, 36 Demonstrators, 4 Tutors, 1 Micro-Analyst, 34 class III and 35 class IV servants. Principal N. M. Shah was appointed and worked during the year as Honorary Professor of Mathematics.

### 6. 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 snack and indoor games also, is about 400 students per day from the Faculties of Arts, Science and Commerce and Intermediate College.

(2) The Faculty maintained libraries in the various departments and these have been well used by the students and teachers. The post-graduate students are given the facilities of an open-shelf library and they have been observed to make very good use of the facility. The number of books issued to the students is about nine hundred and to teachers about seven hundred and fifty.

(3) The amount spent from the University Grants Commission Library Grants this year was Rs. 18,749.

(4) The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room in the Science Faculty during the year 1956-57.

S. No.	Particulars	Number	Cost in Rs.
1	Books (including back numbers of Journals) as on 1-7-1956	7,502	1,38,871
2	Books written off during the year	—	—
3	Books added during the year	557	22,748
4	Books as on 30-6-1957	8,059	1,61,619



S.No.	Particulars	Number	Cost in Rs.
5	Journals subscribed during the year	66	4,780
6	Amount spent on binding during the year	—	976
7	Total amount spent for Library and Reading Room during the year	—	28,504*

#### 7. Museums, Laboratories etc.

(1) Various specimens collected during tours were added to the Botanical and Zoological museums.

(2) From the University Grants Commission Grants, an amount of Rs. 47,434/- has been spent during the year to purchase apparatus and instruments for laboratories. The following table shows the cost of equipment in different departments of the Faculty during the year 1956-57 :—

Laboratory	Cost of equipment as on 1-7-1956 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1957 Rs.
Bio-chemistry	38,000	—	23,300	61,300
Botany	1,30,351	—	9,962	1,40,313
Chemistry	1,01,545	—	17,179	1,18,724
Geography	9,950	—	7,885	17,835
Physics	1,98,657	—	7,874	2,06,531
Statistics	48,057	—	14,601	62,658
Zoology	65,533	—	5,469	71,002
Total :	5,92,093	—	86,270	6,78,363

#### 8. 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 1956-57.

S.No.	Name	Title	Where published
1	Dr. C.V. Ramakrishnan & Shri P.J. Desai	Effect of Addition of Cobalt and Manganese to the medium in inducing bio-synthesis of Ascorbic acid in Mold	Naturwissen Schaften 15, 352, 1956

\* Rs. 18,749 from the University Grants Commission Library Grant and Rs. 9,755 from the Faculty Grant.

S.No.	Name	Title	Where published
2	Dr. C. V. Ramakrishnan & Smt. Vanamala Sathe	Effect of Vitamin K <sub>3</sub> in inducing its bio-synthesis in Molds	Science and Culture Vol. 22, December, 1956
3	Shri T. N. Sekhara Varma & Dr. C. V. Ramakrishnan	Paper chromatographic Techniques to detect organic acids in citrus plant tissues	Current Science, December, 1956
4	Shri T. N. Sekhara Varma & Dr. C. V. Ramakrishnan	Bio-synthesis of citric acid in citrus fruits	Nature, Vol. 178, December, 1956
5	Dr. C. V. Ramakrishnan	Amino-acid composition of crude and germinated guarseed flour protein	Experientia Vol. XIII-2 1957
6	Smt. Vanamala Sathe, Shri J. B. Dave and Dr. C. V. Ramakrishnan	Spectrophotometric method for estimation of Menadione	Analytical Chemistry, Vol. 29, January, 1957
7	Dr. C.V. Ramakrishnan	In Vitro Lipase synthesis in A. Niger	Naturwissen Schaften 14, S. 401, 1957
8	Dr. C.V. Ramakrishnan	Studies in Guar Oil	Journal of American Oil Chemists Society, January, 1957
9	Dr. V. G. Phatak & Shri B. B. Joshi	A brief account of the University campus	Journal of M. S. University of Baroda, Vol. V-2, October, 1956
10	Dr. V. G. Phatak & Smt. K. B. Ambegaokar	Embryological studies in Acanthaceae, Endosperm and Embryo development in Barleria Prionitis L	Journal of M. S. University of Baroda. Vol. V-2, October, 1956
11	Dr. A. R. Chavan & Shri Y. S. Deshmukh	Studies in Gesneriaceae. The Floral Organogeny	Journal of M. S. University of Baroda, Vol. V-2, October, 1956
12	Dr. Suresh Sethna, Shri S. S. Lele and Shri N. H. Shah	Studies in the Hydroxyanthracene Series, Part I, Some reactions of 1-Anthrol	Journal of Organic Chemistry, U. S. A., 1956, 21, 1293
13	Dr. Suresh Sethna & Shri N. J. Desai	Synthesis of some 4-Hydroxycoumarin derivatives	Journal of Organic Chemistry, U. S. A., 1957, 22, 388
14	Dr. D. V. Gogate, Shri H. N. Patil & Shri H. S. Desai	Study of heat losses by forced convection	Journal of M. S. University of Baroda. Vol. V-2, October, 1956
15	Professor N.M. Bhatt	A method of determining a quartile from grouped data	Journal of M. S. University of Baroda. Vol. V-2, October, 1956



S.No.	Name	Title	Where published
16	Shri K. V. Ramachandran & Shri C. G. Khatri	A Problem in Quality Control	S. Q. C. Journal Calcutta, 1957
17	Shri K. V. Ramachandran	On the Tukey Test for Equality of Means etc.	Annals of Mathematical Statistics, Vol. 27, No. 3, September, 1956
18	Dr. J. C. George and Dr. R. V. Shah	Comparative morphology of the lung in snakes with remarks on the evolution of the lung in reptiles	Journal of Animal morphology and Physiology. Vol. III-1, 1956
19	Dr. J. C. George	The post-cranial osteology of <i>Uromastix hardwickii</i> (Gray)	Journal of Animal Morphology and Physiology. Vol. III-1, 1956
20	Dr. J. C. George and Shri B. S. Patel	The seasonal variation in the fat content of the liver and gonads in a marine and a fresh water decapod	Journal of Animal Morphology and Physiology. Vol. III-1, 1956
21	Dr. J. C. George and Shri K. S. Scaria	On the occurrence of Lipase in the skeletal muscles of vertebrates and its possible significance in sustained muscular activity	Journal of Animal Morphology and Physiology. Vol. III-2, 1956.

#### 9. Literary, Cultural and Other Activities

##### (1) *Twenty-second Session of Indian Mathematical Society:*

The Twenty-second Session of Indian Mathematical Society was held in the University on the 24th, the 25th and the 26th of December, 1956. The Vice-Chancellor, Shrimati Hansa Mehta, inaugurated the Session. Principal N. M. Shah, the Honorary Professor of Mathematics, was the chairman of the Reception Committee. Shri S. D. Manerikar, as the Local Secretary and Professor N. M. Bhatt, as the Treasurer, looked after the local arrangements.

##### (2) *The Perkin Centenary:*

The Centenary of Perkin's discovery of Mauve, the first synthetic dye, was celebrated under the joint auspices of the Faculty of Science and the Faculty of Technology and Engineering, on the 17th September, 1956. The Vice-Chancellor Shrimati Hansa Mehta, presided. An exhibition, depicting the different discoveries of Perkin and the growth of dye-industry, was held. Dr. Suresh Sethna spoke on the 'Life and work of



Shrimati Hansa Mehta, the Vice-Chancellor addressing the 22nd Annual Conference of the Indian Mathematical Society.



William Perkin'. Prof. R. L. Desai and Dr. R. D. Desai also spoke on the occasion.

(3) *Astronomical Observatory:*

A number of demonstrations were arranged in the Astronomical Observatory when the visitors were shown the magnified images of planets and stars through our 8" Refractor Telescope.

(4) *Exhibition of Medicinal Plants:*

A stall exhibiting typical medicinal plants and interesting physiological experiments was set up by the Botany Department during the Flower and Fruit Show in Baroda in February, 1957.

(5) *Exhibition during University Week:*

During the University Week Celebrations, the various departments of the Faculty arranged an exhibition to popularize Science and showed a number of experiments and various scientific instruments with demonstrations of their working.

(6) *Some Activities of Teachers:*

(i) Professor Suresh Sethna delivered two Radio Talks on 'Progress of Science'.

(ii) Dr. A. R. Chavan delivered an illustrated lecture in Baroda Museum on 'Preservation of Wild Life' during the Wild Life Preservation Week.

(iii) Dr. J. C. George gave a talk on 'You and Heredity' at Smt. Sarojini Devi Hall and a Series of lectures on 'Human Evolution' to the Sociology students of the Faculty of Arts.

(iv) Professor N. M. Bhatt was the Chief Guest at the Annual Gathering of the Mathematical Society of V. P. Mahavidyalaya at Vallabh Vidyanagar (Anand) on the 27th February, 1957 when he gave a talk on 'Statistics and Mathematics'. He spoke on Science as a career to the high school students of Baroda at the Career Conference in Baroda on the 24th February, 1957. He also gave the inaugural address at the Annual Conference of Kaira District Secondary Teachers' Association held at Karamsad.

(v) Dr. V. G. Phatak worked as the Chairman of the Students' Common Room Committee and he was in charge of the University Boating



Club and the Gardens in the campus of the Faculties of Arts, Science and Commerce.

(vi) Dr. A. R. Chavan worked as the Adviser to the Students' Representative Council of the Faculty. During the Inter-University Cricket Tournaments held in December 1956 at Baroda, he worked as the Secretary of the Tournament.

(vii) Dr. A. R. Chavan and Shri N. T. Sheth were the teachers in charge of Cricket and Tennis respectively. Shri Atul Mehta and Shri G. V. Pethe worked as Coaches in Cricket and Tennis respectively.

(viii) Dr. J. C. George worked as the Editor of the Faculty Magazine which was published in April 1957. Dr. J. C. George worked also as the Editor of a Research Journal in Zoology: Journal of Animal Morphology and Physiology.

#### (7) Meteorological Observatory:

The Meteorological Observatory continued to do its useful work and it was classed by the Government of India as Excellent.

#### (8) Micro-Analytical Laboratory:

The Micro-Analytical Laboratory in the Department of Chemistry has now a Micro-Analyst appointed in the grade of Rs. 200-350/- and the laboratory is now able to take up outside work. During the year, about 100 samples were analysed.

### 10. Co-curricular Activities

#### (1) Societies:

The various Societies e.g. Bio-chemical, Botanical, Chemical, Geographical, Geological, Mathematical, Physical, Statistical and Zoological were active throughout the year and arranged a number of lectures, reading of papers, discussions etc. on a variety of topics. They also organized small tours in which students and teachers took part and they celebrated their annual functions with entertainments and social and cultural programmes. The teachers and the students of the Faculty delivered a good number of lectures before the Societies in the Faculty, some interesting topics being Viruses and Plant Diseases, Protein Synthesis, Radiation Health Hazards, Transfinite Numbers, International Geophysical year, Theory of Sets of Points, Colour Changes in Crustacea, Iodine Cycle in the Living Body etc. Some of the important lectures by distinguished visitors to these societies were:

<i>Speaker</i>	<i>Subject</i>
1. Professor Chilson, The T. C. M. Visiting Professor at Anand	Quality of Milk
2. Dr. B. Mukerjee, Director of Central Drug Research Laboratory, Lucknow	Pigmentation of the Skin
3. Dr. T. S. Mahabale, Professor of Botany, University of Poona	Life and work of some great Botanists.
4. Dr. H. B. Shreerangachar, General Manager, Suhrid-Geigy Ltd., Baroda.	Recent Advances in Bio-chemistry
5. Dr. V. M. Thakore, Lecturer in Chemistry, Gujarat College, Ahmedabad	Substitution in the Resorcinol Nucleus
6. Dr. R. D. Desai, Principal, L. D. College, Ahmedabad	Technological and Synthetical uses of Acetylene
7. Miss Anderzhon, Full-Bright Teacher, U. S. A.	Economic Geography
8. Dr. C. P. Gnanamuthu, Director of Zoological Laboratory, University of Madras, Madras.	The Biology of the Sandy Beach of Madras
9. Professor R. V. Sheshaiya, Professor of Zoology, Annamalai University	Modern Trends in Biology
10. Professor Smt. Kamala Sohoni, Head of Bio-chemistry Dept., Institute of Science, Bombay	Nutritive Value of Palm Gur.

#### (2) Professor David E. Green's Lecture:

Professor David E. Green, Director, Enzyme Institute, University of Wisconsin, U.S.A., visited on the 17th February, 1957 the departments of Biochemistry and Zoology and he delivered a lecture on 'The machinery of the cell' when the Pro-Vice-Chancellor Dr. C. S. Patel presided.



### (3) Educational Tours :

(i) A Botanical study tour to Ooty, Bangalore, Mysore and Castle Rock was made by the advanced students of Botany under the guidance of Dr. A. R. Chavan in October-November, 1956

(ii) The Chemistry students, under the guidance of Shri N. G. Savant went on an educational tour to Jamshedpur, Calcutta, Dhanbad, Bombay and other places and visited various factories and places of cultural and scientific interest.

(iii) The Physics students, under the guidance of Dr. N. S. Pandya, went on a study tour to Bombay.

(iv) The members of the staff and students of the Department of Zoology had a very successful study and collection tour to Bombay.

(v) Geography tours led by Shri C. M. Gupta were made to (i) Bombay, Matheran, Lonavala and Poona and (ii) Cutch & Saurashtra.

(vi) The students of the Geology Department went on tour to Rajasthan, Dehradun, Sankheda etc. to study Geology of those regions.

### (4) Films :

The following films were shown in the Geography Department : (i) Kumaon Hills ; (ii) Taming of the Sutlej ; (iii) Fight the Floods ; (iv) Industrial Mysore ; (v) I go East ; (vi) Men with wings ; (vii) Our Indian Earth ; (viii) Our Hidden Wealth ; (ix) Rajasthan ; (x) Bhakra-nangal Project ; (xi) Marine Marvels.

### (5) Students' activities in sports and contests :

(i) Shri N. M. G. Bhakthan secured the general championship in athletic sports.

(ii) Shri V. S. Munshi and Shri Jaykant Patel secured places in the University Cricket Eleven and played in Inter-University Cricket Tournaments held at Baroda.

(iii) Shri Ramesh Bhatt was runners-up at the University Tennis Tournament.

(iv) Shri C. D. Patel the Captain, Shri J. S. Patel and Shri Bhakthan distinguished themselves in various Volley-Ball Tournaments and secured championship for the Science Faculty and the University teams in the Inter-Faculty and other Tournaments.

(v) Shri A. G. Tambe captained the University Kho-Kho team in which six other students of the Faculty found places. This team of the veterans was unluckily beaten in the finals by the Poona University Team in the Inter-University Competition. The Science Faculty team won the championship in Inter-Faculty Tournament.

(vi) In the Inter-Faculty Badminton Tournaments, the Science Faculty team was the Runners-up.

(vii) Kumari Meenaxi Captain won the first prize in the Boat Race for Girls.

(viii) Shri M. S. Didmishe won the triple crown in the University Carrom Tournaments.

(ix) The students of the Faculty took part in the competitions of drama, garba, group-dance, group-singing and debates. They secured a third prize in the drama contest.

(x) A good number of the students of the Faculty were selected for the National Youth Festival at which Kumari Rajni Nene secured second prize in instrumental music and Kumari Rekha Gandhi and Kumari Hema Gandhi were in the group dance which was highly appreciated.

(xi) Three students of the Faculty were elected to the University Union, Shri Bipin Patel as General Secretary, Shri Ramesh Shah as Debating Secretary and Shri Jaykant Patel as Indoor Games Secretary. They discharged their duties very satisfactorily.

### (6) Social Service :

In the Village Apprenticeship Scheme, eight students of the Faculty were selected and completed Training and Service as Apprentices.

### (7) N. C. C. :

The boys and girls of the Faculty continued to take keen interest in N. C. C. and joined in large numbers, Kumari Manik Bapat secured the first prize in shooting at the N. C. C. Meet. Shri Lilu Tahiliani of the Faculty was selected for the National Defence Academy at Khadak Wasla for training as a Commissioned Officer. The past students of the Faculty—Shri N. B. Dixit, Shri Keyur Mehta, Shri A. K. Pathak and Shri Kanti Taylor are now already Commissioned Officers while Shri O. A. Pereira of the Faculty is undergoing training at Dehradun for the purpose. The



Faculty teachers Shri N. P. Salvi, Shri N. T. Sheth and Shri N. M. Patel continued to serve as Officers in N. C. C.

(8) *Faculty-Day Celebrations :*

The Faculty Day was celebrated on the 11th February, 1957 when the Vice-Chancellor, Shrimati Hansa Mehta, presided and distributed the prizes. An entertainment programme of group singing, dance, garba, group-dance etc. was arranged for the occasion.

11. **Tutorial and Class Work**

The system of reserving 20% of marks in theory and 25% marks in practicals from the aggregate marks for the final University tests and assigning them on the basis of tutorial and other examinations spread over the year was successfully continued. Regular tutorial examinations were held and records of marks were properly maintained and regularly submitted to the University. The attendance at the tutorials was quite good and the whole system is working extremely satisfactory, producing good results in the form of regular reading, seriousness in study etc.

12. **Other Important Events**

(1) *University Grants Commission Visits and Grants :*

A Committee of Dr. Patankar, Dr. Mahabale and Dr. Arora visited the Faculty to study our development proposals. Shri C. D. Deshmukh, Chairman of the University Grants Commission also visited the Faculty during the year when he discussed some of the needs and difficulties in purchase of equipment etc. with the teachers. During the year, the University Grants Commission approved the following expenditure towards the development of the Faculty in the Second Five Year Plan period. The expenditure is to be shared by the University Grants Commission and the Government of Bombay in proportion of 2 to 1.

<i>Purpose</i>	<i>Amount of Grant</i>
	Rs.
1 Building for Science Faculty	4,40,000
2 Building for Workshop	25,000
3 Vivarium for Zoology	10,000
4 Scientific Equipment	5,80,000
5 Library, Books and Journals	1,50,000
6 Additional Staff of 3 Professors and one Reader	1,50,000
<b>Total :</b>	<b>13,65,000</b>

(2) *Scholarships :*

(i) Five more research training scholarships, each of Rs. 200/- per month, were allotted to the Faculty under the Research Training Scholarship Scheme by the Ministry of Education, Government of India, bringing the total number of such scholarships in the Faculty to nine.

(ii) The Government of Bombay granted several backward Class Scholarships, Open Merit Scholarships and Open Merit Free-studentships to the students of the Faculty.

(iii) Shri K. V. Vasavada of Jr. B.Sc. class secured the Open Merit Scholarship of the Government of India, of Rs. 75 per month.

(3) *Ph.D. Thesis :*

(i) Shri R. V. Shah was awarded by the University the Ph.D. degree in Zoology on his thesis—'Certain Aspects of the Anatomy and Physiology of Reptiles with special reference to the Chelonia,' (ii) The thesis of Kumari Dolly Jyoti of Zoology Department on 'A study on the Structure and Metabolism of the Bird and Bat Flight Muscle', was also accepted for Ph.D. degree in Zoology. (iii) The thesis of Shri J. J. Shah on 'The Developmental and Anatomical Studies in Vitaceae' with special reference to Axillary Buds and Tendrils was accepted for the award of Ph.D. degree in Botany.



## CHAPTER X—(A) FACULTY OF EDUCATION AND PSYCHOLOGY

### 1. Brief History

This institution was started by former Baroda Government in 1935 as a Secondary Teacher's Training College in the western wing of the Baroda College building. For two years it provided a course leading to Diploma in Education. In 1938 it was affiliated to the University of Bombay for B.T. degree and provided with an independent building and an attached practising high school. The University took it over in 1949 and started M.Ed. course. Following year it was re-organised into a Faculty of Education and Psychology.

### 2. Building

There were no additions made to the building of the Faculty during the year and the need for additional accommodation was becoming more acute. The University Grants Commission, after enquiry, sanctioned a grant of Rs. 1.15 lakhs for the construction of a wing to the Faculty building to house the Department of Psychology, the condition being that the Government of Bombay should meet 33½% of this expenditure. The construction of this wing is expected to be completed by the end of June, 1958. The new construction will solve, for the present, the problem of accommodation of the Faculty.

### 3. Courses of Studies

The Faculty provided the following courses :

- (1) Post-graduate courses :
  - (a) Ph.D. degree in the subjects of Education and Psychology
  - (b) M.Ed. degree by papers and dissertation
  - (c) M.Ed. degree by thesis
  - (d) M.A. degree in Psychology, and
  - (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 the T.D. students.

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

#### *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, and
- (5) Psychology courses to the students who have taken Philosophy for the M.A. degree.

#### *Faculty of Fine Arts :*

- (1) General Psychology to the students of the B.A. (Fine Arts) and M.A. (Fine Arts) degree courses.
- (2) Education courses to the students who do the M.A. degree in Art Education, and
- (3) Psychology courses to the students who do the M.A. degree in Art Education.

#### *Faculty of Home Science :*

- (1) General Psychology to the students of the second year of the B.Sc. (Home) Class,
- (2) Education courses in the third year of the B.Sc. (Home) Class to the students who have taken Home Science Education as their major subject.

#### *Intermediate College :*

General Psychology to the students of the Intermediate Arts Class.

### 4. Number of students

The number of students enrolled in the various classes at the commencement of the year 1956-57 was as follows :—

Class	Men	Women	Total
Ph.D. (Thesis)	5	2	7
M.Ed. (Thesis)	3	—	3
M.Ed. (By papers) Jr.	15	4	19
M.Ed. (By papers) Sr.	12	—	12
<b>RI5</b>			



Class	Men	Women	Total
M.Ed. ( By papers )--One year —		2	2
M.A. ( Psychology ) Jr.	2	2	4
M.A. ( Psychology ) Sr.	1	1	2
B.Ed.	89	15	104
B.A. ( Special ) Jr.	5	12	17
B.A. ( Special ) Sr.	2	16	18
T.D.	28	6	34
	—	—	—
Total :	162	60	222

### 5. Staff

During the year, the staff of the Faculty consisted of 2 Professors, 2 Readers, 6 Senior Lecturers, 7 Junior Lecturers, 1 Tutor and 6 Class III and 7 Class IV servants. In addition to the above, there was a Reader working as Co-ordinator and a Senior Lecturer as Assistant Co-ordinator in the Extension Services, financed by the All India Council for Secondary Education. There were also seven Research Assistants working on three Research Projects.

### 6. Library and Reading Room

The Faculty library contains over 12,000 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 followed the open-shelf system and therefore students had the facility and freedom to choose and read any book during working hours. A certain amount of library reading was obligatory for all students. Students were helped to do this by the prescription of topics and references; sometimes, hours for library study were also provided in the timetables. The library and the reading room were kept open from 10-30 a.m. to 6-30 p.m. on all working days and from 8-00 a.m. to 1-00 p.m. on Sundays. Towards the end of the year, the Faculty Library was merged with the University Library which is located next door. In this process, care was taken to retain in the Faculty small collection of important books in each subject for departmental libraries. The Reading Room was also retained and it provided facilities for general reading when students had free periods.

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	203
2.	Average number of teachers making use of the Library and Reading Room daily	21
3.	Total number of books issued to students during the year	2,617
4.	Total number of books issued to teachers during the year	362

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 1-7-1956	11,046	30,458-11-6
2.	Books written off during the year	..	..
3.	Books added during the year	432	1,699- 1-3
4.	Books as on 30-6-1957	11,478	32,157-12-9
5.	Journals subscribed during the year	60	708- 6-0
6.	Amount spent on binding during the year	..	34- 0-0
7.	Total amount spent for the Library and the Reading Room during the year	..	2,441- 7-3

### 7. Museum and Laboratories

#### Museum :

- (1) The Faculty Museum contains a large collection of teaching aids, which are used in the teaching of different subjects. To this, some addition is made every year. During the year 1956-57 there was an addition of more than 100 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 1-7-1956 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1957 Rs.
1.	Museum	6,461-0-0	Nil	685-4-0	7,146-4-0
2.	Teaching Aids, prepared by the students	2,400-0-0	Nil	200-0-0	2,600-0-0

(2) *Audio-Visual Aids*: The Faculty fitted an Audio-Visual Room with a movie projector, an epidiascope, a gramophone, and other audio-visual aids 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, material worth Rs. 1,593.80 was added to the equipment of the Audio-Visual Room. There were regular film shows as below :

- (i) One show every week under General Education Scheme of the University.
- (ii) One show every day during the Audio-Visual Expansion Week organised in December, 1956.
- (iii) Six film shows were arranged for the benefit for the Audio-Visual Education Group of the B.Ed. Class.

The Audio Visual Group prepared a series of film strips entitled, 'From Flower to Fruit'.

(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. During the year, new additions were made to the apparatus under the Wheat Loan Fund. 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 Research Assistants employed under Indian Council of Medical Research Scheme. The problem of space is being solved by a munificent grant by the University Grants Commission for a new wing of the building which is under construction.

The cost of the equipment of the laboratory is as follows :—

Item	Cost of equipment as on 1-7-1956 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment etc. added during the year Rs.	Cost of equipment as on 30-6-1957 Rs.
Laboratory	33,469-12-0	Nil	1,336-6-0	34,806-2-0

#### 8. Publications

The following were the publications of the members of the staff during the year 1956-57 :

##### (A) Articles or Papers :

S.No.	Name	Title	Where Published
1	Dr. M. S. Patel	Modern Trends in the teaching of English as Foreign Language.	Journal of Education and Psychology, October, 1956.
2	Shri D. G. Apte	Ancient Scholars on comprehension of meanings of New Words.	Journal of Education and Psychology, April, 1957.
3	Dr. (Smt.) P. Phatak	(a) Children's Drawings a nucleus for Child Study. (b) Child Art (मुलचे चित्रकाम)	Teaching O. U. P. December, 1956. Shikshan Patrika, February, 1957.
4	Dr. D. M. Desai	Reorienting Our Examinations	Journal of Education and Psychology, March, 1957.
5	Shri S. M. Divekar	(a) Basic Education—A revolutionary way of life (b) A Plea for Bridging the Gulf between the Basic and Non-Basic Graduate Teacher Education Programmes.	Some Review (St. Paul's Seminary Tiruchirapalli S. (India) July, 1956. Journal of Education & Psychology, October, 1956.

##### (B) Books & Brochures :

S.No.	Name	Title	Where Published
1.	Professor T.K.N. Menon	1. Teaching of English as a Foreign Language	Acharya Book Depot, Baroda, June, 1957



S.No.	Name	Title	Where Published
		2. Report of Researches done in Training Colleges (under 2B of the plan of Education Development)	University of Baroda Press for the Ministry of Education, Delhi, Aug., 1956
2.	Professor S. N. Mukerji	1. Rashtra Bhasa Kee Shiksha (in Hindi)	Acharya Book Depot, Baroda, April, 1957
		2. Education in India—Today & To-morrow (3rd Revised and Enlarged Edition)	Acharya Book Depot, Baroda, June, 1957
3.	Dr. M. S. Patel	Teaching of English as a Foreign Language (in Collaboration with Professor T.K.N. Menon)	Acharya Book Depot, Baroda, June, 1957
4.	Dr. (Smt.) P. Phatak	Directions for Using Draw-a man Test for Indian Children	Self—1956, Baroda
5.	Dr. D. M. Desai	1. Administration and Control of Primary Education in the State of Bombay	Acharya Book Depot, Baroda, 1956
		2. મનોવિજ્ઞાનની પગદંડી.	A. R. Shah & Co., Bombay, March, 1957
6.	Shri M. A. Qurashi	A study of Muslim Education in the middle Ages	Faculty of Education and Psychology, Baroda, July, 1956
7.	Shri S. M. Divekar	A Comparative Study of Pestalozzi & Gandhiji as Educational Thinkers	Faculty of Education and Psychology, Baroda, July, 1956

(C) Faculty of Education and Psychology, Baroda  
(Extension Department):

Sr.No.	Title	Month of Publication
1.	The Project Way in Schools	July, 1956
2.	On Cumulative Records	July, 1956
3.	A Report of Educational Workshop held at Bhopal	July, 1956
4.	તારા અને વિશ્વ	August, 1956

S.No.	Title	Month of Publication
5.	School Programmes and the Well-being of Society	October, 1956
6.	Modern Trends in the Teaching of English in India	November, 1956
7.	Cumulative Record Cards (simplified) with Manual	February, 1957

(D) Journals:

(i) 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 Journal during the year was the publication of the significant number of articles by scholars from Europe and America.

(ii) Journal of Vocational and Educational Guidance

The Journal owes its rebirth to the formation of the All India Educational and Vocational Guidance Association at Baroda in February, 1956. The Journal is published by this Faculty for the All India Educational and Vocational Guidance Association.

(iii) Monthly Newsletter

Monthly newsletter on important events in Secondary Education (for distribution in Secondary Schools) continued to be published by the Extension Department.

9. Literary, Cultural and Other Activities

(I) Extension Service:

The Department which is financed by the All India Council for Secondary Education continued its work of in-service training of teachers. During the year, Professor T. K. N. Menon worked as the Honorary Director and Shri D. G. Apte and Dr. D. M. Desai as the Co-ordinator and the Assistant Co-ordinator respectively. The programme of work of the Department was extended to and was appreciated by the schools in the Districts of Gujarat, to which it caters.

During the year, the Department conducted the following activities:

(a) Courses:

- (i) The Refresher course for T. D. and S. T. C. Teachers
- (ii) The Week-end Course in the Method of Teaching Hindi
- (iii) The Refresher Course in English.



(b) *Conference :*

The Working Conference of Headmasters at Godhra.

(c) *Workshops :*

(i) The Workshop on Guidance ; (ii) The Workshop on Social Studies ; (iii) The Rajpipla Workshop on Educational Evaluation and Construction of Objective Tests.

(d) *Audio-Visual Education Expansion Week :*

The Department published seven brochures on topics useful to Secondary Schools, the list of which has been given above in sub-section 8 (B). More than forty schools were invited for theoretical discussions and demonstration of teaching practice. Seven educational exhibitions were organised at Baroda and outside. One of these on the most elaborate scale was held in Shree Pratap High School, Baroda, under the joint auspices of the Extension Departments at Baroda, Bombay and Ahmedabad, on the occasion of the meeting of the All India Council for Secondary Education held here in December, 1956. Films received from the Five Year Plan Publicity Office, the Health Department of the Bombay State and from the Faculty on educational and informative topics were shown to pupils in and outside Baroda. Over and above this, a number of meetings were arranged either in the Faculty or in individual schools where specific problems of syllabus and organisation are discussed. The Department also possesses a library of about eighteen hundred most recent books on education. Teachers from Baroda and outside are using this library on an extensive scale.

(2) *Rural Education Project—Ranoli :*

The Government of India sanctioned a project of Rural Education under the Second Five Year Plan on Educational Development and sanctioned a recurring grant of Rs. 3,693 subject to 50% contributions being made jointly by the State Government and the University for a period of nine months from July, 1956.

The Programme of work which was conducted by Shri G. P. Bhatt was as follows :

- (a) A batch of ten teacher-students with a member of the staff went to Ranoli thrice a week. They engaged themselves in—
  - (i) teaching under supervision in the two primary and one secondary schools to improve teaching methods ;

- (ii) making a socio-educational survey of the village ;
- (iii) arranging a night-class for illiterate adults ;
- (iv) arranging occasional filmshows and entertainment programmes ;
- (v) arranging for gardening in the school and office compounds ;
- (vi) arranging excursions for children to the places of educational importance.

- (b) Medical Examination of school-children by the medical unit of the Project and the follow-up health service programme.
- (c) Holding meetings of the village people and discussing problems pertaining to education of their children.
- (d) Managing the Project-library and the Village-library.
- (e) Holding Conferences and Seminars for the Ranoli-School teachers and secondary teachers.
- (f) Trying to enlist the co-operation of the village community to convert the present incomplete secondary school into a multi-purpose high school with an agricultural bias.

(3) *All-India Workshop on Examination :*

The All-India Council for Secondary Education organised in the Faculty a Workshop on Education and Evaluation and Testing Procedures for lectures of Training Colleges in India from the 15th March to the 25th March, 1957 with Professor T. K. N. Menon as its Director. The Workshop which was inaugurated by Shrimati Hansa Mehta, the Vice-Chancellor, was conducted by Dr. Benjamin Bloom, Head of the Examination Research Department of the University of Chicago and an outstanding expert on reformed methods of examination. It was attended by seventy lecturers of training Colleges drawn from all over India and other experts of the T. C. M. The Workshop worked out a functional programme of examination reform which could be implemented by teachers. Shri K. G. Saiyidain, Secretary to the Government of India, Ministry of Education, who addressed the Workshop said in his address that the Ministry of Education attached the greatest importance to the conclusions of this workshop. Dr. Bloom's visit to Baroda was also utilised to discuss with him for the examination reform programme of the University.



(4) *Seminar-cum-Training Courses for Teachers of Multi-purpose Schools :*

Seminar-cum-Training Courses for technical and agricultural teachers of Bombay State were conducted for a period of 5 weeks in June-July, 1957, by the Faculty on behalf of the All India Council for Secondary Education. Baroda and Anand were chosen by the Council as two centres of the training courses as they have highly developed and well-equipped institutions teaching technical and agricultural subjects and have also the appropriate secondary schools where the trainees can do their practice teaching. The Faculty provided the teaching personnel for pedagogical part of the course at both the centres. Professor T. K. N. Menon and Dr. M. D. Patel of the Anand Agricultural Institute were the Directors at Baroda and Anand respectively. The Seminar-cum-Training course is the first attempt in the country to provide professional training to teachers of practical subjects in the multi-purpose schools that have been started in the country under the First and the Second Five Year Plans. Based on the results of this successful pilot project, an Expert Committee of the All India Council for Secondary Education met and drew up short and long term programmes of training of teachers of multi-purpose schools who teach practical subjects like Engineering, Agriculture, Home Science, Fine Arts and Commerce.

(5) The following lecturers were invited and they delivered lectures to the staff and students of the Faculty as shown below :—

S.No.	Date	Name	Subject
1.	4-7-1956	Mr. L. Giovandaudi, French Consul at Bombay	Education in France
2.	4-8-1956	Shri P. N. Dak, Regional Officer, Second Five Year Plan	Second Five Year Plan
3.	8-1-1957	Miss Ella Steptreus Barrett, State Supervisor Guidance Services. Raleigh N.C.U.S.	Guidance & Counseling
4.	17-2-1957	Dr. John S. Brubacher, Professor of Educational Philosophy, University of Yale, U.S.A.	International Philosophy of Education
5.	2-3-1957	Dr. D. H. Spencer, British Council Expert.	The Structure Approach in the Teaching of English.

# 10. Co-curricular Activities

## (1) Faculty Club :

- The Faculty Club organised periodical lectures and discussions on educational topics by educationists and elocution competitions ;
- Tournaments and competitions in games like Volley Ball, Ping-Pong, Badminton and Athletics ;
- Celebrations of Gandhi Jayanti, Tagore Jayanti and other days of National importance ;
- Excursions of students to Delhi, Agra and other places ;
- Variety entertainment programme and Social evenings.

The students of the Faculty also participated in the Inter-Faculty debates and took part in Drama, Garba, Group Songs and other competitions arranged by the University Union during the University Week and won the trophies for Garba, Group Song, Group Dance and Drama and University Song competition and Sanskrit recitation.

## (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 excursions.

## (3) The Old Students' Association :

The activities of the Old Students' Association of the Faculty during the year consisted of the lending books 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 local old students. The association also arranged for the communication of the results of T.D., B.Ed., and M.Ed. examinations to the candidates.

## (4) The Science Teachers' Club :

This club, organised by the Faculty, and with a membership consisting of the science teachers of the high schools of the city and the science-student teachers of the Faculty, had the following activities



during the years :

- (a) Discussion of the weightage that should be given to the different branches of science in the General Science course of the S. S. C. Examination and making representations on the subject to the Board. The Board accepted the Science Teachers' Club advice;
- (b) Construction of model objective type of tests in General Science ;
- (c) Arranging of talks and discussions including one on the findings of the Science Seminar organised by the All-India Council for Secondary Education ; and
- (d) Arranging of excursions of Scientific interest.

#### 11. Tutorials and Class-Work

##### (1) Tutorials :

The successful working of the tutorial system since it was introduced in the Faculty a few years ago has proved its efficacy and convinced even its worst opponents that it has an important role to play in our educational system. It is gratifying to note that the tutorial system started by the Baroda University is gaining popularity with other Universities in the country and its usefulness as an instrument of mitigating the evils of our examination system has been recognised on all hands.

Besides establishing personal contact between the teacher and taught, the tutorial system in the Faculty has been successful in creating indissoluble bond of affection between them. The artificial barriers between the two have been cut across and it is no small achievement that the student sees his teacher whenever the latter is free and discusses all students' problems with him.

During the year, the system was improved upon, in the light of the previous experience. A new record card was introduced which provides for recording the details of students' achievements 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, due consideration is given to (i) Library reading, (ii) Participation in academic and general discussions during tutorial periods (iii) Performance in periodical essays,

(iv) Results of tests, (v) Results of the Terminal examination, and (vi) general behaviour and participation in social functions. To get over the subjective factor in evaluating by different tutors and to get an over-all estimate of the student rather than the arithmetic total of his scores in different subjects, the Faculty introduced during the year a comprehensive interview of the students to moderate his class-record and finalise it. This interview is held by a panel of teachers with all the records of the student before them.

##### (2) Practice Teaching and Field Work :

The programme of practice teaching commenced with demonstration lessons given by the members of the staff. These lessons were meant for acquainting the student-teachers with the different methods of teaching. Criticism lessons given by the student-teachers were spread out throughout the year. Practice-teaching by the candidates was first started in the local schools of Baroda. The off-campus programme of teaching of field work were arranged for a fortnight during the month of October in the schools at Avidha, Bardoli, Jhagadia, Kosamba, Pardi, Vapi, Vaso, Halol and Ranoli. Besides giving lessons, the candidates participated in the activities of the school, collected educational data, observed lessons given by the trained teachers of the school and offered cultural programmes to the school and to the community. The off-campus programme also included practice-teaching in primary classes, whereby the candidates were oriented in the problems of teaching in primary classes.

#### 12. Other Important Events

##### (1) Distinguished Visitors :

Among the distinguished visitors to the Faculty during the year, were the following :

1. Shri Y. B. Chavan, Chief Minister of Bombay State.
2. Shri C. D. Deshmukh, Chairman, University Grants Commission.
- \*3. Dr. S. P. Schrotar, T. C. M. Consultant on School Buildings.
- \*4. Shri K. G. Saiyidain, Secretary to the Government of India, Ministry of Education, New Delhi.
- \*5. Dr. Benjamin Bloom, Examination Expert. Chicago University.
- \*6. Dr. J. S. Brubacher, Professor of Educational Philosophy, Yale University.

\* The abovementioned persons also delivered lectures in the Faculty.



- \*7. Shrimati Laxmi Menon, Deputy Minister, Government of India, New Delhi.
- \*8. Dr. (Miss) E. S. Barret, Full-Bright Professor.
- 9. Professor Samuel Mathai, Secretary, University Grants Commission.
- 10. Dr. P. J. Philip, Head of the Section of the Humanities, University Grants Commission.
- 11. Miss Nuvart Parseighan, Cultural Affairs Officer, U.S.I.S.
- \*12. Dr. (Miss) M. L. Anderzhon, Full-Bright Teacher with A.I.C.S.E.
- 13. Professor D. H. Spencer, English Teaching Specialist, British Council.
- 14. Dr. R. Sutton, Expert in Educational Evaluation, All India Council, New Delhi.
- 15. Dr. C. B. Mendelhall, Educational Consultant, All India Council for Secondary Education, New Delhi.
- 16. Dr. R. K. Bhan, Secretary, All India Council for Secondary Education.
- 17. Dr. Gordon Mackenzie, Educational Consultant, Ministry of Education.
- 18. Members of the All-India Council for Secondary Education.

(2) *Seminars and Workshop :*

- 1. Dr. (Miss) M. L. Anderzhon, a T.C.M. Expert from U.S.A. conducted a five day Workshop on Social Studies for Secondary School teachers.
- 2. Dr. (Miss) E. S. Barrett, A Full-Bright Professor from U.S.A. held Seminar for the selected University teachers on guidance and counselling at University level.
- 3. Professor D. H. Spencer, British Council Expert on the Teaching of English as Foreign Language, conducted a seven days Refresher Course in English for Secondary School teachers.
- 4. Professor (Miss) Jean Forrester, Principal, St. Christophore Training College, Madras, gave two talks on the 'Structural Approach to the teaching of English In India.'

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\* The abovementioned persons also delivered lectures in the Faculty.

- 5. Professor T. K. N. Menon was appointed as the Director of Seminar on Promotion of Research in Training College organised by the Union Ministry of Education and Scientific Research at Bangalore on the 11th and the 12th May, 1957.

(3) Shri M. A. Quraishi, Junior Lecturer in Education of the Faculty attended six-week intensive course in English Phonetics held at Mussorie by the British Council in Collaboration with Central Pedagogical Institute, Allahabad, from the 20th May, 1957 to the 25th June, 1957.



## (B)—UNIVERSITY EXPERIMENTAL SCHOOL

### 1. Building

The Experimental School is an integral part of the Faculty of Education and Psychology and serves the purpose of its laboratory for trying out experiments in educational practice and theory, planned by the Faculty staff, trainees and teachers of the school.

The school continued to be housed in the ground floor of the building of the Faculty of Education and Psychology. Due to its growing activities day by day, the school experiences an acute shortage of a good girls' room, a demonstration room for laboratory and an Open Air Assembly Hall to be used as Activity Hall, Prayer Hall and Music Hall. To its credit, the school is equipped with an excellent Open Air Theatre, a kitchen and enough open space for sports. With the co-operation of the Botanical gardens, the school maintains good kitchen garden.

### 2. Courses of Studies

The school has two sections *viz.* Primary for class I to IV and Secondary from class V to VII. In the Primary section, the school continues to follow the same prescribed well-planned activity programme of instruction. All possible efforts are made to maintain co-ordination between the activity programme and the State Education Department syllabus. In the Secondary Section, the courses of study prescribed by the State Education Department duly supplemented by activities are followed. Wherever possible, the courses of study in General Science, Social Studies and Mathematics and Languages are distributed in the form of projects. Attempt is made to co-ordinate the study of Art particularly with the study of Social Studies and General Science. A group of children allotted to Art-study devote a good deal of time for bringing out excellent pictures relating to their study-subject. The school continues to maintain its good tradition of supplementing the prescribed syllabus by several co-curricular activities and hobbies. The school prepares children for the S. S. C. examination of the Bombay State. Besides the normal eight subjects for the S. S. C. examination, provision is also made for the teaching of several optional subjects like Art, Needlework and Embroidery, Music, Civics and Hindi. Gardening beds are maintained by the children

as part of their hobby and help them in the study of General Science. Visits to farms serve a similar purpose.

### 3. Number of students

The total number of pupils at the end of the year was :

209 Boys and 155 Girls : total 364.

### 4. Staff

The staff of the school consisted of the Principal, 16 teachers, 1 Art Master, 1 P. T. Instructor, 1 Craft Teacher, 1 Music Teacher, 1 Library Teacher and 3 Class III and 6 Class IV servants.

### 5. Library and Reading Room

The School has an excellent and well equipped library with adequate study facilities. It is in charge of a specially trained Library teacher. The Library has about 7,000 books in stock. No substantial addition was made during the year as there was enough addition of the valuable publications in the previous year from the Ancillary grant. The school subscribes to about 20 children's magazines and maintains a good reading material for teachers by borrowing teacher's journals from the Faculty of Education and Psychology and its Extension department. A good deal of attention is being paid in the school to inculcate among school children a reading habit with the help of class libraries and providing incentive through discussions, assignments, projects, study circles etc. Students are encouraged to use books for information and recreation. They have made valuable files of news-paper cuttings on various subjects which substantially add to their reading material. Children prepare reviews of periodicals and present them periodically before the school assembly.

### 6. Other Activities by the members of the staff

On every Saturday discussions were held on day-to-day problems of teaching as usual and papers were also read on educational topics. The following persons attended the different Seminars and Workshops during the year :

1. Shri N. P. Parikh attended a week-end course in Hindi organised by the Department of Extension Services, Faculty of Education and Psychology in August, 1956.
2. Shri C. C. Bhatt participated in the meeting of the teachers of Sanskrit teaching in the Baroda city in November, 1956 to discuss the questionnaire issued by the Sanskrit Commission.



3. In December, 1956 Shri J. J. Patel attended Audio-Visual Education Expansion Week organised by the Department of Extension Services, Faculty of Education and Psychology.
4. In January, 1957, Shri K. S. Yajnik attended All India Seminar on Teaching of Social Studies at Madras organised by All India Council for Secondary Education, Government of India.
5. In January, 1957, Shri N. P. Parikh attended a Workshop on Guidance organised by the Department of Extension Services, Faculty of Education and Psychology, Baroda.
6. Shri K. S. Yajnik gave a talk and piloted discussion on 'Bombay State Syllabus of Social Studies' and second discussion on 'Current Topics in the Teaching of Social Studies' in February, 1957 in the Workshop on the Teaching of Social Studies organised by the Department of Extension Services, Faculty of Education and Psychology, Baroda.
7. Kumari R. M. Tachakara and Kumari H. K. Shah attended a Workshop on the Teaching of Social Studies organised by the Department of Extension Services in February, 1957.
8. In March, 1957, Shri N. P. Parikh and Kumari R. M. Tachakara attended a Refresher Course in the Teaching of English organised by the Department of Extension Services, Faculty of Education and Psychology, Baroda.
9. In May, 1957, Miss E. S. W. Christian attended a Refresher Course in A. C. C. organised by Bombay Government at Khadakwasla.

#### 7. Publications by the members of the staff

Name	Title	Where published
Shri K. S. Yajnik	(a) Project Way in School	Department of Extension Services, Faculty of Education and Psychology
	(b) Towards Cumulative Records	Department of Extension Services, Faculty of Education and Psychology
	(c) Concept and Philosophy of Social Studies	Department of Extension Services, Faculty of Education and Psychology, Newsletter

Name	Title	Where Published
	(d) Reactionary Education	Progress of Education, October, 1956
	(e) योजनानी पहली कड़ी: शिक्षक	Nootan Shikshan, Surat, October, 1956
	(f) What Parents say about Experimental School	Gharshala, July, 1956
	(g) हरीफाई अने इनाम	Akhand Anand, August, 1956
	(h) Problems of Indiscipline and How to solve Them	Progress of Education, January, 1957
	(i) विसंवादिता	Akhand Anand, January, 1957
	(j) एस. एस. सी.नी परीक्षा	Nootan Shikshan, August, 1956
	(k) Examinations are necessary	Secondary Education, Ministry of Education, January, 1957
	(l) Democracy in Education	Secondary Education, Ministry of Education, April, 1957

#### 8. Special features of the year

1. As usual, with a view to encouraging the spirit of team work and co-ordination between Art, Excursions, Library reading and enriching the interest in the curricular studies, the following projects were undertaken during the year:

S.No.	Subject	Topic	Class	Guide
1	Geography	Clothes	VI	Kumari H. K. Shah
2	Arithmetic	Post	VI	Shri J. J. Patel
3	History	Revision Project	VII	Shri M. M. Desai
4	Languages	Lord Buddha	VII	Shri M. M. Desai
5	History	Transport Through the Ages	VII	Shri M. M. Desai
6	Social Studies	Local Survey	IX	Kumari R. M. Tachakara
7	Social Studies	The Moghuls & The Contemporary World	IX	Kumari R. M. Tachakara



## 2. Examination and Promotions :

The school has made a great change in the system of examination. To judge the whole child through its performances in four area of activities; viz. (1) Curricular Studies, (2) Physical (including games), (3) Artistic and Cultural (Arts, Crafts, Hobbies etc. and (4) Social, and ability to participate and profit by the programmes and activities of the next class, are taken as the basis of promotion in school. To minimise the evils of examination, due emphasis is given to the day-to-day work which includes Homework, Composition and Class work. The results of the periodical tests in all the subjects are also taken into consideration for the annual promotions.

## 3. Cumulative Records :

The school continues to maintain cumulative records of all children. They have been very useful in the study of the progress of the children.

## 9. Co-curricular Activities

1. *Health Service* : The school has a regular programme of health service. The medical inspection is carried out every year.

2. *Visits* : Regular visits to fields, factories are arranged to stimulate the project work of the children. Teachers of a few schools visited this school and demonstration lessons in Social Studies were also arranged for the visitors.

3. *Publications* : Our bulletins on 'Examinations, Tests and Assignments' have been found very useful to schools.

4. *Camps* : This is a regular feature of the school. During the year, the school organised a camp at Premnagar and also a camp at Ranoli for the A. C. C. Cadets. The Cadets also participated at the Ugat Camp organised by the Government.

5. *Cultural Programmes and Celebrations* : During the year, the school arranged celebrations during the University Week, Krishna Jayanti and School-day. The children participated in the Radio programmes. Regular film-shows were arranged for the children. The children also participated in a special programme arranged during the meeting of the Secondary Education Council in Baroda.

6. *Excursions* : Small class trips to Sevalia, Timba and Kakrapara were arranged. Picnic to Mahisagar was also arranged for primary classes.

## 10. Other noteworthy events

- 1 The children of the School participated in the Children's Drawing competition organised by Shanker's Weekly, New Delhi.
- 2 They also participated in the Madhyastha Kridamandal and the National Sports.
- 3 The school participated in the University Week Competitions and got prizes.
- 4 The children appeared for Drawing, Hindi, Sanskrit and Shistha-vachan Examinations conducted by the various bodies.



## CHAPTER XI—FACULTY OF COMMERCE

### 1. Brief History

The institution was started in 1942 as an affiliated College to the University of Bombay. It was taken over by the University in 1949. In the year following, First year and Intermediate Commerce classes were transferred to the newly created Intermediate College and the College was reorganised into the Faculty of Commerce with B.Com. and M.Com. classes. For convenience and co-ordination of teaching, it was shifted to the premises of the Faculty of Arts.

### 2. Building

The Faculty of Commerce occupies the western wing of the Baroda College building. It has three Lecture Halls for the use of the compulsory classes and four small halls for the use of classes in the optional subjects. These small halls are also used by other faculties. Out of the two halls newly erected, one hall is used by the Preparatory Commerce Class.

### 3. Courses of Studies

The Faculty prepares students for the B.Com. and M.Com. degree examinations and for the post-graduate Diploma in Banking and under-graduate Diploma in Co-operation examinations. The three year degree course was introduced in the Faculty from June, 1957.

### 4. Number of students

The number of students enrolled at the commencement of the year 1956-57 was as under :

Class	Men	Women	Total
(1) Dip. in Co-operation	19	—	19
(2) Jr. B.Com.	70	—	70
(3) Sr. B.Com.	99	1	100
(4) Jr. M.Com.	5	1	6
(5) Sr. M.Com.	9	—	9
(6) Dip. in Banking	9	—	9
(7) Ph.D.	2	—	2
Total :	213	2	215

### 5. Staff

During the year, the teaching staff of the Faculty consisted of 1 Professor, 4 Readers, 1 Senior Lecturer, 4 Junior Lecturers, 2 Tutors and 3 Part-time Teachers, 3 Class III and 6 Class IV servants. Teaching work of the subject of English is done by 2 Senior Lecturers and one Junior Lecturer in English of the Faculty of Arts, and work in Statistics is done by a Reader 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 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 taught 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.

Shri R. S. Bhatt, Managing Director, Bombay State Financial Corporation, Bombay, delivered five lectures to the students of the post-graduate Diploma in Banking on 'Problems of Bank investments and Industrial Finance'.

Shri V. C. Patel, Chief Accountant, Central Bank of India, Bombay, gave some lectures to the students of the post-graduate Diploma in Banking on 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	Reserve Bank Inspection & Bank Balance Sheets
2 Shri J. S. Parikh	Consideration of Advance proposals
3 Shri A. D. Dixit	Inspection of a Bank Branch.

### 6. Library and Reading Room

The Library and the Reading Room 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 on Saturdays on which it was kept open upto 3-00 p.m. Figures relating to the average daily attendance of the students and teachers of both Faculties together in the Reading



Room and the Library and number of books issued to them are given below :

Sr. No.	Particulars	Number
1	Average number of students making use of the Library and the Reading Room daily.	80
2	Average number of teachers making use of the Library and the Reading Room daily.	45
3	Total number of books issued to students during the year.	6,500
4	Total number of books issued to teachers during the year.	9,300

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 1956-57 :

Sr. No.	Particulars	Number	Cost in Rs.
1	Books (including back numbers of Journals), as on 1-7-1956	9,005	55,282.11
2	Books written off during the year	Nil	Nil
3	Books added during the year	176	3,781.43
4	Books as on 30-6-1957	9,181	59,063.54
5	Journals Subscribed during the year	51	1,065.39
6	Amount spent on binding during the year	—	247.37
7	Total amount spent for Library and Reading Room during the year	—	5,094.19

#### 7. Literary, Cultural and Other Activities

A paper on Educated Unemployment prepared by the Planning Forum of this University was submitted to the Planning Commission for discussion of the problem in the session of the Southern Planning Forums at Trivendrum in September, 1956.

#### 8. Co-curricular Activities

(1) The Faculty students took active part in the University Week Celebrations. They took part in almost all events and won the first prize in Group Dance. They also prepared charts showing India's economic progress during the First Five Year Plan and arranged an exhibition of the charts in the whole week.

#### (2) Lectures:

During the session, the following persons addressed the students of the Faculty on subjects mentioned against them.

Name	Subject
1 Shri Jashwant Thakar	The Place of cultural activities in life
2 Shri Bhailalbhai Patel	Co-operation in China
3 Dr. I. S. Gulati	Recent Budget proposals and corporate Taxation

#### (3) Debates:

Dr. V. S. Rajan initiated a general discussion on 'Industrial Relations' under the chairmanship of Professor V. Y. Kolhatkar. The students organised two debates on (i) Democracy in India is a total failure and (ii) Students and indiscipline. They also organised a prize debate on the subject 'In the opinion of this house Nationalisation without employee's control will defeat its own purpose'.

#### (4) Educational Tours:

(i) A trip to Sevalia was organised by the students of the Faculty to see the working of the Sevalia Cement Works. Students were accompanied by three lecturers. They saw the various processes of the production of Cement. They also visited Kaira District Co-operative Milk Producing Union, Anand.

(ii) Students of the post-graduate Diploma in Banking arranged a tour to Bangalore, Poona and Bombay to visit industrial and commercial centres in those cities and places of interest round about. They visited the Hindustan Antibiotics Works at Pimri, Jog Falls, Jog power generating station, Mysore Iron and Steel Works at Bhadravati, Mysore Paper Mills, Indian Institute of Science at Bangalore and Stock Exchange and Port Trust Offices at Bombay.

#### 9. Tutorials 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

Dena Bank Trophy Debate was held on the 17th December, 1956 under the chairmanship of Shrimati Hansa Mehta, the Vice-Chancellor of the University. The subject was 'That in the opinion of this House, Democracy without a Socialistic pattern of Society is a myth'. The following colleges in Gujarat participated :

- 1 H. L. College of Commerce, Ahmedabad
- 2 M. J. College of Commerce, Bhavanagar
- 3 K. P. College of Commerce, Surat
- 4 Faculty of Commerce, Baroda

The Trophy was won by K. P. College of Commerce, Surat.

## CHAPTER XII—FACULTY OF MEDICINE

### (A) MEDICAL COLLEGE

#### 1. Brief History

The scheme of starting a Medical College at Baroda was sanctioned by the former Baroda Government in the year 1946. A sum of Rs. 40 lakhs was set apart for its building and equipment. The College started working from June, 1949. Though it is a constituent college of the University its financial and administrative control continues with the Government of Bombay.

#### 2. Building

The College is housed in a building situated in the compound of the Shree Sayaji General Hospital. No additions and alterations to the main College building were made during the year.

#### 3. Courses of Studies

The College conducts courses leading to the degree of M.B.,B.S. as well as post-graduate courses in M.D., M.S., D.A., D.L. & O., and M.Sc. The post-graduate teachers in clinical and non-clinical subjects have been recognised since the 15th June, 1954. The first examinations for M.D. (O. & G.), M.D. (Path.), and M.Sc. (Phy.) were conducted in October, 1956 and one M.D. (O. & G.) candidate was declared successful.

#### 4. Number of students

The number of students enrolled in the various classes in the year 1956-57 was as under :

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
1st year M.B.,B.S.	47	9	56
2nd year M.B.,B.S.	33	—	33
3rd year M.B.,B.S.	47	5	52
4th year M.B.,B.S.	59	13	72
5th year M.B.,B.S.	70	11	81
Post-graduate Degrees	51	7	58
Post-graduate Diplomas	7	—	7
	<u>314</u>	<u>45</u>	<u>359</u>

#### 5. Staff

The staff of the College consisted of a Principal, 5 Professors, 7 Lecturers, 11 Junior Lecturers, 39 Teachers attached to the teaching hospital,



27 Class III and 40 Class IV servants.

### 6. Library and Reading Room

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

S.No.	Particulars	Number
1.	Average number of students making use of the Library	50
2.	Average number of teachers making use of the Library	40
3.	Total number of books issued to the students during the year	11,372
4.	Total number of books issued to the teachers during the year	2,204

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	No.	Cost in Rs.
(1)	Books (including back numbers of Journals) as on 1-7-1956	4555	74,816-14-0
(2)	Books written off during the year	—	—
(3)	Books added during the year	1857	21,557-14-0
(4)	Books as on 30-6-1957	6412	96,374-12-0
(5)	Journals subscribed during the year	93	4,538-0-0
(6)	Amount spent in binding during the year	—	—
(7)	Total amount spent during the year	—	26,095-14-0

### 7. Museums, Laboratories, Studios, Workshops etc.

The College museums contain specimens as under :

(1)	Anatomy (including Comparative Anatomy and Embryology)	Models	159
		Specimens	235
		Charts	900
(2)	Pharmacology Drugs (including preparations of various firms)		659
		Charts	53
		Models	6
(3)	Pathology	Specimens	1,938
		Charts	62
		Models	115
(4)	Preventive and Social Medicine	Slides	403
		Charts	55
		Specimens	72
(5)	Forensic Medicine (including Toxicology)	Charts	3
		Drugs	113

The following table shows the total cost of equipment in the museums, the laboratories and the artist-studios :

S. No.	Item	Cost of equipment as on 1-7-1956	Cost of equipment written off during the year	Cost of equipment added during the year	Cost of equipment as on 30-6-1957
		Rs.	Rs.	Rs.	Rs.
1.	Museum	2,94,646	104	97	2,94,639
2.	Laboratories	4,77,651	746	40,193	5,17,098
3.	Studios (Artist)	12,663	—	—	12,663
	Total :	7,84,960	850	40,290	8,24,400

### 8. Publications by the members of the staff

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

S. No.	Name	Title	Name of the Journal, where published with month of publication
1.	Dr. B. D. Misra	Spondylolisthesis	Indian Journal of Surgery, Vol. XVIII, No. 5, October, 1956
2.	Dr. R. J. Makhija, Dr. M. L. Pai and Dr. Y. B. Dixit	Study of urea concentration test and water dilution test in normals	Journal of J. J. Group Hospitals and G.M.C., Vol. II, No. 1, January, 1957
3.	Dr. J. D. Pathak, and Dr. M. L. Pai	Application of the study of Gastric response to Indian Foods in Gastric Disorders	Journal of the M. S. University of Baroda, Vol. V, No. 2, October, 1956
4.	Dr. J. D. Pathak, and Dr. M. L. Pai	Gastric Response to Indian types of foods	Journal of Indian Medical Association, Vol. 27, No. 3, August, 1956
5.	Dr. J. D. Pathak and Dr. M. L. Pai	Results of Fractional gastric analysis in Normal Indians	Indian Journal of Medical Research, 4th July, 1956
6.	Dr. M. L. Pai & Dr. T. V. Patel	Urinary Excretion of Thiamine and Reboflavin after saturation Test-Dose in normal subjects	Journal of Obstetrics and Gynaecology of India, Vol. VII, No. 3, March, 1957



S. No.	Name	Title	Name of the Journal, where published with month of publication
7.	Dr. M. L. Pai	The study of some aspects of food and Dietetics	Journal of Obstetrics and Gynaecology of India, Vol. VII, No. 4, July, 1957
8.	Dr. M. L. Pai	Influence of cooking on the Nutritional value of foods	Indian Journal of Medical Research, 4th January, 1957
9.	Dr. M. L. Pai	Pyruvic acid, Iron and Haemoglobin content of blood in normal subjects	Journal of the M. S. University of Baroda, Vol. V, No. 2, October, 1956
10.	Dr. M. L. Pai	Urinary excretion of Nicotinic acid in Toxaemia in pregnancy	Journal of Animal Morphology and Physiology, Vol. III, No. 2, 1956
11.	Dr. M. L. Pai	Examination of gastric secretory function with tubeless method and its comparison with the standard intubation method	Journal of Animal Morphology and Physiology, Vol. III, No. 2, 1956
12.	Dr. A. K. Niyogi & Dr. S. R. Trivedi	A study of epidemiology of burns and scalds and their prevention	Indian Journal of Medical Sciences, May, 1957

#### 9. Co-curricular Activities

- ( i ) The IVth year students were taken on an excursion tour and for training in Infectious Diseases and to visit other institutions of interest in Preventive and Social Medicine at Bombay in November, 1956. The University contributed Rs. 700 towards the travelling expenses.
- ( ii ) The students participated in the University Week celebrations and exhibition in December, 1956.
- ( iii ) Annual sports of the College were held in February, 1957.
- ( iv ) Eighth Annual Social was held on the 19th January, 1957. The students organised a good variety entertainment.

#### 10. Tutorials and Class Work

Junior Lecturers are entrusted with the work of tutorials and proper records are maintained.

#### 11. Other Important Events

- ( i ) Shri C. D. Deshmukh, Chairman, University Grants Commission paid a visit to the College on 15-2-1957.
- ( ii ) Dr. J. D. Pathak, Professor of Physiology was deputed to U.K. for higher training under the British Council Travel Grant from 8-4-1956 to 17-2-1957.
- ( iii ) Dr. John Matthai and Shrimati A. Matthai paid a visit to the College on 13-10-1956.



## (B) SHETH UJAMSHI PITAMBARDAS AYURVEDIC RESEARCH UNIT

### 1. Building

Construction work of the Out-Patient Department is nearing completion.

### 2. Staff

- (1) Dr. S. D. Gokhale, M.B., B.S. (Baroda) was appointed as Research Assistant in Pharmacology from the 13th August, 1956.
- (2) Shri D. K. Pathak was appointed as Assistant Research Vaidya on Rs. 100 p. m. in the grade of Rs. 100-10-200 from the 17th September, 1956 in the vacancy created by Shri H. C. Bhatt resigned.
- (3) Shri B. B. Bhatt, Research Fellow, resigned from the 4th June, 1956.

### 3. Library

The total number of books in the Library during the year was 2087 as against 2076 in the last year. 9 Journals were also subscribed during the year.

### 4. Museum

During the year, 20 more specimens of fresh medicinal herbs were added to the old 50 specimens making the total number of 70 jars of the fresh medicinal herbs. The new 20 specimens preserved in jars are as below :

અપામર્ગ, લજ્જાલુ, શ્લેષ્માન્તક, વિદારશકંદ, શરપુંખ, મુરડી-મહામુરડી, નાગજિવ્હા, જીવન્તી, શ્વેતચિત્રક, સહદર્વા, ગાજિવ્હા, પાતાલગરુડી, ચક્રમર્દ, કરંજ, અગ્નિગ્રંથ, આરગ્વધ, અર્ક, હુમ્બર, અમરવેલ, રક્ત તથા શ્વેત પુનર્નવા.

(1) *Rasa-Shala* : કૌડી શંખ-પ્રવાલ અને શંખ ભસ્મની બનાવટ પૂર્ણ કરવામાં આવી છે. આનંદ ભૈરવ, ત્રિભુવન કીર્તિ, નવાયસ લાહ, આરોગ્ય વર્ધિની, પ્રવાલ વિદ્યી, અગ્નિકુમાર, લઘુ સૂતશેખર, સંજીવની, મહાયોગરાજ, અગ્નિતુળ્હી, અશ્વકંચુકી, ચંદ્રપ્રભા અને લોકનાથ, જેવા સ્ત્રવી-રસો, હિંચક, સિતોપલાદિ, ત્રિકુટ, ત્રિફળા અને પંચસમ જેવાં ચૂર્ણો, મહાવિષગર્ભ તેલ જેવું બહારથી લગાડવાનું તેલ કુલીપક રસાયનમાં સુવર્ણવંગ અને કુપીપક રસાયનમાં સુવર્ણવજ્ર સંશોધન ઘટકના બહારના દર્દો વિભાગની તથા ઘટકની અંદરની દર્દોઓની પથારીઓની જરૂરિયાત પ્રમાણે બનાવવામાં આવ્યાં હતાં.

(2) *Literary Work* : A note on symposium discussions on આમવાત and સંધિવાત has already been published in Gujarati in સિદ્ધિભારતી of Surat in its April number. Marathi and Hindi versions of the same have been sent for publication in the આયુર્વિદ્યા of Poona and in the સચિત્ર આયુર્વેદ of Calcutta respectively. Another symposium on ગ્રહણીગંધ was held and completed in three sessions. A full note of the discussions is being prepared in three languages viz. Gujarati, Marathi and Hindi for publication in the above mentioned magazines. A third series of symposia on રાજ્યક્ષમા has been started.

(3) The Assistant has been trained in research methods and screening procedures in Pharmacology. He has started work on *ajuja bracteosa*—an indigenous drug named Nilkanthi for routine Pharmacological Screening. Aqueous, Alcoholic, Petroleum Ether and Chloroform extracts of this plant have been prepared and tested and the aqueous extract has proved suitable for work. The following are the observations made with the aqueous extract :

(a) *Acute Toxicity Studies* : Mice of fairly uniform weight were used. The doses of Nilkanthi ranging from 600 to 2400 mg/kg. were administered by the oral route. The animals were watched for 24 hours after the administration of the drug. No acute toxicity was seen after the extract.

(b) Pharmacological actions of the extract on the various organ system are as under :—

(i) *Effect of Nilkanthi on Skeletal Muscle* : The frog's Rectus abdominis was used as the test preparation.

Nilkanthi in a concentration of 1/100 stimulates the skeletal muscle which goes into a contracture. This action is not potentiated by physostigmine nor abolished by d-Tubocurarine or quinine in doses which abolish the stimulant action of Acetyl Choline on skeletal muscle. These observations were adequately confirmed by subsequently repeating the experiment. The graphic records are preserved.

(ii) *Action on Smooth Muscle* : Isolated pieces of Rat, Rabbit and Guinea Pig intestine were used for testing the aqueous extract for any possible action on smooth muscle. A variable action on intestinal smooth muscle is seen.



In some experiment the action was biphasic both stimulation and depression being present. In others it was a purely stimulant action. The stimulant action is antagonised by adrenaline in all cases. Further work is being done which may lead to a finer analysis of this biphasic response.

*Systemic action:* Administration by intravenous route produces a moderate fall of blood pressure which tends to diminish on repeated administration. Respiration is not much affected.

Investigation that Nilkanthi has some value in the treatment of liver diseases is now being undertaken. Extract of the following indigenous drugs whose pharmacological screening is planned to be undertaken during the coming year are being prepared:

(1) Lajjalu, (2) Mameja, (3) Galu.

On the clinical pharmacological side Punarnava and indigenous drugs of a more or less established diuretic action was given a short clinical trial.

8 patients of cardiac, renal, dietary and any other form of general oedema were admitted to the Ayurvedic Research Ward. Apart from other supportive treatment given by the physicians in charge two drachms of Punarnava extract was administered twice daily. The amount of urine passed by the patient during 24 hours, and its specific gravity, reduction in the weight and abdominal growth of the Patients were taken as indices of the diuretic effect. The studies show that Punarnava has a weak and variable but definite diuretic action.

## 5. Research

During the year, 47 new students have been examined for determination of Prakruti and the data of this examination has also been recorded.

## 6. Visits

During the year, Shri M. S. Kannamwar, the Health Minister, Bombay State, visited the Unit on the 31st March, 1957. He evinced great interest in the activities of the Unit.

The Head and the Senior Research Vaidya visited the Central Institute for Research in Indigenous Systems of Medicine, Jamnagar, on the 7th, the 8th and the 9th March, 1957.





Perkin Centenary Celebration. In the photo are Professor R. L. Desai, Professor Suresh Sethna, Shrimati Hansa Mehta and Dr. R. D. Desai.

## CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

### 1. Brief History

The present Faculty of Technology and Engineering is a development of a very old institution popularly known as the Kalabhavan, which was founded in the year 1890. Till the year 1948, it continued to have diploma and certificate courses. The institution was transferred to the University on the 30th April, 1949. Before that the former Baroda Government had passed orders to start an Engineering College in the institution providing courses leading to the degrees of B. E. Civil, Mechanical and Electrical and had provided necessary funds for additional buildings and equipment. The University blended then two institutions into the Faculty of Technology and Engineering.

### 2. Buildings

The buildings of the Faculty comprise the following :

- (1) Main building accommodating 9 laboratories, 9 drawing halls, 26 class-rooms, 27 staff rooms, students' common room, canteen, auditorium, library and reading room and Dean's office ;
- (2) The Hydraulics and Metallurgical laboratories ;
- (3) The Gas room ;
- (4) The Workshop and Textile Technology and Textile Chemistry premises accommodating :
  - (a) The workshop comprising the carpentry shop, fitting shop, lathe shop and machine shop, smithy, foundry, welding shops and the furniture making shop and the workshop office and stores ;
  - (b) Heat engines laboratory ;
  - (c) Chemistry and Textile Chemistry department laboratories ;
  - (d) Textile Technology department, preparatory weaving and spinning machinery sections and textile testing laboratory ;
  - (e) TAIRO Office.



### 3. Courses of Studies

#### (1) Post-graduate Courses:

- (i) Courses leading to the degree of M.E. (Civil, Mechanical and Electrical Engineering),
- (ii) Ph.D. in Textile Chemistry.

#### (2) Degree Courses:

- (i) Courses leading to the degree of B.E. (Civil, Mechanical and Electrical Engineering),
- (ii) Courses leading to the degree of B. Text. (Engineering),
- (iii) Courses leading to the degree of B. Text (Tech.),
- (iv) Courses 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.

#### (4) Certificate Courses:

Courses leading to the certificates of Turner and Fitter, Wireman, Carpentry, Dyeing and Weaving.

#### (5) Technical High School Course:

Course leading to the examination for the Secondary School Certificate of the Bombay State.

### 4. 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
<b>Post-graduate Courses</b>			
(i) M.E. (Civil)	2	—	2
(ii) M.E. (Mechanical)	2	—	2
(iii) M.E. (Electrical)	2	—	2
(iv) Ph.D. in Textile Chemistry	2	—	2
<b>Total:</b>	<b>8</b>	<b>—</b>	<b>8</b>

### Class Degree Classes

	Men	Women	Total
F.E. (Mechanical)	26	—	26
F.E. (Electrical)	26	—	26
F.E. (Civil)	28	—	28
F.Text (Eng.)	14	—	14
F.Text (Tech.)	9	—	9

Total: 103 — 103

S.E. (Mechanical)	37	—	37
S.E. (Electrical)	26	—	26
S.E. (Civil)	37	—	37
S.Text (Eng.)	16	—	16
S.Text (Tech.)	2	—	2

Total: 118 — 118

T.Text (Eng.)	8	—	8
B.E. (Mechanical)	30	—	30
B.E. (Electrical)	27	—	27
B.E. (Civil)	56	—	56
B.Text (Eng.)	5	—	5

Total: 126 — 126

B.Arch. I year	38	1	39
B.Arch. II year	30	2	32
B.Arch. (Intermediate)	45	—	45

Total: 113 3 116

Grand Total: 460 3 463

### Diploma Courses

#### Mechanical Engineering

Ist Year	64	—	64
IIInd Year	43	—	43
IIIrd Year	68	—	68

Total: 175 — 175

#### Electrical Engineering

Ist Year	68	—	68
IIInd Year	31	—	31
IIIrd Year	29	—	29

Total: 128 — 128



Class	Men	Women	Total
<i>Civil Engineering</i>			
Ist Year	69	—	69
IIInd Year	76	—	76
IIIrd Year	85	—	85
Total :	230	—	230
<i>Textile Chemistry</i>			
Ist Year	27	—	27
IIInd Year	19	—	19
IIIrd Year	48	—	48
Total :	94	—	94
<i>Textile Technology</i>			
Pre. Textile Technology	35	—	35
Textile Technology Ist Year	35	—	35
Textile Technology IIInd Year	34	—	34
Textile Technology IIIrd Year (D.T.T.)	26	—	26
Total :	130	—	130
Architecture IV Year	30	—	30
Grand Total :	787	—	787
<i>Certificate Classes</i>			
<i>Turner and Fitter</i>			
Ist Year	25	—	25
IIInd Year	11	—	11
Total :	36	—	36
<i>Wireman</i>	18	—	18
<i>Dyeing</i>			
Ist Year	7	—	7
IIInd Year	11	—	11
Total :	18	—	18
<i>Weaving</i>			
Ist Year	14	—	14
IIInd Year	13	—	13
Total :	27	—	27
Grand Total :	99	—	99

Class	Men	Women	Total
<b>Technical High School</b>			
IIIrd Year	61	—	61
IVth Year	42	—	42
Total :	103	—	103
<i>Summary</i>			
Post-graduate Courses	8	—	8
Degree Courses	460	3	463
Diploma Courses	787	—	787
Certificate Courses	99	—	99
Technical High School	103	—	103
Grand Total :	1,457	3	1,460

### 5. Staff

During the year, the staff of the Faculty consisted of 6 Professors, 6 Readers, 11 Senior Lecturers, 12 Junior Lecturers, 1 Assistant Lecturer, 2 Instructors, 1 Part-time Lecturer, 37 Demonstrators, 71 Class III and 58 Class IV servants.

### 6. Library and Reading Room

- (1) Apart from the usual book grant the Faculty received a grant of Rs. 18,750 from the University Grants Commission. Due to this, a good number of books and back numbers were added to the Library Stock.
- (2) The Reading Room and Library were kept open as in previous years for additional hours *i.e.* between 8-00 a.m. to 11-00 a.m. and 5-30 p.m. to 8-00 p.m. except on sundays and holidays. In March, April and part of May it was kept open upto 10-00 p.m. for students studying for their annual examinations. The usual office hours continued as before *i.e.* between 11-00 a.m. to 5-30 p.m.
- (3) Eighteen old and out of standard size cupboards were replaced by new ones of uniform size.
- (4) The classification of books in the library was changed to the library of congress classification in May-June, 1957.



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 Reading Room	130
2	Average number of teachers making use of the Library and Reading Room	10
3	Total number of books issued to students during the year	6,400
4	Total number of books issued to teachers during the year	1,000

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1956-57 :

S. No.	Particulars	Number	Cost in Rs.
1	Books (including back numbers of Journals) as on 1-7-1956	14,646	1,50,640- 8-0
2	Books written off during the year	4	20- 8-0
3	Books added during the year	1,066	24,937- 8-0
4	Books as on 30-6-1957	15,708	1,75,558- 0-0
5	Journals subscribed during the year	58	2,112- 0-0
6	Amount spent on binding during the year	..	254- 8-0
7	Amount spent on furniture during the year	..	4,140- 0-0
8	Total amount spent for Library and Reading Room during the year (including furniture)	...	31,444- 0-0

#### 7. Museum, Laboratories, Studios, Workshops, etc.

The following table gives the cost of equipment in the different laboratories, workshop and studios of the Faculty :

S. No.	Item	Cost of equipment as on 1-7-1956	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 30-6-1957
		Rs.	Rs.	Rs.	Rs.
	Laboratories Workshops and Studios	28,27,531.19	23,337.71	2,30,663.31	30,34,856.79

#### 8. Literary, Cultural and Other Activities

##### (1) (a) Literary Association :

Lectures, debates and talks on various subjects of general and engineering interest, by prominent persons are arranged by this Association for the benefit of the students and the staff. Students of this Faculty take part in various Inter-Faculty, Inter-University and other outside debating elocution contests. During the last three years our students have won various prizes and trophies at such contests, viz. the Vice-Chancellor's Trophy, Wadia Trophy, etc.

##### (b) Elocution Contests :

(i) Sarvashri R. J. Mistry and K. L. Chandiramani participated in the debate for the Vice-Chancellor's Trophy. Shri Mistry won the Second Prize.

(ii) Shri J. N. Bakshi, and Shri J. H. Tahiliani participated in Inter Faculty Debate for Professor M. N. Wadia Trophy.

##### (2) Students' Chapter, the Institution of Engineers (India) :

During the year 161 students of the Faculty were enrolled as members of the Chapter.

(a) Under the auspices of the Chapter and the Literary Association, the following lectures were delivered :

Date	Speaker	Subject
24-9-1956	Shri H. N. Mukerjee, Chief Engineer, Overseas Communication Services, Ministry of Communication, Government of India, Bombay	Long distance point to point communication in India.
25-9-1956	Shri H. N. Mukerjee, Chief Engineer, Overseas Communication Services, Ministry of Communication, Government of India, Bombay	Present trends in Commercial Communication in Telegraph, Telephone and Radio Photo.
12-1-1957	Shri C. S. Chandrasekhar, Director, Indian Standards Institute, Delhi	Town Planning ( Morning ) Standards ( Afternoon )
2-2-1957	Shri P. S. Char, Consulting Engineer, Bombay	Two lectures on 'Brain works under pressure'



(b) Under auspices of the Chapter, a visit was arranged on 22nd December, 1956 to Alembic Chemical Works Ltd., Alembic Glass Works Ltd., and Jyoti Ltd., Baroda.

(3) *Seminars :*

Weekly Seminars were arranged by some departments for students of the final year degree and diploma classes. Students prepare and read papers on a selected theme relating to the subjects of their study and participate actively in the discussions. Fortyone seminars were held during the year.

9. **Co-curricular Activities**

(a) *Excursions and Tours :*

B.E., S.E., B.Text. Eng., T.Text. Eng., S.Text. Eng. and S.Text. Tech., II and III Years Architecture Degree classes and all the final year diploma classes were sent out on an educational tour to places of particular interest connected with their branch of study, the period in each case extending upto two weeks.

(b) *Socials :*

The Faculty's Social Gathering was held on 9-3-1957 at this Faculty to give farewell to outgoing students under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the University.

(c) *Sports :*

(i) *Inter-Faculty Tournaments :*

In the Inter-Faculty Tournaments held during the year, the students of the Faculty participated in Hockey, Football, Badminton, Volley-ball, Kho-Kho, Hu-tu-tu and Tennis. The Faculty won championship in Football, Badminton and Hu-tu-tu and Runner's-up cup in Volley-ball, Kho-Kho and Tennis.

(ii) *Inter-University Tournaments :*

1. Sarvashri H. M. Desai, B. V. Desai, A. A. Adhikari and J. C. Phanse were selected to play at the Inter-University Cricket Tournament played at Baroda this year.
2. Sarvashri R. B. Patel and C. C. Patel were selected to play at the Inter-University Volley Ball Tournament held at Cuttak this year.

3. Sarvashri H. M. Desai and J. R. Joshi were selected to play Inter-University Badminton Tournament held at Bombay during the year.
4. Sarvashri P. R. Rege, U. B. More and A. B. More, were selected to play Inter-University Kho-Kho tournaments held at Poona.
5. Kumari Lalita Gore of the Faculty was selected to play for University at the Inter-University Kho-Kho tournament for women, held at Poona.

(iii) *Inter-Faculty Field Events :*

1. Individual Athletic Championship for women was won by Kumari Lalita Gore of the Faculty.
2. In the Staff events, fast walking for staff over 40 years, Shri C. J. Karamchandani won the first place.
3. In the Staff events, 100 meters running and shot-put for staff under 40 years, Shri S. K. Damle won the second place in both the events.

(d) *Exhibition of educational films :*

The Faculty has a stock of 29 films of various subjects of educational interest. Every year additional films are loaned for use from organisations like British Information Service, United States Information Service, Burmah Shell, Visual Aids Department of Bombay State and Films Division, Ministry of Education. Seven film shows were arranged at which 22 films were exhibited.

(e) *Dramatic and Music Association :*

The Association represented the Faculty in the Inter-Faculty Dramatic and Group song competitions. Two members of the Association got prize at the youth festival held at Delhi in Kathak Dance and Instrumental Music.

(f) *Photographic Association :*

The Association celebrated its fifth anniversary on the 8th August, 1956. Dr. C. S. Patel, the Pro-Vice-Chancellor was the Chief Guest on the occasion. Shri L. N. Sinha gave a talk on 'Art and Science of Photography.' During the year under report lectures and demonstrations on the technique of photography were arranged from time to time. A photographic contest was arranged during the University Week.



(g) *Co-operative Stores Society :*

Due to sudden fluctuations in the market prices, the stores did not go in for more materials :

The total sale during the official year was Rs. 2,327-6-0

The total purchase in the year came to Rs. 1,439-3-9

The net profit during the year came to Rs. 306-2-3

(h) *Lectures by Outside experts :*

Lectures delivered on the premises of the institution by the lecturers invited by the Faculty :

S.No.	Date	Name of the Lecturer	Subject
1.	20-9-1956	Shri S. B. Joshi, President, Institute of Engineers ( India ), Bombay	Civil and Structural Engineering practice
2.	24-9-1956	Shri H. N. Mukerjee, Chief Engineer, Overseas Communication Service, Bombay	Long Distance point to point communications in India
3.	25-9-1956	Shri H. N. Mukerjee, Chief Engineer, Overseas Communication Service, Bombay	Present Trends in Commercial communi- cations in telegraph, telephone and Radio- Telephoto
4.	11-10-1956	Dr. K. Venkatraman, Director, Chemical Tech- nology Department, University of Bombay, Bombay	Structural problems concerning Anthraqui- nonoid Vet Dyes
5.	20-12-1956	Shri B. V. Doshi, A.R.I.B.A., Ahmedabad	Le Corbusier's Mob- ular theory and its effect

10. *Tutorials and Class Work*

Attendance at the terminal examination, tutorial periods and tests are compulsory. The system of giving credit for work done during the term is followed. Regular records of the class work and periodical tests of the students are maintained. In deciding the annual results of all examinations whether conducted by the Faculty or University, the marks ob-

tained by the candidates in their terminal examinations, tutorials, class work and tests are taken into account.

11. *Other Important Events*

(1) Existing three and four years' Engineering and Technology degree courses were re-organised by adding to them preprofessional course ( analogous to Inter-Science A Group course ) into integrated courses of four and five years respectively. The integrated courses were started from June, 1957 by admitting student in the first year of these courses. Admissions to the first year of old three and four years courses were made for the last time in June, 1957. Then courses will be discontinued year by year from June, 1958 onwards.

(2) Towards the end of the year, Government of India, Ministry of Education approved the following schemes of expansion in the Faculty :—

Scheme	Increase in admissions	Non-recurring cost	Recurring ultimate cost
( i ) Expansion of Engineering Degree courses	75 to 240	Rs. 1.74 lacs for buildings Rs. 1.00 lacs for Equipment	Rs. 4.95 lacs
( ii ) Starting of a New Polytechnic for Diploma courses in Engineering	120 to 300	Rs. 13.40 lacs for building Rs. 10.62 lacs for equipment	Rs. 5.22 lacs

Government of India will pay the entire non-recurring cost, entire recurring cost in the first year ( 1957-58 ) and 80 in the second year ( 1958-59 ) and 50 in the third and the fourth years ( 1959-60 & 1960-61 ). The Government of Bombay have accepted to bear the remaining recurring cost.

(3) *Distinguished Visitors :*

(1) Shri Y. B. Chavan, Chief Minister, Bombay State, paid a visit to the Faculty in December, 1956.

(2) Dr. Harekrushna Mehtab, Ex-Governor, Bombay, paid a visit to the Department of Textile Technology of the Faculty in September, 1956.

(3) Shri Shantilal H. Shah, Minister of Education, Government of Bombay, visited the Faculty in December, 1956.



(4) Dr. John Matthai, Vice-Chancellor of the University of Bombay paid a visit to the Faculty in October, 1956.

(5) Shri Homi J. H. Taleyarkhan, Secretary, Congress Legislative Council, visited the Faculty in July, 1956.

(6) Herr Von Pochhammer, Consul General of the Federal Republic of Germany, Bombay, paid a visit to the Faculty in December, 1956.

(7) Shri R. G. Saraiya, Chairman, Bombay State Transport Corporation, visited the Faculty in October, 1956.

(8) Miss Jessie W. Harris, Dean, College of Home Economics, University of Tennessee and Miss Frances Zuill, Dean, College of Home Economics, University of Wisconsin, paid a visit to the Faculty in February, 1957.

## CHAPTER XIV—FACULTY OF FINE ARTS

### 1. Brief History

The Faculty of Fine Arts is one of the three new Faculties, when the University had to build the whole structure from the very foundations. Early in May, 1949 an Organiser was appointed to do the preliminary arrangements. He was deputed to visit some centres of Fine Arts at Delhi, Nagpur, Banaras, Patna, Shantiniketan and Calcutta. By May, 1950, the syllabi and the schemes of examinations for the degree and the diploma courses were approved, necessary books, furniture and equipment were purchased and some staff was also appointed. The Faculty started working from the 3rd July, 1950.

### 2. Building

The two storeyed new block 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 Post-graduate and Post-diploma students in Painting, Sculpture, Applied Arts, Art Education and Art Criticism and (9) Reading Room and Library on the first floor.

The old buildings accommodate (1) Administrative Office, (2) Lecture Rooms, (3) Art History Department, (4) Store and Record Room and (5) Applied Arts Studio, (6) Painting Studio, (7) Sculpture Studio, (8) Cellar for Pottery and Ceramics, (9) Bronze-casting Shed, (10) Process and Block-making Workshop, (11) Exhibition Hall and (12) Students' Common Room and Canteen—as individual studios and workshops.

### 3. Courses of Studies

The Faculty offers the following courses :

(1) Post-graduate degree 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 and (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) Wood-craft, (b) Lithography, (c) Photography, (d) Process and Block-making, (e) Bronze-casting, and (f) Pottery.

#### 4. Number of students

The number of students enrolled in various classes at the commencement of the year 1956-57 was as under :

Class	Men	Women	Total
<b>Certificate Classes</b>			
First Year	6	2	8
Second Year	5	—	5
<b>Diploma Classes</b>			
First Year	3	—	3
Second Year	5	1	6
Third Year	1	—	1
Fourth Year	1	—	1
<b>Degree Classes (B.A. Fine)</b>			
First Year	20	3	23
Second Year	18	2	20
Third Year	7	—	7
Fourth Year	4	3	7
Post-diploma Classes	1	—	1
<b>Post-graduate Classes</b>			
<b>Degree M.A. (Fine)</b>			
First Year	—	—	—
Second Year	2	—	2
<b>Diploma in Museology</b>			
First Year	5	—	5
Second Year	6	1	7
<b>Total</b>	<b>84</b>	<b>12</b>	<b>96</b>

#### 5. Staff

During the year, the staff consisted of 2 Professors, 2 Readers, 2 Senior Lecturers, 8 Junior Lecturers, 3 Honorary Lecturers (including Head, Department of Museology), 2 Demonstrators, 1 Printer, 7 Class III and 12 Class IV servants.

The following persons were invited as Visiting Professors during the year from the grant of the Faculty :

Sr. No.	Name	No. of Lectures	Subject
(1)	Shri Kripal Singh, New Delhi	2	Painting in Japanese style
(2)	Shri Prabhas Sen, Calcutta	4	Bronze-casting
(3)	Shri Noshir Chapgar, Bombay	2	Scraper Board Illustration
(4)	Shri T. R. Gairola, New Delhi	3	(1) The cleaning and preservation of siliceous materials (2) Treatment and preservation of glass and enamel objects (3) The cleaning and preservation of metals
(5)	Shri S. T. Satyamurti, Madras	3	(1) Methods of collecting and killing and mounting insects (Dry specimens) (2) Preserving invertebrate animal and small vertebrate animals in alcohol, spirit formation (3) The use of preservatives Fugation and sterilisation chamber in Museum work
(6)	Shri Shrinivasan, Calcutta	3	(1) Preserving plants and plant products in formalin and alcohol etc. (2) Preparing dry specimens (Herbarium sheets) of plant material (3) Causes of deterioration or loss museum exhibits. (i) Human, (ii) Climatic causes, (iii) Biological causes



Sr. No.	Name	No. of Lectures	Subject
(7)	Shri J. Gabriel, Bombay	5	Collection, Preservation and preparation of the skins of birds and small mammals
(8)	Professor H. K. Doring, Baroda	5	(1) Preparation of artificial leaves and flowers in wax medium (2) The making of moulds and cases of models in plaster, wax, paraffin, papier mache etc. (3) The technic of preparing Habitate Group cases (including dioramas) with special reference to their structure, background, foreground and other auxiliary factors (4) Repairing stone and marble sculptures and antiquities (5) Mounting, framing and storage and exhibition of painting, drawing and prints etc.

Shri V. R. Amberkar of Bombay was invited as Visiting Professor to give lectures on 'History of Art' to the post-graduate students. He 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.

#### 6. Library and Reading Room

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

Sr. No.	Particulars	Number
1	Average number of students making use of the Library and the Reading Room	30
2	Average number of teachers making use of the Library and the Reading Room	8
3	Total number of books issued to students during the year	255
4	Total number of books issued to teachers during the year	458

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

Sr. No.	Particulars	No.	Cost in Rs.
1	Books (including back numbers of Journals) as on 1-7-1956	2,052	28,035.64
2	Books written off during the year	—	—
3	Books added during the year	385	2,992.33
4	Books as on 30-6-1957	2,437	31,027.97
5	Journals subscribed during the year	22	823.50
6	Amount spent on binding during the year	—	403.81
7	Total amount spent for the Library and the Reading Room during the year	—	4,219.64

#### 7. 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 1-7-1956 Rs.	Cost of equipment etc. written off during the year Rs.	Cost of equipment etc. added during the year Rs.	Cost of equipment as on 30-6-1957 Rs.
1	Studios, Workshops, (Painting, Sculpture, Applied Arts etc.)	53,403.87	—	18,145.00	71,548.87
2	Museology Deptt.	970.00	—	1,536.39	2,506.39
	Total:	54,373.87	—	19,681.39	74,055.26

#### 8. Literary, Cultural and Other Activities

(1) Professor Stefan Hirsch from Bard College, U. S. A., came here as a Visiting Professor under the Fullbright Scheme. He was attached to the Painting Department and spent first term with the students.

(2) A wellknown American Artist, Mr. Howard Thomas spent three days in the Faculty and gave lectures on 'Modern American Art' in his own style of Painting.

(3) A popular lecture was arranged by Dr. Ashfaq Hussain, Joint Secretary, Ministry of Education, New Delhi, on the subject of 'The Problem of Museum Development in India' on the 6th March, 1957.

(4) Professor N. S. Bendre gave a talk on 'Art-Education' at Sir J. J. School of Art Centenary Celebrations, Bombay.



## 9. Co-curricular Activities

### (1) Study Tour :

During the year, study tours were taken to different places by the four departments as given below :

Department	Date	Names of the places visited
(1) Painting	December, 1956	Chitorgarh, Udaipur etc.
(2) Sculpture	December, 1956	Delhi, Patna, Rajgirikund, Mathra etc.
(3) Applied Arts	October, 1956	Bombay, Poona, Lonawala etc.
(4) Museology	October, 1956	Madras, Trivendrum, Mysore, Conjivaram etc.

### (2) Exhibitions :

(a) An exhibition of the works of the students was displayed at All India Khadi and Village Industries' Exhibition at Surat.

(b) An exhibition of the French exhibits was held in the Faculty during the French Week from the 1st to the 8th July, 1956.

(c) The exhibition on 'American Advertising Art' was held in August, 1956.

(d) An exhibition of the works of late Shri Ishwar B. Gajjar, a scholar student of the Sculpture Department of the Faculty was arranged in the month of October, 1956.

(e) An exhibition of the works of the students done during the study tours was arranged on the 20th February, 1957.

(f) Eighty four exhibits of the Faculty were sent for the UNESCO Conference Exhibition held at New Delhi.

(g) A special exhibition was arranged in the department of Museology for the visit of Dr. Harekrushna Mehtab, Ex-Governor, Bombay State, on the 20th September, 1956.

### (3) Film-Shows :

The following films were shown on the dates mentioned against each :

1. Looking at Sculpture	}	31-8-1956
2. Colour in Clay		
3. Indian Industries Fair, 1955		
		24-9-1956

4. 139 colour slides as part of 3rd Indian International Photography Exhibition	}	14-12-1956
5. Drama of Manipur		8-2-1957
6. Egypt		
7. Cave Temples of India I		
8. Cave Temples of India II	}	21-2-1957
9. Our times		
10. Colour Lithography		
11. Water Colour Landscape		
12. Cango Art		
13. Creation of a Portrait		

### (4) Celebrations :

The following functions were organised during the year :

- Tagore Jayanti
- Anniversary of Abanindranath Tagore
- Dashera Festival
- Final Year Students' Out-going Party
- Wild Life Preservation Week
- Museum Week

## 10. Other Important Events

### (1) Distinguished Visitors :

- Dr. Harekrushna Mehtab, Ex-Governor, Bombay State, Bombay, visited the Museology Department on the 20th September, 1956.
- The members of the Visiting Committee (Humanities) of the University Grants Commission visited the Faculty on the 20th November, 1956.
- Shri Y. B. Chavan, Chief Minister of the Bombay State, Bombay, visited the Museology Department on the 17th December, 1956.
- The members of All-India Council of Secondary Education visited the Faculty on the 22nd December, 1956.
- Shri Gordan Childe, Ex-Director, Institute of Archaeology, University of London, visited the Museology Department on the 23rd January, 1956.
- Shri C. D. Deshmukh, Chairman, University Grants Commission, New Delhi, visited the Faculty on the 15th February, 1957.



- (g) Shri Samuel Mathai, Secretary, University Grants Commission, visited the Museology Department on the 19th February, 1957.
- (h) Shri John Irwin, Curator, Indian Section, Victoria and Albert Museum, London, visited the Museology Department on the 2nd March, 1957.
- (i) Shri Ashfaq Husain, Joint Secretary, Ministry of Education, Government of India, New Delhi, visited the Museology Department on the 6th March, 1957.
- (2) Shri M. D. Pandya and Shri G. C. Bhatt, students of the Sculpture Department and Shri Shanti Dave, Shri Jyoti Bhatt and Shri Ratan Parimoo, students of Painting Department are awarded scholarships to young Artists in different cultural fields by the Government of India, New Delhi.
- (3) A six feet standing bronze-casting statue of Gandhiji was executed by the Sculpture Department as an outside order work from Bulsar Municipality.
- (4) Shri M. D. Pandya's marble carving, 'Milk Maid' was acquired by the Government of India for the National Art Gallery from the National Art Exhibition organised by the Lalit Kala Akademi.
- (5) First Prize in Sculpture was shared by Shri Narendra Patel, 3rd Year Degree Sculpture student and Shri P. A. Mangudkar, 6th Year Diploma student.
- (6) Shri Shanti Dave received a prize of Rs. 1,000 at the 3rd National Exhibition of Art. His painting receiving the award was purchased for National Museum. Shri Dave also received a silver medal at Bombay Art Society's 66th Annual Show.
- (7) Shri G. R. Santosh, Non-collegiate student received a cash prize of Rs. 1,000 at the 3rd National Exhibition of Art. His painting was acquired for the National Art Gallery.
- (8) One painting of Shri Himatlal Shah, a student of Painting was purchased for the National Art Gallery.

## CHAPTER XV—FACULTY OF HOME SCIENCE

### 1. Brief History

The Government of Baroda created on the 17th December, 1948 a Women's Educational Trust Fund with the object of establishing a Women's Home Science College in Baroda. The Trustees of the said Fund offered to transfer the Fund to the University on condition that it should be utilised for the construction, equipment and maintenance of a Home Science College for women. The University accepted the offer and started a Home Science College from the 3rd July, 1950 in one of its old buildings. Soon after the construction of a new building for the College was taken on hand. The new building completed at a cost of Rs. 6.57 lakhs, was occupied by the Faculty in June, 1952.

### 2. Buildings

The Faculty is housed in a spacious building constructed at a cost of Rs. 6.57 lakhs. The building provides adequate class-rooms, laboratories, workshop, Dean's office, meeting room and library and reading room. In addition, it has a large auditorium and a cafeteria. Chetan Balwadi is accommodated on the west wing ground floor. During the year, a new Home Management practice house was constructed in the compound of the Faculty at a cost of Rs. 64,000. Construction of a first floor over the western wing of the Faculty was also completed during the year at a cost of Rs. 4,500. This wing provided the required facilities for the post-graduate class-rooms and laboratories of the new department of Clothing and Textile to be started in the ensuing year.

### 3. Courses of Studies

The Faculty provides a four years' course leading to the degree of B.Sc. (Home) and a further two years' course leading to the degree of M.Sc. (Home). In the B.Sc. (Home) course the first two years consist of a core course, which acquaints all the students with the different phases of Home Science. The last two years enable the students to specialize in their own fields of interest. Four Home Science fields are offered as majors viz. (a) Foods & Nutrition, (b) Child Development, (c) Home Management, and (d) Home Science Education. For M.Sc. (Home), two majors are provided viz. (a) Foods and Nutrition and (b) Child Development. For the practical training, special help was received from (1) Maharani



Shantadevi Nursing Home, (2) Home Science Extension Training Centre which trains Gram Sevikas and (3) ladies of the City who participated in adult education classes.

#### 4. Number of students

The number of students enrolled in various classes at the commencement of the year 1956-57 was as follows :

Class	Number ( Women )
B.Sc. ( Home ) First Year	83
B.Sc. ( Home ) Second Year	45
B.Sc. ( Home ) Third Year	39
B.Sc. ( Home ) Fourth Year	38
M.Sc. ( Home ) First Year	5
M.Sc. ( Home ) Second Year	4

Total 214

#### 5. Staff

The staff of the Faculty consisted of 2 Visiting Professors, 1 Reader, 6 Senior Lecturers, 2 Junior Lecturers, 5 Demonstrators, 5 Teachers, 9 Class III and 15 Class IV servants.

The Faculty continued to receive the help of the staff of the other Faculties for teaching various subjects as shown below :—

- (1) Faculty of Arts — for Languages, Economics and Sociology
- (2) Faculty of Science — for Chemistry, Physics, Biology and Statistics
- (3) Faculty of Education and Psychology — for Psychology
- (4) Faculty of Medicine — for Anatomy, Physiology and Bacteriology
- (5) College of Indian Music, Dance & Dramatics — for Music and Dancing

The following Visiting Lecturers were invited during the year, to give lectures on topics mentioned against them :

S.No.	Name	Topics	No. of Lectures
1.	Dr. F. C. Webber, F.A.O. Expert to U. P. Government, Lucknow	Practical approach to problems on Food Preservation and Fruit Technology and allied subjects.	3

S.No.	Name	Topics	No. of Lectures
2.	Dr. Kamala Bhoota, Director, Marathi Bhagini Nursery School, Bombay	Nursery Education	1
3.	Dr. Kedarnath Kulshresth, Baroda.	Mother and Child Care and Family Planning	3

#### 6. Library and Reading Room

The Faculty has a well-equipped library of nearly 4,000 volumes on various fields of Home Science and allied subjects. The Faculty also subscribes for a large number of professional journals and periodicals. The library remained open from 8-00 a.m. to 6 p.m. on all days except Sundays and Holidays.

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 the Reading Room daily	160
2.	Average number of teachers making use of the Library and the Reading Room daily	15
3.	Total number of books issued to students during the year	2,300
4.	Total number of books issued to teachers during the year.	450

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1956-57 :

S.No.	Particulars	Number	Cost in Rs.
1.	Books ( including back numbers of Journals ) as on 1-7-1956	3,185	17,995-0-0
2.	Books written off during the year	Nil	Nil
3.	Books added during the year	761	8,819-2-0
4.	Books as on 30-6-1957	3,946	26,814-2-0
5.	Journals subscribed during the year	36	862-8-0
6.	Amount spent on binding during the year	—	326-8-0



S.No.	Particulars	Number	Cost in Rs.
7.	Total amount spent for the Library and the Reading Room during the year	—	10,008-2-0

#### 7. Museum, Laboratories, Workshops etc.

The Faculty has started building up a museum. Four cases were ordered, and a few table, rare articles, toys, and traditional textiles were acquired for display.

The following table shows the total cost of equipment in the museum, laboratories and workshops:

S. No.	Item	Cost of equipment as on 1-7-1956	Cost of equipment etc. written off during the year	Cost of equipment added during the year	Cost of equipment as on 30-6-1957
		Rs.	Rs.	Rs.	Rs.
1	Laboratories	1,44,866.02	..	43,432.47	1,88,298.49

#### 8. Literary, Cultural and Other Activities

- (1) Kumari Justina A. Singh read a paper on the 'Psychological Effects of Clothing' at the All-India Home Science Biennial Conference, Allahabad.
- (2) Kumari Savitri Pandit read a paper on the 'Importance of Home Management House' at the All-India Home Science Biennial Conference, Allahabad.
- (3) Kumari Justina A. Singh, inaugurated the Home Science department of the B.D. Arts College, Ahmedabad, and addressed the students.
- (4) Kumari Justina A. Singh gave a talk on the 'Clothing and Personalities' at the Rotary Club, Baroda.
- (5) Kumari Amita Mehta gave a talk on 'Home Science Career' to the students of the Baroda City Schools at the Maharani High School for Girls.
- (6) The Child Development department organised the meetings of the Parent Teacher Association and helped the parents in many un-usual ways.
- (7) The Home Science Education department conducted the Adult Education classes successfully.

- (8) The Foods and Nutrition and Home Management classes gave several demonstrations for ladies of the town.
- (9) The Faculty Cafeteria served about 30 students daily.

#### 9. Co-curricular Activities

- (1) *Excursions and Tours*: The Foods and Nutrition department conducted two tours, one to Bombay and Poona and the other to Anand. The Home Management department went to Bombay for a five day tour. The Child Development department visited the various nursery schools and Child Welfare agencies in Bombay and its suburbs. The Home Science Education department went to Ahmedabad to collect Audio-Visual Aids. Nine staff members and fifteen students attended the third Biennial Conference of the Home Science Association held in Allahabad.
- (2) *Socials*: The Students' Association organised three socials and one picnic for the staff and the students of the Faculty.
- (3) *Sports*: Several students took part in the indoor and outdoor games and sports and won prizes.
- (4) *Debates*: Students organised Inter-house debates in the Faculty and also took part in the Inter-Faculty debates.
- (5) *Film Show*: Several films were obtained from foreign embassies and Films Division of the Ministry of Information and Broadcasting on various aspects of Home Science and Technical subjects. Ministry of Information and Broadcasting, while preparing a film on Women's education, took several shots of the various departments of the Faculty to explain 'Home Science' to the public.
- (6) *Exhibition*: The exhibits in the four show cases near the entrance of the Faculty are changed frequently by all the departments. Shrimati K. G. Karandikar displayed the toys, garments and handicrafts prepared by the students of the Faculty at the All-India Home Science Biennial Conference, Allahabad. During the University Week the Faculty arranged an exhibition which was well attended.
- (7) *Celebrations*: The students took part in N.C.C. and A.C.C. celebrations. Several students participated in Inter-University



Youth Festival held in Delhi. The Faculty Day was celebrated for four days.

- (8) *Faculty Magazine*: The third issue of the Faculty Magazine was published in March, 1957. Some leading people in the field of Home Science, members of the staff and the students contributed articles in the magazine.

#### 10. Tutorials and Class Work

The Faculty follows a system of grade-credit to assess and evaluate the work of its students in all theory and practical classes. Every teacher maintains a diary or a class record for her subjects, in respect of each student taking the course. The students' performances during a term in the subjects in areas of practical test, regular assignments, term papers, reports, class room work and special projects are evaluated on a four point scale and the grades earned by the student in each area of the sessional work are entered in her class record. All these grades are averaged and count as half of the total grade for the term. The advisory system adopted by the Faculty has helped the students with their scholastic and personal problems.

#### 11. Other Important Events

##### (a) *Distinguished Visitors*:

- 1 Dr. Clifford S. Liddle, of T. C. M. American Embassy, New Delhi
- 2 Miss Mildred J. Roush, Colorado A. & M. College, Colorado
- 3 Shri Homi J. H. Taleyarkhan, Secretary, Congress Legislative Council
- 4 Shri Champaklal Desai, Civil Lines Road, Godhra
- 5 Dr. Johan Matthai, Vice-Chancellor of the Bombay University, Bombay
- 6 Dr. C. D. Deshmukh, Chairman, University Grants Commission, New Delhi
- 7 Dean Harris, University of Tennessee, U.S.A.
- 8 Dean Zuill, University of Wisconsin, U.S.A.
- 9 Dr. V. S. Mangalik, Dean, Medical College, Lucknow
- 10 Dr. B. Mukerjee, Director, All-India Drug Research Institute, Lucknow.

##### (b) *Tennessee University Contract*:

The Faculty of Home Science was one of the eight colleges who participated in the Indo-Tennessee Contract for Home Science. The Faculty received books and equipment worth nearly 7,000 dollars and Miss Christy, one of the staff members of the Faculty, received a scholarship for further study at the University of Tennessee.

#### 12. Chetan Balwadi

The department of Child Development conducts a Nursery School for children between the ages 2 to 5. It is located on the ground floor in the west wing of the Faculty and is furnished with suitable furniture, apparatus and equipment for the education of children of this age group. It has a fairly large play-ground. One of the Senior Lecturers in Child Development works as the Superintendent of this School. Besides, there are three trained teachers. The number of children in the School during the year was 60-30 boys and 30 girls. The School serves as a laboratory for the department of Child Development.

#### 13. Home Science Wing

The Government of India, Ministry of Agriculture is conducting an intensive programme of rural development in the country through the Nation Extension Service Blocks for raising the standard of living, health and happiness of the rural population. In this programme the Ministry requires a large number of *Gram Sevikas i. e.* women village level workers, who are well equipped to work in villages and to help the women there to raise the standard of living in the rural community. With this end in view, the Ministry decided to start 25 centres in the country to train up women workers. One out of the two centres, offered to the State of Bombay, is run on their behalf by the University as 'Home Science Wing' in the University estate of Tara Nivas. Necessary additions and alterations in the existing buildings were made to provide a training Hall with class rooms, laboratory, administrative office and accommodation for the Instructresses and trainees by May, 1956. The Home Science Wing was started from the 18th June, 1956. Though provisions exist to take 20 trainees, only 6 women came forward to join the training. The staff consists of one Chief Instructress and two Assistant Instructresses. The course is of one year's duration and consists of subjects like Family, Food and Nutrition, Clothing, Mother and Child Care, Housing and House Management, Health and Sanitation, Handicrafts and Cottage Industries,



Agriculture, Kitchen Garden, Co-operation and Home Science Extension. The subjects are taught in theory and practicals in class and practised in daily living in the hostels. The staff and trainees went to the village Gorva for field work; for agricultural training the trainees were sent to the men's Extension Training Centre in the Model Farm. The trainees were also taken to visit various institutions and places of educational value. The Centre has the advantage of help and guidance of the Faculty of Home Science.

## CHAPTER XVI--FACULTY OF SOCIAL WORK

### 1. Brief History

Organisation of the Faculty of Social work was started on the 15th March, 1949. It started working from the 18th July, 1950.

### 2. Building

No additions or alterations were made to the existing building. The Faculty has received approval and grant from the University Grants Commission for a new building.

### 3. 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.

### 4. Field Work, Rural Work, Study Tours etc.

#### (a) Field Work:

The chief emphasis continues to be on practical training and the application of academic knowledge to day-to-day life situations. This year junior students were given group supervision in the first term, and from second term the students continued to be supervised individually. Agencies co-operating with the Faculty in offering valuable practical training to the students are Camp Road Community Welfare Centre, Baroda Certified School, Baroda Central Prison, Government Blind School, Shri Chinnabai Industrial Home for Women, Health Museum, Shri Jamnabai Hospital, Shri Padmavati Sanatorium, Anti-Tuberculosis Clinic, Shri Sayaji General Hospital, The Mental Hygiene and Psychiatric Clinic (Shri Sayaji General Hospital), The Mental Hospital, The Alembic Chemical Works Co. Ltd., Baroda Spinning & Weaving Co. Ltd., Jyoti Ltd., Sarabhai Chemicals, Shri Dinesh Woollen Mills Ltd., Shri Sayaji Mills Co. Ltd., Shri Yamuna Mills Co. Ltd., Government Labour Welfare Centre, Baroda District Industrial Co-operative Sale and Purchase Union, Khadi Prachar Mandal, Government Model Farm, The Atladra Rural Work Centre and The Bil Rural Work Centre.

#### (b) Rural Work:

The Rural Work department of the Faculty of Social Work expanded its activities in Atladra and Bil villages during 1956-57. Four men and



two women students were placed in these villages for their field work experience. The main activities that were carried out under the programme were—Medical, Recreational and Social Educational activities among youth and women of the villages.

The medical programme consisting of health education, and family and child welfare work was carried out under the guidance of one health visitor, who is appointed full-time by the Faculty. She also operated a milk distribution programme for children in both the villages in co-operation with the primary schools and panchayats. The Faculty provides milk powder and the milk is distributed five times a week. About 100 children of all ages took advantage of this programme.

The Rural Work department is encouraging the villages to obtain help from Government and other sources towards their village welfare. The department was able to assist the panchayat in Bil to persuade the Padra Primary Health Unit to start a health centre in Bil village. The panchayat, itself has sanctioned Rs. 2,000 for this purpose and has secured contribution of Rs. 1,500 from Bil Co-operative Society to the same cause. The Youth League in this village collected a sum of Rs. 360 which they utilized in renovating the Youth Hall constructed last year.

(c) *The Mental Hygiene & Psychiatric Clinic:*

The Mental Hygiene and Psychiatric Clinic continues to train students for Psychiatric Social Work and offers skilled services to children and adults who are neurotically and psychotically disturbed.

The full-time personnel remains the same as last year, i.e. two trained Psychiatric Social Workers, one Clinical Psychologist and one Clerk. The Mental Hygiene Consultant from the staff of the Faculty of Social Work and the Head of the Mental Hospital continue to offer their services on voluntary basis.

The type of cases coming to the Clinic continues to be varied; but this year an increasing number of children and University students have taken advantage of their services. As of March 1957, there is a total of 972 cases registered in the Clinic; approximately 80 cases were receiving weekly help out of which 8 were students and 28 children.

The programme of public education in mental hygiene has been intensified. Two pamphlets in English and Gujarati on the development of the Clinic and on the problems of children were distributed to doctors,

teachers and various institutions in Baroda, national as well as international agencies in the field. The responses indicate a steadily growing interest in this field.

In recognition of the work done by the Clinic, the Ministry of Health, Government of India gave an Ad-Hoc Grant of Rs. 10,000 during this year towards expenses of the Clinic. The Jean and Howard Norman Trust Fund of Australia continues to shoulder the major financial responsibility, while the University through the Faculty of Social Work continues to assume responsibility for facilities and services of some of the personnel.

(d) *Study Tour:*

The study tour was arranged for senior students this year. The students visited Hyderabad to observe the work of different social welfare agencies in the city.

5. *Number of students*

The number of students enrolled in the two classes at the commencement of the year 1956-1957 was as under:

Class	Men	Women	Total
Junior Class	20	6	26
Senior Class	16	4 + 1 (non-collegiate student)	20 + 1 (non-collegiate student)
Total	36	11	47

6. *Staff*

(a) During the year, the staff of the Faculty consisted of 1 Professor, 1 Consultant, 4 Senior Lecturers, 4 Junior Lecturers, 2 Part-time Lecturers, 1 Field Work Assistant, 6 Class III and 6 Class IV servants.

(b) The Staff in the Mental Hygiene and Psychiatric Clinic consisted of 1 Clinical Psychologist, 2 Social Workers and 1 Class III servant.

(c) The staff in the Social Education Organizers' Training Centre, Samiyala, consisted of 1 Reader, 3 Junior Lecturers, 5 Class III and 7 Class IV Servants.

7. *Library and Reading Room*

The Faculty has well equipped library of over 3400 volumes on various fields of Social Work and allied subjects. The Faculty also subscribes to a large number of professional journals and periodicals.



The following are the figures showing average daily attendance and circulation of books, during the year 1956-57 :

S.No.	Particulars	Number
1.	Average number of students making use of the Library and the Reading Room daily.	46
2.	Average number of teachers making use of the Reading Room daily.	16
3.	Total number of books issued to students during the year	7,385
4.	Total number of books issued to teachers during the year	2,400

The following figures show the stock and the expenditure on the maintenance of Library and Reading Room during the year 1956-57 :

S.No.	Particulars	Number	Cost in Rs.
1.	Books (including back numbers of Journal) as on 1-7-1956.	3,130	19,082.02
2.	Books written off during the year	—	—
3.	Books added during the year	275	1,999.58
4.	Books as on 30-6-1957	3,405	21,081.60
5.	Journals subscribed during the year	47	809.83
6.	Amount spent on binding during the year	—	200.00
7.	Total amount spent for Library and Reading Room during the year	—	3,009.41

#### 8. Publications by the members of the staff

The following papers of the members of the staff were submitted for publication during 1956-57 :

Name	Title	Where published
(1) Professor (Kumari) P. Vakharia	Dilemma of Youth in a Democracy	Journal of International Union Organization December, 1956.
(2) Miss O. Swoboda	The Field of Psychiatric Social Work.	Social Welfare, March-April, 1957

#### 9. Literary, Cultural and Other Activities

##### (a) Staff participation in wider fields 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.

Professor (Kumari) P. Vakharia worked as the Chairman of the sub-committee on 'Implementation of case work in the field of social work' at the Annual Conference of Social Work, Jaipur in December 1956. She was also invited by the University of Punjab, Lahore (Pakistan) to participate in the Programme of the department of Social Work in October, 1956.

Miss Olive Swoboda was invited by the University of Punjab, Lahore (Pakistan) for the same programme as described above.

Kumari I. D. Malani acted as a Resource Person to section 'Social Work and Community' of the Annual Conference of Philippine Association of Social Workers held at Manila, Philippines in November, 1956.

Shrimati P. Bhatt read a paper on 'Opportunities for women in the field of Social Work' with special reference to correctional field at the All-India Women's Conference at Indore.

Shri G. G. Dadlani submitted a paper on 'Social Consequences of Slum Life' at the National Seminar on 'Slum Clearance' organized by Indian Conference of Social Work, Bombay.

Shri B. R. Deolalikar worked as a Recorder at one of the sections of the 9th Session of Indian Conference of Social Work held at Jaipur.

Shri D. F. Pereira read a paper on 'Use of Projective and situational tests for Public Service Recruitment' at the Conference held by Indian Institute of Public Administration.

Over and above this the teachers have participated in the community by giving talks on A.I.R. and in civic clubs.

##### (b) 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 B. R. Deolalikar visited different rural welfare agencies and community projects in Saurashtra and Rajasthan.

##### (c) Participation on various committees :

Professor (Kumari) P. Vakharia

- served on the Executive Committee of the District Probation and After-care Association ;
- served on the Central Executive Committee, Indian Conference of Social Work ;



- (iii) was a member of the Governing Board, International Committee of Schools of Social Work ;
- (iv) was elected as a Chairman, Nomination Committee for 1958 Board of Governors, International Committee of Schools of Social Work ;
- (v) was a member of the Membership Committee, International Committee of Schools of Social Work ;
- (vi) acted as Interviewer for the New York School of Social Work for candidates applying from India.

Kumari I. D. Malani continued to be one of the Conveners of the branch of Indian Council of Child Welfare at Baroda. Shrimati P. Bhatt took her place, when the former went on leave.

Shrimati P. Bhatt served on the Executive Committee of District Probation and After-care Association, Baroda.

*(d) 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 five 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. The sum is set aside for rendering assistance to the needy students of the Faculty.

## 10. Co-curricular Activities

*(a) Socials :*

Under the auspices of the Students' Association, debates and lectures were conducted. They participated in the Inter-Faculty debates and competitions. They also organized annual sports and conducted it with enthusiasm. The students of the Faculty were hosts to a group of students from Institute of Social Sciences, Lucknow University when they visited the Faculty in January, 1957.

*(b) Film Shows :*

The Rural Welfare Centres and the Camp Road Community Welfare 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.

(c) The Faculty competed in an exhibition conducted by A. I. R., Baroda on progress of the country since Independence and was awarded a prize for the same.

(d) The Fourth issue of the Faculty Magazine was published in May, 1957. It has now taken the shape of a Journal known as 'Social Work Review'. Some well-known people in the field of social work and members of the staff have contributed articles in this issue.

## 11. 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 regular conferences with their research guides which facilitates a close supervision of the students' day-to-day progress.

## 12. Social Education Organisers' Training Centre, Samiala

The Social Education Organizers Training Centre is a constituent unit of the Faculty of Social Work, situated at about 8 miles from Baroda on the road to Padra. This Centre is one of the ten Social Education Organisers' Training Centres in the country and is receiving grant from the Ministry of Community Development, Government of India.

This is an in-service training centre for the Social Education Organisers who work as specialists incharge of Social Education in the Development Blocks, along with other specialists in the Community Development Programme. The centre trains two batches a year, each batch consisting of 40 trainees. The trainees are deputed from all over India by the various States.

The training centre was started in January, 1955 exclusively for women who underwent specialised training for three months after the regular training of five months for Social Education Organisers' work. Three such batches were turned out. Later, due to the growing demand for Social Education Organisers in the field and shortage of training centres, the Ministry of Community Development started three more centres



and this Centre was converted into a five months' training centre for both men and women. Till now 69 men and 113 women have been trained at the Centre.

The training consists of orienting the trainees to village life and village problems, and in giving them training in social skills that bring about maximum participation of the villagers in the development programme and sustain an active and continuous interest in them. The training also consists of giving a working social philosophy given to community uplift through community action. Being part of the Faculty of Social Work, the overall training at the Centre has a social work bias and enjoys a reputation for creative programme and work.

### 13. Other Important Events

(a) The Faculty is conducting an all India research on 'Survey of the Graduates of the Schools of Social Work' on behalf of the Ministry of Education, Government of India. The object of the study is to assess the extent to which their training was helpful in meeting work responsibilities.

(b) Services of an American Expert in Social Work, Miss H. Pinkus are made available by the T. C. M. to the Faculty for a period of two years from October, 1956.

### 14. Miscellaneous information

(a) Shri Manibhai Amin of the Sanitex Chemical Industries Co. Ltd., continued the donation of vitamin and other pills for the subsidiary diet programme conducted at the Camp Road Community Welfare Centre.

(b) The Baroda Branch of Indian Red Cross Society and Anti T. B. Association gave donation of milk-powder, vitamin pills, recreational equipment etc.

(c) The Staff of the Publicity Department of Municipality and the Five Year Plan Publicity Office gave full co-operation in organising educational film shows at the various field work centres.

(d) Dr. M. A. Hai, Sexologist Hyderabad, gave a lecture on 'Purpose and method of sex education' in the Faculty on the 30th January, 1957.

### 15. Distinguished Visitors

(a) The University Grants Commission representatives visited the Faculty in February, 1957 with a view to consider the need of new building for the institution.

(b) Miss E. Hersey, Social Welfare Adviser, American Embassy, New Delhi paid a visit to the Faculty.

(c) Dr. Helen Wright, T. C. M. Chief of Party on Social Work Education took the opportunity to visit the Faculty and study its programme.

(d) Miss Tenant, T. C. M. Personnel attached to Delhi School of Social Work came to study our records in field work and discussed the teaching of group work with staff.

(e) Shri Mankodi, Deputy Secretary, Ministry of Community Development, Government of India, paid a visit to S.E.O. Training Centre and the Faculty this year.

(f) Shri N. J. Jungalwala, Ministry of Health, Government of India, Dr. Paul Larsen, UNICEF and Dr. Watson, WHO, visited the Faculty and S.E.O. Training Centre in February, 1957.

### 16. Alumni News

The Association continued to give information and counsel to alumni regarding job situations and other problems. A list showing employment of alumni in various field is given below :

<i>Field of occupation</i>	<i>No. of Graduates</i>
(a) Labour Welfare and Personnel Management	38
(b) Medical and Psychiatric Social Work	8
(c) Family and Child Welfare	1
(d) Community Development	5
(e) Delinquency and Correctional Administration	5
(f) Public Welfare	5
(g) Tribal and Scheduled Caste Welfare	1
(h) Research	3
(i) Education (teaching)	15
(j) (i) Non-professional	1
(ii) Unemployed	3
(iii) Unknown	7
Employment of the alumni is almost 100%.	
	11



## CHAPTER XVII—ORIENTAL INSTITUTE

### 1. Brief History

The Baroda Central Library, which was established by the former Government of Baroda in 1910 had a Sanskrit section consisting of manuscripts and printed books. In 1915 this section started publication work under the Gaekwad's Oriental Series. The work of this Sanskrit section gradually expanded and in 1927 it was separated from the Central Library and made an independent institution. It was named as Oriental Institute and placed in charge of a Director with necessary technical and administrative staff. In 1931, the Translation Branch of the office of the Commissioner of Education, which was publishing books in Gujarati, Marathi and Hindi, was transferred to the Oriental Institute. When the Institute was taken over by the University in 1949 it had a splendid record of publications—109 volumes in the Gaekwad's Oriental Series and 516 other books.

### 2. Building

The Oriental Institute is accommodated on the first floor of the Government building called the Record Tower Building, where the accommodation is leased to the University on a nominal rent of Re. 1 per year.

### 3. Staff

During the year, the staff consisted of 1 Director, 1 Deputy Director, 3 Superintendents, 1 Translation Assistant, 9 Class III and 5 Class IV servants, as also the temporary and permanent members of the Ramayana Department, which has 2 Superintendents, 4 Ramayana Assistants and 33 part-time workers.

### 4. Work of the Institute

The main work of the Institute is research and publication carried fundamentally with the help of the big manuscripts collection and the collection of printed books bearing on all subjects related to Indology. The publications are under the following titles :

1. Gaekwad's Oriental Series
2. M. S. University Research Series
3. Shri Sayajirao Gaekwad Honorarium Lecture Series
4. The Maharaja Sayajirao III Golden Jubilee Memorial Lecture Series

5. Shri Sayaji Sahityamala
6. Shri Sayaji Balajnanamala
7. Shri Sayaji Gramavikasamala
8. Matusri Jamnabai Smarak Granthamala
9. Shri Shishujnanamala
10. Journal of the Oriental Institute (Quarterly)
11. M. S. University Oriental Series  
(Published in the Journal of the Oriental Institute).

The Institute arranges the sale of these publications as well as of the publications of some Faculties and Institutions of the University.

12. Critical and Illustrated Edition of the Ramayana.

Since 1951 the University has undertaken through the Institute the publication of a Critical and Illustrated Edition of the Valmiki Ramayana. The Director is preparing the Critical Edition of the *Balakanda*. A specimen of the proposed Critical Edition was printed and sent to the members of the Editorial Board and well known scholars in India and abroad for opinion. The tentative edition was well-received. The work of reconstructing the text of *Balakanda* is progressing in right earnest.

### 5. Post-graduate Teaching

Besides the above, as a part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, five members of the Institute are recognised as post-graduate teachers in Sanskrit for M.A. The Director who is recognised for guiding Ph.D. students in Sanskrit was guiding 6 Ph.D. students of the Faculty of Arts. During the year, a thesis on 'A Critical Study of Magha's Shishupalavadha' by Shri M. T. Buch, was accepted for the Ph.D. degree. Two more thesis, one on 'Cultural History from the Matsyapurana' by Shri S. G. Kantawala and the other on 'Origin and Development of the Dattatraya Worship in India' by Shri H. S. Joshi, are under preparation and nearing completion. The Deputy Director is also recognised as a post-graduate teacher for M.A. in Sanskrit and Prakrit, and for Ph.D. in Sanskrit and Prakrit and Ancient Indian History and Archaeology. During the year, 2 students are working under him, one, Shri H. G. Desai on 'A Cultural Study of Jayakhya-samhita' and Shri S. K. Dave on 'A Cultural Study of the Vamana Purana'. During the year, he has given guidance to one M.A. student in Sanskrit (offering Epics and Puranas as an optional subject).



## 6. Library and Reading Room

The Library of the Institute has two Sections :

(i) The Manuscript Section and (ii) The Printed Books Section.

### (a) Manuscript Section :

This Section has a collection of 14,255 manuscripts in Sanskrit, Pali, Apabhramsa and other classical Indian languages of which 36 were added during the year. Of these, 13 were purchased, 22 were presented by the Deputy Director and 1 by Shri J. B. Shukla of Baroda. During the year, 36 MSS. were lent to outside institutions, 800 were issued to different scholars for work on the premises of the Institute and 3 MSS. were borrowed from outside institutions during the year.

### (b) Printed Books Section :

This Section has a collection of 18,097 books of the value of Rs. 1,79,000 approximately of which 737 books were purchased during the year, at the cost of Rs. 5,840.91 out of which Rs. 2,851.86 were spent for the purchase of books from the grant sanctioned by the University Grants Commission. During the year, 368 books were received as gifts and on exchange basis. The Library has open-helf system. 1,380 books were issued to students and 380 to teachers during the year. The Library is open to the public. On an average, 35 students and 21 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. Since the time when the Sanskrit Division was separated from the Baroda State Central Library and the Oriental Institute came into being, this Library of the Oriental Institute has been of great help to scholars and students of Ancient Indian Culture and Literature, besides being immensely helpful to and indispensable for the progress of research work carried on by the staff and the students of the Oriental Institute.

## 7. 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. During the year, five more volumes were in the press and twenty-nine new works and ten re-prints of works already published were under preparation. The following works were under print during the year :

- Vol. 127 Introduction to व्यवहारकांडः of the कृत्यकल्पतरुः by Shri K. V. Rangaswamy Aiyangar  
 Vol. 129 विष्णुधर्मोत्तर कांडः III. Vol. I (Text) edited by Dr. (Kumari) Priyabala Shah  
 Vol. 130 मानसोल्लासः Vol. III edited by Shri G. K. Shrigondekar  
 Vol. 131 भरतनाट्यशास्त्रः Vol. IV with commentary of Abhinavagupta, edited by Shri M. Ramkrishna Kavi  
 Vol. 128 संगीतचूडामणिः Edited by Shri Velankar Shastri. (Published in G. O. S. for Sangeet Natak Akadami, New Delhi)

The remaining four works selected by the Sangeet Natak Akadami were under preparation.

During the year, the following work was published :

- Vol. 36 भरतनाट्यशास्त्रः Vol. I with commentary of Abhinavagupta, second edition, revised and re-edited with introduction, appendices etc. by Pandit K. S. Ramaswami Shastri.

The publications in this series are sent to eminent scholars of Indology in India and abroad to research institutions all over the world.

The sale proceeds of the books in the series during the year came to Rs. 19,054.46

## 8. Translation Branch

This branch of the Institute carries on the publication work of books under series Nos. 3 to 9 mentioned in para 3 above. The following work was done during the year :

### 1 Shri Sayaji Sahityamala :

दक्षिण कैलासदर्शनः by Swami Pranavatirthaji, was published as No. 32 of the series

गुजरात—एक देशः by Shri S. B. Rajgor was in the stage of publication.

विज्ञानविनोदः by Shri P. G. Shah was in the stage of publication.

### 2 Matusri Jamnabai Smarak Granthamala :

गृहजीवनमां स्त्रीतुं स्थानः by Shrimati Sarojini Mehta was in the stage of publication as No. 3 of the series.

### 3 Shri Sayaji Gramavikasamala :

मुंबई राज्यमां केंद्रांक कृषिकेन्द्रोः by Shri M. S. Pandya was published as No. 24 of the Series.

वृद्धः by Shri M. S. Pandya was in the stage of publication.



आवादीना मार्गः by Shri K. M. Vyas was ready to be sent to the press.

4 *Shri Sayaji Balajnanamala* :

तरवानी कळा : by Dr. R. N. Mehta was ready to be sent to the press.

5 *Shri Sayajirao Gaekwad Honorarium Lectures* :

Lectures on 'The Treatment of Landscape in Eastern and Western Poetry' by Dr. C. P. Ramaswamy Aiyar were published.

Lectures on 'Some Technical Gas Re-actions of Industrial Importance' by Dr. J. C. Ghosh were in the stage of publication.

Lectures on 'भारतीय तत्त्वविद्या' by Pandit Sukhalalji were ready to be sent to the Press.

The sale proceeds of all these and the publications of this branch and of publications by late Professor B. K. Thakore came to Rs. 4,338.88 during the year.

9. **Ramayana Department**

The Department with the necessary staff of two Superintendents, 4 Ramayana Assistants, 1 Artist for Ramayana Pictures and 33 part-time workers continued the work for the Critical and Illustrated Edition of the Valmiki Ramayana.

A tentative Edition of the first *Kanda* of the Ramayana was printed and circulated amongst scholars for opinions. The constituted text of the Balakanda is being printed in the University Press and it is proposed to publish the first fascicule of some *Sargas* in December, 1957.

The collation of *Ayodhyakanda* was taken up after selection of 41 Ramayana MSS in different scripts. This work is nearing completion. Its editing has been entrusted to Dr. P. L. Vaidya, Poona (now Director, Mithila Research Institute, Darbhanga). The collation of *Aranyakanda* was taken up.

**Critical Apparatus Section :**

The first fascicule of the constituted text of the first *Sarga* of Balakanda was circulated amongst the members of the Editorial Board, Board of Referees and scholars in India and abroad. In the light of the opinions and suggestions of scholars on the 1st fascicule of the Balakanda some changes were adopted for the revision of the constituted text. 4 more Ramayana MSS were added for the Critical Apparatus.

The text of *Sargas* 1-25 was constituted and the text of further *sargas* is being constituted. Three formes of stanzas upto 1-2-17 were printed. The proofs of the 4th forme of stanza upto 1-3-19 are being revised and the forme 11 was in final stage. The press-copy of the 6th *Sarga* was also under revision and the readings etc. were being noted down.

The work of concordance of the four principal printed editions of the Ramayana and the Index of the Quarter verses of the Bombay edition were also under progress.

During the year, the Ramayana Artist working in the Faculty of Fine Arts had prepared two Ramayana pictures and they were sent to the Press for preparing blocks. Further pictures were under preparation.

A Facsimile of the oldest Newari MS. and Maithili MS. for the Critical Edition was prepared and got ready for block-making.

10. **Journal of the Oriental Institute**

The Institute publishes a Quarterly Journal. During the year, Vol. V No. 4 and Vol. VI Nos. 1, 2 and 3—in all four numbers were published. Many institutions and learned societies continued their exchange relations with the Journal. The number of subscribers to the Journal was 64 and the sale proceeds during the year came to Rs. 578-03.

11. **Publications by the members of the staff**

(I) *Articles or Papers :*

Name	Title	Where published
Shri G. H. Bhatt, Director	Editorial and Reviews	Journal of the Oriental Institute Vol. VI.
Dr. U. P. Shah, Dy. Director	(a) A Forgotten Chapter in the history of Svetambara Jain Church	Journal of the Asiatic Society of Bombay, Vol. XXX, No. 1
	(b) Review of 'Chaulu- kyas of Gujarat' by A. K. Majumdar	Journal of the Oriental Institute, Baroda, Vol. VI, Nos. 2-3
	(c) Some early sculp- tures from Abu and Bhinmal	Bulletin of the Baroda Museum, Vol. XII
	(d) More images of Jivantswami	Journal of Indian Museums, Vol. XI
	(e) A Note on Five copper plates from Dahanu District	Report of Director of Archives, Bombay State for 1955-56, pub- lished in 1957



Name	Title	Where published
	(f) King Haripala, the author of Sangita-sudhakara	Journal of the Gujarat Research Society, Bombay, Vol. XVIII, No. 4, October, 1956
	(g) मल्लिनाथनी एक महत्त्वनी प्रतिमा	जैन सत्यप्रकाश, नवेम्बर, १९५६
Shri J. S. Pade, Superintendent, MSS. Section	(a) Review of 'Pranava Bharati' by Pandit Omkarnatha Thakur	Journal of the Oriental Institute, Vol. V, No. 4
	(b) Review of 'Science in the Vedas' by Hansa Raj	Journal of the Oriental Institute, Vol. V, No. 4
Pandit M. R. Nambiar, Superintendent, G.O.S. Section	Numbering in Malabar MSS.	Journal of the Oriental Institute, Vol. VI, Nos. 2-3
Dr. Y. J. Tripathi, Translation Assistant	Review of Tirthanka of Kalyana, Gorakhpur	Journal of the Oriental Institute, Vol. VI, Nos. 2-3

## (2) Books :

Name	Title	Where published
Shri G. H. Bhatt, Director	(a) Critical Edition of Ramayana, Bala-kanda, 1st Fasc., Sarga 1	Oriental Institute, Baroda
	(b) Suddhadvaita-siddhantapradipa, 3rd revised edition	Vadilal N. Shah, Bombay
	(c) Sheth Todarmal Samal Bechar Memorial Vol.	Smt. Kamalaben Todarmal Samal Bechar, Baroda
Dr. U. P. Shah, Dy. Director	सुवर्णभूमि में कालकाचार्य	सन्मति प्रकाशन, No. 13, जैन संस्कृति संशोधन मंडल, बनारस
Shri J. S. Pade, Superintendent, MSS. Section	Tambulamanjari	Journal of the Oriental Institute, Vol. V. No. 4; and Vol. VI, Nos. 1, 2, 3
Pandit K. S. Ramaswami Shastri	Natyasastra Vol. I, 2nd revised GO-Series.	Oriental Institute, Baroda

## 12. Distinguished Visitors

The following were some of the distinguished visitors who visited the Institute :

Name	Date of the visit
1 Dr. John Matthai, Vice-Chancellor, University of Bombay, Bombay 1	13-10-1956



Dr. John Matthai, Vice-Chancellor, University of Bombay, in the Oriental Institute.



<i>Name</i>	<i>Date of the visit</i>
2 Dr. P. J. Philip and Shri H. S. Varma, Members of the Visiting Committee of the University Grants Commission	20-11-1956
3 Professor S. Eilenberg, University of Columbia, U. S. A., Visiting Professor of the Tata Institute of Fundamental Research Bombay	8-12-1956
4 Members of All-India Council for Secondary Education	22-12-1956
5 Dr. Richard F. Lambart, Fullbright Scholar, University of Pennsylvania, U. S. A.	10-1-1957
6 Dr. C. D. Deshmukh, Chairman, University Grants Commission, Government of India	15-2-1957
7 Dr. Walter Ruben, Professor of Anthropology German Akademi of Science, Berlin, E. Germany and member of the Board of Referees for the Critical Edition of the Ramayana, Oriental Institute, Baroda	15-2-1957
8 Shri Samuel Mathai, Secretary, University Grants Commission, New Delhi	20-2-1957
9 Pandit Sukhalalji Sanghavi, Ahmedabad	23-2-1957
10 Ramayana Ratnakara Shri T. Srinivasa Raghavacharya	25-3-1957
11 Dr. Suniti Kumar Chatterji, Chairman of the All-India Sanskrit Commission	22-4-1957
12 Dr. R. N. Dandekar, Secretary, Sanskrit Commission	22-4-1957
13 Dr. V. Raghavan, Professor of Sanskrit, University of Madras, Member, Sanskrit Commission	22-4-1957
14 Pandit Dr. Visvabandhu Shastri, Member, Sanskrit Commission	22-4-1957
15 Professor J. H. Dave, Bharatiya Vidhya Bhavan, Bombay, Member of the Sanskrit Commission	22-4-1957
16 Professor T.R.V. Murti, Professor of Indian Civilization and Culture, Banaras Hindu University, Member, Sanskrit Commission	22-4-1957

### 13. Department of Chronology of Gujarat

#### (a) *Compilation Work:*

A scheme of compilation of the Chronology of Gujarat from the earliest period to 1947 A.D. in three volumes in English and Gujarati (Devnagri Script) has been undertaken by the University. The manuscript of the first volume covering the period from the Pre-History of Gujarat to 942 A.D., the end of Chavda rule, was ready for the press and being scrutinised by an expert committee. A scheme of editing subsequent



volumes was prepared and compilation work was assigned to different scholars.

(b) *The General Editor published the following papers:*

<i>Title</i>	<i>Where published</i>
(a) 'Fragment of the Udyana Vihara Prasasti' (with estampage) discovered from Dholka, Ahmedabad, District	Annual Report of the Bombay Secretariat Record Office, 1955-56
(b) 'Post-Gupta Temple at Limkheda, Panchmahals' (Illustrated)	Annual Report of the Bombay Secretariat Record Office, 1955-56
(c) 'An Inscribed Metal Bell (dated Samvat 1318) from North Gujarat' now in the National Art Museum, New Delhi	Vijayadharmasuri Commemoration Volume
(d) 'Chatur Masakam' a Gujarati Seasonal Song by Siddhichandra Gani, who was honoured by Emperor Akbar with the title Khusha Faham (one having a striking memory)	Vijayadharmasuri Commemoration Volume.

## CHAPTER XVIII—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

### 1. Brief History

The School of Indian Music was first started in 1886 by the former government of Baroda. Later on it was designated as College of Indian Music. It was taken over by the University in 1949. At the time it offered a diploma course in vocal and instrumental music. The University introduced a four years course leading to the degree of B.Mus. in vocal and instrumental music from July, 1950. Degree and Diploma courses in Dance and Dramatics were started from June, 1951. The College was provided with a suitable independent building from June, 1952.

### 2. Building

The present building of the College of Indian Music, Dance and Dramatics at Sursagar was occupied by the College in June, 1952. The Gymnasium of the College was converted into an Open Air Theatre during the year.

### 3. 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, Bansari and Tabla), Dance (Bharat Natyam and Kathak) and Dramatics leading to the degree of Bachelor of Music
- (3) Two years' post-diploma course in Dancing
- (4) Five years' course in Vocal Music, Sitar, Dilruba, Violin, and Tabla leading to the Diploma in Music (Dip. Mus.).
- (5) Three years' courses leading to the Diploma in Dance (Dip. Dance) and Diploma in Dramatics (Dip. in Dramatics).
- (6) Three years' S. S. C. course in Vocal Music

### 4. Number of students

The number of students enrolled in the various classes at the commencement of the year 1956-57 was as under:



**Diploma Classes**

Class	Men	Women	Total
First year	244	68	312
Second year	81	43	124
Third year	48	27	75
Fourth year	40	12	52
Fifth year	21	7	28
Total	434	157	591

**Degree Classes**

First year	10	4	14
Second year	5	3	8
Third year	1	3	4
Fourth year (B.Mus.)	3	2	5
	2 non-collegiate	-	2
Fifth year (Jr. M.Mus.)	1	1	2
Sixth year (Sr. M.Mus.)	2	-	2
		3 non-collegiate	3
Total	24	16	40

**5. Staff**

During the year, the staff consisted of a Principal in the grade of a Reader, 1 Honorary Visiting Professor, 2 Honorary Visiting Lecturers, 3 Sr. Lecturers, 4 Jr. Lecturers, 4 Tutors, 19 Ustads (Teachers in Music, Dance, including Part-time Teachers, etc.), 7 Class III and 9 Class IV servants.

The following experts were invited to give lectures and demonstrations during the year :

S. No.	Name of the Lecturer	Date	Subject
1	2	3	4
1	Shri Revashanker Naik	28-7-1956	Dhrupad and Khyal Gayaki Demonstrations
2	Shri Yusuf Alikhan	28-8-1956	Sitar Recital
3	Shri E. Alkazi	6-9-1956	Approach to the Production of Merchant of Venice, Arena production of Shakespeare
		7-9-1956	
		8-9-1956	
		& 9-9-1956	
4	Shri B. R. Deodhar	20-9-1956	Principal Gharanas of North Indian Music
		21-9-1956	

S. No.	Name of the Lecturer	Date	Subject
1	2	3	4
5	Shri Natubhai Barot	16-11-1956	Puppet Dance
6	Shrimati Damayanti Joshi	19-11-1956	Interpretation of Kathak Dance
		20-11-1956	
7	Shri K. Vasudeo Shastri &	12-12-1956	Dance in Sanskrit Literature (Script)
		14-12-1956	
8	Shri Pradyot Desai	4-1-1957	Make up materials and their preparation
		5-1-1957	
9	Shri Pandharinath Nageskar	2-2-1957	Tabla Demonstration
10	Shri C. M. Shukla	25-2-1957	Greek and Roman Theatre and Drama Literature
		26-2-1957	
		27-2-1957	
11	Shri Narendra Shukla	15-2-1957	Dhrupad Dhamar Gayaki
12	Vaidya C. P. Desai	7-3-1957	(i) 'Chizas' in the Kirana Gharana
		8-3-1957	(ii) 'Gamaks' in Hindustani Music
13	Ustad Fazal Khan	9-3-1957	Tabla Demonstration

**6. Library and Reading Room**

The Library has been completely re-organised by classifying all books according to Library of Congress classification system. 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 :

1. Average number of students making use of the Library and Reading Room daily	32
2. Average number of teachers making use of the Library and Reading Room daily	27
3. Total number of books issued to students during the year	350
4. Total number of books issued to teachers during the year	525

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1956-57 :



Particulars	Number	Cost in Rs.
1. Books (including back numbers of Journals ) as on 1-7-1956	1,876	10,708.14
2. Books written off during the year	—	—
3. Books added during the year	884	6,400.45
4. Books as on 30-6-1957	2,760	17,108.59
5. Journals subscribed during the year	37	579.04
6. Amount spent on binding during the year	—	100.00
7. Total amount spent for Library and Reading Room during the year	—	7,079.49

#### 7. Museum, Laboratories, Studio, Workshops, etc.

The College has a small museum of ancient instruments of various types. It is also proposed to have a museum of old costumes. A Physics Laboratory has been established to teach the students the principles of sound and a part-time lecturer has been appointed for this work. The following table shows the cost of equipment in the sound laboratory:

S. No.	Item	Cost of equip- ment as on 1-7-1956	Cost of equip- ment etc. written off during the year	Cost of equip- ment etc. added during the year	Cost of equipment as on 30-6-1957
		Rs.		Rs.	Rs.
1.	Physics Laboratory	1,790.20	..	252.45	2,042.65

#### 8. Literary, Cultural and Other Activities

- (1) The programmes of Music, Dance and Dramatics were arranged by the students and the staff of the College during the whole year on Saturdays.
- (2) The students and the staff produced the following dramas with repeated performances :
  - (i) धृष्टपद
  - (ii) होहोलिका
  - (iii) भगवत्तज्जुकीयम्
  - (iv) Merchant of Venice, and
  - (v) आणलदे

- (3) The French Week was celebrated by this College with an exhibition of French Musicians and Music Festivals in France from

the 1st July, 1956 to the 8th July, 1956. There was a talk on 'Introduction to Leading French Musicians' (with recorded music). Four French films were also shown to the students and the staff on 5th July, 1956.

- (4) The College celebrated Pandit Bhatkhande and Pandit Vishnu Digamber Anniversaries on the 20th, the 21st and the 23rd September, 1956.
- (5) The College celebrated the Anniversary celebration of the late Khansaheb Faiyazkhan on the 25th January, 1957.
- (6) The Social Day of the College was celebrated on the 24th February, 1957. On that occasion a cultural programme was arranged.
- (7) In memory of the late Ustad Abdul Wahidkhan of Kirana, Principal R. C. Mehta presented a cultural programme of classical vocal music on the 16th March, 1957. Shrimati Hansa Mehta, the Vice-Chancellor of the University was the Chief Guest.
- (8) Shri Gaurishanker Kathak, an eminent artist of Jaipur Gharana gave in the College Play Box a programme of Kathak Dance on the 29th September, 1956.
- (9) The students and the staff of the college gave an entertainment programme to the Senate members and the invited guests on the 13th October, 1956; the Chief Guest was Dr. John Matthai, Vice-Chancellor, University of Bombay.

#### 9. Co-curricular Activities

- (1) The students of the College took part in the Drama Contest at the University Week during the year 1956-57 as a non-competition team.
- (2) The students and the staff of the college took part in the variety entertainment programme at the Sports Pavilion on the 2nd October, 1957 arranged by the University Students' Union.
- (3) An educational tour to Ahmedabad was arranged in the month of December, 1956 for the students of degree and the diploma courses.

#### 10. Tutorials and Class Work

As the majority of the subjects are of a practical nature, weekly tests were arranged in the class rooms. At the end of the month they



were recorded on the tape-recorder and played before the students and their defects and good points were discussed with them.

This method proved of great help to the students and checked many faulty developments. Besides this, fortnightly written tutorials were given regularly in the theory subjects and the students were given grades which were taken into consideration at the time of the annual test.

#### 11. Other important events

(1) The Vice Consul for France M. M. R. Hulew visited the College on the 5th July, 1956.

(2) The members of the Visiting Committee (Humanities) of the University Grants Commission visited the College on the 19th November, 1956.

(3) The members of the Indian Mathematical Conference visited the College on the 24th December, 1956.

(4) The delegates to the Regional Conference on General Education visited the College on the 7th February, 1957.

(5) Dr. C. D. Deshmukh, Chairman, University Grants Commission, visited the College on the 14th February, 1957.

(6) Shri Mulkraj Anand visited the College on the 2nd March, 1957.

(7) Dr. John Matthai, Vice-Chancellor, University of Bombay, visited the College on the 13th October, 1956.

(8) Under the auspices of the Music Committee, the students and the staff of the College performed the dramas अणुदे and होहोलिका at Keshod (Saurashtra) at the invitation of the Development Board, Saurashtra.

(9) Under the auspices of the Music Committee, the students and the staff of the College performed two dramas होहोलिका and वृंक्षपट at Anand, in aid of Kutch Famine Relief Fund at the invitation of the Commerce College, Vallabh Vidyanagar.

(10) Principal R. C. Mehta was invited to participate in the Seminar on Indian Music, arranged by the Sāngit Natak Akadami in April, 1957. At the Seminar, Principal R. C. Mehta read a paper on 'Trends in Classical Music'.

(11) Kumari Pratibha Pandit and Kumari Urmila Kshatriya, students of the College, were awarded Government of India Cultural Scholarships of the value of Rs. 250 p.m. for further studies in Bharat Natyam and Dramatics respectively.

## CHAPTER XIX—BARODA SANSKRIT MAHAVIDYALAYA

### 1. Brief History

The institution was established by the former Baroda Government in 1915. With the passing of the Maharaja Sayajirao University of Baroda Act it became a constituent recognised institution of the University but its management continued with the Government. The University took over the management of the institution from the Government on the 18th June, 1951.

### 2. Building and Hostel

The institution continued to be housed in the building called 'Temple of Radhavallabh' which belongs to the Devasthan Department, on a monthly rent of Rs. 70. It has a hostel in a hired building to accommodate 15 students. Number of students in the hostel during the year was 10.

### 3. Courses of Studies

The institution offers courses in three stages as under :

(1) 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 Degree Course) extending over the last two years in the subjects of (i) Vyakarana Shastra, (ii) Jyotish Shastra, (iii) Dharma Shastra, (iv) Sahitya Shastra, (v) Nyaya and Vaisheshik Darshan, (vi) Samkhya Yoga and Vedant Darshan, and (vii) Purva Mimansa Shastra.

Only first four branches worked during the year.

(2) Madhyama Kaksha or Diploma Course of five years' duration leads to the Diploma of 'Visharada' in each of the two branches of (i) Grammar and Literature and (ii) Astrology and Astronomy with English upto the S.S.C. standard compulsory for both the branches.

(3) Prathama Kaksha or Certificate Course is of three years' duration in each of the branches of (i) Yajurveda Yajniki, (ii) Rugveda Yajniki and (iii) Purana with Grammar and Literature compulsory for all branches.



## 4. 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
<i>Uttama Kaksha (Special Pandit Course)</i>					
Vyakarana Shastra	Acharya	II Year	1	—	1
	Acharya	I Year	—	—	—
	Shastri	II Year	2	—	2
	Shastri	I Year	1	—	1
Jyotish Shastra	Acharya	II Year	—	—	—
	Acharya	I Year	—	—	—
	Shastri	II Year	—	—	—
	Shastri	I Year	1	—	1
Dharma Shastra	Acharya	II Year	—	—	—
	Acharya	I Year	—	—	—
	Shastri	II Year	2	—	2
	Shastri	I Year	1	—	1
Sahitya Shastra	Acharya	II Year	1	—	1
	Acharya	I Year	1	—	1
	Shastri	II Year	1	—	1
	Shastri	I Year	1	—	1
<i>Madhyama Kaksha (Visharad Diploma Course)</i>					
Vyakarana Shastra	V Year	—	—	—	—
	IV Year	3	—	3	3
	III Year	1	—	1	1
	II Year	3	—	3	3
	I Year	7	—	7	7
Jyotish Shastra	V Year	—	—	—	—
	IV Year	—	—	—	—
	III Year	3	—	3	3
	II Year	2	—	2	2
	I Year	5	—	5	5
<i>Prathama Kaksha (Certificate Courses)</i>					
	III Year	13	—	13	13
	II Year	14	—	14	14
	I Year	15	—	15	15
Grand Total			78	—	78

## 5. Staff

During the year, the staff of the institution consisted of the Principal, 12 Adhyapakas, 2 Class III and 4 Class IV servants.

## 6. Library and Reading Room

(1) The institution has a small library for the use of the members of the staff and a reading room.

(2) The following are the figures showing average daily attendance in reading room and circulation of books :

S. No.	Particulars	Number
1	Average number of students making use of the Reading Room daily	40
2	Average number of teachers making use of the Library and the Reading Room daily	10
3	Total number of books issued to teachers during the year	200

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 1-7-1956	2,812	8,366.83
2	Books written off during the year	—	—
3	Books added during the year	187	616.12
4	Books as on 30-6-1957	2,999	8,982.95
5	Journals subscribed during the year	12	81.86
6	Amount spent on binding during the year	31	66.37
7	Total amount spent for the Library and the Reading Room during the year	—	764.35

## 7. Publications by the members of the staff

Shri K. C. Shukla, Uttam Kaksha Vyakaran Adhyapak edited and published a work called 'Trivenika' by Ashadhar Bhatt of Gujarat with a critical and exhaustive introduction.



### 8. Literary, Cultural and Other Activities

(1) *Lectures*: Under the auspices of Sharadopasak Mandal the following extension lectures were arranged during the year:

S. No.	Subject	Date	Lecturer
<b>Ist Term</b>			
( i )	श्रीमद् भागवतनो तात्त्विक विचार, स्कंध-२	14-7-1956	Shri H. C. Mehta, Principal
( ii )	गीतामां यज्ञविचार	4-8-1956	Shri M. R. Shastri, Sanskrit Adhyapaka
( iii )	संध्योपासना रहस्य	25-8-1956	Shri J. B. Shukla, Yajurveda Yajniki Adhyapaka
( iv )	चातुर्वर्ण्य	22-9-1956	Shri D. A. Rakhe, Rigveda Yajniki Adhyapaka
( v )	भारतीय युद्धशास्त्रम्	1-10-1956	Shri L. G. Shukla, Yajurveda Yajniki Adhyapaka

### IIInd Term

( vi )	श्री नागेश आपटे	24-11-1956	Shri N. M. Pandya, Vyakaran Adhyapaka
( vii )	महाकवि माधव	1-12-1956	Shri D. K. Velankar, Vyakaran Adhyapaka
( viii )	गीतामां भक्तियोग	12-1-1957	Shri N. C. Desai, English Adhyapaka
( ix )	अलंकारमुपमाविवर्तनम्	9-2-1957	Shri K. C. Shukla, Vyakaran Adhyapaka
( x )	वेदमें साहित्यशास्त्र	23-2-1957	Shri S. V. Bhattbhatt, Dharmashastra Adhyapaka
( xi )	प्रश्नविचार	9-3-1957	Shri J. R. Joshi, Jyotish Adhyapaka
( xii )	ज्योतिषना अभ्यासनी जरूर	13-4-1957	Shri M. C. Jani, Jyotish Adhyapaka

(2) The institution celebrated 'Vyas Jayanti' on 11-7-1956 under the presidentship of Principal Shri H. C. Mehta, 'Kalidas Jayanti' on 13-11-1956 under the presidentship of Vidya Sudha Nidhi Shri Badrinath Shastri of Baroda and 'Valmiki Jayanti' on 19-4-1957 under the presidentship of Shrimati Hansa Mehta, the Vice-Chancellor of the University.

(3) A parliamentary debate was held in Sanskrit on the subject of 'Whether the aim of Indian education is spiritual' in the Sharadotsava

celebrated under the auspices of the Sharadopasak Mandal of the institution in the month of October, 1956 under the presidentship of Shri L. B. Shastri, the retired Principal of the Rajakiya Sanskrit Mahavidyalaya, Baroda.

(4) The 9th Act of Mricchakatika, a Sanskrit drama by the poet Shudraka and 'Bekar' a one act play in Gujarati were staged by the students of the Baroda Sanskrit Mahavidyalaya as a part of the prize distribution ceremony on the 26th February, 1957.

(5) During the year, Shri H. C. Mehta, Principal of the Mahavidyalaya delivered lectures as mentioned below:

S. No.	Subject	Date	Place	Organising Body
1	Suddha-dwaita	12-8-1956	Baroda	Sheth T.C.S. Shuddha-dwait Sewa Samaj
2	Activities of Baroda in the field of Sanskrit learning	12-1-1957	Kurukshetra	Sanskrit Vishwa Parishad
3	'Valmiki' on Valmiki day	8-4-1957	Baroda	Joint organisation of Sanskrit Mahavidyalaya, Oriental Institute and Sanskrit Vidvat-sabha

### 9. 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 Sharadopasak Mandal on the 10th, the 11th, and the 13th October, 1956.

(3) An elocution competition was held in the institution during the Sharadotsava. A silver medal called 'Dwarka Sharda Pitha Sanskrit Vakrutva Padak' was awarded to Shri Pradyumnakumar B. Shukla, a student of Uttam Kaksha Shastri II Year, for standing first among the student competitors of the Baroda Sanskrit Mahavidyalaya.

(4) 'Dwarka Sharada Pith Sanskrit Vedant Padak' was awarded to Shri B. M. Acharya, a student of the Final Year of the Visharad course and 'Dwarka Sharda Pith Sanskrit Sadachara Padak' was awarded to Shri



P. M. Upadhyaya, a student of the III year of the Visharad course as per conditions laid down for the awards.

(5) Tours: Students of the Shastri and Acharya Courses of the institution went on educational tour to Delhi, Kurukshetra and Haridwar. In Kurukshetra the students attended the session of the Sanskrit Vishwa Parishad on the 11th, the 12th and the 13th January, 1957. A batch of 25 students of the various courses of the institution went on an excursion to Pavagadh and Shivrajpur mines on the 24th and the 25th November, 1956.

#### 10. Other Important Events

(1) Members of the Sanskrit Commission visited the Institution.

(2) A Kavi Sammelan was organised during the Sharadotsava under the auspices of the Sharadopasak Mandal on the 12th October, 1956 under the presidentship of Shri Nagardas M. Pathak, Senior Vaidya, Sheth U.P.A.R. Unit, Baroda.

(3) Donation of Rs. 501 was received from Shri Ambalal Har-govindas Gandhi for the purpose of giving away free text books.

#### *Higher Post-graduate degree of Vachaspati*

(4) The University instituted a research degree of 'Vachaspati' after the degree of 'Acharya'.

(5) Hindi Sahitya Sammelana (Hindi Vishwavidyalaya) Prayaga decided to consider Shastries and Acharyas of this University as qualified to appear at its Sahitya Ratna examination.

(6) The University decided that the students of the Sanskrit Mahavidyalaya, who have passed the Shastri Examination from the Baroda Sanskrit Mahavidyalaya, be considered eligible for admission to the 1st year of the B.A. degree course provided they have passed the S. S. C. Examination as required under Ordinance 167A.

#### 11. 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 Umashankar Upadhyaya, Adhyapaka, Sanskrit Mahavidyalaya, Bhartiya Vidyabhavan, Bombay.	21-7-1956
2	Shri Suresh Zhal, Vyakaran Sahitya Acharya, Tarka Tirtha, Sahitya Ratna. Adhyapak, Shiv Gunja Vidyalaya, Shirohi.	8-8-1956

S.No.	Name and Designation	Date
3	Shri Krishnamani Tripathi, Vyakaran Sahitya, Sankhya Yoga Puran Vedantacharya. M.A. Sahitya Ratna, Prof. Uttariya Mahila Inter College, Banaras.	8-8-1955
4	Shri S. D. Satawalekarji, Director, Killa Pardi Swadhyaya Mandal, Surat.	17-9-1959
5	Dr. Walter Ruben, Professor of Anthropology, German Academy of Sciences, Berlin.	15-2-1957
6	Shri D. B. Jani, Vice President of the Brihat Gujarat Sanskrit Parishad.	18-2-1957



## CHAPTER XX—INTERMEDIATE COLLEGE

### 1. Brief History

The College was started by the University from June, 1950.

### 2. Buildings

During the year 1956-57 the Intermediate College continued holding its classes in the rooms of the Faculties of Arts and Commerce. The Intermediate Arts Class was divided into two groups A & B in subjects like English, Logic, World History and Politics where the total strength of the undivided class was likely to be more than 100. For other subjects, where the numbers of students were small, the classes was not divided.

### 3. Courses of Studies

The College offers courses leading to Preparatory Arts and Intermediate Arts as well as Preparatory Commerce and Intermediate Commerce Examinations.

The year under report was the second year after the introduction of Preparatory Courses in Arts, Commerce and Science. As the students joining the Preparatory classes were not well up in English and Hindi, the classes were divided into small groups of about 60 each for more intensive teaching of these subjects. Each group was in charge of a teacher who was able to teach more effectively and efficiently than it is possible in a big class of more than 100 students. This also enabled the teacher to know the students in his group more intimately.

#### *Medium*

As the students joining the Preparatory Courses were likely to have studied English for four years only in the schools, the University allowed the students of the Preparatory Arts and Commerce Courses to answer their examination papers in English, Gujarati or Hindi. Teachers were instructed to lecture in any of these languages to make the subject properly understood by the students. In lecturing to the classes the teachers followed these instructions very scrupulously. One of the Preparatory Arts and Commerce divisions contained only Gujarati-knowing students and in these classes the teachers generally lectured in Gujarati while in other divisions, where students speaking different languages were included, the teachers used to lecture partly in Hindi and partly in English. The stu-

dents wrote their tutorials and the terminal examination papers in one of the three languages mentioned above. The teachers, however, maintained a uniform standard of marking the answers written in different languages.

### 4. Number of students

The number of students enrolled in different classes at the commencement of the year 1956-57 was as under :

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Preparatory Course in Arts 'A'	113	43	156
Preparatory Course in Arts 'B'	82	78	160
Intermediate Arts 'A'	64	42	106
Intermediate Arts 'B'	89	39	128
Preparatory Course in Commerce 'A'	157	—	157
Preparatory Course in Commerce 'B'	111	1	112
Intermediate Commerce	142	—	142
	<hr/> 758	<hr/> 203	<hr/> 961

### 5. 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.

### 6. Library and Reading Room

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 1-30 p.m. on all working days. Certain days in a week were allotted to different classes for issuing books from the Library owing to the small space available. A very large number of students borrowed books from the Library. The Principal used to go to the Library from time to time and recommend books of general interest. A large number of the students of the College were members of the University Library and regularly borrowed books from there also.

The Reading Room was maintained out of the College Association 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. A room adjacent to the Reading Room was provided for women students as their Reading Room.



## 7. Co-curricular Activities

### (1) Auxiliary Cadet Corps:

A. C. C. training is compulsory for all students of the College. The men 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 city area had these activities thrice a week on the same ground in the mornings, while women students staying in the University Halls of Residence and the area near the station had their A. C. C. activities in the evening thrice a week on the ground of the Faculty of Home Science. In addition to drills and callisthenics, the cadets played Volley Ball, Basket Ball and Indian team games.

Many students of the College participated in the work of digging and levelling the open auditorium in front of the stage of the Open-Air Theatre in the Faculty of Education and Psychology.

### (2) National Cadet Corps:

The students of the College joined the N. C. C. in large numbers. Out of 470 cadets in the N. C. C. about 90 students were from the Intermediate College. A majority of these students joined the annual N. C. C. Camp at Nasik. Similarly 25 women students of the College joined the N. C. C. Girls' Troop and they attended the annual camp held at Khadakvasala during December, 1956.

### (3) Games:

The College students took a very keen interest in major games like Cricket, Foot Ball, Hockey, Badminton etc. during the year. They also took a prominent part in athletics and indoor games. The College Association organized tournaments in Badminton, Table-Tennis and Carrom. In the Relay Race Competition held during the University Week, the College won the championship. The College also won the championship in the University Chess Tournaments. Several of the College students were included in the University Team for Inter-University Cricket Tournament held in Baroda.

### (4) The College Students' Representative Council:

The College Students' Representative Council was extremely helpful throughout the year and there were most cordial relations between the students and the teachers. The difficulties of the students were removed as far as possible.

### (5) The Debating Society:

The Debating Society organized two debates, one of which was an extempore speeches competition. A large number of students participated in them and prizes were awarded to the best speakers. The College participated in the several debates organized by the University Union. The College won the second prize in the Wadia Trophy Debate and in the Majmundar Trophy Hindi Debate. Shri C. D. Amin who won the second prize in the Hindi Debate represented the M. S. University of Baroda at the All-India Hindi Trophy Competition held by A.I.R.

### (6) Other Societies:

The following Associations functioned during the year:

- (a) Gujarati Sahitya Sangh
- (b) Commerce Society
- (c) Geography Association
- (d) Dramatic Society
- (e) Poor Boys' Library Committee
- (f) College Magazine Committee
- (g) Students' Association

## 8. Tutorials and Class Work

The Tutorial system worked very satisfactorily during the year. The newly admitted students were explained the importance of the tutorials. It was found that the students realized their value because they prepared at home for the tutorials and attended them regularly. 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. This prevented any cramming on the part of students and thus the tutorials tended to become a real test. The Terminal Examination was considered as an additional tutorial. The themes of the tutorials were given by the teachers to the tutors who examined the tutorials, prepared the record of the marks and found the average marks in their subjects for submission to the University at the end of the year. To enable the tutors to maintain a proper standard, the teacher in charge of a subject examined about 10% of the tutorial exercises. The tutors called the students in batches and explained their mistakes and solved their difficulties. At the end of the year the tutorials records were shown to the students.



## CHAPTER XXI—UNIVERSITY LIBRARY

### 1. Acquisition Notes

#### (i) Books :

The Library received a grant of \$ 5,000.00 from India Wheat Loan Educational Exchange Programme during the year. This grant was specially given for books on Science and Technology. The orders for these books were placed and some books have been already received.

The Library received a grant of Rs. 20,000 from the University as usual and it has been fully utilized.

The Library also received a grant of Rs. 40,000 for books and back volumes of periodicals in Science and Technology and Rs. 50,000 for the books and back volumes of periodicals in Humanities from the University Grants Commission. Both these grants have been fully utilized.

There have been some noteworthy acquisitions during the year, viz: a latest set of Encyclopaedia Britannica, 24 Vols.; Encyclopaedia of Labour Laws and Industrial Legislation, 5 Vols.; Historians' History of the World, 27 Vols.; Thorpes Dictionary of Applied Chemistry, 12 Vols.; Cambridge Modern History, 13 Vols.; Unrepealed Central Acts of the Government of India, 10 Vols.; Flora of British India, 7 Vols.

The University Library and libraries of the institutions were lacking in some volumes of scholarly periodicals. To fill this gap back volumes of some valuable periodicals have been acquired, viz. as follows: Advances of Enzymology and related subjects of Biochemistry, 15 Vols.; Annual Review of Biochemistry, 24 Vols.; Annual Review of Microbiology, 10 Vols.; Journal of Organic Chemistry, 16 Vols.; Econometrica, 22 Vols.; Journal of Oriental Society, 76 Vols.; Journal of Politics, 15 Vols.; Political Science Quarterly, Vol. 25-69; Proceedings of American Society for testing Materials, Vol. 33-48; Transactions of American Society of Civil Engineers, Vol. 97-113; Transactions of American Institute of Electrical Engineers, Vol. 52-73; Science, Vol. 14-124; Proceedings of the Royal Society, Series A, Vol. 192-218.

From the current year the purchase of books for the University Library and the libraries of the institutions is centralized and this work is

done at the University Library. The numbers of acquisitions for the various institutions are as follows:

	Number of books
Faculty of Arts	1174
Faculty of Science	557
Faculty of Commerce	202
Faculty of Education and Psychology	251
Faculty of Fine Arts	383
Faculty of Home Science	637
Faculty of Social Work	252
Faculty of Technology and Engineering	1,121
College of Indian Music, Dance and Dramatics	854
Intermediate College	163
	<hr/>
	5,594
University Library	6,916
	<hr/>
	12,510

Out of these acquisitions of books, 6,365 books were acquired from the University grant for the libraries of the University; 278 books from the India Wheat Loan grant and 4,912 books from the grants received from University Grants Commission; 292 books were received as a gift from Asia Foundation, New York, and 26 books were received as gift from the Vice-Chancellor.

The following statement gives an idea of book acquisitions of the University Library during the year:

	Books	Bound Periodicals	Pamphlets	Manuscripts	Maps, Charts etc.	Total value in Rs.
Number at the beginning of the year	44,828	1,307	1,782	1	259	6,06,937.59
Number added during the year	6,916	460	724	2	18	1,06,296.28
Number withdrawn from records	Nil	Nil	Nil	Nil	Nil	Nil
Total number at the end of the year	51,744	1,767	2,506	3	277	7,13,233.87



Under the India Wheat Loan Educational Exchange Programme, the University Library has acquired a Tape-recorder for maintaining the records of research into the linguistics, folk-lore and fine-arts in the University. A microfilm reader has also been acquired to facilitate the use of microfilms in the University Library.

(ii) *Periodicals:*

The total number of periodicals and scholarly journals subscribed for now stands at 511. The Library decided upon the policy of getting the scholarly periodicals bound and accordingly 460 volumes of bound periodicals were added. The compilation of a catalogue of the holding of the bound periodicals is going on.

## 2. Cataloguing and Classification Section

(a) There was an arrear in classification of about 10,000 books at the end of last year. This work, plus the work of classification and cataloguing of 15,273 books newly acquired in the University Library and Faculty Libraries, was undertaken during the year with the help of the temporary staff appointed for the purpose. All the work, except classification and cataloguing of about 10,000 books from new acquisitions has been finished.

The details of the work are as follows:—

Total number of books to be classified in 1956-57	25,273
Total number of books to be catalogued in 1956-57	15,273
Total number of books catalogued in 1956-57	15,000
Total number of books classified in 1956-57	15,000
Number of books to be classified and catalogued	10,273

(b) The cataloguing and reclassification of 87,211 books was finished in 1955-56. The work of typing of the catalogue cards, filing of index cards in the catalogues and labelling and shelving of these books as well as of the new books was undertaken during the year with the help of temporary staff, specially appointed for this purpose. All the work except shelving of about 10,000 unaccessioned books from the Faculty of Arts has been finished according to the time schedule. The details of the work are as follows:—

Total number of catalogue cards typed in 1956-57	4,08,844
Total number of catalogue cards filed in 1956-57	3,98,844
Total number of books labelled and shelved in 1956-57	15,000

(c) Separate Name and Subject Catalogues, along with the subject index to the Subject Catalogue, were handed over to five Faculty Libraries of the Faculty of Technology, Fine Arts, Music College, Home Science and Social Work. In addition to this, Union Catalogue showing the resources of these libraries, is kept in the University Library. For Libraries of Faculty of Education and Psychology, Intermediate College, Commerce, Arts, which are merged with the University Library, a separate Name and Subject, Catalogue along with the Subject Index is kept in the University Library.

## 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	40
2	Post-graduate students	162
3	Under-graduate students	1,326
4	University teachers	80
5	Others	60
Total :		1,668

The statistics of average daily attendance and circulation of books were as under :

1	Average number of readers visiting the Reading Room.	130
2	Average number of books issued per day	102
3	Total number of visits to the Reading Room during the year.	31,268
4	Total number of books issued during the year	26,030
5	Total number of books issued for reference	6,352

The Library is maintaining a vertical file of important pamphlets received.



#### 4. Teaching of Library Science

A Department of Library Science has been instituted from the 1st July, 1956 and the graduate employees working in the libraries of the University were given preference in admission to the course for Diploma in Library Science. Eleven employees were admitted to the course and they all have successfully completed the course.

#### 5. Personnel

The reclassification and calaloguing of the libraries of the Faculties of Arts, Science, Commerce, Education and Psychology and the Intermediate College was completed. The reclassification and cataloguing of other Faculties had to be done and an amount of Rs. 32,240 was sanctioned to complete this operation.

#### 6. Building

The ground floor of the new building was ready for occupation and the Libraries of the Faculties of Arts, Science, Commerce, Education and Psychology and the Intermediate College have been brought there and are integrated. M/S. Office Equipment Co. of India who are making steel racks for the Library have put up an improvised assembly and paint shop on the premises and the steel racks are being delivered in instalments. The design of the furniture for the new building has been finished in consultation with Professor M. B. Dave, the Architect, and the orders are placed with the Kalabhavan Workshops. The work of electric installation is going on. It is anticipated that the whole building would be ready for occupation by December 1957.

#### 7. Other Important Events

The Diploma in Library Science Class was inaugurated by the Vice-Chancellor on the 2nd July, 1956. As already mentioned, eleven graduate employees were admitted and all of them have come out successfully.

Dr. C. D. Deshmukh, Chairman, University Grants Commission, visited the University Library on the 14th February, 1957.

The University Librarian, Dr. C. P. Shukla, was invited to participate in the Symposium on 'American Arts and Letters' jointly conducted under the auspices of the Bombay University and the United States Information Service.

### CHAPTER XXII—THE M. S. UNIVERSITY OF BARODA PRESS (SADHANA PRESS)

#### 1. Building

Since the date of its purchase *viz*: the 18th May, 1953, the University Press is housed in a rented building in Raopura, Baroda. The present premises are too congested. Plans of a new press building are approved by the Syndicate and it is proposed to construct it in the premises of the Old Kalabhavan hostel on the South of the Faculty of Technology and Engineering.

#### 2. Staff

During the year, the staff of the Press consisted of a Manager, Assistant Manager, Accounts clerk and Proof-reader. There were 32 permanent press workers. Additional workers were employed on daily wages when required.

#### 3. Machinery

Due to the expansion of the publishing activity of the University, purchase of a monotype machine with English and Gujarati matrices was sanctioned but due to import licence difficulty the arrangement for import could not materialize and installation of the same was delayed.

#### 4. Printing Activities

The press printed 100 papers for October, 1956 University examinations and 455 papers for March-April, 1957 University examinations. Besides, it printed for the University, Syndicate and Senate proceedings, annual report, annual accounts, budget, establishment list, pamphlets, University certificates, sundry printed stationery and general forms. Faculties and Institutions were also supplied with their requirements of forms and printed stationery. Over and above this, prospectuses, questionnaires and magazines of the Faculties and Institutions were printed during the year.

(a) The following books were completed for publications during the year:

आपणी कवित्तसमृद्धि (Guj. Dept.)  
नलाख्यान ( " " )  
निरुत्तमा ( " " )  
Personality of India ( Archaeology Dept. )



रंगभूमिनो इतिहास ( College of Indian Music, Dance and Dramatics )  
गुर्जरसावलि ( G. O. S. )

Natyashastra Vol. I ( G. O. S. )

Introduction to Vyavaharakanda ( G. O. S. )

Lectures ' Treatment of Landscape in Eastern and Western  
Poetry ' ( Shri Sayajirao Gaekwad Honorary Lectures )

Approach to Reality ( Research Series )

Naishadhiyacharitam ( Research Series )

कृषिकेन्द्रो ( Gramvikas Mala Series )

Newsletter Bulletin ( Extension Dept. )

तारा अने विश्व ( Extension Dept. )

Books for class libraries for Secondary Schools

( Extension Dept. )

Report of Conference of Training Colleges in West Zone

( Extension Dept. )

Technique of correlation in Basic Education ( Studies in Edu.  
& Psy. )

Reliability of Ratings ( Studies in Edu. & Psy. )

Survey of Muslim Education in Middle Ages ( Studies in Edu.  
& Psy. )

( b ) The following Journals were printed during the year :

The Journal of the M. S. University of Baroda ( Half Yearly )

The Journal of Oriental Institute ( Quarterly )

The Journal of Vocational and Educational Guidance  
( Quarterly )

The Journal of Animal Morphology and Physiology  
( Half Yearly )

The Journal of Education and Psychology ( Quarterly )

( c ) The following works are in progress :

Ramayan Critical edition—Balakanda 24 pages

Natyashastra Vol. IV 24 pages

Vishnudharmottara 152 pages

Manasollasa 96 pages

Sangeetchudamani 32 pages

गृहजीवनमां स्त्रीतुं स्थान 176 pages

गुजरात—एक दर्शन 48 pages

Some Aspects of Technical Gas Reactions 32 pages

Mirat-I-Sikandari 256 pages

Selection of Baroda State Record 8 pages

Bharat Natya and other Dances of Tamilnad 80 pages

Dakshin Kailash Darshan 304 pages

## 5. Stationery Section

The Press also managed the purchases and distributions of stationery required for the use of the University during the year. A special staff of one clerk, one attender and one distributor was provided for the work of purchase and distribution. Ordinarily stationery was distributed to the institutions and departments every quarter on the basis of quarterly indents collected. About 172 items of stationery were handled by the stationery section. This section is a service department of the University and service charges are recovered over and above the actual cost of materials.



## CHAPTER XXIII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

### 1. Executive Committee

When the academic year 1956-57 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, 1956 and the following Executive Committee was formed :

1	Shri C. M. Shukla	President
2	Shrimati Indiraben Bhanot	Treasurer
3	Shri R. M. Patel	Vice-President
4	Shri Bipin C. Patel	General Secretary
5	Shri Jitendra S. Amin	Joint Secretary
6	Shri J. G. Patel	Secretary, Indoor Games
7	Shri R. M. Shah	Secretary, Debating Society
8	Shri C. D. Amin	Secretary, Reading Room and Library
9	Shri R. D. Shah	Member, Nominated by the Syndicate
10	Kumari M. D. Patel	Member, Nominated by the Syndicate
11	Kumari Pratibha Pandit	Member, Nominated by the Syndicate
12	Kumari Veena Desai	Member, Nominated by the Syndicate
13	Shri T. N. Sheth	Representative, Faculty of Arts
14	Shri S. M. Parikh	Representative, Faculty of Commerce
15	Shri A. M. Patel	Representative, Intermediate College
16	Shri Bhargav Mehta	Representative, Intermediate College
17	Shri M. A. Patel	Representative, Faculty of Science
18	Shri P. M. Patel	Representative, Faculty of Science
19	Shri B. R. Patel	Representative, Faculty of Education and Psychology
20	Shri T. J. De'Souza	Representative, Faculty of Medicine
21	Shri Trilok Kaul	Representative, Faculty of Fine Arts
22	Kumari P. Jasawala	Representative, Faculty of Home Science
23	Shri S. H. Patel	Representative, Faculty of Social Work
24	Shri P. S. Patel	Representative, Faculty of Technology and Engineering

25 Shri J. G. Desai

Representative, Faculty of Technology and Engineering

26 Shri A. C. Banker

Representative, Faculty of Technology and Engineering

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 J. G. Patel
- (2) Shri T. J. De'Souza

*Students' Welfare Board :*

- (1) Shri Bipin C. Patel
- (2) Shri P. S. Patel
- (3) Shri C. D. Amin

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) Public Lectures and National Day Celebrations Committee
- (2) Debating Society
- (3) Indoor Games Committee
- (4) Reading Room and Library Committee
- (5) Variety Entertainment Committee
- (6) Social Service League
- (7) U.N.O. Society
- (8) Poor Boys' Library Committee
- (9) Union Co-operative Committee
- (10) Hiking Club
- (11) Film Club
- (12) Bulletin Committee
- (13) Discussion Group

### 2. Sub-Committees and their activities

(1) *Public Lectures and National Day Celebrations Committee :*

The Committee celebrated the following National Days and the following lectures were arranged :

(i) *National day :*

S. No.	Day and Date	Particulars	President
1	Wednesday 15-8-1956	Independence Day	Shri C. M. Shukla



S. No.	Day and Date	Particulars	President
2	Tuesday 2-10-1956	Gandhi Jayanti Day	Shrimati Hansa Mehta, Vice-Chancellor
3	Saturday 26-1-1957	Republic Day	Shrimati Hansa Mehta, Vice-Chancellor
(ii) Lectures:			
<b>Seminar on Leadership</b>			
1	Sunday 23-9-1956	1 Inauguration by the Vice-Chancellor 2 'Democratic Way of Life' Shri R. M. Desai, Collector, Baroda 3 'Leadership'—Shrimati Perviz Bhatt 4 Discussion	Shrimati Hansa Mehta, Vice-Chancellor
2	Sunday 30-9-1956	1 'Planning and administration'—Shri R. D. Shah, Assistant Income Tax Commissioner 2 'Conducting Meetings and Conferences'—Shri G. C. Basu, Chief Accountant, The Bank of Baroda 3 Discussion	Shrimati Hansa Mehta, Vice-Chancellor
3	Tuesday 2-10-1956	1 'Group Dynamics'—Shri Iswar Dayal, Alembic Chemical Works 2 'Morale'—Shri Saryuprasad Mehta, D.S.P. 3 Discussion	Shrimati Hansa Mehta, Vice-Chancellor
4	Sunday 7-10-1956	1 'A brief summary of the Seminar'—Shri Pereira 2 Final Discussion 3 Concluding Remarks by the Vice-Chancellor	Shrimati Hansa Mehta, Vice-Chancellor
5	Monday 10-12-1956	Inauguration of the 7th University Week	H. H. Maharaja Fatehsinhrao Gaekwad, Chancellor

S. No.	Day and Date	Particulars	President
6	Saturday 16-12-1956	Prize Distribution by Dr. Jivraj Mehta, Finance Minister, Government of Bombay	Shrimati Hansa Mehta, Vice-Chancellor
7	Friday 15-2-1957	Dr. C. D. Deshmukh, Chairman, University Grants Commission, addressed students and staff members	Shrimati Hansa Mehta, Vice-Chancellor
8	Sunday 24-2-1957	Shri Ravishankar Maharaj—A distinguished and well-known Bhudan Worker of Gujarat, addressed the students and staff members on Bhudan activity	Shrimati Indiraben Bhanot

Almost all the functions, lectures, etc. organised by the Committee were well attended and appreciated by the students and members of the staff of the University.

#### (2) Debating Society:

The Debating Society of the Union was very active throughout the year. It organised a good number of debates during the year. Our students also participated in various Inter-University Debates. It is a matter of great pleasure for the Debating Society that two Inter-Faculty Debating Competition Trophies were donated to it. The Pro-Vice-Chancellor, Dr. C. S. Patel, donated a Pro-Vice-Chancellor's Trophy for an Annual Gujarati Debate and Shri D. B. Majmudar donated 'B. N. Majmudar Trophy' for an Annual Hindi Debating Competition. The Debating Society opened its new session with the Vice-Chancellor Trophy Debate in English which was held on the 19th September, 1956. Shrimati Hansa Mehta, Vice-Chancellor, presided over the Debate which lasted for more than two hours. The subject for the debate was 'In this University than two hours. The subject for the debate was 'In this University Lady Students be admitted only to Home Science Faculty'. Shri Gopinath Menon won the Vice-Chancellor's Trophy. Shri Romy Mistry was awarded the second prize, while Kumari Anila Chhaya won the third prize. The Debate was attended by more than a thousand students.

A selection Debate in Hindi for Non-Hindi Speaking students was arranged on the 24th September, 1956 under the Chairmanship of Shri



C. M. Shukla to select a team of two students to represent the University at the Third Inter-University Youth Festival at New Delhi. Shri Dhaval Mehta and Shri Kulendu Desai were selected.

After the re-opening of the colleges for the second term, a Baroda College Silver Jubilee and Science Debate Fund Prizes Elocution Competition was organised under the auspices of the Debating Society on the 29th November, 1956. Dr. C. S. Patel, Pro-Vice-Chancellor presided over the Debate, the subject of which was: 'Since Men have failed miserably to maintain peace, the Reins of Government should be handed over to Women'. Shri Gopinath Menon was declared the winner of the Baroda College Silver Jubilee Fund Prize and Kumari Malti Karuven won the Science Debate Fund Prize. Shri Vatsal Yajnik was awarded a certificate of merit for the third place.

A Debate in Gujarati was arranged on the 8th December, 1956 to select two teams consisting of two students in each team to represent the University at Mahadev Desai Trophy Debate at Ahmedabad and at the Inter-University Gujarati Debate organised by All India Radio, Baroda-Ahmedabad. Shri Dhaval Mehta and Shri S. P. Joshi were selected for the Mahadev Desai Trophy Debate and Shri Prakash Desai and Shri Vrushank Majmudar were deputed for the All India Radio Debate. Shri Dhaval Mehta and Shri S. P. Joshi gave a good account of themselves at Ahmedabad.

During the Seventh University Week Celebrations, the M. N. Wadia Memorial Trophy Debate was held on the 11th December, 1956. The Debate was presided over by Shrimati Hansa Mehta, Vice-Chancellor and the subject was 'Modern Civilization is based more on Scientific Achievement than on Moral Principles.' The Faculty of Medicine won the Wadia Trophy for the year 1956-57. Shri Hasan Mansoor, Shri Vatsal Yajnik and Shri Gopinath Menon were awarded first, second and third Prizes respectively. Herr Von Pochhammer, Counsel General of the Federal Republic of Germany, attended the Debating Competition.

During the University Week, Shri B. N. Majmudar Trophy Debate in Hindi was held on the 14th December, 1956. Shrimati Hansa Mehta was in the Chair. The subject for the debate was 'लोकशाही भारत को अनुकूल नहीं है' (Democracy is not suitable to India). Shri Hasan Mansoor was awarded the Hindi Trophy and first prize, while Shri C. D. Amin and Kumari Jyoti Desai won the second and the third prizes respectively. Both, the M. N.

Wadia Trophy and the B. N. Majmudar Trophy Debates were well attended by the University Staff, citizens of Baroda, teachers and students of the University.

The University was also represented at the Zonal Inter-University Debates in English, Hindi and Gujarati organised by the All India Radio during their Radio Week Programme. Shri Hasan Mansoor, Faculty of Medicine, represented the University at Bombay for the English Debate, Shri C. D. Amin, Intermediate College, for Hindi Debate, while Shri Prakash Desai, Faculty of Science, and Shri Vrushank Majmudar, Faculty of Arts, represented the University in the Gujarati Radio Debate at Baroda. All the speakers gave a good account of themselves at various debates.

On the 31st January, 1957, the Pro-Vice-Chancellor Trophy Debate in Gujarati was held behind the Baroda College Central Hall. Shrimati Hansa Mehta, Vice-Chancellor, presided over the Debate. Shri Vrushank Majmudar was awarded the first prize and the Pro-Vice-Chancellor's Trophy. Kumari Anila Chhaya and Shri Romy Mistry won the second and the third prizes respectively.

Two Debates, one in English and other in Hindi, were arranged on the 1st March, 1957 to select two teams, one for English and the other for Hindi to represent the University at the Inter-University Debating Contest held at Nalanda in connection with the 2500th Buddha Jayanti Celebrations. Professor N. M. Bhatt presided over the Debate. Shri G. P. Deshpande and Kumari Anila Chhaya were selected to form the Hindi team. Kumari Meena Shrikantan was deputed by the President in place of Kumari Anila Chhaya who was not able to go to Nalanda. Kumari Meena Shrikantan won a special prize of Rs. 100 and some books in English at the Nalanda Debate.

### (3) Indoor Games Committee:

The session commenced with the inauguration of the Badminton Hall by the Pro-Vice-Chancellor, Dr. C. S. Patel. The need for this Hall had been greatly felt by both the students and the staff of the University. A long felt need was fulfilled when the Hall, built by the generosity of Shri P. P. Contractor, a well-known citizen of Baroda, was handed over to the University Union. We are really thankful to Shri Contractor for his generous donation.



University tournaments followed the opening of the Hall. As usual, Badminton and Table-Tennis remained the most popular games. Inter-Faculty and University tournaments attracted a great number of enthusiastic participants and the standard reached was higher than before.

The students participated and distinguished themselves in the open tournaments in Baroda. Shri George Dewaji and Kumari S. T. Chokshi won the Gent's and the Ladies' Singles titles respectively in the Sayajivihar Open Badminton tournament. Shri George Dewaji and Kumari M. C. Bhatt were Runners-up in the Maharaja Pratapsinh Coronation Gymkhana Open Badminton tournament.

The Badminton team also took part in the Inter-University Badminton tournament held at Bombay. In this, they put up good show, the ladies' team being specially commended. The following members constituted the University Badminton Team :

*Gents' Team*

Shri H. M. Desai (Captain)  
Shri Vijaya Pawar  
Shri J. R. Joshi  
Shri Abdual Patel

*Ladies' Team*

Kumari U. C. Bhatt (Captain)  
Kumari M. C. Bhatt  
Kumari S. T. Chokshi

In Table-tennis, notable progress was evident during the year. Recently, the new built Table-Tennis Hall was declared open by the Vice-Chancellor, Shrimati Hansa Mehta. Many table-tennis enthusiasts witnessed the inauguration when exhibition matches were played. The Vice-Chancellor played the first game.

During the year our players took part in the National Championship tournament held at Saharanpur, besides participating in a number of open tournaments. Shri R. A. Jhirad, Kumari Pratibha Pandit, Kumari Charu Patel and Kumari Zenobia Sethna were included in the team which represented Maha-Gujarat Table-Tennis Association in the National Championships. Shri R. A. Jhirad won the Maha-Gujarat Singles title and Kumari Charu Patel secured the ladies singles title this year. A series of exhibition matches between our players and the Bombay players were arranged and played when the latter visited Baroda. It is evident therefore that the opening of these two Halls has opened new chapters in the sphere of our sports activities.

In other games also, the students displayed keen interest and enthusiasm. The Ring-tennis tournament proved very popular. In carrom,

draughts, bridge, and chess tournaments, a remarkable number of entries were received, indicating the popularity of these games among the students.

The Prize distribution function during the year was held on the 5th March, 1957 in the Table Tennis Hall. It was presided over by Dr. C. S. Patel, the Pro-Vice-Chancellor and Shri Ashfaq Hussain, Joint Secretary, Ministry of Education, Government of India, distributed the prizes.

(4) *Reading Room and Library Committee :*

The Committee started its work with a meeting which was held on the 15th September, 1956. The list of newspapers and periodicals was overhauled. Some magazines which were of little use were replaced by the magazines having more usefulness and demand. The Union Library is a centre where the students of different Faculties gather together and enrich their knowledge with the help of the books and magazines on various subjects. No entertainment is so inexpensive and no pleasure is so lasting as reading.

The Committee decided to continue the lending Library Scheme. The scheme which was brought out last year but which did not work was suitably modified. No membership fees were charged as it was thought that all the students should be given a chance to use it.

(5) *Variety Entertainment Committee :*

As special features of the activities of this year the programmes presented by the Entertainment Committee were marked by the innovations introduced in the latter part (Second term) of the last year when the Committee decided to stage an open air entertainment programme on the Republic Day in front of the New Pavilion.

Two programmes were staged under the auspices of this Committee. A performance of Dance and Songs was given in the celebration of the 2nd October, the birth-day of Mahatma Gandhi. The items were Group Songs, Dances (Bharat Natyam) by Kumari Pratibha Pandit, devotional songs, Musical Orchestra and some songs by the well-known Shayar Shri S. Palenpuri.

The Committee also staged a programme on the 26th January, 1957 the Republic Day, in collaboration with the N.C.C. who enlivened the programme with Boxing Bouts. The features were dances and a Group Dance which was highly appreciated at the Inter-University Youth Festival and which was composed by Kumari Pandit. Vocal recitals by Shri



Ramesh Dani, and musical items by Shri Khushru Hakim and party were highly appreciated.

As the programmes were staged in the open, the Committee was not faced with problems of accommodation and of imposing order on a congested audience. The performances were carried out in a peaceful atmosphere of attentiveness and appreciation.

(6) *Social Service League:*

It has become an accepted fact that one of the chief activities of the league has been the circulation of books and magazines in the hospitals. Those patients, who are undergoing long term hospitalisation or convalescing after an operation, show very keen interest in such a programme as this relieves to some extent the monotony of their bed-ridden condition. Although Shri Sayaji General Hospital has a library of its own, there is a real dearth of books in local languages. Hence the S.S.G. Hospital made organised attempts to secure as many books and magazines as possible in languages like Gujarati, Marathi and Hindi. While doing so, they also skilfully interpreted the aims and objectives of the league to the leaders of the Community. The Wardens of the various Halls of Residence have also donated generously the old magazines to the league. Consequently, the league has now a very good collection of magazines which are found to be very popular to the patients. The league also bought sixty rupees worth of books from the budget of 100 rupees granted by the Union. Books and magazines have also been lent to Jamnabai Hospital, Padmavati T. B. Sanatorium, Remand Home, Certified School and other institutions. Students of the Faculty of Social Work have worked hard in making this activity a great success.

The outstanding achievement of the year's activity had been the active campaign launched by the members to enrol blood donors from amongst the students of the University. Since there seemed to be considerable misapprehension regarding blood transfusion, and blood donation, it was thought desirable to have this cleared by persons working in the field in order to enlist maximum co-operation from students. At the invitation of the League, Dr. J. Mordecai, the Head of the Pathology Department of the Medical College, spoke to the students on two occasions, once at the Faculty of Social Work and another at Shrimati Sarojini Devi Hall of Residence for Women Students on the process of blood transfusion and blood donation. This had a positive effect. Students came

forward to enrol themselves as blood donors. Out of these enlisted twenty-three have already donated blood.

The Union entrusted the league with the sale of flags during the Flag Day Week Celebrations. The members collected a sum of Rs. 50 under the auspices of the Baroda Branch of the Anti-Tuberculosis Association. Members actively canvassed for the T. B. Seals and achieved gratifying results.

(7) *U.N.O. Society:*

During the year, under the auspices of the Committee, a Symposium was held on the subject specified by the Ministry of Education on the celebrations of HUMAN RIGHTS DAY.

The following members of the staff of the University took part in the Symposium and spoke on various aspects of Human Rights and the UNESCO:

1. Dr. I. S. Gulati, Reader in Economics
2. Dr. H. C. Dholakia, Reader in Law
3. Dr. A. H. Somjee, Reader in Politics
4. Dr. C. P. Shukla, Librarian, University Library
5. Miss Elisa Rogo, Journalist, U.S.A.

Shrimati Hansa Mehta, Vice-Chancellor, presided over the function and contributed to the Symposium.

The programme was attended by a large number of students and staff members of the University and was highly appreciated.

(8) *Poor Boys' Library Committee:*

The Committee helped poor students in getting books which they could not get from the market. Last year 116 students were given books. During the year books were given to about 150 students.

(9) *Union Co-operative Stores Ltd.:*

The Union Co-operative Stores continued to supply text-books and note books to the students this year also.

(10) *Hiking Club:*

In October, 1956, a hike had been arranged to Lonavla near Poona. A batch of seventeen students was selected out of forty that applied. The team had also been to Valvaldam, Karla, Tiger's lip Valley and Shivaji Navy School. The team had the opportunity to visit the National Defence Academy, Khadakvasla, and also the National Chemical Laboratory, Poona.



*( II ) Film Club :*

During the year, the Club tried to present to the members good pictures in Hindi and in English. In all eight pictures—five Hindi and three English, were shown till the beginning of December, 1956. The following is the list of the pictures shown during the year :

*Name of the Picture*

1. Maa, 2. Poonam, 3. Velis of Bagdad, 4. Dagg, 5. Rocky Mountain, 6. Mastana, 7. Blanche Fury, 8. Albeli.

The Club showed many educational films and Indian documentary reels along with the films and they were much appreciated.

*( 12 ) Bulletin Committee :*

The Bulletin Committee has continued its work, maintained its standard in collecting reports and records of activities undertaken and successfully accomplished by the various Committees of the Union.

**3. University Week**

The University Week Celebrations now constitute a regular feature of the yearly activities of the Union.

The University Week is the biggest University Festival. It stretches over a week and its programme is highly diverse. It includes Physical and Military displays, Sports and Exhibition Matches, Debates, Poetry Recitation, Competitions in Drama, Group Dance, Group Song and Garba, Academic and Cultural Exhibitions in the different Faculties of the University and public entertainment for the students. Almost every important item of the programme carries a silver trophy and a number of prizes.

During the year a silver shield for group song was donated by Dr. Manubhai D. Patel, an eminent surgeon and nominated member of the Executive Committee of the Union. The Seventh University Week was indeed a great success not merely in terms of competitions. Of course the competitors put up a much higher standard of performance than before, and more than that, displayed a spirit of emulation without ill-feeling which should be the guiding principle of all competitions. The competitors helped one another and created an atmosphere of delightful camaraderie.

Besides these competitions, there were a few noticeable features of the University Week which deserve mention. There was a more spontaneous collaboration between the students and the staff. Indeed the whole

programme evolved itself almost organically without falling into compartments. The pleasure therefore was continuous and cumulative.

A new experiment in the organisation of the entertainment programme was tried this year successfully. An Open Air Stage was erected for an audience of about five thousand students and all the items of the trophy competitions were put on the boards. The programme was widely appreciated. This is an indication that with a mobile stage we can in future entertain the University community on the Pavilion Grounds.

This is a very fortunate University in the sense that the Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and the members of the Syndicate take a lively interest in the cultural life of the students community. For example, this week was inaugurated by the Chancellor, while at the end the prizes were distributed by Dr. Jivraj Mehta, Finance Minister of Bombay State, who is also a Syndic of the University. It was very gracious of Dr. Jivraj Mehta to have spared the time for the prize distribution inspite of a crowded schedule of engagements.



## CHAPTER XXIV—VISITS, LECTURES AND DEPUTATIONS

### 1. Visits

The following distinguished persons visited the University during the year :

(1) Dr. John Matthai, Vice-Chancellor, University of Bombay, was invited to address the graduates at the Sixth Annual Convocation of the University held on the 13th October, 1956. He arrived in Baroda in the morning on the 12th October, 1956 and stayed for two days. He delivered an instructive address to the graduates. He also visited the Faculties of Arts, Technology and Engineering, Fine Arts and Home Science, Oriental Institute, Department of Museology, Sheth U. P. A. R. Unit, College of Indian Music, Dance and Dramatics, University Library, Shrimati Sarojinidevi Hall of Residence and Maharani Shanta Devi Home Management House.

(2) His Excellency, the Governor of Bombay, Dr. Harekrushna Mehtab, visited the Department of Museology and Faculty of Technology and Engineering on the 20th September, 1956.

(3) Shri Y. B. Chavan, Chief Minister, Bombay State, visited the Faculties of Arts, Education and Psychology, Technology and Engineering, Fine Arts and Department of Museology on the 17th December, 1956.

(4) Dr. C. D. Deshmukh, Chairman University Grants Commission, visited the University on the 14th and the 15th February, 1957.

(5) Shri Samuel Mathai, Secretary, University Grants Commission, visited the Faculties of Arts, Education and Psychology, Technology and Engineering, Fine Arts and Home Science and Oriental Institute, Department of Museology, University Union, and Shrimati Sarojinidevi Hall of Residence on the 19th and the 20th February, 1957.

(6) The University Grants Commission Visiting Committee (Science) consisting of (i) Dr. S. D. Arora, Principal and Head of the Chemistry Department, Maharaja College, Jaipur, (ii) Dr. T. S. Mahabale, Head of the Botany Department, Poona University and (iii) Dr. V. S. Patankar, Education Officer, University Grants Commission, visited the various Faculties and Institutions of the University, on the 15th and the 16th

November, 1956. The Committee looked into the progress of the development of the Faculties of Science and Technology and Engineering during the First Five Year Plan and scrutinised the development proposals of the Faculties of Science and Home Science under the Second Five Year Plan.

(7) Another Visiting Committee (Humanities) of the University Grants Commission consisting of (i) Dr. P. J. Philip, Development Officer, University Grants Commission, (ii) Shri H. S. Verma, Assistant Secretary, University Grants Commission and (iii) Shri M. S. Gore of the Delhi University, visited the various Faculties and Institutions of the University on the 18th and the 19th November, 1956. The Committee scrutinised on the spot the development proposals of the University in the Faculties of Arts, Education and Psychology, Commerce, and Social Work, College of Indian Music, Dance and Dramatics, the University Library and the Oriental Institute.

(8) The Sanskrit Commission appointed by the Government of India with Dr. Suniti Kumar Chatterji, Chairman, Legislative Council, West Bengal, and seven other members visited the University on the 21st and the 22nd April, 1957. The Commission visited the Sanskrit Mahavidyalaya, the Oriental Institute and the Sanskrit Department in the Arts Faculty. The Commission also interviewed a number of prominent Sanskrit scholars of Baroda and Surat including Shrimati Hansa Mehta, the Vice-Chancellor of the University and recorded their views on their questionnaire.

(9) Shri Ashfaq Husain, Joint Secretary to the Ministry of Education, Government of India, visited the Faculties of Fine Arts, Home Science and Social Work and the Department of Museology, University Union and the College of Indian Music, Dance and Dramatics on the 5th and the 6th March, 1957.

(10) Miss Nubart Parsighian, Cultural Affairs Officer, United States Information Services, Bombay, visited the Faculties of Education and Psychology, Fine Arts etc. on the 28th January, 1957.

(11) Dr. Helen Wright, T.C.M. Chief of the Party on Social Education, visited the Social Work, Social Education Organisers' Training Centre and the Mental Hygiene and Psychiatric Clinic from the 8th to the 11th February, 1957.



## 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	28th November, 1956 7th December, 1956	Dr. Harry Williams	(1) Principles and Practice of Skin transference (2) The application of split skin grating to some common surgical problems
2	12th January, 1957	Shri C. S. Chandra-sekhara	(1) Town Planning (2) Standards
3	24th January, 1957 25th January, 1957	Dr. Jean Forrester	(1) Modern Trends in teaching of English as a foreign language in India (2) Modern Trends in teaching of English as a foreign language in India with demonstration lessons
4	30th January, 1957	Dr. V. R. Khanolkar	Research in teaching institutions.
5	11th February, 1957 12th February, 1957 13th February, 1957 14th February, 1957 15th February, 1957	Shri W. R. Natu	(1) The Marketing Process (2) The Principles of Regulations (3) The Working of Forward Markets (4) The Working of Forward Markets (5) Lessons of Experience
6	18th February, 1957 19th February, 1957 20th February, 1957	Professor Howard Thomas	(1) Slides on American Contemporary Painting (2) (i) Discussion on Art with the members of the staff (ii) An Approach to Painting (3) Slides of the works by Professor Howard and Mrs. Harry Thomas, and discussion afterwards

Sr. No.	Date of the lecture	Name of the lecturer	Subject
7	19th February, 1957	Shri Samuel Mathai	(1) The appreciation of poetry (2) The treatment of love in English Poetry
8	20th February, 1957 21st February, 1957 22nd February, 1957	Professor A. Sreenivasan	(1) Transmethylation (2) Nucleotide Metabolism (3) Oxidative Phosphorylation (4) Sulphanomide Bacteriostasis (5) Amino Acid Utilization (6) Frontiers in Vitamin research
9	2nd March, 1957 3rd March, 1957	Dr. Mulk Raj Anand	(1) The Ancient Tradition (2) The Modern Experiments

(2) Under the auspices of the Sayajirao Gaekwad Honorary Lecture Series, Pandit Sukhalalji Sanghavi, a great Jain Philosopher of Gujarat, delivered a course of three lectures as under :—

Sr. No.	Date	Subject
1	21st February, 1957	તત્ત્વવિદ્યાનું સ્વરૂપ અને તેને લગતા આવશ્યક મુદ્દાઓ.
2	22nd February, 1957	જગત અને જીવ વિશેની દાર્શનિક પરંપરાઓનો તુલનાત્મક અભ્યાસ.
3	23rd February, 1957	ઈશ્વરતત્ત્વવિષયક દાર્શનિક પરંપરાઓનું તુલનાત્મક અધ્યયન.

## 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 B. R. Deolalikar (Faculty of Social Work)	Seminar on 'Development Work among Rural Women' in Delhi from the 2nd to the 10th September, 1956
2 Kumari Padma S. Chari (Faculty of Home Science)	Conference of Administrators and Representatives of Home Science Association of India at Madras from the 21st to the 23rd September, 1956



<i>Name of the member of the staff</i>	<i>Name of the Conference and date of its meeting</i>
3 Kumari J. A. Singh, Kumari A. J. Mehta, Kumari Savitri Pandit, Kumari Padma S. Chari, Shrimati Renuka Mukerjee, Shrimati K. G. Karandikar (Faculty of Home Science)	Biennial Conference of the Home Science Association of India at Allahabad from the 4th to the 6th October, 1956
4 Dr. M. S. Patel (Faculty of Education and Psychology), Shri B. L. Shanbhogue (Oriental Institute)	31st Session of the All-India Educational Conference at Jaipur from the 23rd to the 26th October, 1956
5 Shri C. M. Shukla (Faculty of Arts)	First National Youth Hostels Conference at New Delhi in the last week of October, 1956
6 Shri C. S. Patel, Shri S. H. Joshi, Shri I. A. Dave, Shri S. D. Parekh (Faculty of Arts)	10th Session of Gujarati Adhyapak Sangh at Surat on the 6th and the 7th November, 1956
7 Dr. C. V. Ramakrishnan (Faculty of Science)	Indian Council of Medical Research meeting at Mysore in November, 1956
8 Mrs. P. Bhatt (Faculty of Social Work)	All-India Conference of Correctional Officers at Calcutta between the 9th to the 12th November, 1956
9 Shri B. R. Deolalikar (Faculty of Social Work)	All India Adult Education Conference at Udaipur from the 10th to the 29th December, 1956
10 Shri D. M. Patel, Dr. A. G. Javadekar (Faculty of Arts)	Indian Philosophical Congress at Annamalai Nagar from the 19th to the 22nd December, 1956
11 Shri N. M. Pathak (Seth U.P.A.R. Unit)	Symposium on Medical subjects at the 10th Anniversary of Shri O. H. Nazar, Ayurved Mahavidyalaya at Surat during the later half of December, 1956.
12 Mrs. P. Bhatt (Faculty of Social Work)	All-India Women's Conference at Indore from the 24th to the 28th December, 1956
13 Shri G. B. Pandya, Dr. R. N. Mehta, Dr. S. C. Misra, Shri S. K. Desai, (Faculty of Arts) Dr. M. R. Majmudar, (Oriental Institute)	Indian History Congress at Agra from the 25th to the 29th December, 1956.

<i>Name of the members of the staff</i>	<i>Name of the Conference and date of its meeting</i>
14 Shri H. C. Malkani, (Faculty of Arts)	Annual Conference of the Indian Economic Association at Cuttak from the 26th to the 28th December, 1956.
15 Professor (Kumari) P. Vakharia, Shri B. R. Deolalikar, (Faculty of Social Work)	Annual Conference of Social Work at Jaipur from the 28th December, 1956 to the 1st January, 1957.
16 Dr. B. D. Misra, (Faculty of Medicine)	16th Annual Session of the Anatomical Society of India at Calcutta from the 28th to the 30th December, 1956.
17 Shri B. L. Sinha, (Faculty of Arts)	Bharatiya Hindi Parishad at Banaras from the 28th to the 30th December, 1956.
18 Shri B. G. Shah, (Faculty of Commerce)	10th All India Commerce Conference at Ranchi on the 30th & the 31st December, 1956 and 1st January, 1957.
19 Dr. V. Sunder Rajan, (Faculty of Commerce)	17th Annual Conference of the Indian Society of Agricultural Economics at Cuttack in the last week of December, 1956.
20 Dr. A. H. Somjee, (Faculty of Arts)	Indian Political Science Congress at Waltair during the last week of December, 1956.
21 Professor D. V. Gogate, (Faculty of Science)	Indian Academy of Sciences at Waltair in the last week of December, 1956.
22 Shri C. M. Shukla, (Faculty of Arts)	All India English Teachers' Conference at Dharwar during the last week of December, 1956.
23 Dr. C. S. Patel, Pro-Vice-Chancellor, Professor N. M. Bhatt, Professor D. V. Gogate, Professor S. M. Sethna, Dr. N. S. Pandya, Dr. J. S. Dave, Shrimati V. A. Janaki, Shri A. N. Godbole, Shri Shekhar Verma, (Faculty of Science)	Indian Science Congress at Calcutta from the 14th to the 20th January, 1957.
Dr. M. L. Pai, (Faculty of Medicine)	
Shri S. C. Malik, (Faculty of Arts)	
Dr. S. M. Sen (Faculty of Technology and Engineering)	



<i>Name of the member of the staff</i>	<i>Name of the Conference and date of its meeting</i>
24 Shri V. R. Mathrubhuteshvaran (Faculty of Technology and Engineering)	Annual Technical Convention of the Institution of the Tele-Communication Engineers at Delhi on the 29th and the 30th December, 1956
25 Shrimati V. A. Janaki, (Faculty of Science)	4th Annual General Meeting of the Indian Council of Geographers at Calcutta in January, 1957
26 Dr. N. M. Bhatt, (Faculty of Science)	25th Anniversary of the Indian Statistical Institute at Calcutta in January, 1957
27 Shrimati A. Krishna Murti, Shrimati Kusum Pandya, (Chetan Balwadi)	} All India Early Childhood Education Conference at Bordi from the 5th to 7th January, 1957
28 Shri H. C. Mehta, (Sanskrit Mahavidyalaya)	
29 Professor D. Subbarao, (Faculty of Technology and Engineering)	5th Session of the Sanskrit Vishva Parishad at Kurukshetra on the 11th, 12th and 13th January, 1957
30 Dr. A. H. Somjee, (Faculty of Arts)	16th Annual Conference of the Association of Principals of Technical Institutions at Karaikud on the 5th and the 6th February, 1957.
31 Shrimati V. A. Janaki, (Faculty of Science)	Seminars on 'Encounters between Civilization' at the Indian School of International Studies, New Delhi, from the 16th to the 18th February, 1957.
32 Shri S. K. Majmudar, Kumari P. S. Kelkar, (Faculty of Social Work)	Seminar on Mapping India at Pilani (Rajasthan) from the 15th to the 17th March, 1957.
33 Professor T.K.N. Menon, Shri L. J. Bhatt, (Faculty of Education and Psychology) Shri D. F. Pareira, (Faculty of Social Work)	} The Role of Women in Social Welfare and Nation Building at Surat on the 30th and the 31st March, 1957,
34 Shri G. G. Dadalani, (Faculty of Social Work)	
35 Shri D. M. Patel, (Faculty of Arts)	Annual Conference on Educational and Vocational guidance at Mysore from the 26th to the 28th April, 1957.
	National Seminar in Slum Clearance at Bombay from the 14th to the 20th May, 1957.
	32nd Session of the Philosophy Congress at Shrinagar (Kashmir) from the 16th to 19th June, 1957.





Dr. John Matthai, Vice-Chancellor, University of Bombay, in  
Shrimati Sarojinidevi Hall of Residence

## CHAPTER XXV—STUDENTS' WELFARE ACTIVITIES

### 1. University Halls of Residence

#### (1) Buildings :

During the year, two more Halls of Residence were constructed and have come into use from the new term. There was a heavy demand for seats in Shrimati Sarojinidevi Hall of Residence and hence it was found necessary to build a Hall for women students of the University. The new Hall of Residence for Women is appropriately named after the Vice-Chancellor, Shrimati Hansa Mehta and the Hall for men is named Shri Kanaiyalal Maneklal Munshi Hall of Residence. During this year 911 students were in residence. In all there are now 9 Halls of Residence, including Shri Keshavprasad Hostel, a rented building. However, it needs to be stressed that a large number of students who were admitted to different courses could not be admitted because of want of space. It is hoped that more seats would be available in the course of years.

#### (2) Number of Students in the Halls :

The total number of students in the Halls at the end of the year 1956-57 was 911 against 804 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 Hostel	Smt. Sarojinidevi Hall	Total
1	Arts	16	7	4	4	9	—	—	16	56
2	Science	45	49	34	28	26	—	—	14	196
3	Edu. & Psy.	11	10	5	9	4	—	—	16	55
4	Commerce	7	4	3	2	4	—	—	—	20
5	Medicine	5	19	76	23	3	—	—	21	147
6	Tech. & Eng.	17	8	20	68	5	40	26	—	184
7	Fine Arts	5	4	—	—	1	—	—	5	15
8	Home Science	—	—	—	—	—	—	—	95	95
9	Social Work	5	6	1	7	—	—	—	7	26
10	Intermediate College	27	31	9	7	13	—	—	22	109
11	Music College	2	—	—	—	1	—	—	5	8
Total		140	138	152	148	66	40	26	201	911



(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' Committee. One of the Wardens continued to work as Convener of the Wardens' Committee, who from this year, is designated as the Chief Warden. It was decided to set up Central Committees for various activities and general direction of resident students. This year six committees were functioning to look after and to organise student activities viz. (1) A Central Committee, (2) A Central Food Committee, (3) A Central Committee for Cultural Activities, (4) A Central Sports Committee, (5) A Central Committee for Accounts and Auditing and (6) A Central Committee for Students' Health. The formation of these committees has considerably helped the organisation and regulation of student life because 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. 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 medicine to the students on a nominal charge.

(5) *Cultural and Social Activities :*

As in the previous years, the cultural and social activities play an important part in the building of the character of students. These activities are carried out by the following committees with the approval of the Central Committee :

- 1 Food Committee
- 2 Sports Committee
- 3 Entertainment and Debate Committee
- 4 Reading Room and Library Committee
- 5 Health and Sanitation Committee

In each Hall, meetings and talks are arranged ; sometimes musical evenings are organised. The small groups for study purposes meet in the Common Room ; Games Tournaments and Debates are held. During the

year, Inter-Hostel Debate on the 27th January, 1957, Independence Day celebrations on the 15th August, 1956 and Annual Day of the Hostels on the 9th December, 1956 were the high lights of the co-operative life of all the students. Following are some of the important items of interest :

- ( i ) A Dinner party in honour of Dr. C. D. Deshmukh and Shrimati Durgabai Deshmukh in Dr. Jivraj Mehta Hall.
- ( ii ) Smt. Laxmi Menon, the President of All-India Women's Conference visited Shrimati Sarojini Devi Hall on the 9th January, 1957.
- ( iii ) The delegates to the All-India Mathematical Conference came to stay in Maharshi Arvind Hall during winter vacation.
- ( iv ) Dinners were arranged in honour of the members of the General Education Conference in all the Halls of the Residence.
- ( v ) A show known as the Invisible City was held in Maharshi Arvind Hall for the students of the Halls of Residence.
- ( vi ) Meetings of the Central Committee were regularly held in all the Halls by rotation at least once a month.

2. *Medical Examination of Students*

The University arranges during the first term of every academic year a medical check-up of all the newly admitted students of the University and of all those who are required to undergo the follow up work according to the previous year's report. The check-up is conducted by a board of specialists in Shri Sayaji General Hospital, Baroda in July-August every year. The results of the examination are recorded in a special form maintained for the purpose and communicated to each student on a report card. Cases requiring regular medical attention are separated and referred to the respective specialists for examination and advice. These cases are reported to the respective heads of institutions to help the students in getting proper treatment and attention.

3. *Physical Education*(A) *Staff :*

This 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. At present four qualified Physical Instructors including one Lady Physical Instructor are working in this department under the supervision and guidance of the Superintendent of Physical Education. The Superinten-



dent also acts as the Ex-Officio Secretary of the University Board of Sports.

(B) *Auxiliary Cadet Corps :*

A. C. C. training is compulsory for all the First Year and Second Year students of this University except those who are selected for Major Games, Boating and N. C. C. In all 1,220 students including 294 girl students were given training in Marching, Drill, P. T., Games, Mass P. T., Road March and Manual Work. Special Training was also imparted to selected Boys Cadets in Gymnastics, Vaulting and Tumbling.

During N. C. C. Week and University Week celebrations, 500 A. C. C. Boys and Girls Cadets took part in the Ceremonial Parades. A special Mass P. T. demonstration was also put up by these selected cadets at the time of the inauguration of the University Week by H. H. Shrimant Maharaja Fatehsinhrao Gaekwad of Baroda, the Chancellor of the University.

Throughout the year the A.C.C. training was imparted by the trained staff of the department, 8 A. C. C. Officers, and 69 student leaders under the command of the Officer Commanding, 6th Bombay Battalion N. C. C., Baroda.

(C) *Major Games and Boating :*

In all 310 students of various Faculties and Institutions participated in major games such as Cricket, Hockey, Foot Ball, Volley Ball, Basket Ball, Kho-Kho, Hu-tu-tu, Tennis, and Badminton. In addition to this, 121 students took part in Boating.

These activities were supervised and conducted by the Physical Instructors of the department and the Officers-in-charge of Cricket, Tennis, Badminton and Boating.

(D) *University Teams :*

Special training was given to the University Cricket, Hockey, Foot Ball, Volley Ball, Kho-Kho, Tennis and Badminton teams by the Physical Instructors and Officers-in-charge of respective games. Some Coaches were also appointed to train the University teams in Cricket, Hockey, Foot Ball and Kho-Kho.

(E) *Annual Sports :*

As a part of the University Week celebrations, Annual Sports were held on the 11th, the 12th and the 13th December, 1956. In all 455 stu-

dents including 110 women students from various Faculties and Institutions participated in different Track and Field events with great deal of interest. Separate competitions for the members of the staff (Teaching and Administrative) were also held.

The individual Athletic Championship for men was won by Shri N. M. G. Bhaktan of the Faculty of Science and that for women was won by Kumari Lalita Gore of the Faculty of Technology and Engineering.

Dr. Jivraj Mehta, Finance Minister, Bombay State, gave away the prizes to the winners of the various competitions.

(F) *Local Tournaments :*

The University Cricket, Hockey, Foot Ball, Volley Ball, Tennis and Badminton teams participated in the Local League and Knock-out tournaments. The Volley Ball team won two Championship shields viz. Shri Maganbhai Shankerbhai Patel Shield at Baroda and Late Shri C. M. Soni Shield at Godhra. The Foot Ball team were runners-up in the Late F. Kekobad Memorial Shield Foot Ball tournament and were awarded a cup. The University Table Tennis team also participated in the All Baroda T. T. Tournament and won the H. H. Maharani Shantadevi Gaekwad Trophy. The individual Championship was won by Shri R. A. Jhirad, a student of the Faculty of Commerce. In addition to this, the University teams played several matches with local and outside teams.

(G) *Inter-Faculty Tournaments :*

Inter-Faculty Hockey, Foot Ball, Volley Ball, Kho-Kho, and Hu-tu-tu Tournaments were held in the Second term. All the Faculties participated in these tournaments.

The Faculty of Science won the Volley Ball and Kho-Kho tournaments and the Faculty of Technology and Engineering won the Foot Ball and Hu-tu-tu tournaments. The Faculty of Arts were winners of the Hockey Tournament.

(H) *Inter-University Tournaments :*

This year the University teams participated in the Inter-University Cricket, Tennis, Badminton, Volley Ball and Kho-Kho (Men & Women) tournaments. The Cricket team defeated Andhra and Osmania Universities but lost to Mysore University in the third round. The Kho-Kho team (Men) defeated Nagpur but lost to Poona in the finals.



The Inter-University Cricket Tournament ( South Zone and All India Finals ) was held at Baroda from the 23rd December, 1956 to the 19th January, 1957 under the auspices of the M. S. University of Baroda. In all twelve Universities participated in this Tournament. The All India Finals between Bombay and Delhi was the most interesting and exciting match and it lasted for more than seven days. In all 1820 runs were scored during this match.

( I ) *Coaching Training Camps :*

This year Shri V. R. Naidu was deputed to attend the Coaching Camp in Hockey which was conducted at Lucknow by the Government of India ( Ministry of Education ). In all six selected Staff members of the University have attended such Coaching Training Camps.

( J ) *Campus Works Projects :*

As per the Campus Works Project scheme of the Government of India ( Ministry of Education ) the manual work of the Open-Air Theatre was taken up in the beginning of the Second Term and within a period of about one month, the work was completed. More than 1,500 students from various Faculties and Institutions contributed their labour in completing this project.

( K ) *Participation in National Tournaments :*

This year seven University students participated in the National Championships as under :—

- 1 Shri R. D. Patel and Shri M. P. Parmar participated in Ranji Trophy National Cricket Championship.
- 2 Shri Edger H. D'Soza participated in All-India National Hockey Championship.
- 3 Shri R. A. Jhirad, Kumari Pratibha Pandit, Kumari Charulata Patel and Kumari Zenobia Sethna participated in All-India National Table Tennis Championship.

**4. National Cadet Corps**

During the year, the N.C.C. activities at the University were much expanded. The 6th Bombay Battalion, N.C.C. which was a two Company Unit was expanded into a three Company Unit. The 5th Bombay Girls Troop, N.C.C. which was working during the last year as a two sub-troop unit became a full-fledged Troop with three sections. Preliminary organizational work of the 18th Bombay Engineering Platoon, N.C.C. and the 20th



Bombay Medical Company, N.C.C. having been finalised these two units commenced regular work during the year.

(1) *6th Bombay Battalion, N.C.C. :*

This N.C.C. Unit continued its activities during the year. The unit functioned as two Company Battalion upto the 30th September, 1956, and was having its full strength of 315 cadets. From the 1st October, 1956 an additional Company was given to the Unit in expansion programme and the full strength of 470 was completed by enrolling the cadets. Due to this expansion there was a proportionate increase of N.C.C. Officers. Regular parades were held twice a week on Sundays and Wednesdays.

Ceremonial parades were held on the 2nd December and the 9th December, 1956 respectively in connection with N.C.C. Week and University Week at which Shri R. M. Desai, Collector, Baroda and H. H. Fatehsinhrao Gackwad, Maharaja of Baroda took salute respectively.

The Unit presented a Guard of Honour to Dr. John Matthai, Vice-Chancellor, Bombay University who was the Chief Guest at the 6th Annual Convocation of the M. S. University.

All the cadets were given extensive training in courses leading to B & C Certificate Examinations. 61 and 12 cadets had appeared and 29 & 4 passed respectively. 5 cadets were sent for selection at N.C.C. Course, at which 2 were selected. They have completed training and have been granted permanent Commission in the Army.

One N.C.C. Officer and 20 cadets attended the Combined Cadre (N.C.C. NCOs.) at Belgaum organised by No. 1 Circle CC from the 20th October to the 31st October, 1956.

Annual Training Camp of the Unit was held at Nasik, near Bhonsale Military School, from the 24th December, 1956 to the 6th January, 1957. 7 NCC Officers and 390 cadets attended this camp along with permanent staff of the Unit. The camp was a grand success, and was visited by the following dignitaries :

- 1 Honourable Shri Shantilal Shah, Minister of Education and Law
- 2 Lt. Col. D. S. Sidhu, Commander, No. 1 Circle
- 3 Member and staff of H. P. T. College, Bhonsale Military School
- 4 Prominent Citizens of Nasik City



Cadets of the 18th Engineering Platoon during their training in Boating.



In line with policy of the Government of India the unit introduced Hindi words of command with effect from the 1st January, 1957 for all parades.

The Unit was visited during the period by the various high ranking Military Officers. They commented highly about unit progress and administration.

N. C. C. Club and Rifle Club organised and conducted by the Unit also carried out their activities and these have been found very popular with cadets.

Two Officers and 85 cadets of this unit participated in the 6th Combined Cadre and Social Service Camp conducted by No. 1 Circle at Nasik from the 6th May, 1957 to the 19th May, 1957. They carried out Social Work in the form of digging channel, constructing approach roads, improving the local market ground and reclaiming the ground on the banks of river Godavari. These cadets along with those from Gujarat earned a very good name by their exemplary discipline and team work during the camp period. Variety entertainment programme presented by these cadets was largely appreciated by all concerned during the camp. Along with these cadets about 25 non N.C.C. Students of M. S. University also participated in this camp and carried out Social Work along with the cadets. They enjoyed the camp life thoroughly.

The Unit held a training camp for A. C. C. Teachers drawn from all Gujarat and Saurashtra region at Vallabh Vidya Nagar from the 14th May to the 26th May, 1957. 210 teachers including 10 women teachers attended this camp and they were acquainted with the new syllabus introduced for the A. C. C. with effect from 1957.

( 2 ) *5th Bombay Girls Troop, N.C.C. :*

The Unit carried out its activities for the second year during the period. The unit separated from the parent unit with effect from the 3rd July, 1956 under the Command of Troop Commander 2/Lt. Kumari S. A. Nachane.

One Sub-Troop was added with the commencement of the academic year transforming the unit into a full troop of 90 cadets and three officers.

Two Officers 2/Lt. Shrimati H. K. Chavan and 2/Lt. Kumari I. M. Patel joined the Troop on the 18th July, 1956 after completing their Pre-Commission training at Delhi.





Shrimati Hansa Mehta, the Vice-Chancellor amongst the cadets of the 5th Bombay Girl's Troop, N.C.C. at the Annual Camp held at Khadakwasla

N.C.C. Training was provided for the first and second year and 40 girl cadets were prepared for the G Part-I Certificate examination during June, 1956 to February, 1957. With June, 1957 the training for 3rd year commenced.

Circle Commander Lt. Col. D. S. Sidhu inspected the training and administration of the Troop on the 6th November, 1956.

The troop took part in ceremonial parades held at the inauguration of the N.C.C. Week and University Week on the 2nd and the 9th December, 1956 respectively and inspected by Shri R. M. Desai, Collector, Baroda and H. H. Fatehsinhrao Gaekwad, Maharaja of Baroda.

The unit participated in the Annual Camp of Girls Division centrally arranged by No. 1 Circle at Khadakwasla from the 26th December, 1956 to the 6th January, 1957. 3 Officers and 73 Cadets attended the same. Shrimati Hansa Mehta, Vice-Chancellor of the University visited the camp on the 4th January, 1957 and addressed the cadets.

The troop was declared champion runners-up with distinction in, 22 Rifle and Map Reading. U/O Manik Ainapure won the Best shot in Pistol Gp. Comdr. Manik Bapat in .22 Rifle and Gr. Comdr. Nalini Joglekar was the best Morse Reader.

21 cadets passed out of 30 cadets who appeared for C Part-I Certificate Examination at the Camp.

The social and cadre camp was also centrally held at Buldana by No. 1 Circle, from the 6th May, 1957 to the 19th May, 1957. The Unit was represented by 1 Officer and 14 cadets. The cadets conducted social service at Village Sagwan. Literacy classes were organised for grown up women. Drainage and water places were cleaned and Hygiene and Sanitation drive was also taken up. The villagers showed a good sense of co-operation and one well was cement-concreted under the initiation and guidance of the cadets.

The troop along with Akola and Nagpur cadets under the Commandership of OC 5th Bombay Girls Troop won the trophies for Social Service and Line-Dressing and was declared champion troop.

The cadets and troop commander offered hearty farewell to Capt. Vijayarangam OC 6th Bombay Bn. N. C. C. on the 24th November, 1956 when Smt. Hansa Mehta, Vice-Chancellor of M. S. University of Baroda presided.



A farewell was also given to Lt. L. H. Patil in February, 1957.

Col. Prem Das, Station Commander visited the troop on training in August, 1956.

During the N.C.C. Week in December, 1956 the troop won the first prize in the Inter-Unit Drill competition.

Cadet Indu Surti won the third prize in the All-India Photo Competition held in June, 1957 by the N.N.C. Directorate.

### (3) 18th Bombay Engineering Platoon, N. C. C. :

The order to raise the 18th Bombay Engr. Platoon N. C. C. at the Faculty of Technology and Engineering of the Maharaja Sayajirao University of Baroda was issued by the Ministry of Defence in August, 1955, but the unit was officially raised on the 1st December, 1955, when Captain J. Deshmukh was posted from 624 Army Troops Engineer, Kirkee to this Unit. Immediately after the posting the office was established, the demands for Controlled and Un-controlled stores were placed and thus the unit started functioning.

The authorised strength of the Platoon is 2 Officers and 60 Cadets. No difficulties were experienced in enrolment. The inauguration ceremony of this Unit was performed by Vice-Chancellor, Shrimati Hansa Mehta on the 11th July, 1956.

The N.C.C. Week was celebrated from the 2nd to the 8th December, 1956 which was inaugurated by Shri R. M. Desai, Collector, Baroda. The variety entertainment programme and sports meet were held and the prizes were distributed by Shrimati Hansa Mehta, the Vice-Chancellor of the M. S. University of Baroda. Boxing Bouts were arranged on the 26th January, 1957. This was new to Baroda City and was appreciated by the citizens.

The Cadre Camp, for Potential N.C.C. N.CO.'s Technical Training was held at Bombay Engrs. Group, Kirkee, Poona-3 for 10 days for 20 cadets from the 16th October, 1956 to the 26th October, 1956.

Annual Training Camp for 2 N.C.C. Officers and 60 Cadets was held at Bombay Engrs. Group, Kirkee, Poona-3 from the 24th December, 1956 to the 6th January, 1957.

Though the unit has carried out the first year's training during the period in review; the cadets who were already having 2 years' Infantry Training were given special Technical Training and were allowed to appear

in the Technical 'B' & 'C' Certificate Examination. The result was as under :

	<i>Appeared</i>	<i>Passed</i>
( i ) ' B ' Certificate	7	5
( ii ) ' C ' Certificate	4	2

The following Officers visited the Unit during the period :

1. Offg. Circle Commander No. 1 Circle Cadet Corps, Bombay Major, Colabavala visited the unit on the 20th February, 1957.
2. Circle Commander No. 1 Circle Cadet Corps, Bombay, Lt. Col. Britto visited the unit on the 17th April, 1957.
3. The Staff Capt. Q of No. 1 Circle N. C. C. Bombay, Capt. Kulkarni visited the unit on the 23rd April, 1957.
4. B. O. O. HQ. 112 Infantry Brigade visited the unit on the 9th November, 1956.

The following Officers carried out the Annual Inspection during the period :

1. AIA HQ Bombay Area carried out the Annual Inspection of this unit on the 18th October, 1956.
2. ADOS Bombay Area carried out the Annual Inspection of this unit on the 12th July, 1956.
3. HQ No. 1 Circle Cadet Corps, Lt. Col. D. S. Sidhu carried out the Annual Inspection of this unit on the 8th November, 1956.

### (4) 20th Medical Company, N. C. C. :

The unit was started on the 23rd July, 1956. The sanctioned strength of the Company is 2 Officers and 60 Cadets. The strength on the 30th June, 1957 was 1 Officer and 60 Cadets. Cadets were enrolled with effect from the 1st August, 1956. The training continued till the end of January, 1957.

Dr. B. D. Misra, lecturer in Anatomy in Medical College, Baroda was selected for commission and was awarded the rank of Lieutenant with effect from the 5th August, 1957, after completing his Pre-Commission training at Belgaum and Poona.

The Unit took part in Ceremonial Parades held to celebrate the N.C.C. Day on the 2nd December, 1956 and the University Week on the 10th December, 1956.



The unit also took part in the Flag March throughout the City on the 5th December, 1956 in Celebration of N.C.C. Week.

The unit held Unit Day and Prize distribution function in the Medical College on the 17th February, 1957 in which Dr. C. S. Patel, the Pro-Vice-Chancellor was the Chief Guest.

The unit held its annual training camp from the 24th December, 1956 to the 6th January, 1957 at Poona. 1 Officer and 59 Cadets (out of 60) attended the Camp.

1 Officer and 19 Cadets attended the No. 5 Combined Cadre and Social Service Camp run by HQ. No. 1 Circle at Nasik from the 6th May to the 19th May, 1957 and did commendable Medical Social work in the villages round about Nasik.

#### 5. Students' Common Hall

The Students' Common Room is built in the Baroda College area for the students of the University. A Committee consisting of the members of the teaching staff looks to the arrangements in the common room. On an average, about 400 students per day, took the advantage of the common room during the year.

The common room provides reading materials like dailies, periodicals and a small collection of books and facilities for certain indoor games such as carrom, draught, chess and table-tennis. It has also a cafeteria. The hall is used for holding meetings of various students' associations, lectures and indoor games tournaments.