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M.S. University of  
Baroda.

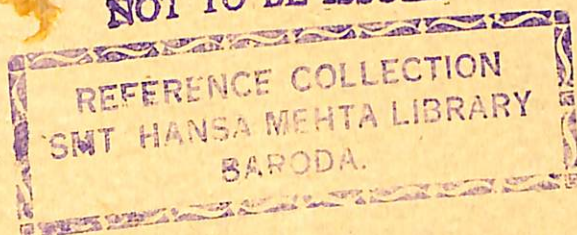
Ninth Annual Report

1957-58.



**The Maharaja Sayajirao University  
of Baroda**

**NOT TO BE ISSUED**



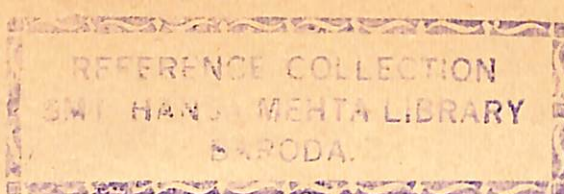
**NINTH ANNUAL REPORT**

**1957-58**



**BARODA**





# NINTH ANNUAL REPORT, 1957-58

( 1st July, 1957 to 30th June, 1958 )

## CONTENTS

CHAPTER NUMBER	SUBJECT	PAGES
	Introduction	I
I	General	4
II	Officers and Authorities of the University	42
III	The Senate	48
IV	The Syndicate	52
V	Other Authorities of the University	60
VI	Other Boards and Committees	69
VII	Research Work in the University	78
VIII	Faculty of Arts	90
IX	Faculty of Science	96
X(A)	Faculty of Education and Psychology	105
(B)	University Experimental School	116
XI	Faculty of Commerce	120
XII	Faculty of Medicine	
	( A ) Medical College	123
	( B ) Sheth Ujamshi Pitambardas Ayurvedic Research Unit	129
XIII	Faculty of Technology and Engineering	133
XIV	Faculty of Fine Arts	142
XV	Faculty of Home Science	147
XVI	Faculty of Social Work	153
XVII	Oriental Institute	161
XVIII	College of Indian Music, Dance and Dramatics	168
XIX	Baroda Sanskrit Mahavidyalaya	174
XX	Intermediate College	178
XXI	Polytechnic	180
XXII	Shrimati Hansa Mehta Library	184
XXIII	The M. S. University of Baroda Press ( Sadhana Press )	190
XXIV	The Maharaja Sayajirao University Union	193
XXV	Visits, Lectures and Deputations	200
XXVI	General Education Department	211
XXVII	Students' Welfare Activities	214





His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



NINTH ANNUAL REPORT, 1957-58

### 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, the 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, 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 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. 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 made in the preceding years are described in the eight Annual Reports published so far. This ninth Annual Report covers the period from the 1st July, 1957 to the 30th June, 1958 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

### I. Institutions in the University

Constituent and Recognized 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 ' Shastri ' and ' Acharya ', 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. It also provides a one year Pre-medical course.
- ( 3 ) Faculty of Education and Psychology : Provides course leading to the degrees of B.Ed., M.Ed., B.A. ( Psycho ) and M.A. ( Psycho ) and guidance in research for the M Ed. and Ph.D. degrees. The Faculty also gives instruction for the diploma in Teaching. The University Experimental School is attached to the Faculty for experiments in Education and Psychology and conducts classes from Standard I to Standard XI leading to the examination for the Secondary School Certificate of the Bombay State.
- ( 4 ) Faculty of Commerce : Provides courses leading to the degrees of B.Com and M.Com, Post-graduate diploma in Banking, under-graduate diploma in Co-operation and guidance in research for the Ph.D. degree.
- ( 5 ) ( a ) Faculty of Medicine ( The Medical College ) : 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.Ped., D.V. & D., and D.C.P. The College is managed by the Government of Bombay.

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

- ( 6 ) ( a ) 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 ( Second and Third Year only ), Textile Chemistry and Textile Technology 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 ( IV Year only ) attached to it, which conducts courses leading to the examination for the Secondary School Certificate of the Bombay State.  
( b ) Polytechnic : Provides courses leading to the diplomas in Civil, Mechanical and Electrical Engineering ( First Year only ).
- ( 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 with a Kindergarten class is also attached to the Faculty for experiments and observations in Child Development.



- (9) Faculty of Social Work: Provides a Post-graduate course leading to the degree of M. S. W.
- (10) Intermediate College: Provides courses leading to the Preparatory examinations in Arts, Science and Commerce.
- (11) The Museum and Picture Gallery (managed by the Government of Bombay).

## 2. Number of students in the University

The following statements show the number of students in the University and the number of non-University students at the commencement of the year:

Statement showing the number of students in the University at the commencement of the year 1957-58

Institution	*Post-graduate courses		Degree courses		Diploma courses		Total		Grand Total 1957-58	Grand Total 1956-57	Grand Total 1955-56
	Men	Women	Men	Women	Men	Women	Men	Women	10	11	12
1 Faculty of Arts ..	147	27	513	124	—	—	660	151	811	457	490
2 Faculty of Science ..	100	5	364	51	—	—	464	56	520	1082	1121
3 Faculty of Education and Psychology	45	16	100	38	28	3	173	57	230	222	219
4 Faculty of Commerce ..	26	1	456	1	25	—	507	2	509	215	245
5 Faculty of Medicine ..	57	6	296	48	—	—	353	54	407	359	341
6 Faculty of Technology and Engineering	11	—	902	5	500	—	1413	5	1418	1258	1306
7 Faculty of Fine Arts ..	7	4	51	3	24@	3@	82	10	92	83	99
8 Faculty of Home Science ..	—	8	—	208	—	—	—	216	216	214	181
9 Faculty of Social Work ..	32	14	—	—	—	—	32	14	46	46	34
10 Intermediate College ..	—	—	970	180	—	—	970	180	1150	961	767
11 College of Indian Music, Dance and Dramatics.	5	2	15	11	—	—	20	13	33	35	37
12 Baroda Sanskrit Mahavidyalaya.	3	—	8	—	23	—	34	—	34	36	43
13 Polytechnic ..	—	—	—	—	319	—	319	—	319	—	—
Total ..	433	83	3675	669	919	6	5027	758	5785	4968	4883

\* Includes Ph.D. and Master's degree and Post-graduate diploma students.

@ Includes Post-diploma students also.



Non-University students at the commencement of the year 1957-58

Institution	Men	Women	Grand Total 1957-58	Grand Total 1956-57	Grand Total 1955-56
<b>(a) Diploma Courses</b>					
1 College of Indian Music, Dance and Dramatics	240	179	419	591	484
<b>(b) Certificate Courses</b>					
1 Faculty of Technology and Engineering	106	—	106	99	119
2 Faculty of Fine Arts	7	4	11	13	7
3 Baroda Sanskrit Mahavidyalaya	49	—	49	42	64
<b>(c) S.S.C. Courses</b>					
1 University Experimental School	219	166	365	364	384
2 Technical High School	61	—	61	103	142
3 S.S.C. Music Classes	—	—	—	—	3
<b>(d) Nursery Courses</b>					
1 Chetan Balwadi	28	32	60	60	60
2 Kindergarten	13	10	23	—	—
Total	723	391	1114	1272	1263

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### 3. Special features of the year

#### (1) Progress of Important Research Projects :†

Several departments of the University are engaged in research work. 123 students were registered for their Ph.D. and several teachers carried on research work.

#### (A) Research Schemes financed by the Government of India, Planning Commission, University Grants Commission or other outside bodies like the I.C.M.R., C.S.I.R., etc. :

Faculty/ Department	Research Scheme	Name of the financing body
<b>FACULTY OF ARTS</b>		
<i>Sociology</i>	(i) A Sociological study of a Multi-caste Village in Gujarat for which Barot records are available*	University of Chicago
	(ii) A Study of Urbanisation and Industrialisation in a Village*	University Grants Commission
	(iii) A Study of the Social changes in Mahuva, a coastal town in Saurashtra†	Rockefeller Foundation, New York
<b>FACULTY OF SCIENCE</b>		
<i>Chemistry</i>	Construction of Magnetic Balance*	Ministry of Education and Scientific Research, Government of India
<i>Physics</i>	Optical studies on etched surfaces of Metal and Alloy Crystals†	Council of Scientific and Industrial Research
<i>Bio-chemistry</i>	(i) Enquiry on Tissue Culture and Measurement of proliferation of the Cells†	Indian Council of Medical Research
	(ii) Studies in Human Lactation†	Indian Council of Medical Research
	(iii) Study of C <sub>4</sub> Metabolism in A Nigert†	Council of Scientific and Industrial Research

† For other items of research please see Chapter VII.

\* The scheme was completed during the year.

† Work on the scheme was in progress.



Faculty/ Department	Research Scheme	Name of the financing body
	(iv) Studies on Food Yeast	Bombay State Industrial Research Committee, Department of Industries, Government of Bombay

## FACULTY OF EDUCATION AND PSYCHOLOGY

(i) Vocational and Educational Guidance†	Ministry of Education, Government of India
(ii) Rural Education Project†	Ministry of Education, Government of India
(iii) Construction and Standardisation of Achievement Tests†	Ministry of Education, Government of India
(iv) Inquiry into the Psychological Factors related to Adolescent Adjustment†	Indian Council of Medical Research

## FACULTY OF COMMERCE

(i) Rural Incomes and Savings in Gujarat*	Planning Commission, Government of India
(ii) Small Scale and Cottage Industry in Baroda City†	Planning Commission, Government of India

## FACULTY OF TECHNOLOGY AND ENGINEERING

Electrical Engineering	Circuit Analysis of Magnetic Amplifiers†	Council of Scientific and Industrial Research
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## FACULTY OF SOCIAL WORK

Survey of the Graduates of the School of Social Work*	University Grants Commission
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## (B) Research Schemes financed by the University

Faculty/ Department	Research Scheme	Remarks
FACULTY OF ARTS		
Gujarati	(i) Prachin Gurjar Granthmala	Under this series five volumes have been published so far. The sixth volume 'Bhalana Eka Adhyayana' was sent to the press during the year.
	(ii) Publication of the literary material of	Three Publications have been issued in this series so far. The last one

\* The scheme was completed during the year.

† Work on the scheme was in progress.

Faculty/ Department	Research Scheme	Remarks
	the late Professor B. K. Thakore	'Vikramorvasi' was published during the year. The fourth work 'Prave-shako' was sent to the press.
History	(i) History of Gujarat under the Muslims	The foremost Persian work 'Mirat-i-Sikandari' is under publication and the manuscript of the second work 'Rise of Muslim Power in Gujarat' is ready for the press.
	(ii) Editing the records of correspondence between Baroda Government and Baroda Residency	The first volume containing papers from 1821 to 1839 is sent to the press during the year.
Politics	(i) Voting Behaviour in an Indian Village	The scheme was completed during the year.
	(ii) A Survey of Rural Local Government	Work on the scheme was in progress.
Archaeology	M. S. University of Baroda Archaeological Series	Explorations and excavations are carried on at selected sites and the findings are published under this series. Three volumes are published so far. This year the head of the department carried on an exploration in Kurnool district and joined the expedition organised by the Government of India in the valley of Beas. The department and the Deccan College, Post Graduate Research Institute jointly excavated the mounds at Navda Toli in Madhya Pradesh.
Sanskrit	Soma Hymns of Rg. Veda	Fresh translation and interpretation of the Rg. Veda 1-15 is so far published.
FACULTY OF SCIENCE		
Chemistry	Mixed Liquid Crystals	Work on the scheme was in progress.
Botany	Flora of Gujarat	
Statistics	(i) Statistical Analysis of Ayurvedic Data	Do



<i>Faculty/ Department</i>	<i>Research Scheme</i>	<i>Remarks</i>
<i>Statistics</i>	( ii ) Statistical Summary of Annual Medical Examination Records of Students	Work on the scheme was in progress.
	( iii ) Studies in Vital Statistics—Baroda	Do
	<i>Biochemistry</i> Organic Acid Metabolism in Fruit Tissues	Do

## FACULTY OF MEDICINE

<i>Biochemistry</i>	Inquiry into the investigations on the disturbed Carbohydrate Metabolism in abortions	Work on the scheme was in progress.
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## FACULTY OF TECHNOLOGY AND ENGINEERING

<i>Textile Engineering</i>	( i ) Designing and Manufacturing of three new machines—Hand Spinning Machine, Picker Testing Machine and Cotton Cleaning Machine	These research schemes are carried on in collaboration with the Textile and Allied Industrial Research Organisation.
	( ii ) Evolving a technique to manufacture Ring Traveller	
<i>Architecture</i>	A Study of Taj Mahal	Work on the scheme was in progress.

## (2) Important Events

- ( i ) The University started the following new courses from June, 1957 :
- ( a ) Three Year Degree Courses in the Faculties of Arts, Science and Commerce,
  - ( b ) Pre-Medical Course in the Faculty of Science and
  - ( c ) New integrated Technology and Engineering Degree Course.
- ( ii ) The University started the construction of a new building for the Polytechnic and the ceremony of laying the Corner Stone of the building was performed on the 30th September, 1957 by Dr. Rajendraprasad, President of the Republic of India.





The Vice-Chancellor Shrimati Hansa Mehta delivers the convocation address

(iii) The Seventh Annual Convocation for conferring degrees and diplomas was held on the 12th October, 1957 in the Shamiana specially erected for the purpose in the University gardens. Shrimati Hansa Mehta, the Vice-Chancellor of this University 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 )	1	3	4
2	Ph.D. ( Science )	—	2	2
3	M.D.	—	1	1
4	M.A.	24	26	50
5	B.A. ( Special )	159	88	247
6	B.A. ( General )	1	5	6
7	Shastri	1	1	2
8	Diploma in Library Science	9	2	11
9	M.Sc. ( By papers )	21	23	44
10	B.Sc.	108	118	226
11	M.Ed. ( By papers )	5	24	29
12	M.Ed. ( By Thesis )	—	3	3
13	B.Ed.	42	166	208
14	M.Com.	6	—	6
15	B.Com.	56	75	131
16	Diploma in Banking	3	9	12
17	M.B.,B.S.	22	17	39
18	Diploma in Laryngology & Otology	2	—	2
19	B.E.	76	77	153
20	B.Text. ( Engg. )	3	2	5
21	M.A. ( Fine )	2	—	2
22	M.A. ( Art Criticism )	—	1	1
23	M.Mus.	4	1	5
24	B.A. ( Fine )	4	5	9
25	B.Mus.	6	2	8
26	Diploma in Museology	5	4	9
27	M.Sc. ( Home )	—	3	3
28	B.Sc. ( Home )	22	21	43
29	M.S.W.	8	14	22
Total		590	693	1283



- (iv) The construction work of the University Swimming Pool was completed during the year and the opening ceremony was performed on the 13th October, 1957 by Dr. Jivraj N. Mehta, Minister for Finance, Government of Bombay.
- (v) The Fourth Session of the Indian P.E.N. Conference was held on the 26th, 27th, 28th and the 29th October, 1957 under the auspices of this University. Dr. S. Radhakrishnan, Vice-President of the Republic of India was the President and Pandit Jawaharlal Nehru, Prime Minister of India inaugurated the Conference.
- (vi) Professor T. K. N. Menon, Dean of the Faculty of Education and Psychology of the University went on deputation to Rangoon for about six weeks in October, November and December, 1957, as an educational expert from India to work as a member on the Education Commission set up by the Government of Burma in connection with the four year plan of Burma.
- (vii) The Third Conference of Research Workers in Gujarat was held from the 2nd to the 5th November, 1957 under the auspices of this University. Shrimati Hansa Mehta, Vice-Chancellor was the President of the Conference. Shri Kanaiyalal M. Munshi, Ex-Governor, U. P. inaugurated the Conference.
- (viii) The Eighth University Week was celebrated from the 4th to the 10th December, 1957. The week was inaugurated by Shri Sri Prakash, Governor of Bombay on the 4th December, 1957.
- (ix) The University received a grant of Rs. 5,000/- from the Rockefeller Foundation, New York, for the survey of the prospects of University Publications in India. The Committee which consisted of the representatives of the Universities of Andhra, Baroda and Patna visited different Universities during the period from December, 1957 to June, 1958, studied the existing facilities and prospects of University Publications and submitted a report to the Foundation.
- (x) The construction work of the building of the Out Patient Department of the Sheth Ujamshi Pitambardas Ayurvedic

- Research Unit was completed and the opening ceremony of the department was performed on the 15th February, 1958 by Shri M. S. Kannamwar, Minister for Public Health, Government of Bombay.
- (xi) The Nepalese University Commission visited the various Faculties and Institutions of the University on the 5th, 6th and the 7th March, 1958 and collected information regarding the set up of the University, etc.
  - (xii) The University started the construction work of a new building for the Faculty of Social Work and the ceremony of laying the foundation stone was performed on the 23rd March, 1958 by Shrimati Hansa Mehta, Vice-Chancellor of this University.
  - (xiii) Dr. J. C. George, Professor of Zoology was selected to participate in an International Embryological Research Project arranged from March to September, 1958 at Utrecht, Holland.
  - (xiv) Shri B. K. Zutshi, the Registrar of the University was included in the four-man team of University Administrators sent by the Government of India to U.S.A. under India Wheat Loan Educational Exchange Programme to study administration in various Universities in U.S.A., etc. from March to July, 1958.
  - (xv) The construction work of the new building for the department of Psychology of the Faculty of Education and Psychology was completed during the year and the opening ceremony was performed on the 5th April, 1958 by Dr. K. L. Shrimali, Minister for Education, Government of India.
  - (xvi) Shrimati Hansa Mehta, B.A. (Hons.) relinquished the office of the Vice-Chancellor on the 29th April, 1958 and Dr. Jyotindra M. Mehta, M.A. (Oxon), Ph.D. (London), Bar-at-Law, the new Vice-Chancellor assumed office on the 30th April, 1958.
  - (xvii) The Ford Foundation has approved this University as a Centre for General Education and has assured a grant of 4,30,000 U.S.A. dollars for construction of a building, etc. for the Centre.



#### 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 :

##### FACULTY OF ARTS

Reader : Dr. R. M. Patel

Senior Lecturers : Shri D. K. Shukla ; Shri I. A. Dave

Junior Lecturer : Shri S. D. Parekh

##### FACULTY OF SCIENCE

Senior Lecturers : Shri G. K. Trivedi ; Dr. R. V. Shah ; Dr. C. H. Pathak

Junior Lecturers : Shri M. M. Shah ; Shri G. S. Desai ; Shri A. G. Phatak ; Shri K. L. Desai ; Shri V. C. Shah

##### FACULTY OF EDUCATION AND PSYCHOLOGY

Readers : Dr. A. S. Patel ; Shri T. P. Lele

##### FACULTY OF COMMERCE

Senior Lecturer : Shri C. T. Shah

Junior Lecturer : Shri H. M. Gandhi

##### FACULTY OF TECHNOLOGY AND ENGINEERING

Readers : Shri S. L. Patel ; Shri K. Krishnamurthy ; Shri S. S. Dighe

Senior Lecturers : Shri S. K. Damle ; Shri R. C. Patel ; Shri A. M. Talati ; Shri S. D. Desai

Junior Lecturers : Shri V. H. Majmudar ; Shri V. R. Mathrubhutheswaran ; Shri G. T. Malpathak

##### FACULTY OF FINE ARTS

Junior Lecturers : Shrimati Uma Devi ; Shri V. H. Bedekar

##### FACULTY OF SOCIAL WORK

Senior Lecturer : Shri G. G. Dadlani

##### (2) *Appointments to new teaching posts :*

The following appointments were made during the year on the new posts sanctioned from the 1st July, 1957 or thereafter :

##### FACULTY OF ARTS

Professor : Shri G. B. Pandya

##### FACULTY OF SCIENCE

Professors : Dr. A. R. Chavan ; Dr. J. C. George ; Dr. U. N. Singh

Reader : Shrimati V. A. Janaki

Senior Lecturers : Dr. V. V. Modi ; Shri M. S. Patel

Junior Lecturer : Kumari D. N. Jyoti

##### FACULTY OF TECHNOLOGY AND ENGINEERING

Professors : Shri C. H. Khadilkar ; Shri K. H. Patel ; Shri R. C. Advani

Readers : Shri T. N. Joshi ; Shri N. Y. Hiriyur ; Shri C. C. Shah ; Shri V. B. Cholkar

Senior Lecturers : Shri N. J. Dave ; Shri B. V. Subramanyam ; Shri N. M. Sheth ; Shri N. T. Sheth ; Shri R. M. Dave ; Shri R. N. Mehta

Junior Lecturers : Shri P. R. Bhavé ; Shri O. N. Kansara ; Shri G. C. Patel ; Shri R. S. Gosai ; Shri G. V. Pethe ; Shri A. P. Nerurkar ; Shri H. H. Majmudar ; Shri S. G. Shah

##### FACULTY OF FINE ARTS

Professors : Shri N. N. Chaudhary ; Shri R. C. Mehta

Readers : Shri S. O. Shukla ; Shri J. D. Thaker

Senior Lecturer : Shri S. K. Saxena

##### FACULTY OF HOME SCIENCE

Reader : Kumari Amita J. Mehta

##### FACULTY OF SOCIAL WORK

Readers : Kumari I. D. Malani ; Shrimati P. Bhatt

##### (3) *Teachers who ceased to be on the staff of the University :*

The following teachers left the University during the year :

##### FACULTY OF ARTS

Senior Lecturers : Shri U. S. Bhatnagar ; Shri B. P. Kothari

Junior Lecturer : Dr. Y. V. S. Nath

##### FACULTY OF EDUCATION AND PSYCHOLOGY

Senior Lecturer : Dr. T. V. Srinivasiah

##### FACULTY OF COMMERCE

Reader : Dr. V. Sunder Rajan



## FACULTY OF TECHNOLOGY AND ENGINEERING

Senior Lecturer : Shri B. V. Subramanyam

Junior Lecturer : Shri R. S. Gosai

## FACULTY OF HOME SCIENCE

Junior Lecturer : Kumari Mukta Ratra

## FACULTY OF SOCIAL WORK

Professor : Dr. (Kumari) P. Vakharia

Senior Lecturer : Kumari A. K. Menon

Junior Lecturer : Shri B. R. Deolalikar

## 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 :

Name	Designation	Type of facility	Qualifications acquired
1. Shri N. B. Joglekar	Junior Lecturer in Lithography	Study leave	Art Master styled as A.M., Government Diploma in Commerce Art styled as G.D. Art (Com.), Diploma in Graphic Arts by London County Council styled as Dip. Graphic Arts and City and Guild Certificate Final Lithographic Artistic work
2. Miss Henrietta Christie	Junior Lecturer in the Faculty of Home Science	Leave without pay	M.Sc., University of Tennessee, U.S.A.

(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 K. S. Shah	Junior Lecturer in Mechanical Engineering	Leave without pay; stipend of Rs. 300/- p.m. for 3 years; Rs. 1000/- for purchase of books, etc.	Working under Dr. List for a Doctorate Thesis on 'Diesel Engineering' at Graz, Austria

Name	Designation	Type of facility	Nature of studies
3. Shri R. V. Joshi	Demonstrator in Physics	Due leave and leave without pay	Ph.D. in Physics, University of Leeds, U. K.
4. Shri Baljit Singh	Tutor in Politics	Leave without pay	Ph.D. at the Indian School of International Studies, Delhi and also for Ph.D. Studies in Washington, U.S.A.
5. Dr. A. N. Jani	Senior Lecturer in Sanskrit	Due leave and leave without pay; re-turn Air passage Bombay-Munich, and back; tour grant of Rs. 1000/-; Stipend of an amount equal to 400 marks (German) for 2 months	For the study of Research Methods in Germany
6. Shri S. S. Merh	Senior Lecturer in Geology	Study leave	Ph.D. in Geology at the Imperial College, London

## 6. Finances of the University

(1) Endowments received during the year :

The Syndicate accepted the following new endowments :

## (a) R. B. Govindbhai Hathibhai Desai Memorial Gold Medal Fund

The Syndicate accepted the donation of Rs. 5,000/- and resolved to utilise the annual interest of the same for awarding a gold medal every year at the annual Convocation to the candidate securing the highest number of marks (at least II class) at M.A. with entire Economics. The corpus was invested in  $4\frac{1}{2}\%$  Bombay State Development Loan, 1969, of the face value of Rs. 5,000/-



(b) **Dr. (Shrimati) Krishnabai Patil Gold Medal Fund**

The Syndicate accepted the donation of Rs. 5,000/- and resolved to utilise the annual interest of the same for the award of gold medal every year at the annual Convocation to the candidate of the regular batch, standing first in the subject of Midwifery and Gynaecology at the first attempt at the whole M.B.,B.S. examination. The corpus was invested in 3% Conversion Loan, 1986, of the face value of Rs. 7,000/-.

(c) **Shrimati Hansa Mehta Gold Medal in Architecture Fund**

A sum of Rs. 5,000/- was presented by the students and the staff of the Faculty of Technology and Engineering and the Polytechnic to Shrimati Hansa Mehta, the retiring Vice-Chancellor. The amount was returned by her as donation to the University. The Syndicate accepted the same and resolved to utilise the annual interest of it for awarding a gold medal every year at the annual Convocation from 1959 onwards to the candidate standing first at least with second class at the first attempt in the B.Arch. degree examination. The corpus was invested in 3% Conversion Loan, 1986, of the face value of Rs. 7,000/-.

(d) **Shrimati Hansa Mehta Gold Medal Fund**

A purse of Rs. 5,000/- was presented by the teachers of this University to Shrimati Hansa Mehta, the retiring Vice-Chancellor. The amount was returned by her as donation to this University. The Syndicate accepted the same and resolved to utilise its annual interest for awarding a gold medal every year, at the annual Convocation, by rotation (commencing with the Faculty of Science) to the candidate securing the highest percentage of marks at the Bachelor's degree examination in different Faculties in the University provided, however, that the candidate secures the first class or an equivalent grade. The corpus was invested in 4½% Bombay State Development Loan, 1971, of the face value of Rs. 5,000/-.

(e) **Shri Mohanlal Hargovindas Kantawala Gold Medal Fund**

The Syndicate accepted the donation of Rs. 5,000/- and resolved to utilise its annual interest for awarding a gold medal every year at the annual Convocation to the candidate who stands first at the M. A. examination with Gujarati as Principal subject, provided the candidate has passed the examination at the first attempt at least with second class. The corpus was invested in 4½% Bombay State Development Loan, 1971, of the face value of Rs. 5,000/-.

(2) **Other Endowments:**

(a) **United Nations' Appeal for Children Fund:**

(being the refund of the returnable share of the amount subscribed by the former Baroda Government to the Fund):

During the year, Rs. 2,358=55 were spent out of the interest of Rs. 3,350=18 of the above fund, as under:

(i) **Chetan Balwadi:**

	Rs.
1. Freeships	—
2. Clothes and shoes	2=44
3. Medical aids	96=00
4. Supplementary foods	224=68
5. Food (towards the lunch expense of some children)	80=00
6. Kindergarten	120=00
7. Miscellaneous expenses	48=43
	<hr/> 571=55

(ii) **University Experimental School:**

1. Supply of milk to children	842=50
2. Supply of tonics and medicines and medical aid to children	107=05
3. Fees to poor children	80=00
4. Books to poor children	44=20
5. Recreational toys for children	73=74
	<hr/> 1,147=49

(iii) **Faculty of Social Work:**

(Camp Recreational Centre)

1. Nutrition	342=54
2. Educational material	260=00
3. Exhibition of films	—
4. Contingencies	36=97
	<hr/> 639=51

Total: 2,358=55



The closing balance of the Fund is Rs. 1,10,069=20 which is invested as follows:

3% Conversion Loan, 1986 ( Face value Rs. 1,13,700/- )	Rs. 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	2,039=17
<b>Total:</b>	<b>1,10,069=20</b>

**(b) Critical Edition of Ramayana Fund:**

A donation of Rs. 3,000/- was received during the year from Sir Dorabji Tata Trust, Bombay.

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 1957-58 are as follows:

Receipts	Rs.	Expenditure	Rs.
Opening balance as on 1-7-1957	52,722=44	Expenditure	34,607=83
Donation	3,000=00	Closing balance as on 30-6-1958	41,114=61
Grant from the University Grants Commission	20,000=00		
	<u>75,722=44</u>		<u>75,722=44</u>

**(3) Capital Funds:**

**Receipts and Payments for the year 1957-58 i.e. from the 1st July, 1957 to the 30th June, 1958:**

**I. University General Fund**

Receipts	Rs.	Payments	Rs.
Interest	17,015=67	Water Supply Scheme in the University Campus	15,372=94
Donations for Buildings at Samiala	50,000=00	2nd Hall of Residence for Women students	3,17,690=83
		Hall of Residence for Students No. V	92,578=38
		Faculty of Fine Arts Buildings	21,775=15
<b>(Carried forward)</b>	<b>67,015=67</b>	<b>(Carried forward)</b>	<b>4,47,417=30</b>

Receipts	Rs.	Payments	Rs.
(Brought forward)	67,015=67	(Brought forward)	4,47,417=30
		University Library	2,73,231=62
		Sports Pavilion	2,170=47
		Open Air Theatre	5,391=31
Miscellaneous	1,479=00	Swimming Pool	17,152=58
		Special Heavy Repairs to the Buildings	13,330=27
Opening balance	1,80,800=95	Loss on sale of Securities	1,527=00
<b>Total</b>	<b>2,49,295=63</b>	<b>Total</b>	<b>7,60,220=55</b>

Receipts	Rs.	Payments	Rs.
Excess of expenditure over receipts i.e. Deficit	1,60,924=92	Less adjustment of expenditure on 2nd Hall of Residence for Women students to the Government Grants	3,50,000=00
<b>Total</b>	<b>4,10,220=55</b>	<b>Total</b>	<b>4,10,220=55</b>

**II. Technology and Engineering Faculty Fund**

Receipts	Rs.	Payments	Rs.
Interest	64,673=85	Buildings for Technology Section	25,644=80
		Equipment for Technology Section	20,504=19
Adjustment in expenditure of construction of Building for Engineering Section	928=61	Equipment for Engineering Section	19,444=39
		Loss on sale of Securities Amount transferred to Revenue Account towards the maintenance of the Faculty of Technology and Engineering	1,58,962=80
		Equipment and Cold Room for Biochemistry Department	15,000=00
		Advance to University Press:	
		For Types	5,184=41
		For Machinery	70,856=56
		For Building	1,18,988=07
Opening balance	12,70,518=87	<b>Total</b>	<b>4,97,967=17</b>
<b>Total</b>	<b>13,36,121=33</b>	<b>Total</b>	<b>8,38,154=16</b>
		<b>Total</b>	<b>13,36,121=33</b>



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

Receipts	Rs.	Payments	Rs.
Interest	27,816=07	Construction of Rasa Shala	2,534=98
Amount transferred by the Government of Bombay (3% Conversion Loan, 1986)	2,00,000=00	Building and Equipment of the Out Patient Ward and Dispensary	5,652=63
		Amount transferred towards meeting excess recurring expenditure over the grant of Rs. 36,000/-	3,897=30
		Total	12,084=91
Opening balance	8,56,921=06	Closing balance	10,72,652=22
Total	10,84,737=13	Total	10,84,737=13

### IV Post-Graduate Instruction and Research Fund

	Rs.		Rs.
Interest	1,19,286=75	Transfer to Revenue Account towards the expenditure on Research staff, contingencies, equipment etc.	30,000=00
Opening balance	38,75,472=22	Closing balance	39,64,758=97
Total	39,94,758=97	Total	39,94,758=97

### V Women's Educational Trust Fund

	Rs.		Rs.
Interest	2,062=38	Home Science Faculty Building	4,098=45
Adjustment of last year's expenses on Building to Government Grant account	20,000=00	Transfer to Revenue Account towards the maintenance of the Faculty of Home Science	699=13
		Loss on sale of Securities	20,373=09
		Total	25,170=67
Opening balance	66,190=21	Closing balance	63,081=92
Total	88,252=59	Total	88,252=59

### (4) Revenue Funds:

Receipts and Expenditure for the year 1957-58 i.e. from the 1st July, 1957 to the 30th June, 1958  
(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	12,40,255.63	I	University General Administration	2,18,040.68
(A)	Faculties		II	Examination Charges	2,32,368.93
(a)	Faculty of Arts	1,34,571.37	III	Deadstock and Repairs	19,302.22
(b)	Faculty of Science	1,24,537.56	IV	Publications	10,262.58
(c)	Faculty of Education and Psychology	90,125.74	V	Information and Publicity	6,995.24
(d)	Faculty of Commerce	88,011.22	VI	Remuneration to Lecturers	—
(e)	Faculty of Technology and Engineering	4,68,300.46	VII	Travelling Allowance	42,776.99
(f)	Faculty of Fine Arts	21,752.80	VIII	Printing and Stationery	41,700.82
(g)	Faculty of Home Science	43,113.72	IX	Maintenance of Buildings & Roads	40,126.18
(h)	Faculty of Social Work	30,289.70	X	Maintenance of Gardens	18,087.00
(B)	Institutions		XI	Municipal Rates, Taxes and Law Charges	2,397.86
(a)	Oriental Institute	—	XII	University Contribution to Provident Fund	5,778.98
(b)	College of Indian Music, Dance and Dramatics	31,500.18	XIII	Study Leave	13,005.32
(c)	Intermediate College	2,13,048.54	XIV	Miscellaneous	95,094.74
(d)	Sanskrit Mahavidyalaya	4.34	XV	Research Staff, Contingencies, Equipment etc.	73,195.95
II	Examination Fees	2,25,887.08	XVI	Union Public Service Commission	—
III	Other Fees	85,922.65	XVII	Training Class	—
IV	Income from Publications	18,337.83	XVIII	University Library	1,31,494.36
V	Grant from the Government of Bombay	18,84,496.00	XIX	Physical Education Department	69,380.03
				Department of General Education	8,452.05



S. No.	Particulars	Receipts in Rs.	S. No.	Particulars	Expenditure in Rs.
VI	Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	3,00,000.00	XX	Faculties and Institutions	29,50,394.01
VII	Interest on Cash Balances	26,462.01	(A)	Faculties	
VIII	Income from Endowments	46,373.57	(a)	Faculty of Arts	3,29,978.73
IX	Income from Halls of Residence for Students collected by Baroda Bank Extension Unit	1,23,250.00	(b)	Faculty of Science	5,13,509.82
X	Income from use and occupations of University quarters and Bungalows including furniture rent	41,319.80	(c)	Faculty of Education and Psychology	2,26,440.30
XI	Income from lease of land and trees	3,435.00	(d)	Faculty of Commerce	83,378.80
XII	Miscellaneous Income	58,828.47	(e)	Faculty of Technology and Engineering	8,40,669.51
XIII	Income from M. S. University of Baroda Press (Sadhana Press)	2,66,978.71	(f)	Faculty of Fine Arts	1,94,481.98
	Total Receipts :	43,21,546.75	(g)	Faculty of Home Science	1,86,995.25
	Excess of Expenditure over Receipts i.e. Deficit	70,340.17	(h)	Faculty of Social Work	1,14,712.88
			(B)	Institutions	
			(a)	Oriental Institute	77,908.51
			(b)	College of Indian Music, Dance and Dramatics	1,63,681.02
			(c)	Intermediate College	1,72,578.72
			(d)	Sanskrit Mahavidyalaya	46,058.49
			XXI	Halls of Residence for Students	1,46,285.41
			XXII	M. S. University of Baroda Press (Sadhana Press)	2,66,747.57
	Total Receipts	43,91,886.92		Total Expenditure	43,91,886.92

## (5) Grants :

The following grants were received from the University Grants Commission, Government of India, Planning Commission, Community Projects Administration, Government of Bombay and other Government Departments, during the year 1957-58 i.e. from the 1st July, 1957 to the 30th June, 1958:

## A. Grants from the University Grants Commission :

	Items	Rs.
1	Building for the University Library	2,00,000.00
2	Second Hall of Residence for Women Students	2,00,000.00
3	Building for the Faculty of Commerce	60,000.00
4	Extension to the Building of the Faculty of Education and Psychology for the Psychology Department	50,000.00
5	Common Room for Women Students	25,000.00
6	Additional Building for the Faculty of Science	1,00,000.00
7	Building for the Faculty of Technology and Engineering under Expansion Scheme	60,080.00
8	Building for the Polytechnic under Expansion Scheme	1,00,000.00
9	Books on humanities	30,000.00
10	Books on scientific and technical subjects	50,000.00
11	Equipment for the Faculty of Technology and Engineering under the Development Scheme	23,400.00
12	Equipment for the Faculty of Technology and Engineering under Expansion Scheme	39,920.00
13	Equipment for the Polytechnic under Expansion Scheme	2,25,000.00
14	Additional Staff for the Faculty of Science	5,721.00
15	Additional Staff for the Faculty of Technology and Engineering under Development Scheme	13,208.79
16	Scheme of editing a critical and illustrated edition of Valmiki Ramayana	20,000.00
17	Post-graduate and Research Scholarships (Humanities)	3,746.78



**B. Grants from the Ministry of Education, Government of India :**

Items	Rs.
1 Grant for Youth Welfare Programmes, Tours, etc.	939.00
2 Grant for " Research in Educational and Vocational Guidance "	9,893.00
3 Grant for ' Construction and Standardisation of sets of Achievement Test in Secondary Schools '	6,502.00
4 Grant for National Cadet Corps	635.00
5 Grant for Labour and Social Service Camp at Aat	676.00
6 Grant for P.E.N. All India Writers' Conference	2,500.00

**C. Grant from the Planning Commission :**

Grant for ' Small Scale and Cottage Industries in Baroda District '	3,500.00
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**D. Grant from the Government of India, Community Projects Administration :**

Grant for books and equipments for the Social Education Organizers' Training Centre	63,000.00
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**E. Grants from the Council of Scientific and Industrial Research :**

1 Grant for ' Optical Studies on Etched Surfaces of Metal Alloy Crystals '	21,706.67
2 Grant for ' Studies on C <sup>4</sup> Metabolism in A. Niger '	1,052.20

**F. Grant from the Government of Bombay, Industries Department :**

Grant for ' Studies on Food Yeast '	1,198.75
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**G. Grants from the Government of Bombay, Education Department :**

1 1/3rd grant for equipments for Science Departments	68,000.00
2 1/2 grant for additional staff in the Faculty of Science	6,250.00
3 1/2 grant for the Second Hall of Residence for Women students	1,50,000.00
4 1/3rd grant for the extension to the building of the Faculty of Education and Psychology for the Psychology Department	10,228.00

**Items Rs.**

5 1/3rd grant for the extension to the building of the College of Indian Music, Dance and Dramatics	50,000.00
6 1/3rd grant for Common Room for women students	16,667.00
7 1/3rd grant for Vivarium for Zoology Department	3,300.00
8 1/3rd grant for extension to the building of the Faculty of Home Science for providing a Post-graduate Laboratory	6,600.00
9 1/3rd grant for construction of Central Workshop for Science Departments	8,000.00
10 1/3rd grant for additional building of the Faculty of Science	1,46,600.00
11 Grant for ' Socio-Historical Survey of the Muslim Population of Gujarat '	7,625.00

(a) Non-recurring 5,017.00

(b) Recurring 2,608.00

7,625.00

**H. Grants from the Government of Bombay, Agriculture and Forests Department :**

Grant for Home Science Wing 32,382.17

(a) Building 7,800.87

(b) Equipment & Furniture 1,779.62

(c) Freight, Custom duties for the personal carrier 388.73

(d) Recurring Expenditure for staff, etc. 22,412.95

32,382.17

**7. 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, two Assistant Deputy Engineers, 45 Class III and 39 Class IV servants.



## (b) Original works completed :

The following original works were completed 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 to the Building of the Faculty of Technology and Engineering	41,921.26	8,61,221.84
( ii ) Door for staircase of Central Hall of the Kalabhavan Building		
( iii ) Electric installation in the New Extension of Central Hall of Kalabhavan		
( iv ) Constructing a Cold Storage room for the Biochemistry Department		
<b>II University General Fund :</b>		
( i ) Second Hall of Residence for Women Students (Shrimati Hansa Mehta Hall)	3,17,690.83	5,75,323.84
( ii ) Fifth Hall of Residence for Men Students (Shri K. M. Munshi Hall)	92,578.38	5,72,175.04
( iii ) Swimming Pool	17,152.58	65,300.08
( iv ) Providing Spot and Flood Lights in the Open Air Theatre, Faculty of Education and Psychology	5,391.31	5,391.31
( v ) Sports Pavilion	2,170.47	2,07,426.18
( a ) Laying garden patas and roads		
( b ) Providing Flood Lights in the Stadium		
( vi ) Electric installation to the New Blocks of the Rural Community and Welfare Institute and Training Centre at Samiala	371.81	1,55,359.02

Description of work	Expenditure during the year Rs.	Total Expenditure Rs.
<b>III Special Heavy Repairs :</b>		
( i ) Lavatory block on the first floor of Shri Dadabhai Naoroji Hall ( Providing light points )	124.00	6,144.87
( ii ) Renewal of ceiling fans	3,398.49	6,838.04
( iii ) Renewing rain water gutters of the Workshop of the Faculty of Technology and Engineering	2,079.91	8,219.41
( iv ) Renewing wooden doors of the Central Hall of Baroda College	4,699.08	4,699.08
( v ) Renewing flooring of Baroda College Building	607.14	15,681.86
<b>IV Depreciation Fund :</b>		
( i ) Dismantling and re-building the compound wall on east side of College of Indian Music, Dance and Dramatics	5,846.19	5,859.19
( ii ) Renewing rain water gutters of the Workshop of the Faculty of Technology and Engineering ( Weaving Shed )	3,182.33	3,182.33
<b>V Women's Education Trust Fund :</b>		
Providing Electric installation in the New Extension— Faculty of Home Science	4,098.45	48,191.61
<b>VI Sheth U. P. A. R. Unit. :</b>		
( i ) Providing electric installation in the New Extension to Ras-Shala Building	1,065.69	4,117.85
( ii ) Providing sinks, wash basins, and gas connection with drainage arrangements in New Experimental Laboratory of Ras-Shala	1,894.54	
( iii ) Providing steel tank for Sheth U. P. A. R. Unit	451.00	
( iv ) Providing and fixing wash basin, sink etc., in the Out Patient Department of Sheth U. P. A. R. Unit	706.62	



Description of work	Expenditure during the year Rs.	Total Expenditure Rs.
<b>VII Works of Grants :</b>		
( i ) Different works at Samiala		
( ii ) Works of Home Economics Wing	32,390.92	48,070.35
	2,137.68	49,918.74
( iii ) Extension to the building of the Faculty of Education and Psychology for Psychology Department	1,17,082.33	1,17,130.33
( iv ) Constructing Central Workshop, Faculty of Science	25,435.19	25,444.94
( v ) Common Room for Women Students in the Faculty of Arts	48,928.37	48,928.37
( c ) Works in Progress :		
The following works were in progress during the year :		
<b>I Faculty of Technology and Engineering :</b>		
( i ) Providing additional tube lights and fans in room No. 2 of the Faculty of Technology and Engineering	1,013.76	1,013.76
( ii ) Providing gas line to gas cocks in various laboratories and wooden border to R. C. C. Platform in Civil Engineering Department of the Faculty of Technology and Engineering	354.87	354.87
( iii ) Asphalting the road in the Workshop of the Faculty of Technology and Engineering	1,867.02	1,867.02
( iv ) Extension of Heat Engines Laboratory in the Faculty of Technology and Engineering	1.00	1.00
( v ) Exhibition Hall between Weaving and Spinning Sections of the Faculty of Technology and Engineering	1.00	1.00

Description of work	Expenditure during the year Rs.	Total Expenditure Rs.
( vi ) Extension of the Boiler Shed in the Faculty of Technology and Engineering	337.72	337.72
( vii ) Providing D.A., plug points and light points in the Applied Mechanics Department of the Faculty of Technology and Engineering	8,067.49	8,067.49
( viii ) Providing electric installation in the New Extension and Cold Room of Biochemistry Laboratory	6,113.37	6,113.37
<b>II University General Fund :</b>		
( i ) University Library Building	4,73,231.41	12,17,426.15
( ii ) Water Supply Scheme for University Campus	15,372.93	1,29,734.97
( iii ) New Building of the University Press	1,18,988.07	1,18,988.07
<b>III Depreciation Fund :</b>		
( i ) Thorough repairs to the roof of the College of Indian Music, Dance and Dramatics	24,651.70	24,651.70
( ii ) Renewing the dilapidated verandah in Dhanvantary and Chamelibag Bungalows	6,045.54	6,045.54
<b>IV Works of Grants :</b>		
( i ) Buildings for the Faculty of Technology and Engineering	97,449.69	97,449.69
( ii ) Works of New Diploma Institute :		
( a ) Polytechnic	2,20,643.13	2,20,643.13
( b ) Well near Polytechnic	1,925.49	1,925.49
( iii ) Vivarium for Zoology Department of the Faculty of Science	4,354.35	4,354.35



Description of work		Expenditure during the year Rs.	Total Expenditure Rs.
(iv)	Extension to the Building of the Faculty of Science	16,052.79	16,052.79
(v)	Extension to the Building of the College of Indian Music, Dance and Dramatics	13,345.41	13,345.41
(vi)	Building of the Faculty of Commerce	83,929.95	83,929.95
(vii)	Building of the Faculty of Social Work	27,443.14	27,443.14
(viii)	Shed for Stone Carving and Pottery Department of the Faculty of Fine Arts	21,775.15	21,775.15
(ix)	Art-Wing-Cum-Model Information Centre with stage at S.E.O. Training Centre at Samiala	5,504.92	5,504.92
(x)	Building for General Education Centre (Grant from Ford Foundation Office)	19.50	19.50

**(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 the Botanical Gardens were looked after and maintained by the Construction Division.

**8. University Examination Results**

During the year, 5 candidates were declared qualified for the Ph.D. degree—one each in Sanskrit, Ancient Indian History, Zoology, Chemistry and Biochemistry.

The following two statements show the results of October-December, 1957 and March-April-June, 1958 examinations :

**Results of University Examinations of the Second Half of 1957 ( October-December, 1957 )**

Sr. No.	Examination	No. registered	Absent	No. appeared		Number passed								Grand Total	Percentage of Passes	Remarks	
				Men	Women	Total	Men				Women						
							Class I	Class II	Class	Pass	Total	Class I	Class II				Class
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	B.Sc. (Subsidiary) *	38	1	37	—	37	—	—	31	31	—	—	—	—	31	83.79	
2	B.Com.	30	—	30	—	30	—	—	16	16	—	—	—	—	16	53.33	
3	Ist M.B., B.S. *	62	—	54	8	62	—	—	29	29	—	—	—	5	34	54.34	
4	IInd M.B., B.S. *	61	—	51	10	61	—	—	39	39	—	—	—	6	45	73.77	
5	IIIrd M.B., B.S. *	54	1	46	7	53	—	—	20	20	—	—	2	2	22	41.51	
6	M.Sc. (Physiology)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	
7	D.A. *	2	—	2	—	2	—	—	2	2	—	—	—	—	2	100.00	
8	D.L. & O. *	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
9	M.D. *	3	—	2	1	3	—	—	1	1	—	—	—	—	1	33.33	
10	M.S. *	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	
11	B.E. (Civil)	9	—	9	—	9	—	1	4	5	—	—	—	—	5	55.55	
12	B.E. (Mechanical)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	
13	B.E. (Electrical)	5	—	5	—	5	1	1	3	5	—	—	—	—	5	100.00	
14	Diploma in Civil Engineering	16	—	16	—	16	—	—	7	7	—	—	—	—	7	43.75	
15	Diploma in Mechanical Engineering	11	—	11	—	11	—	2	4	6	—	—	—	—	6	54.54	
16	Diploma in Electrical Engineering	7	—	7	—	7	—	3	1	4	—	—	—	—	4	57.14	
17	M.S.W.	4	—	4	—	4	—	—	3	3	—	—	—	—	3	75.00	

\* Results of these examinations are not declared in classes.



# Results of University Examinations of the First Half of 1958 ( March-April-June, 1958 )

S. No.	Examination	No. registered		No. appeared		Number passed								Grand Total	Percentage of Passes	Remarks	
						Men				Women							
		Absent	Men		Women		Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Preparatory Arts	416	3	265	148	413	—	31	158	189	1	35	78	114	303	73.54	Result of one student not declared
2	Inter Arts	37	2	23	12	35	—	2	15	17	—	1	9	10	27	77.14	
3	F. Y. B. A.	296	1	189	106	295	7	44	106	157	1	47	47	95	252	85.42	
4	B. A. ( General )	2	—	2	—	2	—	—	2	2	—	—	—	—	2	100.00	
5	B. A. ( Special )	185	3	135	47	182	8	50	53	111	3	27	15	45	156	85.71	
6	M. A.	69	10	51	8	59	5	11	24	40	—	6	1	7	47	79.66	
7	Post-graduate Diploma in Library Science	11	1	8	2	10	1	1	1	3	—	2	—	2	5	50.00	
8	Visharad	3	1	2	—	2	—	—	1	1	—	—	—	—	1	50.00	
9	Shastri	4	—	4	—	4	—	1	11	2	—	—	—	—	2	50.00	
10	Acharya	2	—	2	—	2	—	—	2	2	—	—	—	—	2	100.00	

## Results of University Examinations of the First Half of 1958 ( March-April-June, 1958 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
11	Preparatory Science	557	2	499	56	555	13	144	152	309	2	20	14	36	345	62.38	Results of 2 students not declared
12	Inter Science	56	4	50	2	52	1	9	31	41	—	1	—	1	42	80.77	
13	F. Y. B.Sc.	93	—	82	11	93	3	25	24	52	—	5	2	7	59	63.44	
14	Pre-medical	58	—	49	9	58	14	25	10	49	2	6	1	9	58	100.00	
15	B.Sc.	165	2	149	14	163	14†	39	64	117	3†	5	4	12	129	79.14	† Include 7 and 1 students respectively with distinction
16	B.Sc. ( Subsidiary )*	121	5	99	17	116	—	—	75	75	—	—	14	14	89	76.72	
17	M.Sc. ( Papers )	43	—	41	2	43	5†	18	7	30	1	—	1	2	32	74.42	† Includes 1 student with distinction
18	T.D.*	30	—	27	3	30	—	—	26	26	—	—	3	3	29	96.66	
19	B.Ed.	106	1	93	12	105	10	54	26	90	—	9	2	11	101	96.19	
20	M.Ed. ( Papers )	15	—	12	3	15	1	6	4	11	—	2	1	3	14	93.33	
21	M.Ed. ( Thesis )*	3	—	2	1	3	—	—	2	2	—	—	1	1	3	100.00	
22	Preparatory Commerce	385	5	379	1	380	1	33	187	221	1	—	—	1	222	58.42	



## Results of University Examinations of the First Half of 1958 ( March-April-June, 1958 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
23	(a) Inter Commerce (b) Inter Commerce* (Vide O. 434 in Account- ancy only)	35 16	— 2	35 14	— —	35 14	— —	1 —	17 6	18 6	— —	— —	— —	— —	18 6	51.43 42.86	
24	F.Y.B. Com.	240	—	239	1	240	3	34	109	146	1	—	—	1	147	61.25	
25	(a) B.Com. (b) B.Com.* (Vide O. 434 (B.A.) Students	88 8	5 —	83 8	— —	83 8	2 —	17 —	38 4	57 4	— —	— —	— —	— —	57 4	68.67 50.00	
26	M.Com.	10	1	8	1	9	—	2	3	5	—	—	1	1	6	66.67	
27	Diploma in Co-operation*	26	2	24	—	24	—	—	17	17	—	—	—	—	17	70.83	
28	Post-graduate Diploma in Banking*	10	—	10	—	10	—	—	7	7	—	—	—	—	7	70.00	
29	Ist M.B., B.S.*	33	—	29	4	33	—	—	20	20	—	—	3	3	23	69.69	
30	IInd M.B., B.S.*	28	—	23	5	28	—	—	9	9	—	—	5	5	14	50.00	
31	IIIrd M.B., B.S.*	53	—	45	8	53	—	—	24	24	—	—	3	3	27	50.94	
32	M.Sc. (Medical subjects)	2	1	1	—	1	—	—	1	1	—	—	—	—	1	100.00	
33	D.L. & O.*	2	—	2	—	2	—	—	1	1	—	—	—	—	1	50.00	

38

## Results of University Examinations of the First Half of 1958 ( March-April-June, 1958 )

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
34	M.D.*	6	—	6	—	6	6	—	2	2	—	—	—	—	2	33.33	
35	M.S.*	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	
36	F.E. (CMETeTt)—New	250	—	248	2	250	19†	80	78	177	—	—	1	1	178	71.20	† Includes 4 students with distinction
37	(a) F.E. (CMETeTt)— Old	313	—	313	—	313	39†	139	86	264	—	—	—	—	264	84.34	† Includes 14 students with distinction
	(b) F.E. (Old)* Vide O. 635	29	—	29	—	29	—	—	27	27	—	—	—	—	27	93.10	
38	S.E. (CMETeTt)	198	—	198	—	198	23†	83	63	169	—	—	—	—	169	85.35	† Includes 5 students with distinction
39	(a) B.E. (Civil)	45	—	45	—	45	7†	21	10	38	—	—	—	—	38	84.44	† Includes 1 student with distinction
	(b) B.E. (Mechanical)	24	—	24	—	24	12†	9	1	22	—	—	—	—	22	91.67	† Includes 1 student with distinction
	(c) B.E. (Electrical)	24	—	24	—	24	10†	11	—	21	—	—	—	—	21	87.50	† Includes 3 students with distinction
40	T.Text. (Engineering)	11	—	11	—	11	4	7	—	11	—	—	—	—	11	100.00	

39



# Results of University Examinations of the First Half of 1958 (March-April-June, 1958)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
41	T.Text (Technology)	1	—	1	—	1	—	1	—	1	—	—	—	—	1	100.00	
42	B.Text (Engineering)	8	—	8	—	8	5	3	—	8	—	—	—	—	8	100.00	
43	Intermediate Architecture	57	2	52	3	55	7	19	13	39	1	—	1	2	41	74.54	
44	(a) F.Y. Diploma in Engineering (CME)	296	—	296	—	296	18	77	129	224	—	—	—	—	224	75.67	
	(b) F.Y. Diploma in Engineering (CME)* (Vide O. 591)	62	—	62	—	62	2	1	59	62	—	—	—	—	62	100.00	
45	S.Y. Diploma in Engineering (CME)	153	—	153	—	153	34	53	50	137	—	—	—	—	137	89.54	
46	Diploma in Civil Engineering	76	1	75	—	75	5	26	37	68	—	—	—	—	68	90.66	
47	Diploma in Mechanical Engineering	51	—	51	—	51	6	26	15	47	—	—	—	—	47	92.15	
48	Diploma in Electrical Engineering	34	1	33	—	33	6	16	8	30	—	—	—	—	30	90.91	
49	Diploma in Textile Chemistry	61	—	61	—	61	15	24	20	59	—	—	—	—	59	96.72	
50	Diploma in Textile Technology	41	1	40	—	40	1	12	25	38	—	—	—	—	38	95.00	

# Results of University Examinations of the First Half of 1958 (March-April-June, 1958)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
51	Diploma in Architecture	8	—	8	—	8	—	—	6	6	—	—	—	—	6	75.00	
52	Diploma in Music *	33	—	27	6	33	—	—	17	17	—	—	6	6	23	69.69	
53	Diploma in Dance *	4	—	—	4	4	—	—	—	—	—	—	4	4	4	100.00	
54	Diploma in Dramatics *	4	—	4	—	4	—	—	3	3	—	—	—	—	3	75.00	
55	Post Diploma Course in Dancing *	4	—	—	4	4	—	—	—	—	—	—	4	4	4	100.00	
56	B.Mus. *	6	—	2	4	6	—	—	1	1	—	—	4	4	5	83.33	
57	M.Mus. *	2	—	1	1	2	—	—	1	1	—	—	1	1	2	100.00	
58	Post Diploma specialisation (Sculpture) *	1	—	1	—	1	—	—	1	1	—	—	—	—	1	100.00	
59	(a) B.A. (Fine Painting) *	5	—	5	—	5	—	—	5	5	—	—	—	—	5	100.00	
	(b) B.A. (Fine Sculpture) *	2	—	2	—	2	—	—	1	1	—	—	—	—	1	50.00	
60	Post-Graduate Diploma in Museology *	5	—	5	—	5	1†	—	4	5	—	—	—	—	5	100.00	† Passed with distinction
61	B.Sc. (Home) *	37	—	—	37	37	—	—	—	—	—	—	37	37	37	100.00	
62	M.Sc. (Home) *	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	
63	M.S.W. *	13	—	9	4	13	—	—	8	8	—	—	4	4	12	92.31	
64	Ph.D. (Arts) *	2	—	2	—	2	—	—	2	2	—	—	—	—	2	100.00	
65	Ph.D. (Science) *	3	—	3	—	3	—	—	3	3	—	—	—	—	3	100.00	

\* Results of these examinations are not declared in Classes.



## CHAPTER II—OFFICERS AND AUTHORITIES OF THE UNIVERSITY

### 1. Officers

#### (1) The Chancellor :

His Highness Maharaja 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 period from the 1st July, 1957 to the 29th April, 1958. She attended the following meetings in India during the period :

- (a) Vice-Chancellors' Conference at Delhi from the 28th July to the 3rd August, 1957.
- (b) Inaugurated the Health Seminar at Bombay on the 13th September, 1957.
- (c) Ahmedabad Mahila Congress at Ahmedabad on the 24th September, 1957.
- (d) P.E.N. Conference in Baroda from the 26th to the 28th October, 1957.
- (e) All India Womens' Conference (Gujarat Branch) in Baroda on the 30th and the 31st October, 1957.
- (f) Gujarat Research Workers' Conference in Baroda from the 2nd to the 5th November, 1957.
- (g) Executive Committee meeting of the All India Social Workers' Conference at Delhi from the 8th to the 13th November, 1957.
- (h) Estimate Committee meeting at Delhi on the 13th and the 14th November, 1957.
- (i) All India Secondary Education Council meetings at Delhi from the 15th to the 18th November, 1957 and from the 12th to the 15th March, 1958.
- (j) Planning Forums meeting at Delhi on the 12th December, 1957.
- (k) Conference of the Indian Council of Social Work at Madras from the 1st to the 6th January, 1958.
- (l) Joint Board of the Vice-Chancellors of the State Universities at Poona from the 7th to the 11th January, 1958.

- (m) Central Board of Education meeting at Delhi on the 6th and the 7th February, 1958.
- (n) Indian National Commission meeting at New Delhi on the 21st and the 22nd February, 1958.
- (o) University Grants Commission's Conference on the Teaching of English at New Delhi on the 26th, 27th and the 28th March, 1958.

She also attended the thirty-third Annual meeting of the Inter-University Board of India, Burma and Ceylon at the University seat in Perudeniya in Ceylon on the 16th and the 17th December, 1957.

Dr. Jyotindra M. Mehta, M.A., Ph.D., Bar-at-Law who was elected as Vice-Chancellor assumed office on the 30th April, 1958 and continued to work as Honorary Vice-Chancellor upto the end of the year under report. He attended the following meetings in India during the period from the 30th April to the 30th June, 1958 :

- (a) Bombay University Senate meeting at Bombay on the 30th April, 1958.
- (b) Second meeting of the Bombay State Executive Committee of the University Planning Forums at Bombay on the 23rd June, 1958.
- (c) Meeting of the State University Vice-Chancellors with the Chief Minister, Government of Bombay at Bombay on the 24th June, 1958.

He also delivered a lecture on 'Economic and Political Implications of the Indian Constitution' at the Harold Laski Institute at Ahmedabad on the 29th June, 1958.

#### (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. He attended the following meetings in India during the year :

- (a) 45th Session of the Indian Science Congress at Madras on the 5th January, 1958.
- (b) Bombay State Industrial Research Sub-Committee meeting at Bombay on the 14th March, 1958.
- (c) Bombay State Industrial Research Committee meeting at Bombay on the 20th May, 1958.



(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.
Science	Professor N. M. Bhatt, M.Sc., Ph.D., LL.B., F. S. S.
Education and Psychology	Professor T. K. N. Menon, B.A., Dip. in Edu., M.A. (Edu.) (except for the period from 27-10-1957 to 16-12-1957 when Professor S. N. Mukerji, officiated on the post)
Commerce	Professor V. Y. Kolhatkar, M.Com., M.Sc.
Medicine	Dr. A. N. de Quadros, M.B., B.S., D.P.H., F.R.C.S.
Technology and Engineering	Professor D. Subbarao, B.E. (Civil), A.M.I.E.
Fine Arts	Professor Markand Bhatt, G.D. (Art), M.A.
Home Science	Professor (Kumari) Justina A. Singh, M.Sc.
Social Work	Professor (Kumari) Parin Vakharia, B.A., Dip. in S.S.A., M.S., Ph.D. (upto 21-8-1957) Shrimati Indra S. Tayal, B.S., M.S., M.S.W. (from 22-8-1957)

(5) *The Registrar:*

Shri B. K. Zutshi, M.A., LL.B. continued to work as Registrar. He was granted duty leave from the 17th March to the 20th July, 1958 to go to United States of America on a study tour under the India Wheat Loan Educational Exchange Programme. Shri B. M. Nanavaty, B.A., D.Ed., Deputy Registrar worked as Acting Registrar during the period of Shri Zutshi's duty leave.

(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 (upto 31-3-1958)
Professor B. J. Sandesara, M.A., Ph.D.	(from 1-4-1958)

<i>Name</i>	<i>Designation</i>
(ii) Professor R. C. Mehta, B.A.	Principal, College of Indian Music, Dance and Dramatics
(iii) Shri H. C. Mehta, M.A., B.T.	Principal, Baroda Sanskrit Mahavidyalaya
(iv) Shri V. D. Salgaonkar, M.A., LL.B. (upto 13-3-1958) Shri C. M. Shukla, B.A. (Hons.), M.A. (from 14-3-1958)	Principal, Intermediate College
(v) Professor P. J. Madan, B.Sc. Eng., M.Sc. Eng., D.I.C., M.St. H.E., A.M.I.E. (upto 30-4-1958) Professor L. B. Shah, B.Sc., M.Sc. (Tech.), A.M.C.T., A.M.I.E. (from 1-5-1958)	Principal, Polytechnic
(vi) Shri K. S. Yajnik, M.A., B.T. (upto 22-7-1957) Shri G. P. Bhatt, M.A., B.T., M.Ed. (from 23-7-1957)	Principal, University Experimental School
(vii) Shri N. B. Patel, B.E. (Civil) A.M.I.E.	University Engineer
(viii) Shri C. M. Shukla, B.A. (Hons.), M.A.	Chief Warden, Halls of Residence
(ix) Shri R. J. Patel, B.A.	Manager, University Press
(x) Shri B. K. Naik, Dip. in Phy. Edu., B.S. (P.E.), M.P.E.	Superintendent, Physical Education
(xi) Shri K. S. Yajnik, M.A., B.T. (from 26-7-1957)	Co-ordinator, General Education Department

2. *Authorities*(1) *The Senate:*

The Senate consisted of 92 members in the beginning of the year. Subsequently, Shrimati Hansa Mehta Library and Polytechnic were recognised as constituent colleges and the Heads of these Institutions became ex-officio members of the Senate raising the strength of the members to 94. Towards the end of the year Shrimati Hansa Mehta, relinquished the office



of the Vice-Chancellor and became an ex-officio member of the Senate as ex-Vice-Chancellor, bringing the total strength to 95. The following were the changes in the membership of the Senate during the year :

- ( a ) Dr. Jyotindra M. Mehta, became an ex-officio member of the Senate consequent upon his assuming charge of the office of the Vice-Chancellor on the 30th April, 1958.
- ( b ) Shrimati Hansa Mehta, relinquished the office of the Vice-Chancellor on the 29th April, 1958 and became an ex-Officio Fellow as Ex-Vice-Chancellor from the 30th April, 1958.
- ( c ) Shri M. P. Desai, Vice-Chancellor, Gujarat University became an ex-officio Fellow from the 30th November, 1957 vice Shri H. V. Divetia.
- ( d ) Dr. Premila V. Thackersey, Vice-Chancellor, S. N. D. T. Women's University became an ex-officio Fellow from the 11th November, 1957 vice Diwan Bahadur K. M. Zaveri expired.
- ( e ) Shri C. M. Shukla, Principal, Intermediate College became an ex-officio Fellow from the 14th March, 1958 vice Shri V. D. Salgaonkar retired.
- ( f ) Professor B. J. Sandesara, Director, Oriental Institute became an ex-officio Fellow from the 1st April, 1958 vice Professor G. H. Bhatt appointed as General Editor, Ramayana Department.
- ( g ) Dr. C. P. Shukla, Librarian, Shrimati Hansa Mehta Library became an-officio Fellow of the Senate with effect from the 16th February, 1958.
- ( h ) Shri D. G. Kelkar, Deputy Director of Agriculture, Baroda Division, Baroda became a Fellow of the Senate from the 16th September, 1957 vice Shri G. G. Nawathe retired.
- ( i ) Kumari A. K. Menon, Fellow of the Senate elected by the teachers in the Faculty of Social Work ceased to be a member on account of her resignation. Kumari Indra S. Malani ( now Shrimati Indra Tayal ) was elected in her place.
- ( j ) Shri M. C. Dayamakumar was elected to the Senate by the Baroda Borough Municipality vice Dr. V. N. Modi.
- ( k ) Shri S. A. Sabnis, a Fellow elected by the Secondary Teachers in the University Area ceased to be a member on account of his having ceased to be a teacher. Later he was re-elected

to the Senate from the same constituency on the 22nd March, 1958.

- ( 1 ) Shri Albert Vivian D'Costa, Principal, Railway Staff College became a Fellow of the Senate from the 15th April, 1958 vice Shri A. C. Mukerjee transferred.
- ( m ) Shri M. T. Vyas was nominated by the Government of Bombay as a Fellow of the Senate on the 8th April, 1958.

( 2 ) *The Syndicate :*

The Syndicate elected in September-October, 1954 assumed office on the 1st November, 1954. The term of the Syndicate ended on the 31st October, 1957. A new Syndicate was elected in September-October, 1957. The new Syndicate assumed office on the 1st November, 1957.

The following persons continued to be the members of the Syndicate from the 1st November, 1957 :

- ( a ) Shrimati Hansa Mehta, Vice-Chancellor
- ( b ) Dr. C. S. Patel, Pro-Vice-Chancellor
- ( c ) Shri S. S. Bhandarkar, Director of Education
- ( d ) Dr. Jivraj N. Mehta
- ( e ) Dr. Jyotindra M. Mehta
- ( f ) Shri B. B. Joshi
- ( g ) Professor T. K. N. Menon
- ( h ) Shri V. Y. Kantak
- ( i ) Professor N. M. Bhatt
- ( j ) Dr. T. V. Patel

Shri C. J. Sutaria, Dr. R. K. Trivedi, Dr. M. D. Patel, Shri J. S. Parikh, Professor ( Kumari ) Parin Vakharia ceased to be members of the Syndicate from the 31st October, 1957 and Shrimati Ansuya I. Amin, Dr. B. B. Yodh, Shri D. M. Parikh, Dr. V. N. Modi and Professor D. Subbarao became the members of the Syndicate from the 1st November, 1957.

Later on Shrimati Hansa Mehta relinquished the office of the Vice-Chancellor on the 29th April, 1958 and ceased to be a member of the Syndicate from that date. Dr. Jyotindra M. Mehta assumed charge of the office of the Vice-Chancellor on the 30th April, 1958 and his seat remained vacant during the rest of the year. Dr. V. N. Modi ceased to be a member of the Baroda Borough Municipality from the 31st March, 1958 and consequently ceased to be a member of the Syndicate from that date. His seat also remained vacant during the year after this date.



### CHAPTER III—THE SENATE

#### 1. Number of meetings

The Senate met twice during the year on the 13th October, 1957 and the 13th April, 1958 respectively.

#### 2. Attendance

69 members attended the meeting held on the 13th October, 1957 and 59 members attended the meeting held on the 13th April, 1958.

#### 3. First meeting

At the first meeting of the Senate held on the 13th October, 1957 the following business was transacted :

(1) Dr. Jivraj N. Mehta, Dr. Venilal N. Mody, Dr. Jyotindra M. Mehta, Shrimati Ansuya I. Amin, Shri B. B. Joshi, Dr. Bhaskar B. Yodh and Shri D. M. Parikh were elected to the Syndicate under section 23 (2) (v) of the Act for a period of three years from the 1st November, 1957.

(2) Shri V. Y. Kantak, Dean, Faculty of Arts and Professor T.K.N. Menon, Dean, Faculty of Education and Psychology were elected to the Syndicate under section 23 (2) (vi) of the Act for a period of three years from the 1st November, 1957.

(3) Shri H. K. Desai, Minister for Education, Bombay State and Shri A. C. Shah, elected by the Bombay State Legislative Assembly to the Senate were assigned to the Faculty of Arts.

(4) Renewal of lapsed grants amounting to Rs. 11,370/- in the revenue budget and Rs. 4,81,150/- in the capital budget and supplementary grants amounting to Rs. 13,535/- in the revenue budget and Rs. 7,91,653 in the capital budget were sanctioned.

(5) Amendments and additions made to Ordinances and Rules mentioned in Pamphlet No. 3 of Handbook Part II, 1956 and Pamphlet No. 3 of Handbook Part III, 1955 were considered and passed.

(6) Report of the Syndicate on the reference back of the amendment of Statute 199 was considered and the amendment passed.

(7) Report of the Board of Accounts on the accounts of the University for the year 1955-56 was considered and approved.

(8) A proposal to institute various posts required for the schemes of the expansion of degree and diploma courses in the Faculty of Techno-

logy and Engineering and the Polytechnic respectively during different years was considered and passed. In all 56 posts of Professors, Readers and Lecturers were instituted.

#### 4. Second meeting

At the second meeting of the Senate held on the 13th April, 1958 a condolence resolution mourning the death of Maulana Abul Kalam Azad, Minister for Education and Scientific Research, Government of India was passed. The following business was transacted :

(1) Dr. Jyotindra M. Mehta was elected Vice-Chancellor for a period of three years from the 30th April, 1958.

(2) The following were elected on the Board of Visitors for the Faculties and Institutions mentioned against each :

Name	Board of Visitors for the
( i ) Dr. B. A. Saletore	Faculty of Arts
( ii ) Dr. M. S. Shah	Faculty of Science
( iii ) Professor V. K. Kothurkar	Faculty of Education and Psychology
( iv ) Shri J. S. Parikh	Faculty of Commerce
( v ) Dr. B. B. Yodh	Faculty of Medicine
( vi ) Professor R. C. Mehta	Faculty of Fine Arts
( vii ) Dr. Shushila B. Lingaiah	Faculty of Home Science
( viii ) Shri K. A. Gafoor	Faculty of Social Work
( ix ) Dr. C. P. Shukla	Oriental Institute
( x ) Professor Markand Bhatt	College of Indian Music, Dance and Dramatics
( xi ) Professor N. M. Bhatt	Intermediate College

(3) Shri V. B. Manerikar, Shri Chandravadan Chimanlal and Shri C. J. Sutaria were elected to the Board of Accounts for a period of two years from the 1st July, 1958.

(4) Kumari I. D. Malani, Shri D. G. Kelkar and Shri M. P. Desai, Fellows of the Senate were assigned to the Faculties of Social Work, Science and Arts respectively.

(5) The Annual Financial Statement comprising :

(a) the revised estimates for the revenue budget for the year 1957-58 and the estimates for the revenue budget for the year 1958-59 and



(b) the revised estimates for the capital budget for the year 1957-58 and the estimates for the capital budget for the year 1958-59 were considered and passed.

(6) Proposal to amend Statute 199 in order to incorporate the new Diploma in Guidance and Counselling (D. G. C.) was considered and passed.

(7) Amendments and additions made to Ordinances and Rules mentioned in Pamphlet No. 4 of the Handbook Part II, 1956 were considered and passed.

(8) The Eighth Annual Report and the Eighth Annual Accounts of the University for the year 1956-57 were considered and passed.

(9) Report of the Board of Accounts on the Annual Accounts of the University for the year 1956-57 was approved.

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

#### Faculty of Arts

- (a) Junior Lecturer in English
- (b) Junior Lecturer in Sanskrit
- (c) Junior Lecturer in Sociology

#### Faculty of Science

- (a) Junior Lecturer in Geography
- (b) Junior Lecturer in Zoology

#### Faculty of Education and Psychology

- (a) Reader in General Education (Co-ordinator)
- (b) Senior Lecturer in General Education (Assistant Co-ordinator)

#### Faculty of Commerce

Reader or Senior Lecturer in Business Administration and Management

#### Faculty of Fine Arts

- (a) Professor or Reader in Art History
- (b) Junior Lecturer in Painting
- (c) Junior Lecturer in Bronze Casting

#### Faculty of Home Science

Senior Lecturer in Child Development

#### Faculty of Social Work

- (a) Reader or Senior Lecturer (Clinical Psychologist)
- (b) Senior Lecturer (Social Worker)
- (c) Junior Lecturer (Social Worker)

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

<i>Present Designation</i>	<i>Amended Designation</i>
(a) Senior Lecturer in Psychology	Reader in Psychology
(b) Junior Lecturer in Pottery and Ceremics	Senior Lecturer in Pottery and Ceremics
(c) Junior Lecturer in Social Work for the Social Education Organisers' Training Centre	Senior Lecturer in Social Work for the Social Education Organisers' Training Centre

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

(13) A proposal of Shri P. B. Zaveri in the matter of starting a Faculty of Law in the University from June, 1958 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 1055 items. Some of the important decisions are mentioned in the following paragraphs.

### 2. Attendance at the meetings

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

Name	No. of meetings held	Class of meetings	Present	Absent	Remarks
1 Shrimati Hansa Mehta, Vice-Chancellor	10	O. 2 S. 8	O. 2 S. 7	—	Relinquished office of the Vice-Chancellor from 30-4-1958
2 Dr. C. S. Patel, Pro-Vice-Chancellor	10	O. 2 S. 8	O. 2 S. 8	—	
3 Shri S. S. Bhandarkar	10	O. 2 S. 8	— S. 1	O. 2 S. 7	
4 Dr. Jivraj N. Mehta	10	O. 2 S. 8	O. 1 S. 6	O. 1 S. 2	
5 Shri C. J. Sutaria	10	O. 2 S. 8	O. 1 S. 2	—	Ceased to be a member from 31-10-1957
6 Dr. Jyotindra M. Mehta	10	O. 2 S. 8	O. 2 S. 8	—	Assumed office of the Vice-Chancellor from 30-4-1958
7 Dr. R. K. Trivedi	10	O. 2 S. 8	O. 1 S. 1	—	Ceased to be a member from 31-10-1957
8 Shri B. B. Joshi	10	O. 2 S. 8	O. 2 S. 7	— S. 1	

Name	No. of meetings held	Class of meetings	Present	Absent	Remarks
9 Dr. M. D. Patel	10	O. 2 S. 8	— S. 2	O. 1 —	Ceased to be a member from 31-10-1957
10 Shri J. S. Parikh	10	O. 2 S. 8	— S. 2	O. 1 —	Ceased to be a member from 31-10-1957
11 Professor T. K. N. Menon	10	O. 2 S. 8	O. 2 S. 6	— S. 2	
12 Professor (Kumari) Parin Vakharia	10	O. 2 S. 8	— S. 1	—	Ceased to be a member from 21-8-1957
13 Shri V. Y. Kantak	10	O. 2 S. 8	O. 2 S. 8	—	
14 Professor N. M. Bhatt	10	O. 2 S. 8	O. 2 S. 8	—	
15 Dr. T. V. Patel	10	O. 2 S. 8	O. 2 S. 8	—	
16 Shrimati Ansuya I. Amin	10	O. 2 S. 8	O. 1 S. 5	— S. 1	Became member from 1-11-1957
17 Dr. B. B. Yodh	10	O. 2 S. 8	O. 1 S. 6	—	Became member from 1-11-1957
18 Shri D. M. Parikh	10	O. 2 S. 8	O. 1 S. 6	—	Became member from 1-11-1957
19 Professor D. Subbarao	10	O. 2 S. 8	O. 1 S. 6	—	Became member from 1-11-1957
20 Dr. V. N. Modi	10	O. 2 S. 8	O. 1 S. 2	— S. 4	Ceased to be a member from 30-4-1958

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

In the Faculty of Arts, the post of Reader in History was converted to that of Professor of History. Suitable special grants were also provided for books, contingency and equipment to continue research and pub-



lication work in the departments of Economics, Gujarati, History, Sanskrit and Sociology. A special grant of Rs. 7,000/- was also sanctioned in the department of Archaeology for the purchase of equipment for Photo-Micrography and Copying and Tele-Photography.

In the Faculty of Science, posts of Senior Lecturer in Bio-chemistry, Senior Lecturer in Statistics and Demonstrator in Bio-chemistry were created. The three posts of Professors—one in each of the departments of Botany, Zoology and Mathematics and a post of Reader in the department of Geography, which were sanctioned by the University Grants Commission and the Government of Bombay, were filled up. The laboratory contingencies in various departments were also increased.

In the Faculty of Education and Psychology, a post of Reader in Education was created and a post of Senior Lecturer in Education was converted to that of a Reader. An amount of Rs. 3,000/- was also sanctioned for purchase of the equipment in the department of Psychology.

In the Faculty of Technology and Engineering, new posts of (i) Reader in Architecture, (ii) two Senior Lecturers in Chemistry, (iii) Senior Lecturer in Physics and (iv) Demonstrator in Physics were created. The post of Reader in Textile Engineering was converted to that of Professor and the post of Senior Lecturer was converted to that of Reader. A post of Senior Lecturer in Textile Technology was converted to that of Reader. These posts were created and/or converted over and above the posts created under the Expansion Scheme of the degree and diploma courses in Engineering in the Faculty of Technology and the Polytechnic respectively.

In the Faculty of Fine Arts, a Reader's post in Sculpture was converted to that of a Professor. Also new posts of a Junior Lecturer in Sculpture and a Tutor in Stone Carving were created. In the department of Museology, posts of a Junior Lecturer and an Honorary Professor were also created.

In the Faculty of Home Science, it was decided to strengthen the staff by filling the vacant posts of a Professor of Foods and Nutrition, of two Readers and one Junior Lecturer and by creating new posts of Demonstrator and Tutor.

In the Oriental Institute, the grades of Superintendent, G. O. S. Section and the Superintendent, Printed Section were revised from

Rs. 200-15-350 to Rs. 300-15-450 and from Rs. 150-10-200 to Rs. 200-15-350 respectively. An amount of Rs. 9,470/- was sanctioned for the reclassification, cataloguing, etc. of the Printed Section of the Institute as per the new system of classification adopted by the University. In order to speed up the work of the scheme of editing and publishing critical and illustrated edition of Valmiki Ramayan, the Ramayan Department was separated from the Oriental Institute, and placed in charge of a General Editor in the Professor's cadre and necessary full time staff.

In the College of Indian Music, Dance and Dramatics some of the posts were up-graded, as shown below, to meet the development needs of the departments concerned :

( i )	Reader in Vocal Music	Professor in Vocal Music
( ii )	Senior Lecturer in Vocal Music	Reader in Vocal Music
( iii )	Senior Lecturer in Dramatics	Reader in Dramatics
( iv )	Junior Lecturer in Tabla	Senior Lecturer in Tabla
( v )	Tutor in Dancing	Junior Lecturer in Dancing

A post of Tutor in Crafts and Settings was also created. A scheme of Experimental Theatre Workshop was approved and an amount of Rs. 4,000/- was sanctioned for the same.

#### 4. Honorary Professors

The provision for inviting eminent scholars and experts in the specialised branches of knowledge, as Honorary and Visiting Professors and Lecturers was continued this year also. Under the scheme the following were continued or invited as Honorary Professors or Lecturers during the year :

	Name	Subject of specialisation	Faculty/Institution
( a )	<b>Honorary Professors</b>		
( i )	Shri C. C. Mehta	Dramatics	College of Indian Music, Dance and Dramatics
( ii )	Shri H. K. Doring	Modelling and Display Technique	Department of Museology, Faculty of Fine Arts
( iii )	Principal N. M. Shah ( worked upto 10-10-1957 )	Mathematics	Faculty of Science



Name	Subject of specialisation	Faculty/Institution
<b>( b ) Honorary Lecturers</b>		
( i ) Shri L. B. Shastri	Aesthetics	Faculty of Fine Arts
( ii ) Shrimati Mira-bai Badkar	Music	College of Indian Music, Dance and Dramatics
( iii ) Shri Gulam Rasulkhan	Music	College of Indian Music, Dance and Dramatics
( iv ) Shri G. M. Jadhav	French and German	Faculty of Technology and Engineering
( v ) Shrimati Vinodini Mayor	Mathematics	Faculty of Science
( vi ) Shrimati Manjari Yoga	Child Development	Faculty of Home Science

In addition to the above, some other eminent persons were invited to deliver lectures, the details of which are given in Chapter XXV.

#### 5. Research Assistants and Research Students

The scheme of appointing Research Assistants and Research Students was continued during the year and there were seven Research Assistants working in the University under this scheme. Two Research Studentships were awarded but as students got Research Scholarships from the University Grants Commission, these were not availed of.

#### 6. 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 :

Department/Faculty	Particulars	Amount sanctioned Rs.
Economics	Printing and publication of report of Socio-Economic Survey of Baroda City	1,200
Gujarati	Scheme of publication of critical editions of old Gujarati Texts	5,850
	Publications of late Professor B. K. Thakore	2,135

Department/Faculty	Particulars	Amount sanctioned Rs.
History	Scheme of Research in Muslim History of Gujarat	6,300
	Research Scheme in Modern Indian History	7,500
Sanskrit	Publication of translation of the 9th Mandal of Rigveda	2,900
Sociology	Scheme of Research in Social Tension (50% expenditure)	1,875
	Library books, equipment, contingencies, field work, etc.	11,200
Politics	Survey of Rural Local Government in Baroda Taluka	2,600
Science	Citric Acid Scheme	2,000
Education and Psychology	Apparatus, equipment, printing, stationery, travelling allowance, etc.	3,500
General	Scheme of compilation of Chronology of Gujarat	13,700
	Publication of research papers, etc.	4,000
Banking	Staff, books, equipment, etc.	19,375
Museology	Staff, books, equipment, etc.	27,731
Archæology	Explorations, excavations, museums, etc.	16,700
		<u>1,28,566</u>

#### 7. 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 :

Name	Designation	Nature of Studies
1. Shri M. S. Patel	Junior Lecturer in Statistics	Higher studies in Statistics at the University of North Carolina, U.S.A.
2. Shri V. M. Shah	Junior Lecturer in Mathematics	Ph.D. degree in Mathematics at the University of Aligarh
3. Shri N. Y. Hirayur	Reader in Applied Mechanics	To avail of the scholarship offered by the East German



Name	Designation	Nature of Studies
4. Shri R. C. Patel	Senior Lecturer in Mechanical Engineering	Democratic Republic for Post-graduate studies in East Germany
5. Shri R. T. Shah	Junior Lecturer in Mechanical Engineering	To avail of the Associateship in Mechanical Engineering in Imperial College of Science and Technology, Glasgow
6. Shri S. I. Patel	Demonstrator in Electrical Engineering	To avail of the scholarship offered by the Government of German Democratic Republic for Post-graduate studies and research at East German University and Technical Institutions
7. Shri C. P. Desai	Demonstrator in Electrical Engineering.	To avail of the scholarship offered by the Federal Republic of Germany for Post-graduate studies in West Germany
		To avail of the scholarship offered by the Federal Republic of Germany for higher studies in Electrical Engineering in West Germany

8. The following members of the staff were granted necessary facilities to go abroad:

Name	Designation	Purpose
1. Professor J. C. George	Professor of Zoology	To participate in the International Team-Work in Embryology at Utrecht (Holland) and attend the 15th International Congress of Zoology in London
2. Professor T.K.N. Menon	Professor and Dean, Faculty of Education and Psychology	To work as an educational expert member on the Education Commission set up by Government of Burma in connection with the Four Year Plan of Burma

Name	Designation	Purpose
3. Dr. M. S. Patel	Reader in Education	To join the Centre for advanced research and training in teaching of English as second language at the University of Edinburgh
4. Shri B. K. Zutshi	Registrar	To join the fourman team of University Administrators sent by the Government of India to U.S.A. to study administration in various Universities in U.S.A. and for visits to some other places on return journey



## 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 21st August, 1957, on the 19th November, 1957 and on the 24th February, 1958 and considered in all 61 items referred to it.

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

#### (1) Research Schemes :

(a) The progress report of the Research Scheme 'Bio-synthesis of Citric Acid in Citrus Fruits' carried on by Dr. C. V. Ramkrishnan, Head, Dr. K. G. Naik Department of Bio-chemistry, Faculty of Science. Report was recorded.

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

(i) "Studies in the Vital Statistics—Baroda City" submitted by Professor N. M. Bhatt, Dean, Faculty of Science.

(ii) "Research work dealing with a study and an analysis of the Tajmahal from the various points" submitted by Shri M. B. Achwal, Reader in Architecture, Faculty of Technology and Engineering.

(iii) "Inquiry into the investigations on the disturbed Carbohydrate Metabolism in abortions" submitted by Dr. M. L. Pai and Dr. T. V. Patel, Faculty of Medicine and

(iv) "Research on Abstract Harmonic Analysis" submitted by Professor U. N. Singh, Head, Department of Mathematics, Faculty of Science.

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

(a) The Council recommended the appointments of the following Research Assistants and Students :

(i) Shri G. M. Oza Research Assistant, Botany Department

(ii) Shri S. S. Pakavasa Research Assistant, Electrical Engineering Department

(iii) Kumari S. H. Trivedi Research Student, Sanskrit Department

(iv) Kumari N. Y. Desai Research Student, Sanskrit Department

(v) Shri Iqbal Research Student, History Department

(b) The Council scrutinised the work done by Research Assistants and made necessary recommendations for their continuance as under :

(i) Shri B. B. Joshi, Research Assistant, Botany Department Recommended continuance for one year.

(ii) Shri P. G. Sarpotdar, Research Assistant, Faculty of Education and Psychology Recommended that the progress report submitted by him be recorded.

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

#### Faculty of Arts

Name	Diploma/Degree	Subject
1. Shri J. S. Pade	Ph.D.	Sanskrit—all Shastras
2. Shri H. C. Mehta	Vachaspati	(i) Sahitya Shastra (ii) Sahitya—Yoga and Vedanta Darshanam
3. Shri K. C. Shukla	Vachaspati	(i) Vyakaran Shastra (ii) Nyaya and Vaishe-shika Darshanam
4. Shri S. V. Bhatt- bhatt	Vachaspati	(i) Dharma Shastra (ii) Purva Mimamsa
5. Shri J. R. Joshi	Vachaspati	Jyotish Shastra

#### Faculty of Science

6. Professor U. N. Singh	M.A., M.Sc., M.E & Ph.D.	Mathematics
7. Dr. R. V. Shah	M.Sc.	Zoology



**Faculty of Education and Psychology**

8.	Dr. A. S. Patel	( i ) M.A., ( ii ) Ph.D.	Psychology Education & Psychology
9.	Dr. Yoganarasimhiah	M.A., M.Ed. & Ph.D.	Psychology
10.	Dr. ( Shrimati ) P. Phatak	M.Ed. ( by Research )	Education

**Faculty of Medicine**

11.	Dr. B. A. Sayed	M.Sc., M.D. & Ph.D.	Pathology and Bacteriology
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**Faculty of Technology and Engineering**

12.	Professor O. H. Patel	M.E.	Soil Mechanics and Highway Engineering
13.	Shri C. C. Shah	M.Sc., M.E.	Mathematics
14.	Shri R. M. Dave	M.E.	Hydraulics & Irrigation
15.	Shri S. D. Desai	M.E.	Geology

**Faculty of Social Work**

16.	Miss Winifre Goodwin	M.S.W.	Social Work
17.	Shri Siri Ram Ramdev	M.S.W.	Social Work

**Indian Institute of Science, Bangalore**

18.	Dr. B. H. Iyer	Ph.D.	Organic Chemistry
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**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	2nd February, 1958
( ii )	Science	30th March, 1958
( iii )	Education and Psychology	2nd February, 1958
( iv )	Commerce	30th March, 1958
( v )	Medicine	23rd February, 1958
		2nd February, 1958
		30th March, 1958
		13th April, 1958

S.No.	Name of the Faculty	Date of the meeting
( vi )	Technology and Engineering	7th March, 1958
( vii )	Fine Arts	9th February, 1958
( viii )	Home Science	20th January, 1958
( ix )	Social Work	30th September, 1957
( x )	Joint meeting of the Faculties of Arts, Science and Commerce	2nd February, 1958
( xi )	Joint meeting of the Faculties of Arts and Commerce	30th March, 1958
		2nd February, 1958

One of the chief items of business considered at the meetings of the Faculties of Arts, Commerce, Technology and Engineering and Fine Arts was to consider the recommendations of the various Boards of Studies in the matter of steps to be taken to implement the Syndicate and Senate resolutions regarding the medium of instruction in the University. ( 1 ) Faculties of Arts, Science and Commerce recommended ( i ) that the marks of the class work record in the written papers as well as practicals be raised from 20% to 30% of the total marks in the three year degree classes ; ( ii ) the standard for passing, awarding classes and granting exemptions at the First Year Examinations in Arts, Science and Commerce under the three year degree courses from the examinations of 1959 onwards. ( 2 ) The question of laying down a general principle ( i ) whether failed candidates at the examinations held according to O.262 under old rules be allowed to appear in the examinations under new courses without being required to keep terms afresh and ( ii ) whether any time limit should be fixed between completion of terms and appearing at the examination for which necessary attendances have been kept, was considered by all Faculties.

Important items of business on which the Faculties made recommendations are mentioned below :

**( a ) Faculty of Arts**

- ( i ) Raising the standards of passing in compulsory and subsidiary English to 35%.
- ( ii ) Provision for the examination in compulsory and subsidiary English at the end of the II year of the three year degree course in Arts and
- ( iii ) Details of the viva-voce examination at the M.A. from 1960.



**(b) Faculty of Science**

- (i) Standards of passing at the M.Sc.,
- (ii) Provision for examinations at the end of the first, second and the third years of the three year degree course in Science,
- (iii) Provision disallowing M.Sc. by research only,
- (iv) Standard of passing, etc. at the Preparatory Science,
- (v) Provision of History of Science in General Education,
- (vi) Admission of students who have passed the Preparatory Arts or Commerce with Mathematics, to the first year B.Sc. class in the groups of (a) Mathematics principal and Statistics and Economics subsidiary or (b) Statistics principal and Mathematics and Economics subsidiary,
- (vii) Provision for the examination in the B.Sc. subsidiary subjects at the end of the II year and for allowing those who fail in the subsidiary subject to continue in the final year and to appear at the subsidiary examination along with the examination in the principal subject,
- (viii) The re-organised syllabus in Bio-chemistry and
- (ix) Details of the viva-voce examination at the M.Sc. from 1960.

**(c) Faculty of Education and Psychology**

- (i) Revision of the syllabi and the scheme for the B.Ed. examination,
- (ii) Revision of the syllabi and the scheme for the T.D. examination,
- (iii) Draft syllabi in Education and Educational Psychology at the B.A. examination,
- (iv) Draft syllabi in Psychology at B.A. (Psychology),
- (v) Draft syllabi in Psychology at M.A. (Psychology),
- (vi) Syllabi in Experimental Psychology at B.A. with Sociology principal and B.A. with Psychology subsidiary,
- (vii) Syllabi, scheme of examination, etc. for the diploma in Child Development and Psychology,
- (viii) Syllabi, scheme of examination, etc. for the Post-graduate diploma in Guidance and Counselling and
- (ix) Details of the viva-voce examination for M.A. (Psychology), M.Ed. with papers and dissertation and M Ed. with thesis from 1960.

**(d) Faculty of Commerce**

- (i) Details of viva-voce examination for M.Com. from 1960,
- (ii) Raising of the standards of passing in English at B.Com. from 33% to 35%,
- (iii) Provision of a two paper course in Business Administration and Management at M.Com. and
- (iv) Provision for starting the Post-graduate diploma course in Co-operation.

**(e) Faculty of Medicine**

- (i) Provision of grace marks at the examinations of the Faculty,
- (ii) Provision for allowing failed students to reappear provided that those who fail in two or more subjects keep one or two clinical terms of three months each as the case may be,
- (iii) Institution of the degree of M.S. (Orthopaedics) instead of the diploma in Orthopaedic Surgery,
- (iv) The syllabi, courses, etc. for the diploma in Gynaecology and Obstetrics,
- (v) Requirement of three years' post-graduate study or hospital experience for admission to the M.D. or M.S. examination and
- (vi) Registration for a post-graduate degree and diploma simultaneously in the same subject.

**(f) Faculty of Technology and Engineering**

- (i) Fixing of the standards of passing at B.E. to 40% in each subject and 45% of the total, for a pass and 50%, 60% and 66% of the total for Second, First and First Class with Distinction respectively,
- (ii) Provision allowing students who fail at the F.E., F.Text (Eng.) or F.Text. (Tech.) in the old course to appear at the corresponding examination in the new course provided they attend lectures and do the practicals in "Materials and Structures" and
- (iii) Converting the five year degree course in Textile Engineering and Textile Technology into the four year degree course.

**(g) Faculty of Fine Arts**

- (i) Admission requirements for certificate, diploma and degree courses in Fine Arts from June 1958,



- ( ii ) Draft ordinance governing admission to F. Y. degree courses of the college of Indian Music, Dance and Dramatics to be reviewed in 1960-61,
- ( iii ) Discontinuing of the numerical equivalents in the grades and credits system of evaluation,
- ( iv ) Exemption requirements at the degree and diploma examinations of the College of Indian Music, Dance and Dramatics to be B-1 in each theory paper and B in each practical,
- ( v ) Permission to answer question papers in English, Gujarati, Marathi or Hindi at the degree course examinations,
- ( vi ) The elementary examination in Architecture to be held at the end of the second year of the B. Arch. course as an experimental measure and
- ( vii ) Institution of a degree course in Textile Design.

#### ( h ) Faculty of Home Science

The modified grade and credit system for M.Sc. ( Home ).

#### ( i ) Faculty of Social Work

- ( i ) Curriculum and reading list for the Faculty,
- ( ii ) Permissible time between completion of terms and the viva voce examination,
- ( iii ) Provision for failed students to reappear and
- ( iv ) Time-limit for failed students to reappear.

### 3. Boards of Studies

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

Name of the Board	Date of the meeting
( i ) Sanskrit, Pali and Ardh-Magadhi Languages and Literature	23rd September, 1957
( ii ) Persian, Urdu and other Asian Languages and Literature	10th October, 1957
( iii ) Hindi Language and Literature	7th October, 1957
( iv ) Gujarati Language and Literature	30th March, 1958
( v ) Marathi Language and Literature	25th September, 1957
( vi ) English Language and Literature	25th September, 1957
( vii ) Modern and Ancient European Languages and Literature	5th October, 1957
	5th October, 1957

Name of the Board	Date of the meeting
( viii ) Sociology	11th October, 1957
( ix ) History, Archaeology and Ancient Indian Culture	8th October, 1957
( x ) Philosophy	25th September, 1957
( xi ) Linguistics	30th September, 1957
( xii ) Library Science	23rd September, 1957
( xiii ) Law	29th September, 1957
( xiv ) Physics and Meteorology	4th October, 1957
( xv ) Chemistry	10th March, 1958
( xvi ) Botany	8th October, 1957
( xvii ) Zoology	24th March, 1958
( xviii ) Bio-Chemistry	29th September, 1957
( xix ) Education	26th March, 1958
( xx ) Psychology	8th October, 1957
( xxi ) Commerce including Business Organisation, Accountancy and Audit, Banking, Transport and Cotton Industry	16th March, 1958
( xxii ) Anatomy and Physiology	14th October, 1957
( xxiii ) Pharmacology and Pathology	30th March, 1958
( xxiv ) Medicine, Surgery, Midwifery, etc.	8th October, 1957
( xxv ) Technology	22nd February, 1958
( xxvi ) Engineering	8th October, 1957
( xxvii ) Painting, Sculpture and Applied Arts	22nd February, 1958
( xxviii ) Architecture	5th October, 1957
( xxix ) Music, Dance and Dramatics	1st February, 1958
( xxx ) Museology	5th October, 1957
	29th September, 1957
	13th October, 1957
	13th April, 1958
	7th October, 1957
	7th March, 1958
	7th October, 1957
	7th March, 1958
	28th September, 1957
	8th February, 1958
	29th September, 1957
	6th October, 1957
	11th October, 1957



<i>Name of the Board</i>	<i>Date of the meeting</i>
( xxxi ) Home Science	30th September, 1957
( xxxii ) Social Work	30th September, 1957
( xviii ) Mathematics	9th October, 1957
	2nd March, 1958
( xxxiv ) Statistics and Actuarial Science	9th October, 1957
	26th March, 1958
( xxxv ) Geology and Geography	28th September, 1957
	7th December, 1957
	30th March, 1958
( xxxvi ) Economics	5th October, 1957
( xxxvii ) Politics and Administration	4th October, 1957
<i>Joint meetings</i>	
( i ) Engineering and Technology	7th October, 1957
( ii ) Mathematics, Statistics, etc. and Representatives of Economics Board	9th October, 1957

The items of business at the meetings of the Boards comprised elections, drawing up of panels of examiners, consideration of reports of examiners, recasting of syllabi, prescription of text-books for various courses, etc. 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 Badminton Tournaments ( Men and Women ), South Zone and All India Finals were held at Baroda during the year. The Board continued the arrangements made for the University Boat House during the year. It approved selection of teams in Cricket, Hockey, Football, Volley Ball, Tennis, Badminton, Kho-Kho ( Men and Women ), Hu-Tu-Tu, Athletics and Wrestling to be sent to participate in the Inter-University Tournaments. The Board recommended the purchase of five additional boats for the Boat House. New activity of Swimming was started and Dr. R. N. Mehta was appointed Officer-in-charge of Swimming. The Board also framed rules for Swimming. An amount of Rs. 500/- was donated by Dr. Jivraj N. Mehta for two shields viz. ( i ) Shrimati Hansa Mehta Shield for Swimming and ( ii ) Shrimati Hansa Mehta Shield for Boating. Another donation of Rs. 700/- was subsequently received from a gentleman for ( i ) Dr. Jivraj N. Mehta Shield for Swimming and ( ii ) Dr. Jivraj N. Mehta Shield for Boating for women students. The Board recommended creation of posts of ( i ) a Swimming Trainer, ( ii ) a Boating Trainer and ( iii ) a Part-time Instructress for Swimming.

#### 2. Students' Welfare Board

The Board met once during the year on the 25th August, 1957. It recommended that the follow-up work arising out of the annual medical examination of the students be taken up by the Deans of the Faculties and the Principals of the Colleges and that they should inform the guardians of the students. The Board recommended provision of lectures in the Faculties and Institutions on Personal Hygiene and the importance of follow-up work arising out of the medical examination of students. The Board also considered the letter from the Secretary, University Grants Commission regarding Poor Students' Aid Fund in Universities and referred



it to the Union. The Union having agreed, the University decided to establish a Poor Students' Aid Fund wherein each student will voluntarily subscribe Rupee one and the University Grants Commission will give a grant equal to the subscription collected from students. An Executive Committee was set-up to administer the fund and rules were framed for giving assistance to students.

### 3. Publication Board

The Publication Board met once during the year on the 26th August 1957 and considered thirteen items. The Board considered and recommended for approval of the Syndicate the publication of the following works, by the University :

S. No.	Title	Estimated cost Rs.
( i )	The Cleaning and Preservation of Museum Material by Shri T. R. Gairola	1,525/-
( ii )	History of Indian Art—Part I	2,000/-
( iii )	A Report of the All-India Educational and Vocational Guidance Seminar	500/-
( iv )	Research Monographs	1,375/-
( v )	Lectures on 'रासभाषातुं स्वरूप' and 'अलंकारनी व्यंजना' by Shri Dolarray Mankad	300/-

The Board also made recommendations on (i) the scheme of preparing text books in Hindi submitted by Shri B. G. Desai, (ii) commentary on the book 'परमलघु मंजुषा' of Shri Nagesh Bhatt, written by Pandit Kalikaprasad Shukla and (iii) 'महाभाष्यदीपिका' of Bharatrhari to be edited by Shri J. S. Pade.

### 4. Board of Extra Mural Studies

The Board met once during the year on the 23rd August, 1957. It reviewed the Extra Mural activities carried on during the previous year and recommended a programme of extension lectures by the University teachers and outside experts, educational tours of students and exhibitions to be organised during the year. It also sanctioned an amount of Rs. 600/- for the Psychological Society and Science Teachers' Club of the Faculty of Education and Psychology. An amount of Rs. 200/- was sanctioned for organising an exhibition, essay competitions, etc. for the Wild Life Week.

### 5. Library Committee

The Library Committee met once during the year in the beginning of the academic year on the 17th July, 1957. It recommended standing vendors for the purchase of books and periodicals during the year. It allocated the book-grant of Rs. 20,000/- of the University Library on various subjects. It also recommended that from the next year, the allocation of grants be shown Faculty-wise and not department-wise and that the allocation to various subjects be done by the Deans in consultation with the Heads of departments and the University Librarian. It also recommended that the suggestion of the University Librarian to accession afresh some of the books of the library of the Faculty of Arts be accepted.

### 6. 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.

( i )	Total number of Handbooks, Calenders, etc. on 1-7-1957	1,854
( ii )	Handbooks, calenders, etc. added during the year	286
( iii )	Written queries replied to during the year	46
( iv )	Number of students to whom information was supplied at the Bureau Office during the year	182

A special temporary assistant was sanctioned for the Bureau to prepare pamphlets showing the different Universities in which selected courses were available, with other relevant details.

### 7. Standing Committee on Equivalence of Examinations

The Standing Committee on Equivalence of Examinations met thrice during the year on the 23rd August, 1957, on the 24th February and on the 20th June, 1958. It considered the questions on equivalence of various examinations and cases of eligibility referred to it.

### 8. 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 11th February, 1958 and recommended that ( i ) Law be introduced as a special



subject for B.A. examination from June, 1959 *i.e.* after the first batch of students who have taken Law as a subsidiary subject in the B.A. examination passes through, (ii) the instituted post of Reader in Philosophy be filled from the 1st July, 1958, (iii) a new post of a Junior Lecturer in Sanskrit be instituted and provided from the 1st July, 1958 and (iv) a new post of a Junior Lecturer in Sociology be instituted and provided in the Faculty.

(b) *For the Faculty of Science* : The Board met on the 12th February, 1958 and recommended that (i) two posts of Junior Lecturers—one in each of the departments of Geography and Zoology be sanctioned from the 1st July, 1958, (ii) one post of Demonstrator in the department of Statistics, posts of a Laboratory Assistant and a Laboratory Attender in each of the departments of Bio-Chemistry and Geography be sanctioned from the 1st July, 1958, (iii) Rs. 4,000/- be sanctioned in the Physics department to replace old apparatus and instruments, (iv) Rs. 2,000/- be sanctioned in the Zoology department for purchase of equipment, (v) Rs. 4,000/- be sanctioned for books in the Mathematics department, (vi) Rs. 1,000/- be sanctioned in the Bio-Chemistry department for contingency, (vii) Rs. 5,000/- (additional) for deadstock, Rs. 2,500/- for electricity and Rs. 350/- (additional) for tour grant be sanctioned and (viii) Rs. 1,000/- be sanctioned for purchase of equipment for Animal House.

(c) *For the Faculty of Education and Psychology* : The Board met on the 28th January, 1958 and recommended that (i) the courses *viz.* (a) Revised B.Ed. and T.D. Courses, (b) Post-graduate diploma course in Guidance and Counselling and (c) Extension course in Child Psychology and Child Development, be started in the Faculty from the academic year 1958-59 and (ii) one post each of Reader in General Education (Co-ordinator) and Senior Lecturer in General Education (Assistant Co-ordinator) be instituted in the Faculty.

(d) *For the Faculty of Commerce* : The Board met on the 10th February, 1958 and recommended that (i) the subject of Business Administration and Management be introduced as an optional subject at the M.Com. course, (ii) a post of Reader in Business Administration and Management be instituted and (iii) a separate Post-graduate diploma course in Rural Economics be started.

(e) *For the Faculty of Technology and Engineering* : The Board met on the 31st January, 1958 and it recommended that (i) two posts of

Research Assistants—one in Mechanical Engineering and the other in the Textile Engineering departments be filled up from the 1st July, 1958, (ii) the Research Assistants in the Faculty of Technology and Engineering be paid Rs. 250/- nett, (iii) there be a separate Board for the Polytechnic on which the All India Council of Technical Education and/or its Western Regional Committee, State Council of Technical Education and the Industries be suitably represented to advise the University regarding the development of the diploma courses and studies and (iv) the present designations and grades of teachers including the Demonstrators in the Faculty be revised and brought on par with the prevailing grades in other Engineering Colleges in the State of Bombay.

(f) *For the Faculty of Fine Arts* : The Board met on the 9th December, 1957 and recommended that (i) the question of starting Post-certificate courses in Process and Block-making be referred to the Faculty of Fine Arts, (ii) new posts of a Lecturer and a Studio-Attendant be created, (iii) a carrier-crane to lift metal-melt from the kettle be provided in the Sculpture department, (iv) a post of Junior Lecturer in Pottery and Ceramics be converted to that of a Lecturer and (v) a post of Technician in Applied Arts department be created.

(g) *For the Faculty of Home Science* : The Board met on the 20th January, 1958 and recommended that (i) the three posts lying vacant in the Faculty, *viz.* (1) Professor of Foods and Nutrition, (2) Professor of Clothing and Textiles and Home Management and (3) Part-time Social Worker in the Child Development department, be filled immediately, (ii) the kindergarten classes be continued in co-operation with the Primary Section of the University Experimental School and that in the meantime the Dean should prepare a scheme of kindergarten classes in consultation with the Head of the Child Development department, (iii) an amount of Rs. 10,500/- be provided in the Faculty budget towards the expenses for equipment of Clothing and Textiles, furniture for Demonstration Room, museum, utensils and equipment for the kitchen and equipment for the Child Development department of the Faculty, (iv) a new post of a Senior Lecturer in Child Development be instituted and an amount of Rs. 3,500/- be sanctioned for the equipment of the kindergarten classes and (v) an amount of Rs. 5,000/- be provided for the Animal House and an amount of Rs. 15,000/- be provided for construction of a Home Management House for Lower Income Group.



(h) *For the Faculty of Social Work* : The Board met on the 11th February, 1958 and recommended that the Ministry of Health, Government of India, the Department of Labour and Social Welfare, Government of Bombay and the University Grants Commission be requested to give suitable grants to run the Mental Hygiene Clinic of the Faculty.

(i) *For the Oriental Institute* : The Board met on the 11th December, 1957 and recommended that (i) the grade of the Catalogue Assistant be revised to that of Rs. 200-15-350, (ii) the number of copies of the Journal of the Oriental Institute be 500 instead of 300 and an amount of Rs. 6,000/- be provided for the same and (iii) an amount of Rs. 5,000/- be provided for the books and periodicals only and that a separate amount of Rs. 1,000/- be provided for the purchase of MSS.

(j) *For the College of Indian Music, Dance and Dramatics* : The Board met on the 23rd January, 1958 and recommended that (i) an amount of Rs. 5,000/- be sanctioned for the purchase of equipment during the year 1958-59 and (ii) a new post of a Drama Production Assistant be created in the College.

(k) *For the Intermediate College* : The Board met on the 10th February, 1958 and recommended that (i) the number of admissions in the Preparatory classes in Arts, Science and Commerce be 350, 400 and 250 respectively, (ii) 33 members of the teaching staff transferred to the College be continued in the College during the year 1958-59 and (iii) new posts of Tutor in History and Attender in the Office be created.

#### 9. Wardens' Committee

The Committee met twice during the year on the 2nd January, 1958 and the 8th April, 1958. The Committee approved the revised budget estimates for the year 1957-58 and the estimates for the year 1958-59 and recommended that the contribution of Rs. 2/- per student per term towards the General Fund be raised to Rs. 5/- per student per term from the next academic year i.e. 1958-59.

The Committee also recommended an allocation of seats in the Halls of Residence to different Faculties and Institutions for the academic year 1958-59.

#### 10. Advisory Committee for the Halls of Residence

The Supervisory Council for the Halls of Residence was redesignated as "Advisory Committee for the Halls of Residence" by the Syndicate at

their meeting held on the 22nd December, 1957. The constitution and the functions were also newly defined.

The newly framed constitution included the Vice-Chancellor, as the Chairman and the Pro-Vice-Chancellor and the Chief Warden as the Ex-officio members besides one of the Deans of the Faculties and three persons from the public to be nominated by the Vice-Chancellor and four teachers of the University of whom one should be a woman and at least one should be a teacher belonging to the Faculty of Medicine to be nominated by the Syndicate.

The duties of the Advisory Committee are

- (a) to make recommendations with regard to students' welfare in general;
- (b) to make recommendations regarding promotion of community life amongst the various Halls of Residence;
- (c) to make recommendations regarding general organisation, equipment and smooth running of the Halls of Residence and
- (d) to suggest changes in the rules framed as and when necessary.

The Committee met twice during the year on the 25th August, 1957 and the 18th February, 1958. It recommended acceptance of the scheme of Students' Health Centre in the University as proposed by the University Grants Commission and made recommendations in the matter of (i) provision of a water-cooler for each floor of the Halls of Residence, (ii) provision of a non-vegetarian mess and (iii) appointment of two new watchmen.

#### 11. Finance and Establishment Standing Committee

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

The Committee met as a Budget Committee on the 15th February, 1958. It submitted to the Syndicate the revised budget estimates for the year 1957-58 and the estimates for the year 1958-59, both for the revenue and the capital accounts after scrutinising the various proposals received from the Faculties, Institutions and offices of the University and also the



proposals referred to it by the Boards of Visitors of different Faculties and Institutions, after discussing the same with the Dean or the Head concerned.

#### 12. Investment Committee

The Committee held four 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, 103 meetings of the Selection Committees for junior posts were held. They recommended 236 candidates for appointment to various posts. 25 meetings of the Selection Committees appointed under section 48(2) of the Act were also held during the year. They recommended 32 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 9th July, 1957 and also considered several items by circulation. It recommended the following four publications:

(1) Under Shri Sayaji Sahityamala :

आपुंगु विश्व

by Shri Chhotubhai Suthar

विज्ञान विनोद

by Shri P. G. Shah

(2) Under Shri Sayaji Balajnanamala :

तरवानी कला

by Dr. R. N. Mehta

(3) Under Matushri Jamnabai Smarak Granthamala :

गृहजीवनमां स्त्रीनुं स्थान

by Shrimati Sarojiniben Mehta

The Committee also permitted Shri C. V. Joag to publish the second edition of his book 'वैक व त्याचे कारमार' and Shrimati Hiraben Pathak to publish the second edition of 'साहित्य विमर्श' by late Shri R. V. Pathak.

#### 15. Building Planning Committee and Building Committee

A joint meeting of the Building Planning Committee and the University Building Committee was held on the 25th January, 1958. It recommended the programme of new constructions to be taken up during the next year and also recommended ordinary and special repairs to be carried out to the buildings of the University during the next year. It appointed a sub-committee to recommend schemes of drinking water supply in the University. This sub-committee prepared two schemes, one for Baroda College area and the other for Halls of Residence. The former one was approved.

#### 16. Press Supervisory Committee

The Committee held eleven meetings during the year. It considered (i) the monthly reports of the Manager and recommended purchase of papers and stationery, etc., (ii) the report of the sub-committee appointed to review leave rules and holidays for the Press Workers and approved the same, (iii) certain changes in the plans and estimates of the new building and (iv) deputation of two persons for Caster training to Mono-type School at Calcutta.

#### 17. N.C.C. Senior Division Advisory Committee

The Committee met on the 26th August, 1957 and considered the brief reports of the working of the different N.C.C. Units in the University. It recommended that (i) further expansion of the 6th Bombay Battalion N.C.C. be postponed till the new building for the Unit was constructed and (ii) temporary garages for the transport be constructed. It also considered the report of the Officer Commanding, 18th Bombay Engineering Platoon N.C.C. suggesting to take disciplinary action against 9 cadets for neglecting his instructions and removed them from the Unit.

#### 18. Sanskrit Mahavidyalaya Committee

The Committee met twice during the year on the 11th November, 1957 and the 16th January, 1958. It recommended that (i) the stipends at present given to scholars studying in the Mahavidyalaya be raised, (ii) the general rules for the Prathama Kaksha and Madhyama Kaksha courses including the terms, vacations, medium of instructions, etc. and the redrafted form of application for admission to different courses in Mahavidyalaya be approved and (iii) the draft Ordinance for the degree of Vachaspati and reorganization of the hostel of the Sanskrit Mahavidyalaya be approved.

#### 19. Deans' Committee

The meetings of the Deans of Faculties and Heads of Institutions were held during the year on the 21st August, 11th December, 1957 and the 26th February, 1958. At these meetings various administrative problems were considered and necessary recommendations were made to the Syndicate. The Committee approved the recommendations of the sub-committee appointed to draft a constitution for Faculty Students' Association and approved the same. It also recommended a panel of three persons to be invited for lectures under the Maharaja Sayajirao Memorial Lecture Series.



## 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 6th 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 N. S. Bendre, Professor M. N. Srinivas, Professor S. M. Sethna, Professor S. M. Sen, Dr. B. Subbarao and Dr. A. H. Somjee.

2. During the year, Post-graduate and Research work was done in almost all Faculties and Institutions under the University. 86 students registered for Ph D. and 5 students registered for M.Ed. degree by research during the previous years continued their research. Details about fresh students registered during the year for these degrees are given in the statement below :

<i>Sr. No.</i>	<i>Name</i>	<i>Date of registration</i>	<i>Name of the guiding teacher</i>	<i>Subject</i>	<i>Title of the Thesis</i>
1	2	3	4	5	6
<b>Ph.D.</b>					
<b>Faculty of Arts (16)</b>					
1	Malik, Subhas-chandra Ramlal	14-11-1957	Dr. B. Subbarao	Archæology	Studies in the Pre-history of Western India with special reference to Gujarat
2	Raikar, Yashavant Anant	9-12-1957	Dr. B. Subbarao	Archæology	Studies in the Cultural History of Western India from 700 to 1200 A.D.
3	Dharma, Keshav Mahipati	9-8-1957	Professor V. Y. Kolhatkar	Economics	Applied Economics—Regional Planning for Gujarat
4	Desai, Ashok-kumar Lalbhai	21-8-1957	Professor V. Y. Kolhatkar	Economics	Industrial Organisation with particular reference to Indian conditions



The Vice-Chancellor delivers the presidential address at the Third Conference of Research Workers in Gujarat



1	2	3	4	5	6
5	Desai, Jayesh Jasvantrai	14-10-1957	Shri H. C. Malkani	Economics	Changing pattern of Rural Economy of Gujarat
6	Trivedi, Harshadrai Manibhai	11-7-1957	Professor B. J. Sandesara	Gujarati	Professor B. K. Thakore: His life and works
7	Jadeja, Dilavarsinh Dansinh	2-9-1957	Professor B. J. Sandesara	Gujarati	Premanand and his works, with special reference to the Cultural Data supplied by them
8	Parmar, Ghan-shyam Govind-sinh	25-7-1957	Shri D. M. Patel	Philosophy	Contribution of the Vivarana School to Sankara Vedanta
9	Shah, Pradeep Jasubhai	29-7-1957	Dr. A. H. Somjee	Politics	Technique of Political Investigation and the conception of Democracy in the Political ideas of Graham Wallas, Walter, Lippmann and Harold Lasswell
10	(Kumari) Udyawar, Yamunabai Someshrao	20-3-1958	Dr. A. H. Somjee	Politics	Political Philosophy of John Stuart Mill
11	(Kumari) Trivedi, Surbhi Hrushikesh	23-7-1957	Professor G. H. Bhatt	Sanskrit	Brahma-Purana, a critical study
12	(Kumari) Desai, Nilesbhari Yadukant	24-7-1957	Dr. S. S. Bhawe	Sanskrit	Ancient Indian Society, Religion and Mythology in the Markandeya Purana (a critical study of Gujarat towards Education)
13	Pathak, Madhusudan Madhaval	7-9-1957	Professor G. H. Bhatt	Sanskrit	An Evaluation of the existing Primary School Syllabus of the Bombay State with part-
14	Shastri, chandra shankar Arun-Dev-	14-8-1957	Professor G. H. Bhatt	Sanskrit	



1	2	3	4	5	6
15	Gandhi, Ramanlal Hiralal	16-12-1957	Professor G. H. Bhatt	Sanskrit	Shri Gokulnathaji's contribution to Shuddha - adwaita Vedanta
16	Shroff, Ramesh-chandra Gordhandas	4-12-1957	Professor M. N. Srinivas	Sociology	Social conditions obtaining in some parts of the Charotar area during the years 1800 to 1850 A.D.

## Faculty of Science (11)

17	Shah, Mukundlal Muljibhai	17-7-1957	Dr. M. L. Pai	Biochemistry	Nutritional aspects of Toxaemias
18	Apte, Bhalchandra Keshav	13-9-1957	Dr. M. L. Pai	Biochemistry	Studies in Gastric Secretory function
19	Gothoskar, Balwant Pandurang	9-8-1957	Dr. C. V. Ramkrishnan	Biochemistry	Studies in Tissue Culture
20	Sabnis, Sharad Dwarkanath	9-8-1957	Professor A. R. Chavan	Botany	Studies on Cyp- raceae
21	Bhatt, Rajendra Bangovind	9-8-1957	Professor A. R. Chavan	Botany	Morphogenesis of Tendril and Auxiliary Bud in Cucurbitaceae and Passifloraceae
22	Patel, Ravindra Prabhudas	2-12-1957	Dr. B. H. Iyer	Organic Chemistry	Synthetic
23	Pandya, Janardan Ramesh-chandra	3-7-1957	Dr. N. S. Pandya	Physics	Optical Study of growth and features on Cr Surfaces
24	Desai, Harnivas Sanatkumar	14-8-1957	Professor D. V. Gogate	Physics	Heat Transfer Phenomena
25	Khatr	16-12-1957	Professor N. M. Bhatt	Statistics	On certain Problems in Multivariate Analysis
		13-7-1957	Professor J. C. George	Zoology	An investigation on the relation between structure and Function in Vertebrates

1	2	3	4	5	6
27	(Shrimati) Patel, Shakunt Shivabhai	23-7-1957	Professor J. C. George	Zoology	Studies in Vertebrate Structure
Faculty of Education and Psychology (11)					
28	Buch, Madhusudan Bhagwanlal	3-8-1957	Professor T. K. N. Menon	Education	Construction and Standardization of a test of Social intelligence
29	(Kumari) Shardadevi, B. N. Garudacharya	10-10-1957	Professor T. K. N. Menon	Education	Education of Graduate Teachers in the Traditional and Basic Methods—an analysis of the problem and suggestions for an integrated patterns to suit our Socialistic pattern of Society
30	Samuel, Alfred D.	4-10-1957	Professor T. K. N. Menon and Dr. V. S. Rajan	Education	Co-operative Education
31	Rev. Fuster, Joachim M.	25-7-1957	Professor T. K. N. Menon	Psychology	A comparative analysis of the relationship between acceptance of and respect for self and acceptance of and respect for others in four different Indian Communities—Catholic, Hindu, Muslim and Parsi
32	Patel, Manubhai Shankerbhai	9-9-1957	Professor S. N. Mukerji	Education	The Attitude of the Tribal people of Gujarat towards Education
33	Kapadia, Sunderlal Nathubhai	9-12-1957	Professor S. N. Mukerji	Education	An Evaluation of the existing Primary School Syllabus of the Bombay State with part-



1	2	3	4	5	6
					icular reference to Gujarat
34	Parikh, Bhanu-prasad Amratlal	16-7-1957	Shri L. J. Bhatt	Psychology	Some Psychological aspects of Dangi culture
35	Patel, Manibhai Motibhai	12-10-1957	Dr. A. S. Patel	Psychology	Vocational inventory—its construction and standardization
36	Badami, Har-kant Dhirajlal	3-9-1957	Dr. A. S. Patel	Psychology	A Psychological study of factors of Juvenile Delinquency
37	(Shrimati) Bhatt, Taramati Shambhu	10-9-1957	Shri G. P. Bhatt	Education	Child Development in Pre-basic and Pre-primary Schools—age group 3 to 5
38	Deopurkar, Ramchandra Trimbak	12-10-1957	Professor S. N. Mukerji	Education	Educational Philosophy of Shri Aurobindo

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

Name of the department and the teacher

Subject

#### Faculty of Arts

##### 1. Archaeology:

Dr. B. Subbarao

Exploration of the Tapi valley in Surat and West Khandesh and in Baroda District

##### 2. Gujarati:

Professor B. J. Sandesara

- (i) Publishing a series of critical editions of old Gujarati texts
- (ii) Publication of the literary material of the late Professor B. K. Thakore

##### 3. Hindi:

Shri B. L. Sinha

Padmakar aur unki Kavita

Name of the department and the teacher

Subject

#### 4. History:

(a) Professor G. B. Pandya

Scheme for editing the records of correspondence between Baroda Government and Baroda Residency  
A scheme for the preparation of History of Gujarat under the Muslim

(b) Dr. S. C. Misra

#### 5. Philosophy:

Dr. A. G. Javadekar

Valuational Theory of Knowledge

#### 6. Political Science:

(a) Dr. A. H. Somjee

Voting behaviour in an Indian village

(b) Shri K. S. Desai

A Survey of Rural Local Government

#### 7. Sanskrit:

(a) Dr. S. S. Bhawe

Translating and Interpreting Rigveda Mandal IX

(b) Shri S. G. Kantawala

Cultural History from the Matsya-purana

#### 8. Sociology:

(a) Professor M. N. Srinivas

(i) A Study of Urbanisation and Industrialisation in South Gujarat

(b) Dr. I. P. Desai

(ii) Barot Village Project Mahuva Project

#### Faculty of Science

##### 1. Bio Chemistry:

(a) Dr. C. V. Ramakrishnan and Shri A. P. Joshi

Study of C<sub>4</sub>-Metabolism in A. Niger

(b) Dr. C. V. Ramakrishnan, Sarvashri B. P. Gothoskar and P. N. Raina

Studies in Tissue Culture

(c) Dr. C. V. Ramakrishnan, Sarvashri A. D. Deodhar and M. G. Karmarkar

Studies on Human Lactation



*Name of the department and the teacher*

*Subject*

- (d) Dr. C. V. Ramakrishnan and Shri M. D. Gadgil Studies on Food Yeast
2. *Botany* :
- (a) Professor A. R. Chavan and Shri S. R. Sabnis Study of Sedges of Gujarat
- (b) Professor A. R. Chavan and Shri R. P. Bhatt Study of Morphogenesis in Cucurbitaceae and Passifloraceae
- (c) Dr. V. G. Phatak and Shri G. M. Oza Flora of Pavagadh
- (d) Dr. V. G. Phatak and Shri B. B. Joshi Flora of Baroda
3. *Chemistry* :
- (a) Professor S. M. Sethna and Shri M. V. Shah Studies in Cromones
- (b) Professor S. M. Sethna and Shri M. G. Patel Studies in Iso-Coumarins
- (c) Professor S. M. Sethna and Shrimati S. R. Parkhi Studies in 5 Pente-decy 1-resorcinol
- (d) Dr. J. S. Dave and Shri A. M. Talati Chelate Compounds
4. *Physics* :
- (a) Dr. N. S. Pandya and Shri J. R. Pandya Optical Studies of Growth and etch features of mineral crystals
- (b) Dr. N. S. Pandya and Shri C. J. Shah Optical Studies of etched surfaces of Metal and Alloy Crystals
5. *Statistics* :
- (a) Professor N. M. Bhatt and Shri Y. C. Patel Statistical Analysis of Ayurvedic Data
- (b) Shrimati Indira Bhanot and Shri J. C. Jaiswal Statistical Summary of Medical Inspection Reports
- (c) Shrimati Indira Bhanot, Sarvashri C. G. Khatri and S. G. Palkar Studies in Vital Statistics—Baroda

*Name of the department and the teacher*

*Subject*

6. *Zoology* :

Professor J. C. George, Sarvashri R. M. Naik and K. S. Scaria Structure and Physiology of the Flight Muscles of Flying Animals

*Faculty of Education and Psychology*

*Education and Psychology* :

- (a) Professor T. K. N. Menon (i) Psychological Factors of Adolescent Adjustment (Indian Council of Medical Research Project)
- (ii) Teaching of English as a Foreign Language.
- (iii) Plans and Procedure for Examination Reforms in Universities
- (b) Professor S. N. Mukerji (i) Inspection of Secondary Schools in India
- (ii) Rashtra Bhasha Ki Shiksha
- (c) Dr. M. S. Patel (i) Teaching of English as a Foreign Language
- (ii) The reproduction of English Sounds in Gujarati (Being the construction of a new phonetic transcription for Gujarati Children learning English)
- (d) Shri L. J. Bhatt (i) Norms, Reliability and Validity of a Performance Test (different age groups)
- (ii) Parent-Teacher Expectation Inventory
- (e) Shri T. P. Lele (i) Determining the Norms for Koh's Block (Ministry of Education Project)
- (ii) Standardisation of the University Entrance Test (Ministry of Education Project)



*Name of the department and  
the teacher*

*Subject*

- (f) Shri T. P. Lele and  
Dr. D. M. Desai
- (g) Dr. M. Yoganarasimhiah
- (h) Dr. A. S. Patel
- (i) Dr. D. M. Desai
- (iii) Standardisation of a Group  
Test of Intelligence in Gujarati  
(Ministry of Education Project)
- (iv) Clerical Aptitude Test (Mini-  
stry of Education Project)
- Plans and Procedure for Examina-  
tion Reforms in the Baroda Univer-  
sity (Ministry of Education Project)
- (i) Psychological Factors relating  
to Adolescent Adjustment
- (ii) Educational and Vocational  
Guidance at High School Stage
- (i) Distortion in Judgement as a  
function of prestige suggestion
- (ii) A study to test the hypothesis  
that fast learners retain longer
- (iii) An investigation to explore  
the conditions under which  
Ziegarnik Effect (in reten-  
tion) occurs
- (iv) Learning as a function of  
visual and oral presentation  
of learning material
- (i) Educational and Psychological  
terms in Gujarati (Ministry  
of Education Project)
- (ii) Construction and standardisa-  
tion of Achievement Tests in  
History and Geography for  
Std. VIII (Ministry of Edu-  
cation Project)
- (iii) Educational Evaluation and  
Testing Procedures in the  
Secondary School
- (iv) Mano Vignyanani Pagadandi
- (v) Shikshan Pathoni Ruprekha

*Name of the department and  
the teacher*

*Subject*

- (j) Dr. (Shrimati) P. Phatak
- (k) Shri M. A. Quraishi
- (l) Shrimati M. M. Amin
- (m) Dr. N. N. Shukla
- (n) Shri Fernandis H. J. X.
- (o) Shri M. B. Buch
- (p) Sarvashri M. B.  
Buch and Fernandis  
H. J. X.
- Application of Phatak's Draw-a-  
man-scale to school going children  
in Gujarat
- (i) Four Educators of the Middle  
East
- (ii) Jadoo, an unknown Urdu poet  
of Baroda
- (iii) Translation of IBN Jama 'sh's  
Tazkirat-us-Sami into English  
(in progress)
- (iv) Muslim Education in Gujarat  
(in progress)
- Helping (a) the slow-learning child  
(b) the retarded child
- pinning Machine
- Standardising Machine
- ment Tests pinning Machine  
Boys)
- Construcion of a Manual -  
cational and Vocational Guidance
- (i) Construction and standardisa-  
tion of Achievement Tests in  
Algebra, Geometry, Arith-  
metic and General Science (Mi-  
nistry of Education Project)
- (ii) Construction of an attitude  
scale to measure the attitudes  
of Secondary School teachers  
towards their profession by  
Thurston's Method and Likert  
Technique
- Designing a Cumulative Record Card  
for the use of Secondary Schools  
(Ministry of Education Project)



Name of the department and  
the teacher

Subject

Faculty of Medicine

1. *Physiology :*  
Professor J. D. Pathak
  - ( i ) Studies in Norms
  - ( ii ) Physiological basis of Ayurvedic classification of Prakritis
  - ( iii ) Seasonal variations in the taste of Tigrina
  - ( iv ) Effects of frequency of meal on muscular efficiency
  - ( v ) Effects of Ions on gastric response and evacuation
2. *Pharmacology :*
  - ( a ) Professor G. K. Karandikar and Dr. S. D. Gokhale
    - ( i ) Hypophyseal Adrenocortical axis mediation in antirheumatoid drug effects
    - ( ii ) Indigenous diuretics
  - Professor G. K. Karandikar and Dr. D. S. Salunke
    - Pharmacology of Rametha
3. *Preventive and Social Medicine :*  
Professor A. K. Niyogi and Dr. S. R. Trivedi
  - A study of epidemiology of syphilis
4. *Bio-chemistry :*  
Dr. M. L. Pai
  - ( i ) Investigations into the relationship between vitamin B-complex deficiency and the texaemias of pregnancy
  - ( ii ) Gastric secretory function by tubeless method as compared with the standard intubation method
  - ( iii ) Investigation into the disturbed carbohydrate metabolism in abortions

Name of the department and the  
teacher

Subject

- ( iv ) Study of electrophoretic pattern of fractional serum in different diseases
- ( v ) Study of influence of cook by different methods on the nutritional value of foods

Faculty of Technology and Engineering

1. *Electrical Engineering :*  
Professor S. M. Sen and Shri M. R. Panchal
  - Magnetic Cross-Valve
2. *Textile Engineering :*
  - ( a ) Professor K. H. Patel
    - ( i ) Tairo Heald Tester
    - ( ii ) Cotton Cleaning Machine
  - ( b ) Shri S. S. Dighe
    - ( i ) Ring Traveller Machine
    - ( ii ) Tairo Spinning Machine
  - ( c ) Shri K. Krishna Moorthy
    - ( i ) Picker Testing Machine
    - ( ii ) Tairo Spinning Machine
3. *Architecture :*  
Shri M. B. Achwal
  - Research on Tajmahal

Faculty of Social Work

- Social Work :*  
Shri G. G. Dadlani
  - Survey of Social Work Education in India

College of Indian Music, Dance and Dramatics

1. *Music :*  
Professor R. C. Mehta
    - Indian Music, its legend, history and heritage
  2. *Drama :*  
Professor C. C. Mehta
    - Bibliography of Drama
- Sanskrit Mahavidyalaya*
- ( a ) Shri H. C. Mehta
    - ( i ) Naishadhiya Charitam
    - ( ii ) Critical Study of Jagadgurur
  - ( b ) Shri K. C. Shrivastava
    - Critical Study of Patanjali
  - ( c ) Shri D. K. Vaidya
    - Sangit Chudamani



## CHAPTER VIII—FACULTY OF ARTS

### 1. Brief History

The Baroda College was 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 Archaeology 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) Upto Ph.D.: English, Gujarati, Marathi, Sanskrit, Sociology, History, Philosophy, Economics, Politics, Archaeology and Ancient Indian Culture

(2) Upto M.A. only: Persian, Psychology, Statistics, Geography, Linguistics and Mathematics

(3) M.A. (Subordinate) only: Pali and Urdu

(4) Upto B.A. (Principal and Subsidiary) only: Hindi

(5) B.A. (Subsidiary and General) only: Pali, French, Urdu, Education and Law

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

### 4. Number of Students

The number of students enrolled in various classes at the commencement of the year 1957-58 was as under:

Class	Men	Women	Total
F.Y. B.A.	244	65	309
Jr. B.A.	160	31	191
Sr. B.A.	109	28	137
Jr. M.A.	74	16	90
Sr. M.A.	51	7	58
Diploma in Library Science	8	3	11
Ph.D.	14	1	15
Total	660	151	811

### 5. Staff

During the year, the staff of the Faculty consisted of 2 Professors, 10 Readers, 12 Senior Lecturers, 10 Junior Lecturers, 9 Tutors, 9 Class III and 15 Class IV servants and 2 Part-time Teachers. Teachers of the Faculty also carried out teaching assignments in the following Faculties and Institutions where the Humanities and the Social Sciences are included in their various courses:

(1) Faculty of Science, (2) Faculty of Commerce, (3) Faculty of Technology and Engineering, (4) Faculty of Fine Arts, (5) Faculty of Home Science, (6) Intermediate College, (7) College of Indian Music, Dance and Dramatics and (8) The Baroda Museum and Picture Gallery

### 6. Library and Reading Room

The library of the Faculties of Arts and Commerce is now amalgamated with Shrimati Hansa Mehta Library and the students are making use of that library. Different departments of the Faculty have been loaned reference books by the University Library for the exclusive use of the teachers.

### 7. Museum

The Museum of the department of Archaeology contains important antiquities which are being added to, year by year. During the year it was enriched by the addition of antiquities from Egypt, Crete and other



countries, presented by the Institute of Archaeology, Melbourne. A new diorama of prehistoric man was also completed in this year. Other antiquities of prehistoric and historic periods were collected by the members of the staff of the Archaeology Department in the course of their activities. There is also a section in the Museum containing material collected by the Sociology Department.

The following is the statement of equipment of the department of Archaeology :

Sr. No.	Item	Cost of equipment as on 1-7-1957 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1958 Rs.
1	Museum	3,209-14-0	—	—	3,209=87
2	Studio	12,266- 0-0	—	980=96	13,246=96
3	Excavation equipment	1,107- 0-0	—	77=35	1,184=35
4	Drawing equipment	1,448- 0-0	—	358=75	1,806=75
5	Deadstock	2,457- 8-3	—	836=46	3,293=98
		20,488- 6-3 i.e. 20,488=39 nP.		2,253=52	22,741=91

#### 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 1957-58 :

##### (1) Articles or Papers :

Name	Title	Where Published
1 Dr. A. H. Somjee	(a) Some problems of verification in Political theory (b) Four Communisms (c) A note on Marshall Lakov	T. D. Weldon's Indian Political Science Journal, December, 1957 Quest, December, 1957 Economic Weekly, October, 1957
2 Shri C. N. Bhalerao	Interview in Competitive Examination	The Journal of M. S. University of Baroda, March, 1958
3 Shri I. A. Dave	Gujarat—Its language and literature	The P.E.N. All-India Writer's Conference 4th Session Souvenir, Baroda, October, 1957

	Title	Where Published
4 Sh. Hind. Joshi Econ Tutor Four Intervals. G. Javadekar Tutors wh Intermedi 10% of th individual res I)	(a) Literary tradition in Baroda (b) Vidyapithma Sahityanu Sikshan Double Age Catuskoti of Advaita Vedant (a) Eight Marble Culture from the University Compound (b) A Myth of Migration of Goddess Kalika (Jointly with Dr. A. N. Jani) (c) A restructed coin from Kamrej (d) Piechavias, the temple handing of the Vallabhacharya Sect	The P.E.N. All-India Writer's Conference 4th Session Souvenir, Baroda, October, 1957 Manisha, January, 1958 M. S. University Journal, March, 1958 M. S. University Journal, Vol. VI, No. 1 Journal of the Oriental Institute, Vol. VI, No. 3 Journal of the Oriental Institute, Vol. VIII, No. 4 Journal of Indian Textile History, Vol. III
7 Shri S. C. Malik	Bombay Palaeolithic Industries—reevaluation	Journal of the M. S. University of Baroda, Vol. VI, No. 1
8 Dr. S. S. Bhawe	The Some hymns of Rg. Veda—A fresh interpretation	M. S. University of Baroda Research Series No. 3
9 Shri S. G. Kantawala	A note on Rsis	Journal of the Oriental Institute, Vol. VIII, Nos. 1 and 2
10 Dr. I. S. Gulati ✓	Effect of taxes on Demand for current resources	Capital (Calcutta) Annual Number, December, 1957
11 Dr. S. C. Misra	(a) Welfare Activities under Medieval Indian Ruler (b) Administrative system of Shershah (c) Gujarat, Malwa and Rajasthan in the 16th century	M. S. University Journal Islamic Culture Journal of the Oriental Institute
12 Sarvashri V. D. Salgaonker and D. D. Mahulkar	Marathi literature in Baroda	The P.E.N. Souvenir, Baroda, October, 1957



## (2) Books

Name	Title	Month of	Year	Other
1 Dr. V. P. Dandekar	(a) Marathinatyashrusti Samajik Natak	September,	1957	A new y the mem- se of their
	(b) Ratrani	December,	1958	material
2 Shri H. C. Malkani	Socio-Economic Sur- vey of Baroda City	February,	1958	Department of

## 9. Literary, Cultural and Other Activities

Many members of the staff contributed articles on academic themes and reviews on important books in outstanding popular themes and reviews on important books in outstanding delivered public lectures and were associated with academic, literary cultural activities in and outside Baroda. Three members of the faculty worked as N.C.C. officers. Dr. S. S. Bhavé was elected President of the Vedic Section of the All-India Oriental Conference. Sarvashri D. D. Mahulkar, Lecturer in English and S. H. Joshi, Lecturer in Gujarati each delivered a course of five lectures under the extension lecture scheme of the Faculty on 'The Impact of Modern Logic on Modern Thought' and 'Aesthetics and Modern Critical Theories' respectively in December, 1957. Students of the Faculty took part in Inter-Faculty and Inter-University sports and the Inter-University Youth Festival competitions. The Shakespeare Society staged 'A Mid-Summer Night's Dream'.

## 10. Co-curricular Activities

(i) *Planning Forum*: The Faculty started its own Planning Forum since February, 1958.

(ii) *Tours*: A tour of students and staff to places of historical interest in South India was arranged during the year.

(iii) *Socials*: The Faculty Day was celebrated on the 23rd December, 1957.

(iv) *Debates*: Speakers' Club of the Faculty arranged several debates and symposia on "1857" and "Meghdut".

(v) The following societies carried on their usual activities during the year:

- |                              |                               |
|------------------------------|-------------------------------|
| (a) English Literary Society | (e) Gujarati Literary Society |
| (b) Shakespeare Society      | (f) U.N.O. Society            |
| (c) History Society          | (g) Politics Society          |
| (d) Marathi Literary Society | (h) Sanskrit Association      |

- |                           |                    |
|---------------------------|--------------------|
| Philosophy Association    | (1) Badami-i-Adab  |
| 4 Sh Hindi Sahitya Samiti | (m) Music Circle   |
| Economic Association      | (n) Speakers' Club |

## 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 on 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.

## 12. Important Events

(i) Shri Brindavanlal Varma, the famous Historical Novelist, Professor Briggs of the Leeds University and Mr. O. J. J. Trust, Regional Representative of the British Council in India visited thackley, Faculty and gave talks.

(ii) Department of Sociology received a donation of Rs. 10,000/- from the Associated Cement Company of India for purchase of a s a equipment for research in Sociology.

(iii) Department of Archaeology Professor and the Deccan College, Poona jointly carried out an excavation term and the Deccan College, Poona Navda Toli in the Madhya Pradesh.

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## 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. The University took over the Baroda Arts and Science College from May, 1949 and in the following year the Science side was re-organised in the present Faculty of Science.

### 2. Buildings

The Faculty is accommodated in its main building known as the Sayaji Jubilee Science Institute Building and the Square Block Building. There is a separate small room for the Meteorological Observatory, near also a small building which accommodates the old gas plant, the There's shop, etc.

Expenditure for building purposes of about five lacs of Rupees have been received from the University Grants Commission and the Government of Bombay. From the old small workshop, a building for vivarium has been built in 1958. Construction of a new building which will have been constructed and the cost more space for post-graduate provide the departments of the Faculty the teaching and research, has been started.

### 3. Courses of Studies

There was provision for the following during the year:

- (i) A course leading to the B. Sc. degree in the subjects of Botany, Chemistry, Geography, on their own, Mathematics, Physics, Statistics and Zoology;
- (ii) A course leading to the M. Sc. degree in the subjects of Biochemistry, Botany, Chemistry, U.N.O., in the subjects of Physics, Statistics and Zoology.
- (iii) For Ph.D. degree in the subjects of Sanskrit, Botany, Chemistry, Mathematics, Physics and Zoology.

The new Pre-medical course and the First Year of the new Integrated Three-Year B.Sc. degree course were started in June, 1957, abolishing the old Intermediate Science classes.

### 4. Number of Students

The number of students on roll in the various classes at the beginning of the year 1957-58 was as under:

Class	Men	Women	Total
Pre-medical	49	9	58
First Year B.Sc.	84	11	95
Jr. B.Sc.	104	17	121
Sr. B.Sc.	127	14	141
Jr. M.Sc.	53	2	55
Sr. M.Sc.	32	2	34
Ph.D.	15	1	16
Total :	464	56	520

Preparatory Science classes were transferred to the Intermediate College from the beginning of this year.

### 5. Staff

During the year the teaching staff of the Faculty consisted of 6 Professors, 8 Readers, 8 Senior Lecturers, 17 Junior Lecturers, 30 Demonstrators and Tutors, a Micro-Analyst, 34 Class III servants and 36 Class IV servants. 3 Junior Lecturers, 8 Demonstrators and 2 Tutors were transferred to the Intermediate College in the beginning of the year. Professor N. M. Shah worked as Honorary Professor in Mathematics upto the 10th October, 1957 in the first term of the year.

### 6. Library and Reading Room

Under the University scheme of amalgamating separate libraries and reading rooms of all Faculties and Colleges situated in the Baroda College Campus with Shrimati Hansa Mehta Library, the Faculty transferred from its library, 8059 volumes of the value of Rs. 1,61,619 in the beginning of the year. The staff and students of the Faculty made extensive use of Shrimati Hansa Mehta Library during the year.

### 7. Museum, Laboratories, etc.

#### (i) Museum :

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



## (ii) Laboratories :

During the year substantial additions were made to the equipment of the various laboratories and the workshop with the help of grants from the University Grants Commission and the Bombay Government and supplementary grants from the University. The following table gives the cost of equipment in the different laboratories during the year 1957-58 :

Laboratory	Cost of equipment as on 1-7-1957	Cost of equipment written off during the year	Cost of equipment added during the year	Cost of equipment as on 30-6-1958
	Rs.	Rs.	Rs.	Rs.
Bio-Chemistry	61,300	—	33,011	94,311
Botany	1,40,313	—	10,509	1,50,822
Chemistry	1,18,724	—	61,835	1,80,559
Geography	17,835	—	22,060 16,883 (Maps)	56,778
Physics	2,06,531	—	38,075	2,44,606
Statistics	62,658	—	—	62,658
Zoology	71,002	—	30,056	1,01,058
Total :	6,78,363	—	2,12,429	8,90,792

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

The following is the list of publications by the members of the staff during the year 1957-58 :

S. No.	Name	Title	Where published
1	2	3	4
(a) (i) Research Papers:			
1	Dr. C. V. Ramakrishnan	(i) Sucrose and starch synthesis in Sugar-cane Plant	Experimentia Vol. 14/3 P. 91, 1958
		(ii) Amino Acid Composition of different lipase preparations from A. Niger	Enzymologia, 15, 3, 1958
(i)		(iii) In vitro lipase synthesis in A. Niger	Naturwissenschaften, 45, 1957

S.No.	Name	Title	Where published
1	2	3	4
2	Shri P. N. Raina and Dr. C. V. Ramakrishnan	(i) Change in Mineral Composition of A. Niger during Biosynthesis of Citric Acid (ii) Change in Free Amino Acid Content of A. Niger during Biosynthesis of Citric Acid	Current Science, 26, 285, September, 1957 Naturwissenschaften, S. 88, 45, 1958
3	Dr. C. V. Ramakrishnan and Shri D. R. Mehta	Studies on Guar Oil	Journal of Am. Oil Chem. Sec. XXIV, September, 1957
4	Dr. C. V. Ramakrishnan, Shri P. N. Raina and Shri M. V. Gadgil	X-ray Mutants of Torulopsis utilis var major	Naturwissenschaften, S. 19/20, 45, 1958
5	Shri B. P. Gothoskar, Kumari S. Ratnam and Dr. C. V. Ramakrishnan	(i) Application of an anthrone method for the estimation of glucose, etc. (ii) Non-requirement of glutamine for proliferation of chick embryonic heart fibroblast in a synthetic medium Part I (iii) Turbidity Measurement on the proliferating animal tissues grown in vitro in a synthetic medium	Clinica Chimica Acta, 3, 267, 1958 Journal of Med. Research, 46, 4, 1958 Naturwissenschaften, June, 1958
6	Dr. V. G. Phatak and Kumari K. B. Ambegaokar	Embryological Studies in Acanthaceae III Endosperm and Embryo development in Acanthus Illicifolius	M. S. University Journal, Vol. VI-2, October, 1957
7	Dr. V. G. Phatak and Shrimati Savitha Satakopen	Plant types in Pond Vegetation at Harni (Baroda)	M. S. University Journal, Vol. VI-2, October, 1957
8	Dr. V. G. Phatak and Shri G. M. Satakopen	Observations on the Weeds of M. S. University	M. S. University Journal, Vol. VI-2, October, 1957
9	Shri Prof. J. S. Dave and Shri A. M. Talati	Some 4-Hydroxy Derivatives of Carotene Compounds, in examiners.	Journal of Organic Chemistry, 22, 1957



S.No.	Name	Title	Where published
1	2	3	4
11	Shri C. G. Khatri and Dr. K. V. Ramachandran	An Integral that occurs in Statistics	Bulletin of Calcutta Statistical Association, Vol. VII, No. 26, 1957
12	Shri C. G. Khatri	(i) On a Decision Procedure Based on Tukey's Statistics (ii) Certain Multivariate Distribution Problems: I (Wishart's Distribution) (iii) On Computational procedure for Generalized R or U	Annals of Mathematics Statistics Vol. 28, pp. 802-806, September, 1957 M. S. University Journal, Vol. VII, No. 1, March, 1958 M. S. University Journal, Vol. VII, No. 1, March, 1958
13	Dr. J. C. George and Shri R. M. Naik	(i) Studies on the Structure and Physiology of the Flight Muscles of Birds—Part I (ii) Studies on the Structure and Physiology of the Flight Muscles of Bat—Part I (iii) Relative Distribution of Mitochondria in two types of Fibres in Pectoralis Major Muscles of the Pigeon (iv) Relative Distribution and Chemical Nature of the Fuel Store of the two types of fibres in the Pectoralis Major Muscles of the pigeon	Journal of Animal Morphology and Vol. IV-I, 1957 Ibid, Vol. IV-2, 1957 Nature 181, 782, 1958 Nature 181, 709, March, 1958
14	Dr. J. C. George and Dr. R. V. Shah	(i) The Myology of the Chelonian Limb—Part I (ii) The Myology of the Chelonian Limb—Part II	Ibid, Vol. VI-2, 1957 Ibid, Vol. V-1, 1958
15	Dr. J. C. George and Shri K. S. Scaria	(i) Lipase preparations from A. Niger In vitro lipase synthesis in A. Niger	Naturwissenschaften, 457, 1957

S.No.	Name	Title	Where published
1	2	3	4
		(ii) Histo-Chemistry of Muscle Lipase (iii) Histochemical Demonstration of Lipase Activity in Pectoralis Major Muscle of the Pigeon	Ibid, Vol. V-1, 1958 Nature 181, 783, 1958
16	Dr. J. C. George and Kumari Dolly Jyoti	(i) Studies on the Structure and Physiology of Flight Muscles of Birds—Part II (ii) Studies on the Structure and Physiology of the Flight Muscles of Bat—Part II	Ibid, Vol. IV-2, 1957 Ibid, Vol. V-1, 1958
17	Dr. J. C. George and Shri J. Eapen	Certain Histochemical and Physiological observations on the adipose tissue of the Pigeon	Ibid, Vol. V-1, 1958
18	Dr. J. C. George, Shrimati A. K. Susheela and Shri K. S. Scaria	Quantitative and Histochemical study of Lipase Activity in the pectoralis Major Muscle of the Bat	Naturwissenschaften, 4, 93, 1958

## (ii) Papers read at Conferences:

S.No.	Name of the teacher	Conference	Title of the Paper
1	Dr. C. V. Ramakrishnan	Symposium on 'Fat' Biological Society of India, January, 1958,	Gaur Seed Oil
2	Dr. N. S. Pandya and Shri J. R. Pandya	Indian Science Congress, January, 1958	Etching of Mica
3	Shrimati V. A. Janaki	Indian Science Congress, January, 1958	Historical Geographic Settlements in Kerala
4	Professor N. M. Bhatt	"	Estimation of Parameters in Mucalister's Curve
5	Shrimati Indira V. Bhanot	"	Fitting of Makeham's Curves by Internal Least Squares
6	Dr. J. S. Dave and Shri A. M. Talati	"	Chelate Compounds, in examiners.



## (b) Books

Name of the teacher	Title	Published by
Professor A. R. Chavan	Text Book of Biology	Acharya Book Depot, Baroda, July, 1957

## 9. Literary, Cultural and Other Activities

## (a) Activities by teachers :

Several teachers of the Faculty took active part in literary and cultural activities in and outside the University. Some of them worked as officers-in-charge of major games.

## (b) Activities by students :

Students of the Faculty participated in various activities like debates, competitions and sports. They also celebrated Faculty Day by arranging the entertainment programme of Garba, Drama, etc.

## (c) Other activities :

The Faculty exhibited a flower and fruit show, celebrated Wild Life Day and showed magnified images of moon, planets, stars, etc. to many parties through the 8" refracting telescope. The Meteorological Observatory continued to do its useful work and was classed as 'very excellent' by the Government of India.

## 10. Co-curricular Activities

## (a) Societies :

Each department of the Faculty continued its usual activity of arranging lectures, reading of papers, discussions, etc. on various scientific topics. The Societies arranged in all 23 lectures on various topics. Some of the important lectures by distinguished visitors to the Societies were :

Speaker	Subject
1 Professor K. A. Thaker Professor of Chemistry, Sardar Vallabhbhai Vidyapeeth, Vallabh Vidyanagar, Anand	Resolution of Organic Compounds
2 Mr. Richard Hughes, Mechanical Engineer, Hawaii Islands	Air-Conditioning

Speaker	Subject
3 Shri J. F. Shah, Statistician, N.C. Corporation, Bombay	Statistical Quality Control
4 Professor P. N. Ganapati, Professor of Zoology, Andhra University, Waltair	Zoological Research at Andhra University
5 Professor George Kuryan, Professor of Geography, Madras University	Geography as Basis for Study of other Subjects
6 Shri S. H. Rasul, Research Scholar, Aligarh University	Geological History of Pavagadh

Under the auspices of the Chemical Society a symposium on "Energy" was arranged during the year.

## (b) Tours and Excursions :

Students of various departments went on study tours to the places of their respective interest.

## 11. Tutorial and Class Work

According to the Examination Reform Scheme, changes have been introduced in the method of conducting periodical tests to which so far 20% marks for theory and 25% marks for practicals were assigned. It has been laid down that for each subject, there should be at least two tests per term and a terminal test equal to two tests. For B.Sc. I Year, marks for these tests have been raised to 30% uniformly for theory and practical and this will be done for B.Sc. II Year and B.Sc. final year successively during the next two years. Forms have been devised to maintain systematic records of these marks for all the three years of the B.Sc. course and arrangements have been made for periodical inspection. Short answer-questions are to be introduced in question-papers to increase the reliability of assessment by teachers.

The performances of the students in periodical tests and the final examination were carefully studied. It was found that, in Faculty of Science, the students did not score in the periodical tests, which are assessed by the internal teachers, as high as in the final examination, in which the assessment is made both by external and internal examiners.



There is nothing basically wrong in such difference if the objectives of the two examinations differ. It was found that the periodical tests, which were of smaller duration of time than the final examination, had more questions on applications and original thinking, while in the question paper for the final examination, there were more theory questions requiring only information. It was also found that students neglected the principal subject during the junior year and it was felt that the problem needed careful consideration. The system of periodical tests has now become a normal and accepted feature and it has made the students regular throughout the year. We have now entered the second phase when we want to make examinations more objective and conducive to better teaching and learning.

## 12. Other Important Events

( i ) The new Pre-medical Class and the First Year Class of the new Integrated Three-Year B.Sc. course were started in June, 1957.

( ii ) The theses of the following students were accepted during the year for the award of Ph.D. degree :

<i>Name of the student</i>	<i>Subject of the thesis</i>
Shri M. S. Dubale	Certain Aspects of Air-breathing in Fishes
Shri P. S. Wadia	Studies in Chemo-therapy of Micro-Bacterial Infections and of Filariasis
Shri S. G. Kshirsagar	Studies in Protein Metabolism Biochemical Changes in Experimental Protein Malnutrition

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

### 1. Brief History

This institution was started in 1935 as a Secondary Teachers' Training College. It provided courses leading to Diploma in Education for graduate teachers and to the Junior Teachers' Certificate for matriculate teachers. In 1938 it was affiliated to the University of Bombay for B.T. Degree and Diploma in Teaching, and provided with an independent building. A practising high school was also attached to it. The University took it over in 1949 and started M.Ed. course in the same year. During 1950 it was reorganised into Faculty of Education and Psychology and the teaching of psychology in the University was assigned to the Faculty. The Faculty started courses in Psychology leading to the B.A. ( Special ) and M.A. degrees and later those leading to the Post-graduate Diploma in Guidance and Counselling. Advanced studies leading to the M.Ed. and Ph.D. degrees in Education by research were provided in the institution from 1947 onwards and to the Ph.D. degree in Psychology by research from 1952.

### 2. Building

During the year under report the Faculty continued to be housed in the imposing building at the entrance of the University campus. During the year an additional wing was added to the western side of the building to provide adequate accommodation to the Department of Psychology. The amount of Rs. 1.15 lakhs spent on this construction was provided by the University Grants Commission and the Government of Bombay.

### 3. Courses of Studies

The Faculty provided the following courses :

( 1 ) Post-graduate courses :

- Ph.D. degree in the subjects of Education and Psychology
- M.Ed. degree by papers and dissertation
- M.Ed. degree by thesis
- M.A. degree in Psychology
- B.Ed. degree

( 2 ) Graduate courses :

- B.A. ( Special ) degree in Psychology



- (3) Diploma courses :  
Diploma in Teaching
- (4) Certificate courses :  
Certificate in Hindi for the B.Ed. and T.D. students

In addition to the above, the Faculty teaches the following courses in Education and Psychology in the different Faculties 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 ) and M.A. degrees ;
- (4) Psychology to the students who have taken Philosophy for M.A. degree and
- (5) General Psychology to the students of the Humanities and Social Science groups of the First Year of the Three Year Degree Course in Arts

*Faculty of Fine Arts :*

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

*Faculty of Home Science :*

Educational Psychology to the students of the Fourth Year of the B.Sc. ( Home ) Class

The Faculty introduced in June, 1958 revised courses for the B.Ed. and T.D. students. These courses first outlined by an expert committee appointed by the Union Ministry of Education and finalised in details by the Faculty of Education and Psychology are meant to meet the new demands of the reorganised secondary schools. The accent in the revised syllabus is on the training, at this level of teacher education, personnel to teach at least two secondary school subjects with skill and also undertake the working of at least one school activity like audio visual education.

educational measurements and maintenance of students' records, etc. The Faculty also started from June, 1958 courses leading to the Post-graduate Diploma Course in Guidance and Counselling. Candidates taking this course could work as teacher counsellors in secondary schools.

**4. Number of Students**

The number of students enrolled in the various classes at the commencement of the year 1957-58 was as follows :

Class	Men	Women	Total
Ph.D. ( Thesis )	8	1	9
M.Ed. ( Thesis )	3	1	4
M.Ed. ( By papers ) Jr.	15	5	20
M.Ed. ( By papers ) Sr.	15	4	19
B.Ed.	91	11	102
M.A. ( Psychology ) Jr.	2	3	5
M.A. ( Psychology ) Sr.	2	2	4
B.A. ( Psychology ) Jr.	4	16	20
B.A. ( Psychology ) Sr.	5	11	16
T.D.	28	3	31
	<hr/> 173	<hr/> 57	<hr/> 230

**5. Staff**

During the year, the staff of the Faculty consisted of 2 Professors, 4 Readers, 5 Senior Lecturers, 7 Junior Lecturers, 1 Tutor, 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 six Research Assistants, one Research Fellow and two Field Assistants working on three research projects financed by the Union Ministry of Education and the Indian Council of Medical Research.

**6. Library and Reading Room**

In the beginning of the academic year, the Faculty Library was merged with Shrimati Hansa Mehta Library which is located nearby. In this process care was taken to retain in the Faculty small collections of important books in each subject to be used as Departmental Libraries. Experience during the year has shown that in the interests of better work, these Departmental Libraries need strengthening. The Reading Room which is retained provided facilities for general reading.



## 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 1957-58 there was an addition of about 100 projects 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 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 1-7-1957 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1958 Rs.
1	Museum	7,146.25	Nil	441.06	7,587.31
2	Teaching aids prepared by the students	2,600.00	Nil	100.00	2,700.00

(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. Under the revised syllabus Audio-Visual Education was introduced as an optional subject for specialization at the T.D. level as well. The revised syllabus also provides for a general orientation programme in the manipulation, repairs and information about audio-visual aids for all the B.Ed. and T.D. candidates who have not offered Audio-Visual Education as a special field. The needs of the revised syllabus and the use of films in teaching subjects in psychology and education make substantial additions to audio-visual equipment of the Faculty important and urgent.

The cost of the articles for Audio-Visual Aids is as follows :

S. No.	Item	Cost of equipment as on 1-7-1957 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1958 Rs.
1	Audio-Visual Aids	1,593.80	Nil	598.44	2,192.24

## (3) Psychological Laboratories :

The Psychological Laboratories of the Faculty are some of the best in the country. They are equipped with a rich collection of precision instruments required for psychological experiments. There is a separate section of the laboratories, which deals with mental tests and this includes a good deal of modern material required for testing intelligence, aptitude, achievements and personality. New additions to the apparatus of the laboratories could be effected during the year through acquisitions made with the assistance of the Wheat Loan Fund. The problem of space of the laboratories has been solved by the construction of the new Psychology Wing which has made it possible for the provision of three specialised laboratories.

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

Item	Cost of equipment as on 1-7-1957 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 30-6-1958 Rs.
Laboratory	34,806.12	Nil	2,558.37	37,364.49

## 8. Publications

The following were the publications of the members of the staff during the year 1957-58 :

### (A) Articles or Papers :

S.No.	Name	Title	Where published
1.	Professor T. K. N. Menon	(a) In Service Training of Teachers	Teacher Education All India Council for Secondary Education, January, 1957
		(b) The Teaching of Reading and Writing	Educational Quarterly, Ministry of Education, September, 1957
		(c) Current Controversies: Examination Reform in Indian Universities	Educational Quarterly, Ministry of Education, March, 1958
		(d) Nature and Scope of Examination Reform in Secondary Schools	Indian Listener, All India Radio, July, 1958



S.No.	Name	Title	Where published
2.	Professor S. N. Mukerji	School Inspection and Teachers	New Education, March, 1958
3.	Dr. M. S. Patel	Teaching English in India	English Language Teaching, April, 1958; Published by the British Council, London
4.	Shri L. J. Bhatt	(a) Psychology of a Senior Worker (b) Guidance and Student Personnel Services	Journal of Education, January, 1958 Journal of Educational Guidance, May, 1958
5.	Dr. M. Yoganarasimhiah	(a) Adolescent work Attitudes (b) Energy—Theory of Eros	"Psychological Studies", Mysore, December, 1957 "Telugu Encyclopaedia", Andhra University, 1958
6.	Dr. A. S. Patel	(a) How much do our School Children read? (b) Effect of An Electric Shock stimulus upon the conceptual behaviour of 'Anxious' and 'Non-Anxious' subjects (c) What and Why of Play? Part-I (d) What and Why of Play? Part-II (e) An Experimental Study of Some Factors in Suggestion (f) Spontaneous Recovery of the Conditional Eyelid Response	Journal of Gujarat Research Society Vol. XX, January, 1958 No. 1/77 Journal of General Psychology (U.S.A.), 1957 Journal of Physical Education and Recreation Vol. VI, No. 4, October, 1957 Journal of Physical Education and Recreation Vol. VII, No. 1, January, 1958 Proceedings, Indian Science Congress, December, 1957 Contributed (Jointly by the author and Dr. D. A. Grant) to the Midsession Psychological Association meeting at Chicago (U.S.A.), in May, 1958 'Teaching', September, 1957 O. U. P. Vol. XXX, No. 1 Indian Journal of Psychology Vol. XXXI, Parts I & II
7.	Dr. (Shrimati) P. Phatak	(a) The Teacher in his Profession (b) Draw-a-man Test Survey of Investigations	

1 Audio-Aids

S.No.	Name	Title	Where published
		(c) Guidance and Research	Gujarat Research Society Vol. XX No. 1/77, January, 1958
8.	Dr. D. M. Desai	ગુજરાતીનું શિક્ષણ તેનાં હેતુ, શિક્ષણ પદ્ધતિ અને પરીક્ષણ	નૂતન શિક્ષણ, એપ્રિલ-મે-જુન, ૧૯૫૮
9.	Shri I. J. Das	(a) Museums and Education (b) Role of Museums in Education	Journal of Education and Psychology April, 1958 Journal of Indian Museums, 1958
10.	Shri M. B. Buch	Achievement Tests	Bulletin of Gujarat Research Society April, 1958
11.	Shri S. M. Divekar	Is Everything right with Basic Education?	"Kurukshetra" issue of December, 1957
12.	Shri J. J. Mody	ગુજરાતીના વિષયની પરિક્ષા	નૂતન શિક્ષણ, એપ્રિલ-મે-જુન, ૧૯૫૮

(B) Books or Brochures:

S.No.	Name	Title	Where published
1.	Professor T. K. N. Menon	(a) Examination Reforms in Maharaja Sayajirao University of Baroda, 1950-57 (b) Report of the Second Seminar on Promotion of Research in Training Colleges	M. S. University of Baroda, October, 1957 M. S. University of Baroda Press for the Ministry of Education, New Delhi, May, 1958
2.	Professor S. N. Mukerji	(a) History of Education in India (Modern Period) (Revised Edition) (b) An Introduction to Indian Education	Acharya Book Depot, Baroda, December, 1957 Acharya Book Depot, Baroda, January, 1958
3.	Shri T. P. Lele (in collaboration with Research Assistants)	(a) A Manual for University Entrance Test (b) Indian Norms for Minnesota Manual Dexterity Test (c) A Manual for Baroda Test of Clerical Aptitude (d) Indian Norms for Revised Minnesota Paper Form Board Test Series AA	Faculty of Education and Psychology, May, 1958 Faculty of Education and Psychology, May, 1958 Faculty of Education and Psychology, May, 1958 Faculty of Education and Psychology, May, 1958



S.No.	Name	Title	Where published
		(e) A Manual for Group Test of Intelligence	Faculty of Education and Psychology, May, 1958
		(f) Cumulative Record Cards	Faculty of Education and Psychology, May, 1958
4.	Shri M. B. Buch (in collaboration with Research Assistants)	(a) Achievement Tests in English, Gujarati, History, Geography, Arithmetic, Algebra and General Science for Std. VIII	Faculty of Education and Psychology, March, 1958
		(b) Pupils' Profile Chart	Faculty of Education and Psychology, March, 1958

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

S. No.	Title	Month of Publication
1.	Report on Educational Evaluation and Testing Procedures in History and Mathematics	August, 1967
2.	Report on Educational Evaluation and Testing Procedures in Geography and Gujarati	January, 1958
3.	Report on Educational Evaluation and Testing Procedures in Gujarati and General Science	March, 1958

(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 from this Faculty for the All India Educational and Vocational Guidance Association.

(iii) Periodical Newsletter

Periodical newsletters on important events in Secondary Education (for distribution in Secondary Schools) in South Gujarat continued to be published by the Extension Department of the Faculty.

9. Literary, Cultural and Other Activities

(1) Extension Service:

The Department of Extension Service to the Secondary Schools which is financed by the All India Council for Secondary Education continued its activities in Secondary Schools in the five districts of South Gujarat, in respect of in-service training of their teachers. The Department organised a number of workshops, seminars, week-end courses, short term courses, visits to schools, library services and educational exhibitions during the year.

(2) Rural Education Project—Ranoli:

The Government of India has sanctioned a Project of Rural Education under Second Five Year Plan on Educational Development and sanctioned a yearly grant of Rs. 6,016/- subject to 40% contributions being made jointly by the State Government and the M. S. University of Baroda. During the year the Faculty continued Ranoli as the centre for working this project and also surveyed the nearby village Dasharath.

Under the programme of this project, a batch of ten teacher-students specialising in Rural Education, visit the village on three days in a week and engage themselves in (i) teaching in two primary and one secondary schools to improve teaching methods, (ii) arranging night classes for illiterate adults, film shows, excursions, medical examination, entertainment programmes, etc., (iii) making a socio-educational survey of the village, (iv) holding conferences and seminars for school teachers and (v) trying to enlist the co-operation of the village community to convert the present incomplete secondary school into a multipurpose high school with an agricultural bias.

(3) Other activities:

Some of the members of the staff delivered public lectures and gave extension talks in the various schools where seminars and workshops were arranged by the Department of Extension Services of the Faculty. They were also associated with academic, literary and cultural activities in and outside Baroda.

10. Co-curricular Activities

The following Clubs and Associations carried out their usual programme of work during the year:

(a) Faculty Club



- (b) Science Teachers' Club
- (c) Audio-Visual Teachers' Club
- (d) Psychological Association
- (e) Old Students' Association

## 11. Tutorials and Class Work

### (1) Tutorials:

During the year under report important changes were introduced in the evaluation procedures of the B.Ed. and T.D. students both in regard to the final examinations and the day-to-day work. The weightage given to the class record was raised from 20% to 30%. A new record card was devised for recording the details of the talents and traits, curricular and co-curricular achievements of the students. Tutorial discussions, the results of term papers and other activities and also interests and aptitudes found a place in the record card. The performance of candidates in (i) periodical tests, (ii) essays, (iii) terminal examination, (iv) participation in academic and general discussion during tutorial periods and (v) participation in social functions are all taken into consideration while assessing their class record.

To bring uniformity in the standards of marking by different tutors and to get an overall estimate of the students, a comprehensive interview was taken by a panel of teachers with all the class records for preference and this procedure yielded very valuable results.

The tutorial system as it was carried out in the Faculty not only had a beneficial effect on the students' achievement but also developed friendly relationships between the teacher and the taught.

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

The organization of Practice Teaching for student-teacher consisted of (i) demonstration lessons given by the staff-members, (ii) criticism lessons given by the student-teachers, (iii) regular practice teaching in local high schools and (iv) an off-campus programme of consolidated practice teaching and participation in all the programmes of rural schools to which small batches of candidates with a member of the Faculty staff were allotted. The places selected for the off-campus programme were (Fehuklatirtha, Ode, Bahadarpur, Sokhada, Sachin, Vejpur, Maroli, Nar and publnoii.

## 12. Other Important Events

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

1. Shri Sri Prakash, Governor of Bombay
2. Dr. K. L. Shrimali, Minister for Education, Government of India
3. Mr. O. J. J. Tuckley, Regional Representative, British Council, Bombay
4. Professor Richard Peter Mekeon, U. S. Expert in General Education
5. Dr. A. L. McNeal, U. S. Specialist in Library Science
6. Dr. Champion Ward, Consultant on Education, Ford Foundation
7. Dr. S. L. Mikelson, Educational Consultant, All India Council for Secondary Education
8. Dr. F. P. Schroeter, T. C. M. Consultant on School Buildings
9. Mr. W. A. Chermyshev and Mr. A. S. Barkturdaron, Institute of Oriental Studies, Moscow

(2) Professor T. K. N. Menon was appointed as the Director of Seminar on Promotion of Research in Training Colleges organised by the Ministry of Education at Kashmir in May, 1958 invited to work on the Examination Committee of Experts of the University Grants Commission and the Advisory Committee on the Five Central Institutes of the Ministry of Education, Government of India.

(3) Dr. D. M. Desai, Assistant Co-ordinator of Extension Services was appointed as one of the Evaluation Experts of the Examination Reform Units set up by the All-India Council for Secondary Education.



## (B) UNIVERSITY EXPERIMENTAL SCHOOL

### 1. Building

The school has a vast play-field, a canteen and all other required facilities and continues to be housed on the ground floor of the building of the Faculty of Education and Psychology. A few of its classes are held on the first floor of the building.

### 2. Courses of Study

The school has a primary section consisting of Class I to IV and a secondary section consisting of Class V to XI. It follows the revised prescribed syllabus of the Education Department for its class instruction which is also supplemented by different and improved methods of teaching. This mainly includes the Project Method. The school provides a wide range of optional subjects for the S.S.C. examination, such as Physics and Chemistry, Art, Music, Civics and Hindi and facilities for several hobbies like Gardening, Paper-work, Art, Music and Wood-work.

### 3. Number of Students

The total number of students taking instruction in the school at the end of the year was 385 : 219 Boys and 166 girls.

### 4. Staff

The staff consists of one Principal, 21 teachers, 3 Class III and 6 Class IV servants.

### 5. Library and Reading Room

The school has a stock of about 7000 books. A good collection of small picture stories, books on the revised syllabus and other allied subjects have been added during the year. Facilities to children for the conduct of project study have been maintained in the library by way of supplying the reading material, etc. required for the purpose. About 22 children's magazines are subscribed. Their reviews are prepared by a group of children and these are presented everyday before the school assembly. Valuable files of paper-cuttings and picture-albums have been made.

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

On every Saturday, regular discussions was held in the staff-study circle and problems of the school were discussed. Members of the staff also took active part in lectures, conferences, seminars, workshops, etc.

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

Name	Title of the paper	Where published
(i) Shri G. P. Bhatt	On the teaching of Mathematics	Progress of Education, October, 1957
(ii) Shri J. J. Patel	Community as a Resource in Education	Teacher Education, September, 1957—All India Council for Secondary Education, New Delhi

### 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 curricular studies, the following projects were undertaken during the year :

S.No.	Subjects	Topic	Class
(i)	Social Studies	1500 A.D. to 1800 A.D. Contemporary World	IX
(ii)	English	A Play Box making sentences	VIII
(iii)	Social Studies	Malaya	IX
(iv)	Social Studies	Swaraj Sadhna	X
(v)	Social Studies	Tibet	IX
(vi)	Mathematics	Post Office	VII
(vii)	Hindi	Hindi writers	VIII
(viii)	Mathematics	Post	VI
(ix)	Gujarati	Gujarati nu Gaurav	IX, X, XI
(x)	Gujarati	વાર્તાઓ	VII
(xi)	Gujarati	ગાંધીજીનાં સુવાક્યો	VII

(2) *Debates and Discussions* : During the year under report, several class debates and discussions on current topics were held. A major discussion on the Second Five Year Plan was held by the students of Class X and XI and they had a study of their current problems. Talks on the life of Gandhiji, Tilak, Ramanlal Desai, Vinobaji, Tagore and others were also arranged on the respective days and an interesting 'Chaturno Chotro' was arranged by the children twice in the year.



(3) **Examinations and Testing Procedure:** Most of the teachers were given opportunities to attend various workshops and seminars on the testing technique of the extension department and the school tried to formulate their tests and assignments on the lines of experience gained by the teachers. These procedures were used in examining the child through its performances in (a) Curricular studies, (b) Physical activities (games), (c) Artistic and Cultural activities (Art, Craft, Hobbies, Celebrations, etc.) and (d) Social activities and ability to participate in debates and discussions. To minimise the evils of examination, due emphasis was given on the day to day work which includes the homework, composition and class work of the child. Proper weightage was also given to their achievement in the periodical tests for deciding annual promotions. The records of these achievements and other observations were maintained in the Cumulative Record Card of the school.

#### 9. Co-curricular activities

(1) **Publications:** The second issue of 'The Experimental'—the school magazine—was published during the year.

(2) **Camps:** As a part of compulsory labour and social work, a one day camp at 'Gorva' was organised by the children during the Gram-sudhar Saptah.

(3) To stimulate the A.C.C. activity and as a part of their compulsory programme, the A.C.C. cadets of this school organised a Labour work camp at Samiala and stayed there for three complete days. They constructed an excellent approach road to the local school and thus helped the work of the school.

(4) **Cultural Programme and Celebrations:** The following functions were celebrated during the year:

(i) Parichaya Day, (ii) 15th August, (iii) Krishna Jayanti, (iv) Sharadotsava, (v) Participation in the University Week, (vi) Physical Education Days, (vii) Ganesh Chaturthi, (viii) Republic Day and (ix) Annual Day

(5) **Excursions:** During the year small excursions to Pavagarh, Malsar, Kakrapar, Pani Mines and A.C.C. Cement Factory were organised. A long tour to Ujjain-Bhopal-Sanchi-Zanshi-Gwalior-Agra-Fatehpur Sikri-Delhi-Jaipur-Udaipur and Chitorgarh was arranged during the year. The children had the opportunity of meeting Dr. Rajendra Prasad, the President of India in Rashtrapati Bhavan at Delhi.

(6) **Science Club:** All the students in Class VIII to XI are the members of the Science Club. During the year, the Club carried out activities like preparing models, apparatus and charts, meteorological observations, gardening, etc.

(7) **Old Students' Association:** This was re-organised during the year. Its constitution was framed and published. Many meetings were conducted during the year to strengthen the mutual school relations.

(8) **University Experimental Broadcasting Service (U. E. B. S.):** This activity continued its programme during the year and presented it on every last Saturday of the month.

#### 10. Other Important Events

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

1. Dr. S. Thomas Satyamurti, M.A., D.Sc., F.Z.A., Curator, Zoology Section, Madras Government Museum
2. Shri Sundaram, the famous Gujarat Poet of Pondichery Ashram
3. Mr. B. Reprounch and Mr. A. Fapxydapob, Research Scholars from U. S. S. R.
4. Miss Leslie of the United States Educational Foundation in India
5. Shri Seeporamana—Bandug. (Unesco Fellowship holder)
6. Dr. Michelson, Educational Consultant of the All India Council for Secondary Education, New Delhi
7. Shri Sri Prakash, Governor of Bombay



## CHAPTER XI—FACULTY OF COMMERCE

### 1. Brief History

The Faculty of Commerce which originally came into existence as Pratapsinha College of Commerce and Economics affiliated to the Bombay University in 1942, became constituent part of the M. S. University in 1950. In the year 1951 the first two years of the institution were absorbed in the Intermediate College established in that year. The Intermediate class was merged in the three year degree course started in the year 1957. The Institution was originally housed in a building in the centre of the Baroda City but in the year 1951 it was transferred to the Baroda College building for greater convenience of University administration and for co-ordination of teaching.

### 2. Building

The Faculty of Commerce is housed in the part of the Baroda College Building. It has five lecture halls which are used by the first, second and third year degree classes. In addition it has four small halls for use by classes in optional subjects. These halls are used by other Faculties also. In the morning hours the halls are used by the Intermediate College. Construction of a new building at an estimated cost of about Rs. 1,97,000/- was started during the year.

### 3. Courses of study

The Faculty provides instruction in the subjects prescribed 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 in Commerce was introduced in the Faculty during the year under report. Business Administration has been introduced as an additional optional subject for the B.Com. degree examination and as an optional group of papers for the M.Com. degree examination in the year under report.

### 4. Number of students

The number of students enrolled at the commencement of the session 1957-58 was as under :

Class	Men	Women	Total
(1) Diploma in Co-operation	25	—	25
(2) F. Y. B. Com.	239	1	240

		Men	Women	Total
(3)	B. Com.	132	—	132
(4)	CH. Com.	85	—	85
(5)	. Com	8	—	8
(6)	. Com.	5	1	6
(7)	Diploma in Banking	10	—	10
(8)	Peme	3	—	3
	Total :	507	2	509

### 5. Staff

During July year, the teaching staff of the Faculty consisted of 1 Professor, 4 Readers, 1 Senior Lecturer, 3 Junior Lecturers, 3 Part-time Teachers, 4 Class III and 6 Class IV servants. Teaching work in the subject of English is managed by the Readers and Senior and Junior Lecturers of the Department of English of the Faculty of Arts and teaching in Statistics is looked after by a Reader of the Department of Statistics of the Faculty of Science.

Close co-ordination exists between the teaching staff of the Economic Departments of the Faculty of Arts and of the Faculty of Commerce. Members of the Faculty of Commerce have also teaching work in the Faculty of Technology and Engineering.

Shri M. G. Parikh, Manager, Bombay Branch of the Bank of Baroda gave a series of lectures as a Visiting Professor, to the students of the post-graduate Diploma in Banking on the subject of "Legal Foundation of Routine in Banking" and "Banking and Developing Economy".

In addition, the following persons from the Bank of Baroda gave talks to the students of the post-graduate Diploma in Banking on the subjects mentioned against them :

Name	Subject
1. Shri G. C. Basu	Principles of Bank Lending ; Reserve Bank Inspection ; Branch Control
2. Shri J. S. Parikh	Consideration of Advance Proposals
3. Shri G. S. Pathak	Deposits
4. Shri A. C. Sheth	Inspections of Branch
5. Shri J. M. Mushruwala	Foreign
6. Library	f a Principal, 5

The entire stock of books purchase attached to the Faculty for its library has now been transferred to Shrimati H. Y.



## 7. Literary, Cultural and Other Activities

Planning Forum prepared a paper on "Co-operative Farming" and same was sent to the Planning Commission for discussion.

## 8. Co-curricular Activities

(1) During the session some lectures were arranged to exhibit the Faculty Students Representative Council.

(2) The National Plan Day was celebrated on the 13th September by Planning Form. A radio talk, debate and a symposium were arranged on all these three days.

(3) Study tours by the students of the Faculty were undertaken during the year to some mills, banks, industrial factories at Nadiad, Bombay and Ahmedabad and to Ajanta and Ellora caves near Aurangabad.

## 9. Tutorial and Class Work

During the year students were given four topics in every subject of their study and marks were allotted to the answers out of a maximum of 20 marks. Moreover 10 marks were reserved for viva-voce and attendance for F. Y. degree class. These marks were later added to the marks obtained by them in their papers in the University examination.

## 10. Other Important Events

The Dena Bank Trophy Debate was held on the 23rd September, 1957 under the Chairmanship of Dr. C. S. Patel, Pro-Vice-Chancellor of the University on the subject "The latest budget proposals will hamper more than help the economic development of the Country." The following Colleges in Gujarat participated:

1. H. L. College of Commerce, Ahmedabad
  2. M. J. College of Commerce, Bhavnagar
  3. K. P. College of Commerce, Surat
  4. B. J. Vanijya Mahavidyalaya, Vidyanagar
  5. Law Society, Commerce College, Ahmedabad
  6. Faculty of Commerce, Baroda
- The Trophy was won by the H. L. College of Commerce, Ahmedabad.

under:  
class  
in Co-operative  
B. Com.

## 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., M.Sc., D.A., D.C.P., D.L.O., D.O., D.Ped., D.V. & D. The post-graduate teachers in clinical and non-clinical subjects have been recognised since the 15th June, 1954.

#### 4. Number of students

The number of students enrolled in various classes in the year 1957-58 was as under:

Class	Men	Women	Total
1st year M.B., B.S.	52	10	62
2nd year M.B., B.S.	60	10	70
3rd year M.B., B.S.	49	8	57
4th year M.B., B.S.	57	3	60
5th year M.B., B.S.	78	17	95
Post-graduate Degrees	43	6	49
Post-graduate Diplomas	14	—	14
	<hr/> 353	<hr/> 54	<hr/> 407

#### 5. Staff

The staff of the College consisted of a Principal, 5 Professors, 7 Lecturers, 13 Junior Lecturers, 37 Teachers attached to the teaching hospital, 34 Class III and 46 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 daily	54
2.	Average number of teachers making use of the Library daily	47
3.	Total number of books issued to the students during the year	12,482
4.	Total number of books issued to the teachers during the year	3,574

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 1-7-1957	6412	96,374 = 75
2.	Books written off during the year	—	—
3.	Books added during the year	211	9,854 = 14
4.	Books as on 30-6-1958	6623	1,06,228 = 89
5.	Journals subscribed during the year	112	6,007 = 86
6.	Amount spent on binding during the year	—	138 = 00
7.	Total amount spent during the year	—	16,000 = 00

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

The College museums contain specimens as under :

1.	Anatomy ( including comparative Anatomy and Embryology )	Models	168
		Specimens	933
		Charts	260
		Slides	849
		Frames	29
2.	Pharmacology Drugs ( including preparations of various firms )	Specimens	3460
		Charts	71
		Frames	118
		Photographs	99

3.	Pathology	Models	6
		Specimens	900
		Charts	80
		Frames	62
4.	Preventive and Social Medicine	Models	115
		Charts	55
		Slides	403
5.	Forensic Medicine ( including Toxicology )	Specimens	72
		Charts	3
		Drugs	113

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

S. No.	Item	Cost of equipment as on 1-7-1957	Cost of equipment written off during the year	Cost of equipment added during the year	Cost of equipment as on 30-6-1958
		Rs.	Rs.	Rs.	Rs.
1.	Museum	2,94,639	187	200	2,94,652
2.	Laboratories	5,17,098	9,857	10,402	5,17,643
3.	Studios ( Artist )	12,663	—	—	12,663
	Total :	8,24,400	10,044	10,602	8,24,958

### 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 wherein published with month of publication
1.	Dr. B. D. Misra	Rotator humeri	Journal of Anatomical Society of India, Vol. VI, No. 2, December, 1957
2.	Dr. J. D. Pathak	( a ) Nutritional requirements and diet of middle classes in Gujarat	Proceedings—Third Conference of Research workers in Gujarat, November, 1957



S. No.	Name	Title	Name of the Journal, where published with month of publication
		(b) Acid control of Pylorine	Proceedings—Third Conference of Association of Physiology and Pharmacology of India, January, 1958. Indian Journal of Physiology and Pharmacology, Vol. II, No. 2, April, 1958
3.	Dr. J. D. Pathak and Dr. B. N. Mazumdar	Muscular efficiency, its relation to meals and their frequency	Journal of the M. S. University of Baroda, Vol. VI No. 2, October, 1957
4.	Dr. M. L. Pai	(a) Study of some aspects and dietetics	Licentiate Vol. 7, July, 1957
		(b) Influence of cooking on the nutritional value of foods. Part II	Indian Journal of Medical Research, Vol. 45, October, 1957
		(c) Effect of cooking by different methods on the nutritional value of foods	Paper read at the Third Conference of Research Workers in Gujarat held at Baroda in October, 1957
		(d) Vitamin B <sub>12</sub> .—its nutritional importance in human body	Licentiate, Vol. 7, No. 3, November, 1957
		(e) PH and titratable acidities of fruits and the effect on keeping	Journal of Animal Morphology and Physics, Vol. IV, No. 2, December, 1957
		(f) A study of the Urinary Nitrogen excretion levels in	Proceedings—Indian Science Congress Association, January, 1958, Abst.

S. No.	Name	Title	Name of the Journal, where published with month of publication
		normals and its relation to dietary protein in take	part III, p. 418, Journal of Animal Morphology and Physiology, Vol. IV, No. 2, December, 1957
		(g) Influence of cooking on the Nutritional value of foods Mineral content of some cooked foods	Indian Journal of Physiology and Pharmacology, Vol. 2, No. 1, January, 1958
		(h) Further study of some problem in nutrition and their importance in health and disease	Licentiate Vol. and No. 11, February, 1958
		(i) Influence of cooking on the nutritional value of foods Vitamin A content of some cooked foods	Indian Journal of Medical Research, Vol. 46, May, 1958
5.	Dr. M. L. Pai and Dr. T. V. Patel	(a) Urinary excretion of Thiamine Riboflavin and Nicotinic acid after saturation test-dose in the normals (Part II)	Journal of Obstetrics and Gynaecology of India, Vol., VIII No. 2, December, 1957
		(b) Urinary excretion of Thiamine Riboflavin and Nicotinic acid after saturation test dose during normal pregnancy	Journal of Obstetrics and Gynaecology of India Vol. VIII, No. 3, March, 1958



S. No.	Name	Title	Name of the Journal, where published with month of publication
6.	Dr. K.G. Karandi-	Influence of anti-rheumatic drugs on the hypophyseal-adrenal axis	Journal of the M. S. University of Baroda, 6: 85, October, 1957
7.	Dr. A. K. Niyogi	A type of deep trench latrine	Indian Journal of Public Health, Vol. 1, No. 3, July, 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, 1957. The University contributed Rs. 510 towards the travelling expenses. (ii) The students participated in the University Week Celebrations in December, 1957. (iii) Annual sports of the College were held in January, 1958. (iv) Ninth Annual Social was held on the 11th February, 1958. The students organised a good variety entertainment. (v) This College participated in Inter-Medical, Inter-Faculty and Inter-University sports, debates, etc. during the year.

#### 10. Tutorials and Class Work

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

### (B) SHETH UJAMSHI PITAMBARDAS AYURVEDIC RESEARCH UNIT

#### 1. Buildings

The museum, library and the administrative office of the Unit are accommodated in two halls on the first floor of the Medical College building. Its Rasashala is housed in a separate building constructed by the University in the east of the Medical College. During the year under report a new building for the Out Patient Department of the Unit was completed at a cost of about Rs. 25,000/-.

#### 2. Staff

The staff of the Unit consisted of a Head (Honorary), a Senior Vaidya, a Research Medical Officer, a Junior Vaidya, an Assistant Research Vaidya, a Research Fellow, two Research Assistants, an Investigator, 3 Class III and 5 Class IV servants. The Professor and Head of the Department of Pharmacology in the Medical College, Baroda works as Honorary Head of this Unit.

#### 3. Functions of the Unit

The Unit is started with the object of conducting research in Ayurveda. For this purpose the Unit maintains a library, a museum of medicinal herbs, drugs, etc., a Rasashala and In Patient and Out Patient departments.

#### 4. Library

The total number of books in the Library during the year was 3,001 as against 2,087 in the previous year. 7 Ayurvedic journals were also subscribed during the year.

#### 5. Museum

The following six specimens of medicinal herbs were added during the year:

(1) आरग्वध-रक्तपुष्प; (2) आरग्वध-पीतपुष्प, (3) सप्तवर्ण, (4) कांचनार, (5) पुनर्नवा रक्तवृता and (6) पुनर्नवा श्वेतवृता

This brought the number of specimens preserved in jars to 76. Besides these the museum has 66 herbarium specimens and 624 specimens of dry crude drugs.



## 6. Rasashala

41 Ayurvedic medicines were prepared in the Rasashala during the year.

## 7. Literary work

Symposium on राजयक्ष्मा was held and a note containing a scientific discussion on ओज by Shri N. M. Pathak was published in Hindi in the December, 1957 number of सचित्र आयुर्वेद magazine of Calcutta. Shri N. M. Pathak, after fully considering and weighing the views expressed in six commentaries on the note, that have appeared in journals, is preparing as a reply an appropriate article, which will be published in Hindi in the सचित्र आयुर्वेद of Calcutta. He is also preparing a लक्षणसारणी on उदररोग, पाण्डुरोग and आमवात.

## 8. Laboratory Work

Pharmacological work was done on the following herbals in the department of Pharmacology:

### (1) Nilkanthi (*Ajuga Bracteosa*):

Interest in this plant arose through a communication from the late Acharya Jadavji Trikamji who recommended it as useful in liver diseases. In our plan of indigenous drug research, first a short clinical trial is recommended to be done and then if a useful lead is obtained, further pharmacological testing is done. In this case, however, in the absence of liver patients suitable for research, experimental liver damage was produced in rats using carbon tetrachloride and any possible protective action of Nilkanthi was looked for. The preliminary results were encouraging and therefore pharmacological screening was done as follows:

#### (a) Acute Toxicity in Mice (Trevan's Method)

Nilkanthi does not show any acute toxicity from oral dose upto 2,400 mg/kg 2 B.P. Respiration organ volume, intestinal motility in intact animals (dogs and cats). Nilkanthi shows a transient fall of blood pressure, increased intestinal motility and rise in spleen volume. Fall of B. P. persists after bilateral vagotomy. Respiratory effects are only secondary.

#### (b) Experiments on isolated tissues

(i) Isolated ileum of rat, rabbit and guinea pig—Nilkanthi causes stimulation in rat and guinea pig, slight fall of tone in rabbit ileum.

(ii) Frog's rectus abdominis—Nilkanthi shows stimulation, which is not potentiated by eserine and not antagonised by d-tubocurarine.

(iii) Rabbits isolated uterus—Nilkanthi stimulates the uterus.

(c) Protective action on liver damage produced by carbon tetrachloride. Effect of Nilkanthi was further studied using special fat stains (Fleming's method). The results are inconclusive and clinical trial on liver patients is indicated.

(d) The chemistry of the extracts of Nilkanthi is singularly barren except for a high potassium content (13%). A proportion of the pharmacological action can be traced back to the high potassium content of the plant.

### (2) Rametha (*Lasiacisiphon Erioccephalus*):

Indigenous to Konkan and such hilly areas, the ashed bark of this plant is used for painless extraction of teeth. Therefore it was thought that it might contain some local anaesthetic principle. Aqueous and alcoholic extracts of the bark as also the ash of the bark were studied for local anaesthetic activity. The substance seems to be more irritant than local anaesthetic. Inflammation and tissue necrosis follow subcutaneous injection of the substance in guinea pigs. Irritant action may be due to the high resin content of the plant.

### (3) Diuretic drugs (*Punarnava* and *Gokharu*):

This work is done in collaboration with the staff of the I.C.M.R. Inquiry on diuretics and antidiuretics.

#### (a) Clinical trials

On patients with oedema of diverse origin were made, with Punarnava. Clinically punarnava was found to possess diuretic activity.

#### (b) Animal Experiments

Diuretic activity of the above drugs was tested by both the method of Lipschitz and Little using rats. Both the drugs show diuretic action. Further work including the elucidation of the mechanism of this diuretic action is going on.

### (4) Loha Bhasma and Mahayogaraj Gugal and Maharasana:

#### (a) Loha Bhasma

The therapeutic utility of Loha Bhasma was tested on patients having microlytic anaemia. Patients were selected from the pediatric ward, the diagnosis confirmed by detailed laboratory investigations and Loha Bhasma was administered in the average dose of 33 grains per day.



Evaluation of response to treatment was done by weekly determination of Hemoglobine percentage and reticulocyte count.

The results on the whole are rather disappointing. Further work is necessary.

(b) Mahayogaraj Gugal and Maharasana

Research directed towards the elucidation of the mechanism of anti-rheumatic action of these drugs is being conducted jointly with the staff of the I.C.M.R. Inquiry on the adreucorticalmediation of these drug effects.

### 9. Prakruti Research

During the year under report, 9 persons from among the staff of the Unit were examined for Prakruti and labelled. From among the old students previously examined for Prakruti, 9 students were again examined for Prakruti and also labelled.

### 10. Out Patient Department

The opening ceremony of the department was performed by Shri M. S. Kannamwar, Minister for Public Health, Bombay State, Bombay on the 15th February, 1958. 592 patients took advantage of the department during the period from the 15th February to the 30th June, 1958.

### 11. In Patient Department

22 patients were admitted and treated in this department. The details of the clinical studies of these patients have been preserved in the Unit for research purposes. These 22 patients were diagnosed as shown below :

ज्वर-त्रिदोषज्वर	—5	कासश्वास	—2
हृदयरोग	—1	कृमिरोग	—1
राजयक्ष्मा	—1	ग्रहणी	—2
जीर्णआयतिसार	—3	अन्नद्रवशूल	—1
वातव्याधि	—3	आंत्रपुच्छशोध	—1
चर्मकुष्ठ	—2		
		Total :	22

### 12. Visitors

Shri M. S. Kannamwar, Minister for Public Health, State of Bombay, Kaviraj Pratapsinhji, Adviser in Ayurved to the Government of India, and Shri Ranjitrai of Surat visited the Unit on the 15th February, 1958 when they had been here on the eve of the opening ceremony of the Out Patient Department of the Unit.

## 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 merged these two institutions into the Faculty of Technology and Engineering.

Under its development programme the University instituted the following additional degrees and post-graduate courses with the strength as mentioned against each :

Course	Year	Number of admissions
1. Textile Engineering	June, 1953	15
2. Architecture	June, 1954	40
3. ( i ) Textile Technology	June, 1955	10
( ii ) Ph.D. Degree in Textile Chemistry	June, 1955	2
4. M.E. ( Civil, Mechanical and Electrical Engineering )	June, 1956	6

The Faculty discontinued, with effect from June, 1957 the conduct of diploma courses in Engineering and instead increased the admissions into the degree courses in Engineering. Under the same scheme the diploma courses in Civil, Mechanical and Electrical Engineering are now conducted with increased admissions in a separate Polytechnic established since the 23rd June, 1957 for the purpose, only the first year diploma classes in Engineering having been started at the Polytechnic during the year under report. The second and the third i.e. the final year of the diploma courses in Engineering will be shifted to the Polytechnic from 1958-59 and 1959-60 respectively.



## 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 and
- ( 4 ) The Workshop and Textile Technology and Textile Chemistry premises. These accommodate
  - ( 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 and
  - ( e ) TAIRO office

Also the construction for additional accommodation comprising four class rooms each of 750 sq. ft. to accommodate 60 students each and one drawing hall of 3,000 sq. ft. to accommodate 120 students provided under the Expansion Scheme of Degree Courses in Civil, Mechanical and Electrical Engineering from the grants made by the University Grants Commission is now completed. The construction for providing additional accommodation of 3,200 sq. ft. for the use of Workshop in order to make room for additional lathes, provided under the Expansion Scheme is on hand and it is expected to be ready for use very soon. The construction of the concrete road near the entrance to the Workshop at the Northern Gate near the TAIRO Office is completed and the construction of a tar road in continuation of the corner connecting the TAIRO Office and the smithy shop is on hand. The construction of the extension between the Weaving and Spinning sections of the Textile Engineering Department is nearing completion.

Also the construction of extension to the Boiler House and the Heat Engines Laboratory of the Faculty and arrangements for acquiring ad-

ditional space for extension of the Textile Chemistry section on the eastern side of the workshop premises are on hand.

## 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 ( 2nd and 3rd years only ), Textile Chemistry and Textile Technology

### ( 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 ( only IV year ). This is being gradually discontinued.

## 4. Number of students

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

### Post-graduate Courses

	Men	Women	Total
( i ) Ph.D. in Textile Chemistry	2	—	2
( ii ) Master's Degree	9	—	9
Total	11	—	11



Degree Courses	Men	Women	Total
F.E. ( New ) Civil	111	1	112
F.E. ( New ) Mechanical	60	—	60
F.E. ( New ) Electrical	56	1	57
F.E. ( Old ) Civil	125	—	125
F.E. ( Old ) Mechanical	64	—	64
F.E. ( Old ) Electrical	62	—	62
F. Text. ( Eng. ) Old	15	—	15
F. ( Tech. ) Old	7	—	7
F. ( Tech. ) New	9	—	9
F. Text. ( Eng. ) New	14	—	14
Total	523	2	525
S.E. ( Civil )	52	—	52
S. E. ( Mechanical )	43	—	43
S.E. ( Electrical )	19	—	19
S. Text. ( Eng. )	10	—	10
S. Text. ( Tech. )	5	—	5
Total	129	—	129
T. Text. ( Eng. )	11	—	11
T. Text. ( Tech. )	1	—	1
B.E. ( Civil )	41	—	41
B.E. ( Mechanical )	24	—	24
B.E. ( Electrical )	25	—	25
B. Text. ( Eng. )	8	—	8
Total	110	—	110
B.Arch. 1st Year	41	—	41
B.Arch. 2nd Year	31	1	32
B.Arch. 3rd Year	32	2	34
B.Arch. 4th Year	36	—	36
Total :	140	5	145
Grand Total :	902	5	907

## Diploma Courses

*Mechanical Engineering*

II Year	29	—	29
III Year	48	—	48
Total	77	—	77

*Electrical Engineering*

II Year	21	—	21
III Year	32	—	32
Total	53	—	53

*Civil Engineering*

II Year	54	—	54
III Year	66	—	66
Total	120	—	120

*Textile Chemistry*

I Year	29	—	29
II Year	23	—	23
III Year	59	—	59
Total	111	—	111

*Textile Technology*

Pre-Textile Technology	35	—	35
Textile Technology I Year	34	—	34
Textile Technology II Year	36	—	36
Textile Technology III Year ( D.T.T. )	34	—	34
Total	139	—	139
Grand Total	500	—	500

## Certificate Courses

*Turner and Fitter*

I Year	38	—	38
II Year	20	—	20
Total	58	—	58

## Wireman

16	—	16
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	Men	Women	Total
<i>Dyeing</i>			
I Year	5	—	5
II Year	5	—	5
Total	10	—	10
<i>Weaving</i>			
I Year	13	—	13
II Year	9	—	9
Total	22	—	22
Grand Total	106	—	106
Technical High School IV Year	61	—	61
Total	61	—	61
<i>Summary</i>			
Post-graduate Courses	11	—	11
Degree Courses	902	5	907
Diploma Courses	500	—	500
Certificate Courses	106	—	106
Technical High School Course	61	—	61
Grand Total	1,580	5	1,585

#### 5. Staff

During the year, the staff of the Faculty consisted of 9 Professors, 12 Readers, 14 senior Lecturers, 20 Junior Lecturers, 1 Assistant Lecturer, 1 Instructor, 2 Part-time Lecturers, 46 Demonstrators, 108 Class III and 80 Class IV Servants.

#### 6. Library and Reading Room

(1) Apart from the usual book grant, the Faculty received a grant of Rs. 15,000/- from the University Grants Commission. The Faculty also received Rs. 4,000/- and Rs. 1,000/- for books and periodicals respectively under the Expansion Scheme. Due to this, a good number of books and back numbers of periodicals 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 10-00 a.m. to 2-00 p.m. and 5-30 p.m. to 10-00 p.m. except on Sundays and holidays. Six fans and thirteen tube lights were fitted in the second room of the Library.

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 daily	150
2.	Average number of teachers making use of the Library and Reading Room daily	12
3.	Total number of books issued to students during the year	7,200
4.	Total number of books issued to teachers during the year	1,200

The following figures show the stock and the expenditure on the maintenance of the Library and the Reading Room during the year 1957-58:

S. No.	Particulars	Number	Cost in Rs.
1.	Books (including back number of Journals) as on 1-7-1957	15,708	1,75,558.00
2.	Books written off during the year	3	10.86
3.	Books transferred to Shrimati Hansa Mehta Library during the year	3,924	12,160.16
4.	Books added during the year	986	27,346.49
5.	Books as on 30-6-1958	12,767	1,90,733.47
6.	Journals subscribed during the year	77	3,188.23
7.	Amount spent on binding during the year		848.54
8.	Amount spent on fans and tube-lights during the year		3,300.00
9.	Total amount spent for Library and Reading Room during the year		34,683.26

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

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

S. No.	Item	Total cost of equipment as on 1-7-1957 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 30-6-1958 Rs.
	Laboratories, Workshops and Studios	30,34,856.79	—	1,49,282.00	31,84,138.79



## 8. Publications by the members of the staff

## (i) Articles or papers

Name	Title	Name of the Journal wherein published with month of publication
Shri C. H. Khadilkar, Professor of Civil Engineering	Small Scale Cement Manufacturing Project	"Indian and Eastern Engineer" Bombay, June, 1958

## (ii) Books

Name	Title	Name of the publisher with month of publication
Shri A. D. Pandya, Senior Lecturer in Mechanical Engineering in collaboration with Shri R. C. Patel, Senior Lecturer in Mechanical Engineering	Machine Design	Acharya Book Depot, Baroda, January, 1958

## 9. Literary, Cultural and Other Activities

(i) Literary Association and the Students' Chapter, Institutions of Engineers (India) arrange lectures, debates, talks, visits, etc. of general Engineering interest. Three such lectures and two visits to local industrial concerns were arranged during the year. The Faculty also arranged 43 seminars on different topics.

## 10. Co-curricular Activities

(i) Excursions: Students of B.E., S.E., B.Text. (Eng.), T.Text (Eng.), T.Text. (Tech.), S.Text. (Eng.), S.Text. (Tech.), B.Arch. degree classes and all final year diploma students were sent out on educational tours to various places.

(ii) Social, sports, etc.: Annual sports and social gathering of the Faculty were held in March, 1958. Students of the Faculty also took part in Inter-Faculty sports and field events during the University week and in the Inter-University sports.

(iii) The Faculty arranged seven film shows during the year, at which 28 films were exhibited.

(iv) The Faculty Dramatic and Music Association, the Photographic Association and the Co-operative Store continued their activities in the year.

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

## 12. Textile and Allied Industries Research Organisation

This Organisation was established in the year 1953 to work in collaboration with the Faculty of Technology and Engineering. Its main purpose is to carry out textile engineering research using the University staff and equipment, along with operational research in mills and industrial concerns. It has drawn up a research programme which covers a hand-cum-power spinning machine, cotton cleaning machine, an instrument to determine the life of pickers, an instrument for wear testing of cotton healds, ring travellers forming machine, silver making machine, attachments to carding engine, cellulose finishes, etc. During the year it conducted weaving training classes for operatives and trained 31 weavers and jobbers of weaving department deputed by three member-mills. It took up investigation work in 'Waste Reduction' and 'End Breakages' in some of the member-mills. It published a book on 'Ring Frame' in Gujarati and expects to publish the same in Hindi.

## 13. Other Important Events

Mr. D. J. Desmand, a Colombo Plan Consultant on Statistical Quality Control of Indian Statistical Institute, Bombay paid a visit to the Faculty in January, 1958.



## CHAPTER XIV—FACULTY OF FINE ARTS

### 1. Brief History

The Faculty of Fine Arts is one of the three new Faculties where 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 equipments 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 Store, (9) Bronze-casting Shed, (10) Process and Block-making Workshop, (11) Exhibition Hall, (12) Student 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, Sculpture and (c) Applied Arts
- (4) Degree courses in (a) Painting, (b) Sculpture and 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 1957-58 was as under:

Class	Men	Women	Total
<i>Certificate Classes</i>			
First Year	7	2	9
Second Year	—	2	2
<i>Diploma Classes</i>			
First Year	9	3	12
Second Year	7	—	7
Third Year	6	—	6
Fourth Year	—	—	—
<i>Degree Classes (B.A. Fine)</i>			
First Year	13	—	13
Second Year	22	1	23
Third Year	9	2	11
Fourth Year	7	—	7
<i>Post-diploma Classes</i>			
First Year	1	—	1
Second Year	1	—	1
<i>Post-graduate Classes</i>			
<i>Degree M.A. Fine</i>			
First Year	1	3	4
Second Year	—	—	—
<i>Diploma in Museology</i>			
First Year	2	1	3
Second Year	4	—	4
	—	—	—
Total:	89	14	103

### 5. Staff

During the year, the staff consisted of 3 Professors, 1 Reader, 2 Senior Lecturers, 8 Junior Lecturers, 3 Honorary Lecturers (including Head, Department of Museology), 2 Demonstrators, 1 Printer, 1 Taxidermist, 6 Class III and 13 Class IV servants,



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

S.No.	Name	No. of Lectures	Subject
1.	Shri Somalal Shah, Bhavnagar	3	Tempera Painting
2.	Shri Dhanraj Bhagat, Delhi	1	Wood-carving
3.	Shri P. N. Sharma, Bombay	1	Advertising Drawing
4.	Dr. S. T. Satyamurti, Madras	3	Visual Education, Service and Photography
5.	Dr. Motichandra, Bombay	2	(1) Registration, Numbering and (2) Cataloguing
6.	Professor D. P. Ghosh, Calcutta	2	(1) Collection... Nature, Scope and Field Work (2) Acquisition, Exchange and Private Collections
7.	Dr. B. Ch. Chhabra, Ooty	2	(1) Museum and their administrative control (2) Relation of Director to Public and Governing Body
8.	Dr. C. K. Gairola, New Delhi	2	(1) Some Centres of Greco-Roman Art Civilisation (2) Medieval Temples of Orissa and Khajuraho

Shri V. R. Amberkar of Bombay was invited as Visiting Professor to give lectures on 'History of Art' to 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 Visiting Lecturer in Bronze-casting.

#### 6. Library and Reading Room

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

S. No.	Particulars	Number
1.	Average number of students making use of the Library and the Reading Room	35

S.No.	Particulars	Number
2.	Average number of teachers making use of the Library and the Reading Room	15
3.	Total number of books issued to students during the year	400
4.	Total number of books issued to teachers during the year	600

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

S.No.	Particulars	No.	Cost in Rs.
1.	Books (including back number of Journals) as on 1-7-1957	2437	31,027.97
2.	Books written off during the year	—	—
3.	Books and Plates added during the year (246 books and 44 plates)	290	5,396.20
4.	Books and Plates as on 30-6-1958	2727	36,424.17
5.	Journals subscribed during the year	32	977.00
6.	Amount spent on binding during the year	—	500.00
7.	Total amount spent for the Library and the Reading Room during the year	—	6,873.20
7.	Museum, Laboratories, Studios, Workshops, etc.		

Sr. No.	Item	Cost of equipment as on 1-7-1957 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 30-6-1958 Rs.
1	Studios, Workshops, (Painting, Sculpture, Applied Arts, etc.)	71,548.87	—	12,544.24	84,093.11
2	Museology Department	2,506.39	—	417.78	2,924.17
	Total	74,055.26	—	12,962.02	87,017.23

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

(1) Dr. Motichandra, Director, Prince of Wales Museum, Bombay and a well-known Art Critic delivered two lectures on 'Western Indian Art' on the 4th and the 5th February, 1958.



(2) A popular lecture series by Dr. C. K. Gairola was arranged on 'Greco Roman Art Khajuraho' in Museology Department of this Faculty.

(3) Demonstrations were arranged for post-graduate students of Museology and for students of this Faculty in the Picture Gallery of Baroda Museum on "Cleaning, Conservation and Restoration of Oil Paintings" by Mr. F. Drown and Mr. R. Hulme, experts from London.

#### 9. Co-curricular Activities

Students of the Faculty went on annual study tours. The Faculty organised nine exhibitions and arranged two film shows.

#### 10. Other Important Events

##### (1) Distinguished Visitors :

Name	Date of Visit
1. M. André Padoux, Deputy Cultural Counsellor, Embassy of France	5-9-1957
2. Dr. C. W. Marshall, Asian Representative, National Film Board of Canada	19-9-1957
3. Shri Sri Prakash, Governor of Bombay	5-12-1957
4. Shri Devkola, Leader, Nepalese University Commission	5-3-1958
5. Major General Habibulla, Commandant, National Defence Academy, Khadakwasala, Poona	4-4-1958
6. Dr. K. L. Shrimali, Minister for Education, Government of India	5-4-1958

(2) The Government of India have deputed four cultural scholars in Sculpture Department under cultural scholarship scheme and one scholar from Norway in Painting Department under reciprocal scholarship scheme.

## 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 Faculty from the 3rd July, 1950 in one of its old buildings with 40 students on its roll. Soon after the construction of a new building 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 building provides adequate class-rooms, laboratories, workshop, conference and seminar rooms, library and reading room and administrative office. In addition, it has a cafeteria and an auditorium with sitting arrangement for 300 persons. Chetan Balwadi, a nursery school attached to the Faculty is accommodated on the west wing ground floor. The Maharani Shantadevi Home Management house is constructed in the compound of the Faculty at a cost of Rs. 64,000. In 1957, the new department of Clothing and Textiles, and class rooms for post-graduate students were constructed over the west wing at a cost of Rs. 54,500. This brings the total cost of all the buildings of the Faculty to Rs. 8,25,500.

### 3. Courses of Studies

The Faculty provides a four year course leading to the degree of B.Sc. (Home) and a further two year course leading to the degree of M.Sc. (Home). The revised syllabus was introduced during the year. In the new course of B.Sc. (Home) the first three years are devoted to a core course, which acquaints all the students with the different phases of Home Science. In the fourth year the students have to select one out of the following five fields of specialization: (a) Foods and Nutrition, (b) Child Development and Family Relationships, (c) Economics of Household and Home Management, (d) Home Science Education and Extension and (e) Clothing and Textiles.



## 4. Number of Students

The number of students enrolled in various classes at the commencement of the year 1957-58 was as follows :

Class	Number
B.Sc. ( Home ) First Year	80
B.Sc. ( Home ) Second Year	59+1 Non-collegiate
B.Sc. ( Home ) Third Year	33
B.Sc. ( Home ) Fourth Year	36
M.Sc. ( Home ) First Year	6
M.Sc. ( Home ) Second Year	2
Total :	216+1

## 5. Staff

The staff of the Faculty consisted of 2 Readers, 5 Senior Lecturers, 4 Junior Lecturers, 6 Demonstrators and Tutors, 5 Teachers, 1 Honorary Lecturer, 9 Class III and 15 Class IV servants.

The Faculty continued to receive the help of the staff of the other Faculties for teaching 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 and Dramatics	—	for Music and Dancing

## 6. Library and Reading Room

The Faculty has a well-equipped library and reading room. The Faculty also subscribes for a good number of professional journals and periodicals. The library remained open from 8-00 a.m. to 6-00 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 Reading Room daily	175

S.No.	Particulars	Number
2.	Average number of teachers making use of the Library and Reading Room daily	17

3. Total number of books issued to students during the year 3000  
4. Total number of books issued to teachers during the year 475  
The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1957-58 :

S.No.	Particulars	Number	Cost in Rs.
1.	Books ( including back numbers of journals ) as on 1-7-1957	3946	26,814.12
2.	Books written off during the year	Nil	Nil
3.	Books added during the year	967	10,633.40
4.	Books as on 30-6-1958	4913	37,447.52
5.	Journals subscribed during the year	41	965.74
6.	Amount spent on binding during the year	—	500.00
7.	Total amount spent for the Library and Reading Room during the year	—	12,099.14

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

The Faculty has started building up a museum. Some rare articles, toys and traditional textiles were acquired for display. However, even this small collection needs more display cases and display room. Lack of funds earmarked for the museum prevented further expansion of collections.

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

S. No.	Item	Cost of equipment as on 30-6-1957 Rs.	Cost of equipment, etc. written off during the year Rs.	Cost of equipment, etc. added during the year Rs.	Cost of alteration, etc. 50,000/- provision to come forward to November, 1957.
1.	Museum, Laboratories and Workshops	1,88,298.49	—	6,346.15	

8. Literary, Cultural and Other Activities  
( 1 ) The Foods and Nutrition of one year's duration and demonstrations for ladies of the town and Nutrition, Clothing, Mother peons for a week. It also runs a cafetagement, Health and Sanitation,



(2) The Child Development department organised seven meetings of the Parent Teacher Association.

(3) The Home Science Education department conducted the Adult Education Classes for women of the city twice a week and also arranged several classes and demonstrations for the Gram Sevikas at the Home Science Wing.

#### 9. Co-curricular Activities

The students of the departments of Foods and Nutrition and Home Management went on annual study tours.

The students and the staff members of the Faculty arranged socials, debates, essay competitions, filmshows, exhibitions, etc. Several students took part in various items of sports and participated in Inter-University Youth Festival held in Delhi.

#### 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 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.

#### Other Important Events

##### 6. Library

*Wished Visitors:*

The Faculty also had the following distinguished visitors:  
Sri Sri Prakash, Governor of Bombay  
K. L. Shrimali, Union Minister for Education, Government of India  
The following of the Nepal University Commission  
the P.E.N. Conference  
S. No. 1. Average number of  
and Reading Room  
Bharat Research Workers' Conference  
Asian Writers' Delegation  
the Ministry of Malaya  
adviser for the Far East Asia

#### 12. Chetan Balwadi

The department of Child Development conducts a Nursery School for children between the ages 2 and 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. The Reader in Child Development works as the Superintendent of this School. During the year a new section of Kindergarten class for 25 children was started in November, 1957 and a Honorary Lecturer in Child Development was appointed to organise the Kindergarten class between 1 p.m. and 4 p.m. The number of children in the School during the year was 60—28 boys and 32 girls representing different age, language, religion and socio economic group. The School serves as a laboratory for the department of Child Development. A new system of maintaining individual cumulative record forms of each child was started.

#### 13. Home Science Wing

The Government of India, Ministry of Agriculture is conducting an intensive programme of rural development in the country through the National Extension Service Blocks for raising the standards 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 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 then existing buildings were made at a cost of over Rs. 50,000/- for providing a training hall with class rooms, laboratory, administrative office and accommodation for the Instructresses and the trainees. The Wing started functioning from the 18th June, 1956. It had provision to take 20 trainees but in the first batch only six women came forward to join the training. In the second batch which started in November, 1957, the number of trainees was 18. The staff consisted of one Chief Instructress, two Assistant Instructresses, two Class III and two Class IV servants during the year. The course is of one year's duration and consists of subjects like Family, Foods 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 hostels. The staff and the trainees went to the villages—Sangma, Gawasad and Sejakuva for field work; for agricultural training the trainees were sent to the Men's Extension Training Centre and Agricultural School in the Model Farm. The trainees were also taken to visit various institutions and places of educational value. The Wing arranged two cultural programmes and also celebrated Farmers' Day. The Wing 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

The University Grants Commission had approved a new building estimated to cost of Rs. 3,50,000/- for the Faculty in the previous year. The Corner-stone of the new building was laid by the Vice-Chancellor, Shrimati Hansa Mehta, on the 23rd March, 1958. The construction work of the building was started during the year.

### 3. Courses of Studies

The Faculty offers a two year post-graduate course leading to 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.

#### (1) Field Work:

The chief emphasis continues to be on practical training and the application of academic knowledge to day-to-day life situations. Since 1956-57, junior students were given group supervision in 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, Remand Home, Baroda Central Prison, Government Blind School, Shri Chimanabai Industrial Home for Women, Shri Jamnabai Hospital, The Padmavati Sanatorium Anti-T. B. Clinic, Shri Sayaji General Hospital, The Mental Hygiene and Psychiatric Clinic, The Mental Hospital, The Government Model Farm, The Atladra Rural Work Centre, The Bil Rural Work Centre, The Alembic Chemical Works Co. Ltd., Shri Ambica Mills Ltd., The Baroda Spinning and Weaving Co. Ltd., The Jyoti Works Ltd., The Sarabhai Chemicals Co., Shri Dinesh Woolen Mills Ltd., Shri Sayaji Mills Ltd., The New India Industries Ltd., The Railway Staff College and The Government Labour Welfare Centre.

#### (2) Rural Work:

The Rural Work department of the Faculty of Social Work expanded its activities in Atladra and Bil villages during 1957-58. Three



groups for children were started in these villages this year. Four men and two women students were placed in these villages for 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 a Health Visitor, who is appointed full time by the Faculty. The Health Visitor 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 thrice a week. On an average, about 40 children per day 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 Faculty also helps the Bil village Panchayat to secure help for the completion of their water work scheme. The youth league in this village collected a sum of Rs. 300/- which they utilised in setting up children's play-ground.

### (3) *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.* one Clinical Psychologist, two trained Psychiatric Social Workers, a Clerk and a Part-time Doctor. The Mental Hygiene Consultant from the staff of the Faculty of Social Work continued to offer her services to the clinic on voluntary basis.

During the year *i.e.* July, 1957 to June, 1958, the Clinic offered increasingly more skillful services to 310 new patients as well as nearly 100 patients carried over from previous years.

Medical students continue to be sent for two week periods to study the Clinic. The Clinic personnel have a well organised programme of discussion for these students. The Clinical Psychologist completed his preliminary study on the use of psychological tests in the selection of applicants for social work training, and this will be published shortly.

This year the Jean Norman and Howard Trust Fund of Australia and the M. S. University of Baroda shared equally in the financial support of the Clinic. During the next year the University will have to share 75% of the financial responsibility, as per the agreement with the Trust Fund.

### (4) *Camp Road Community Welfare Centre :*

The Camp Road Community Welfare Centre continues to provide field work training to students in various techniques of social work and also functions as a Community Centre to provide services to children, women and men. The number of students placed in the Centre for field work varies from seven to eight.

The Centre conducts (i) recreational programmes for children of both sexes, recreational and social education programme for adult males and females, (ii) subsidiary diet programme for children under 14 years of age, (iii) periodical medical check up of members attending the centre with necessary follow up when recommended by the medical officer and (iv) participation in the programmes initiated by the local community. The average daily attendance at the Centre is about 100 members.

The training facilities in case work and community organization work were extended this year to 'school social work'. Under the auspices of the Fatehgarj Seva Samaj, a Children's exhibition and a variety entertainment programme were organized to celebrate World Children's Day and prizes were distributed by the community leaders to those children who participated in the programme. On the 27th March, 1958, a Baby Show was arranged when 70 babies were examined, out of which six babies were awarded prizes donated by *Indian Red Cross* and Samaj.

The Centre is directly operated by the Faculty and the Field Work Supervisor of the Centre continues to look after the organization and operation of the Centre of the Faculty as before.

### (5) *Study Tours :*

Two study tours—one to Madras for senior students and the other to Lucknow for junior students—were arranged during the year. The students visited various social welfare agencies and observed working of different social service programmes in those cities.



### 5. Number of Students

The number of students enrolled in the two classes at the commencement of the year 1957-58 was as under :

Class	Men	Women	Total
Junior Class	18	7	25
Senior Class	14	7	21
Total :	32	14	46

### 6. Staff

( a ) During the year, the staff of the Faculty consisted of 1 Consultant, 2 Readers, 1 Senior Lecturer, 3 Junior Lecturers, 7 Class III and 5 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, Samiala consisted of 1 Reader, 3 Junior Lecturers, 1 Art Instructor, 1 Agricultural Assistant, 6 Class III and 9 Class IV servants.

### 7. Library and Reading Room

The Faculty has well equipped library with over 3643 volumes on various fields of social work and allied subjects. The Faculty also subscribes for a large number of professional journals and periodicals.

The following are the figures showing average daily attendance and circulation of books during the year 1957-58 :

S.No.	Particulars	Number
1.	Average number of students making use of the Library and the Reading Room daily	48
2.	Average number of teachers making use of the Reading Room daily	10
3.	Total number of books issued to students during the year	7,680
4.	Total number of books issued to teachers during the year.	2,560

The following figures show the stock and the expenditure on the maintenance of Library and Reading Room during the year 1957-58 :

S.No.	Particulars	Number	Cost in Rs.
1.	Books (including back numbers of Journals) as on 1-7-1957	3405	21,081.61
2.	Books written off during the year	—	—
3.	Books added during the year	238	2,000.01

### S.No.

Particulars	Number	Cost in Rs.
4. Books as on 30-6-1958	3643	23,081.62
5. Journal subscribed during the year	47	807.20
6. Amount spent on binding during the year	—	200.00
7. Total amount spent for Library and Reading Room during the year	—	3,007.21

### 8. Publications by members of the staff

The following papers of the members of the staff were submitted for publication during 1957-58 :

S.No.	Name	Title	Where Published
1.	Kumari I. D. Malani	The Changes in Field Work Programme of Faculty of Social Work through past eight years	Social Service Review, June, 1958
2.	Miss O. Swoboda	Use of Failure in Learning Process	Social Service Review, June, 1958
3.	Shri P. M. Mathew	(i) Factory as a Field Work Agency (ii) The Worker and his Work	Social Service Review, June, 1958 Part of book by title "Urban Community and its Development" published by National Christian Council of India in May, 1958

### 9. Literary, Cultural and Other Activities

(1) Teachers of the Faculty took active interest in the development of the social work field at large and several of them participated in various conferences, seminars and worked as members of committees and bodies.

(2) Some members of the staff worked in different capacities on various bodies in and outside the University, attended seminars, conferences and participated in discussions, etc. during the year.

(3) The Faculty Students' Association has built up a loan fund which is being utilised for rendering assistance to the needy students of the Faculty.

### 10. Co-curricular Activities

The Students' Association of the Faculty arranges debates, lectures, annual sports, outings, etc. The students of the Faculty participated in



various debates, competitions, etc. The Rural Welfare Centre and the Camp Road Community Welfare Centre arranged 40 film shows on health, sanitation, etc., as part of their regular programme. The Faculty Planning Forum was constituted during the year.

#### 11. Tutorials and Class Work

The method of teaching adopted in the Faculty lays emphasis on class participation of students. 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 specialized training for three months after the regular training of five months for Social Education Organisers' work. 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 97 men and 138 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 villages in the development programme and sustain an active and continuous interest in them. The training also imparts a working social philosophy for community uplift through community action. Being part of the Faculty of Social Work, the overall training at the centre has a social work bias.

During the year under report the trainees did field work, village work, held village camps at Gantoli in Surat District and Jassawada in Panchmahal District. Study tours to Amaravati and Junagadh were also arranged.

Some of the members of the staff attended seminars and conferences at Gwalior, Nilokheri and Mount Abu.

The centre also started a Health Clinic with the assistance of Government Doctors of Padra Health Unit, financial help from the University and help in the form of medicines from the Faculty, during the year under report.

The centre was visited by the members of the Nepal University Commission, Central and State Government officers, members of the Bombay Legislative Assembly and other distinguished visitors.

#### 13. Other Important Events

(a) The Faculty completed an all India research on "Survey of Graduates of Schools of Social Work" on behalf of the University Grants Commission and submitted the report. The object of the study is to assess the extent to which their training was helpful in meeting work responsibilities.

(b) The Faculty has been awarded a grant from the University Grants Commission to conduct a research in "Problems of Working Mothers in Baroda City."

(c) The services of Miss Helen Pinkus were being made available by the TCM to the Faculty. She under-took to prepare case records for teaching and these are under print now.

(d) Shrimati Manorama Karandikar Shield was donated by Dr. G. Karandikar to the Faculty for awarding it to the outstanding student. This was ceremoniously awarded to the first Alumni of graduating batch of 1957.



#### 14. Distinguished Visitors

1. Mr. Weziskey, UN Technical Expert on Community Development Programme
2. M. André Padoux, Dy. Cultural Counsellor, Embassy of France
3. Napalese University Commission
4. Mrs. Nita Nilam, Regional Home Economics Officer for Asia and the Far East, F.A.O. of United Nations
5. Mr. Rolf Schoder, Executive Secretary U. N. Association, Bergen, Norway
6. Miss Cheiko Miyazaki, Representing Japan's Co-ordinating Committee on Work Camps
7. Dr. Helen Wright, Chief of Party, TCM, New Delhi
8. Dr. Kindlegberger, TCM Personnel attached to Madras School of Social Work
9. Mr. & Mrs. Ma G E. Fisch, Professor of Philosophy, University of Illinois, Ohio

#### 15. Alumni News

The Association continued to give information and counsel to Alumni regarding job situations and other problems. Employment among the Alumni is almost 100%.

### 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. Buildings

The Oriental Institute, having its own building now, shifted from the Government building called the Record Tower building to Shrimati Hansa Mehta Library building, ground floor, in the compound of the Faculty of Arts, from the 25th January, 1958.

#### 3. Staff

After the shifting of the Institute in the new premises the re-organization of the Ramayana Department was made and a separate section with the General Editor as its Head was formed from the 1st April, 1958. Professor G. H. Bhatt, M.A., was appointed as the General Editor and Head of the Ramayana Department, and Dr. B. J. Sandesara, M.A., Ph.D., Professor and Head of the Gujarati Department was appointed as the Director of the Oriental Institute from the 1st April, 1958.

During the year, the staff consisted of 1 Director, 1 Deputy Director, 1 Superintendent, 1 MSS Assistant, 1 Translation Assistant, 7 Class III and 4 Class IV servants, as also the temporary and permanent members of the Ramayana Department, which has 1 General Editor and Head of the Ramayana Department, 3 Superintendents, 1 Catalogue Assistant, 14 Ramayana Assistants, 10 Part-time Workers, 2 Class III and 2 Class IV servants.



#### 4. Work of the Institute

The main work of the Institute is research and publication carried on 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) Journal of the Oriental Institute (Quarterly)
- (4) M. S. University Oriental Series (Published in the Journal of the Oriental Institute)

The Institute arranges the sale of these publications as well as the publications of some Faculties and Institutions of the University.

- (5) Shri Sayajirao Gaekwad Honorarium Lecture Series
- (6) The Maharaja Sayajirao III Golden Jubilee Memorial Lecture Series
- (7) Shri Sayaji Sahityamala
- (8) Shri Sayaji Balajnanamala
- (9) Shri Sayaji Gramvikasamala
- (10) Matusri Jamnabai Smarak Granthamala
- (11) Shri Shishujnanmala

#### 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, six members of the Institute are recognised as post-graduate teachers in Sanskrit for M.A. and Ph.D. students.

The Director, the Deputy Director and the Head of the Ramayana Department guide Ph.D. students in Sanskrit, Gujarati and Ancient Indian Culture and also take M.A. classes in Sanskrit and Gujarati. 15 Ph.D. students and 34 M.A. students were guided by the post-graduate teachers of this Institute during the year.

#### 6. Library and Reading Room

The Library of the Institute has two sections:

- (1) The Manuscripts Section and (2) The Printed Books Section.

(1) *Manuscripts Section:*  
This Section has a collection of 14,264 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsa and other classical Indian Languages of which 9

were added during the year. Of these 7 were purchased and 2 were received as gift. During the year, 29 MSS were lent to outside institutions. 850 were issued to different scholars for work on the premises of the Institute and 2 were borrowed from outside institutions.

#### (2) Printed Books Section:

This Section has a collection of 19,741 books of the value of Rs. 1,88,176 approximately of which 472 books were purchased during the year, at the cost of Rs. 3,489.01 nP., and 350 books were received as gifts and on exchange basis. The Library also provides 135 journals for reference. On an average, 25 teachers and 28 students made use of the reading room every day.

This Section is now being supervised by the University Librarian, under whose guidance reclassification of all the books was done from January to June, 1958. The Library is now kept as Oriental Printed Section, by the University Librarian.

#### 7. Gaekwad's Oriental Series

Editing and publication of the Series is one of the main activities of this Institute. Uptil now 128 volumes have already been published under this Series. During the year the following two works were published:

- GOS No. 127 Introduction to व्यवहारकांड of the कृत्यकल्पतरु with index of Laxmidhara by Shri K. V. Rangaswami Aiyangar
- GOS No. 128 सङ्गीतचूडामणि: Edited by Shri D. K. Velankar Shastri (Published in G.O.S. for Sangeet Natak Akadami, New Delhi)

The remaining three works selected by the Sangeet Natak Akadami were under preparation.

The following four works were under print during the year:

- GOS No. 129 विष्णुधर्मोत्तर: Khanda III. Vol. I (Text) edited by Dr. (Kumari) Priyabala Shah
- GOS No. 130 मानसोद्धार: Vol. III edited by Shri G. K. Shrigondekar
- GOS No. 131 Vaisheshika Sutra with Vritti of Chandrananda edited by Muni Jambuvijayaji
- GOS No. 132 भरत नाट्यशास्त्र: Vol. IV edited by Shri M. Ramakrishna Kavi

#### M. S. University Research Series

The following two books were published:

1. The Soma—Hymns of the Rgveda (A fresh interpretation, Part I (RV. 9. 1-15) by Dr. S. S. Bhawe
2. Kevaladvaita in Gujarati Poetry by Dr. Y. J. Tripathi



The sale proceeds of books (inclusive of G. O. Series, M. S. University Research Series, M. S. University Oriental Series, Publications of the Department of Archaeology and the Department of Gujarati of the Faculty of Arts, etc.) was Rs. 13,250.00 during the year.

#### 8. Translation Branch

This branch of the Institute carries on the publication work of books under Series Nos. 5 to 11 mentioned in para 4 above.

The following work was done during the year :

##### ( 1 ) *Shri Sayaji Sahityamala*

The following books were published in this Series :

- ગુજરાત એક દર્શન : by Shri S. B. Rajgor, No. 322 of the Series  
 વડોદરા રાજ્યની સાહિત્ય પ્રવૃત્તિઓ : by Sarva Shri B. B. Mehta and R. S. Desai, No. 323 of the Series  
 વિજ્ઞાન વિનોદ : by Shri P. G. Shah, No. 324 of the Series  
 રેવાને તીરે તીરે : by Dr. M. R. Majmudar, No. 325 of the Series

##### ( 2 ) *Matusri Jamnabai Smarak Granthamala :*

ગૃહજીવનમાં સ્ત્રીનું સ્થાન : by Shrimati Sarojini Mehta, No. 3 of the series, was published during the year under report.

##### ( 3 ) *Shri Sayaji Gramvikasamala :*

વડે : by the Late Shri M. S. Pandya, was in the stage of publication.

##### ( 4 ) *Shri Sayajirao Gaekwad Honorarium Lectures*

Lectures on "Some Catalytic Gas Reactions of Industrial Importance" by Dr. J. C. Ghosh, Professor S. K. Bhattacharya and Shri M. V. S. Shastri were published.

Lectures on "ભારતીય તત્ત્વવિદ્યા" by Pandit Sukhalalji were in the stage of publications.

The sale proceeds of all the publications of the above-mentioned Series as also of Late Professor B. K. Thakore and books of 'Sangeet Mahavidyalaya Series' came to Rs. 3,814.48 nP. during the year.

#### 9. Ramayana Department

The department continued the work of the Critical and Illustrated Edition of the Valmiki Ramayana.

During the year under report the first Fascicule of Balakanda containing 10 sargas was published on the 25th January, 1958 and favourably received by eminent scholars of India, Europe and America. 11th sarga

was also printed during the period. The press copy of the sargas 12-15 was sent to the press while that of sargas 16 to 18 was completed.

The collation of the Balakanda was over and that of Ayodhyakanda is nearing completion. The collation of the Ayodhyakanda which is going on with 44th MSS has also made satisfactory progress. Five sets of the text of the vulgate are ready for 1-50 sargas of the fourth kanda, Kishkindha.

The critical apparatus of sargas 17 and 19-22 was completed and the press copy has been under preparation. The critical apparatus of sargas 23-30 was again taken up and the progress was very satisfactory.

The General Editor examined carefully the collation sheets and constituted the text for sargas 31-37 of the Balakanda which were sent to the Critical Apparatus Section.

The press copy of the Index of Quarter Verses of the Ramayana, Vol. I, was prepared and sent to the Director, Oriental Institute, for publication in the Gaekwad's Oriental Series.

#### 10. Journal of the Oriental Institute

The Institute publishes a Quarterly Journal. During the year, Vol. VI, No. 4 and Vol. VII, Nos. 1 to 4 were published. Many institutions and learned societies continued their exchange relations with the Journal.

The Journal is especially devoted to research studies in Indology and also includes papers on Ramayana and allied topics concerning epics and puranas.

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

##### ( 1 ) *Articles or Papers :*

Name	Title	Where published or read
Professor B. J. Sandesara, Director	( a ) એક વિદ્યાયાત્રા	બુદ્ધિપ્રકાશ, July, 1957 and June, 1958
	( b ) સાત સામુદાયની વાર્તા	નવચેતન, દિપોત્સવી અંક, સં. ૨૦૧૩
	( c ) પંચાલ્યાન—ગત બુક નાલિકેર કથા-સંપાદી	શ્રી યશોવિજય સ્મૃતિગ્રંથ,
	( d ) અંચલ ગચ્છિય—શ્રી જયશેખર જૈનયુગ, April, 1958	સુરિકૃત શ્રી મહાવીર વીનતી સંપાદી



Name	Title	Where published or read
Professor G. H. Bhatt, General Editor and Head of the Rama- yana Department Dr. U. P. Shah, Dy. Director	(e) सङ्खपराभव व्यायोग, a historical Sanskrit Play by हरिहर (13th Century A.D.)	Journal of the Oriental Institute, June, 1958
	Balakanda in Kshemendra's Ramayana- manjari	Journal of the Oriental In- stitute, Vol. VII, No. 3,
	(a) Geographical and Ethnic Data in the Kasyapa Samhita	Paper read before the 19th Session of the All India Oriental Conference, Delhi. Published in Journal of the Oriental Institute, June, 1958
	(b) कारवण विभागनुं पुरातत्व अने आख्यायिकाओ	Read before the 3rd Gujarat Research Workers' Confer- ence at Baroda
	(c) A rare, Sculpture of Siva from Samalaji	Read before Fine Arts Sec- tion of the All India Ori- ental Conference, Delhi, 1957
	(d) Parents of the Jinas	Read before Prakrits Sec- tions of the All India Oriental Conference, Delhi
	(e) A few Early Scu- lptures from Abu and Bhinmal	Bulletin of the Baroda Museum, published in December, 1957
	(f) Brahmasanti and Kaparddi Yaka- as	Journal of the M. S. Uni- versity of Baroda June, 1958
	(g) अकोटांनुं एक प्राचीन कला- मय धूपिदुं	जैनयुग, April, 1958
	(h) प्राचीन साहित्यमें मुद्रा	श्रीमद् राजेन्द्र सूरि स्मारकग्रंथ, 1957
	(i) A Brenre Incense Burner from Akota	Journal of the Indian Soc- iety of Oriental Art, Vol. XIX, published in 1957
	(j) Harinegamesin	Journal of the Indian Soc- iety of Orietal Art, Vol. XIX, published in 1957

## (2) Books :

Name	Title	Where published
Professor. B. J. Sandesara, Director	महामात्य वस्तुपालनुं साहित्य मंडळ अने संस्कृत साहित्यमां तेनो फाळो	Gujarat Vidya Sabha, Ahmedabad
Professor G. H. Bhatt, General Editor and Head of the Ramayana Department	Religions of the World (Visvana Dharmo, Gujarati) Second Re- vised Edition	Good Companions, Baroda

## 12. Distinguished Visitors

The following were some of the distinguished visitors to the Institute :

Name	Date of Visit
1. M. André Padoux, Dy. Cultural Counsellor, Embassy of France, New Delhi	5-9-1957
2. His Holiness Shrimad Jagadguru Shri Shankaracharya Shri Abhinava Saccidanandatirtha Swamiji Maharaj of Saradapitha of Dwaraka	13-9-1957
3. Shri Sri Prakash, Governor of Bombay	4-12-1957
4. Dr. A. L. Mc Neal, University of Miami, Coral Gables —Florida (U. S. A.)	7-12-1957
5. Mr. David Pingree, AB from Harvard University, (U. S. A.)	18-12-1957
6. Professor and Mrs. Woldschnidt, University of Goettingen, Germany	23-12-1957
7. Mr. and Mrs. Max Harovd Fisch, Professor of Philo- sophy, Urbana Illinois, (U. S. A.)	24-2-1958
8. The Nepalese University Commission	6-3-1958
9. Dr. K. L. Shrimali, Minister for Education, Govern- ment of India, Delhi	5-4-1958

## 13. Department of Chronology of Gujarati

## Compilation Work :

A scheme of compilation of the Chronology of Gujarat from the earliest period to 1947 A. D. in four volumes in English and Gujarati (Devnagari Script) has been undertaken by the University. The manuscript for Volume I which covers the period of more than a thousand years i.e. from the Pre-History of Gujarat to 942 A.D., the end of Chavda rule, has undergone thorough revision and scrutiny by an expert Committee and has been sent to the Press. The preparation of Volume II : The Age of the Solankis and Vaghelas covering the period from 942 A.D. to 1297 A.D. has been started by the scholars.



## 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 the College of Indian Music. It was taken over by the University in 1949. At that time it offered a diploma course in vocal and instrumental music. The University introduced a four year 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.

### 2. Building

The present building at Sursagar was occupied by the College in June, 1952. The gymnasium of the College was converted into an Open Air Theatre in 1956-57.

### 3. Courses of Studies

The College offers the following courses :

- (1) Two year post-graduate course leading to the degree of Master of Music (M.Mus.) in Music, Dance and Dramatics
- (2) Four year 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) Five year course in Vocal Music, Sitar, Dilruba, Violin and Tabla leading to the diploma in Music (Dip. Mus.)
- (4) Three year courses leading to the diploma in Dancing (Dip. Dance) and diploma in Dramatics (Dip. Dramatics)
- (5) Three year 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 1957-58 was as under :

169

### Diploma Classes

Class	Men	Women	Total
First Year	87	49	136
Second Year	71	58	129
Third Year	25	41	66
Fourth Year	31	20	51
Fifth Year	26	11	37
Total	240	179	419

### Degree Classes

	Men	Women	Total
First Year	5	2	7
Second Year	5	2	7
Third Year	3	3	6
Fourth Year (B.Mus.)	2	4	6
Fifth Year (Jr. M.Mus.)	3	1	4
Sixth Year (Sr. M.Mus.)	2	1	3
Non-collegiate	—	3	3
Total	20	16	36

### 5. Staff

During the year, the staff consisted of a Principal in the grade of Professor, 1 Honorary Visiting Professor, 2 Honorary Visiting Lecturers, 2 Readers, 2 Senior Lecturers, 4 Junior Lecturers, 4 Tutors, 19 Ustads (Teachers in Music and Dance including part-time teachers, etc.), 8 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.	Dr. D. G. Vyas	22-7-1957	Life and Work of Late Shri Amrut Keshav Naik—Well-known Actor of Gujarati, Hindustani Theatre
2.	Shri Chintamanrao Kolhatkar	25-7-1957	Drama and Acting
3.	Shri K. C. Bhatwadekar	28-7-1957	That the Drama is adorned and worshipped by men of all walks and tastes of life
4.	Shrimati Rekha Shroff	12-9-1957 13-9-1957 14-9-1957	World Actors and their views on the Art of Dramatics



S. No.	Name of the Lecturer	Date	Subject
5.	Shri Radha Kishan	9-10-1957 10-10-1957	Practical Demonstration of Kathak Dance and its various forms
6.	Shri A. Kanan	15-11-1957	Recital of Vocal Music
7.	Shri Jivanlal Mutoo	9-12-1957 10-12-1957 11-12-1957	(i) National Music of India (ii) Presentation of Classical Music (iii) Traditional and Modern Methods of "Talam" of Music
8.	Shri Nagardas Arjundas	11-1-1958	Dilruba Demonstration
9.	Shri Ninu Majmudar	16-1-1958	Composition in Applied Music
10.	Professor S. P. Mehta	19-1-1958	(i) Thumari, Thumari Singers and subjects for Thumari (ii) Recording of Classical Old Compositions
11.	Shri Baburao Kumthekar	20-1-1958 28-1-1958	Sarangi Demonstration
12.	Shri R. P. Baxi	29-1-1958 30-1-1958	Rasa
13.	Shri K. K. Shastri	7-2-1958 8-2-1958	Bhan—Sanskrit Natakno Prakar
14.	Shri Madhukar Pednekar	11-2-1958	Clay Violin
15.	Ustad Amir Hussain Khan	23-2-1958	Tabla Demonstration
16.	Shri N. J. Pathak	26-2-1958 27-2-1958 28-2-1958	Drama and its forms

#### 6. Library and Reading Room

The working hours of the Library of the College are from 9-0 a.m. to 12-00 noon in the morning and 3-00 p.m. to 6-00 p.m. in the evening on week days and 9-00 a.m. to 1-00 p.m. on Saturdays. The Reading Room is kept open from 8-00 a.m. to 1-00 p.m. in the morning and 3-00 p.m. to 6-00 p.m. in the evening on week days and 8-00 a.m. to 1-00 p.m. on Saturdays. 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 15
2. Average number of teachers making use of the Library and Reading Room daily 10
3. Total number of books issued to students during the year 370
4. Total number of books issued to teachers during the year 400

The following figures show the stock and the expenditure on the maintenance of the Library and Reading Room during the year 1957-58 :

Particulars	Number	Cost in Rupees
1. Books (including back numbers of journals) as on 1-7-1957	2,760	17,108.59
2. Books written off during the year	nil	nil
3. Books added during the year	280	3,393.55
4. Books as on 30-6-1958	3,040	20,502.14
5. Journals subscribed during the year	46	562.16
6. Amount spent on binding	—	100.00
7. Total amount spent for Library and Reading Room	—	4,055.71

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

The College has a small museum of ancient instruments of various types. The drama properties room contains a collection of costumes and many miscellaneous properties including make-up materials, etc. 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 Laboratory :

S. No.	Item	Cost of equipment as on 1-7-1957	Cost of equipment, etc. written off during the year	Cost of equipment, etc. added during the year	Cost of equipment as on 30-6-1958
		Rs.	Rs.	Rs.	Rs.
1.	Physics Laboratory	2,042.65	—	905.30	2,947.95



## 8. Publications by the members of the staff

## (i) Articles or Papers:

Name	Title	Name of the journal wherein published with month of publication
(1) Professor C. C. Mehta	(a) Paper on "Play Writing" read at All India Radio Seminar, Bombay	Published by the author in November, 1957
	(b) Poems at the National Poets' Symposium at New Delhi	Published by the author in January, 1958
(2) Shri J. D. Thakar	Paper read at the Gujarati Natya Samelan on 'Throne' Drama	Published in Gujarati Natya as a paper in November, 1957

## (ii) Books:

Name	Title	Name of the publisher
(1) Professor C. C. Mehta	Sonavatakadi	Gandiv Karyalaya, Surat
(2) Shri J. D. Thakar	Nava Nato Mate Suchana	Gurjar Grantha Ratna Karyalaya, Ahmedabad

## 9. Literary, Cultural and Other Activities

- (1) The programmes of Music, Dance and Dramatics were arranged by the students and the staff members of the College fortnightly on Saturdays during the whole year.
- (2) The Natghar of the College puts up regular shows on Saturdays and Sundays and additional contract shows and special shows at the time of University functions. It undertook two tours, one to Bombay and the other to Miyagam during the year.
- (3) The College celebrated as usual the Jayanties of several past musicians of renown.

## 10. Co-curricular Activities

- (1) The students and staff of the College went to Delhi by invitation from the Drama Division and staged "Hoholika" on the 27th August, 1957.
- (2) The students of the College went on study tour to Bombay for Drama Festival during December, 1957.

## 11. 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.

## 12. Other Important Events

(1) Shri O. Tuckley, Representative of the British Council in India visited the College on the 22nd August, 1957.

(2) M. Andrie Padoux, Deputy Cultural Counsellor, Ambassadeur De France AUX India visited the College on the 6th September, 1957.

(3) The famous Bengali songstress Shrimati Jyuthika Ray and her party visited the College on the 5th November, 1957.

(4) Shri Sri Prakasha, Governor of Bombay visited the College on the 4th December, 1957.

(5) The students of Wayne State University, U. S. A. visited the College on the 13th February, 1958.

(6) Members of Nepalese University Commission visited the College on the 6th March, 1958.

(7) Dr. K. L. Shrimali, Minister for Education, Government of India visited the College on the 5th April, 1958.

(8) The Drama Troupe known as "English Comedians" led by Mr. Marius Goring visited Baroda and his performance was organised by the Natghar on behalf of the University. He visited the College several times during his brief stay in Baroda.



## 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 Radhavallabha which belongs to the Devasthan Department, on a monthly rent of Rs. 100/-. It has a hostel in a hired building with accommodation for 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 the 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) Rigveda Yajniki and (iii) Purana with Grammar and Literature compulsory for all branches.

(4) A research course of two years' duration for the higher post-graduate research degree of 'Vachaspati' has been instituted in this

institution, for those who have passed the Acharya examination of this University or its equivalent, during the year under report.

### 4. Number of students

The number of students enrolled in various classes at the commencement of the year 1957-58 was as under :

ment of the year 1957-58 was as under :			Men	Women	Total
Uttama Kaksha ( Special Pandit Course )					
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	1	—	1
	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
Madhyama Kaksha ( Visharad Diploma Course )					
Vyakarana Shastra	V Year		3	—	3
	IV Year		1	—	1
	III Year		3	—	3
	II Year		3	—	3
	I Year		4	—	4
Jyotish Shastra	V Year		—	—	—
	IV Year		—	—	—
	III Year		3	—	3
	II Year		2	—	2
	I Year		4	—	4
Prathama Kaksha ( Certificate Courses )					
III Year		9	—	9	
II Year		15	—	15	
I Year		25	—	25	
Grand Total :			83	—	83



### 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 1-7-1957	2,999	8,982.95
2.	Books written off during the year	—	—
3.	Books added during the year	132	601.52
4.	Books as on 30-6-1958	3,131	9,584.47
5.	Journals subscribed during the year	10	72.51
6.	Amount spent on binding during the year	—	—
7.	Total amount spent for the library and the reading room during the year	—	674.03

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

Shri D. K. Velankar, Madhyama Kaksha Vyakarana Adhyapaka, edited 'Sangit Chudamani' by Kavi Chakravarti Jagadek Malla, a work on music entrusted to him by the Oriental Institute, Baroda, which published the work under the scheme of editing and publishing some of the ancient works on music for Sangeet Natak Akademi, New Delhi.

### 8. Literary, Cultural and Other Activities

(1) Lectures : Some teachers of the Institution gave thirteen popular lectures under the auspices of Sharadopasaka Mandal.

(2) Celebrations : The Institution celebrated the Vyas Jayanti, Kalidas Jayanti and the Valmiki Jayanti on the 11th July, 3rd October, 1957 and the 4th April, 1958 respectively.

(3) Debates : Two Parliamentary debates, one in Sanskrit and the other in Gujarati were arranged in the month of October, 1957 under the auspices of the Sharadopasaka Mandal.

### 9. Co-curricular Activities

(1) The Institution arranges debates and lectures in Sanskrit by students as well as by Adhyapakas by turn on every Friday with a view to give them training in the art of elocution in Sanskrit.

(2) The Institution celebrated Sharadotsava from the 30th September to the 3rd October, 1957.

(3) The Institution arranged one educational tour to Ajanta, Ellora and Elephanta Caves and one excursion to Kakrapara during the year.

### 10. Other Important Events

(1) H. H. Shri Jagatguru Shankaracharya Abhinava Sachidanandji Maharaj visited the Vidyalaya in the Sharadotsava. He gave a literary discourse in which he declared that the gold medal would be offered by him to the student offering the best thesis in Adwait Vedanta for the higher Post-graduate Research Degree of Vachaspati.

(2) A Kavi Sammelan was organised during the Sharadotsava under the auspices of the Sharadopasaka Mandal on the 2nd October, 1957.

(3) A donation of Rs. 500/- was received from Sheth Hansraj Pragji Thakershi Educational Trust, Bombay for the purpose of giving monetary help to the students of the Institution.



## CHAPTER XX—INTERMEDIATE COLLEGE

### 1. Brief History

The College was started by the University from June, 1950. Upto the academic year 1954-55 the College had First Year and Intermediate Arts and Commerce classes. From June, 1955 the First Year classes in Arts and Commerce were replaced by new Preparatory (Pre-University) courses in Arts and Commerce. From June, 1957 due to the introduction of the three year degree courses in the Faculties of Arts, Science and Commerce, the Intermediate classes in Arts and Commerce were discontinued and Preparatory Science class was brought on to this College.

### 2. Building

The College has no building of its own. Its classes are held in the rooms of the Faculties of Arts, Science and Commerce by suitable adjustments in the time tables of these four institutions.

### 3. Courses of Studies

The College provides Preparatory courses of one year's duration each in Arts, Science and Commerce.

### 4. Number of Students

The number of students enrolled in different classes at the commencement of the year 1957-58 was as under :

Class	Men	Women	Total
Preparatory course in Arts	223	133	356
Preparatory course in Commerce	314	1	315
Preparatory course in Science	433	46	479
	970	180	1,150

### 5. Staff

The staff of the College consisted of a Principal, 2 Readers, 14 Junior Lecturers, 9 Tutors, 8 Demonstrators, 7 Class III and 11 Class IV servants. Besides, some members of the teaching staff from the Faculties of (i) Arts, (ii) Science and (iii) Commerce were also teaching the students of this College in their respective subjects.

### 6. Library and Reading Room

According to the University scheme of amalgamation of the libraries of institutions situated in the campus of Shrimati Hansa Mehta Library,

the library of this College was also amalgamated with the same. The separate reading room was continued throughout the year and was maintained out of the College Association Funds. A very large number of students were making use of this reading room as well as the reading room in Shrimati Hansa Mehta Library.

### 7. Co-curricular Activities

#### ( i ) A. C. C., N. C. C., Sports :

A. C. C. training is compulsory for all the students of the College who do not join the N. C. C. or some major games. A large number of men and women students have joined the N. C. C. Students take keen interest in major games also. The College Association organised Badminton, Table Tennis and Carrom tournaments. The College took part in Inter-Faculty tournaments and won championship in Cricket.

#### ( ii ) Debates :

The College Debating Society organised two debates during the year out of which one was extempore.

#### ( iii ) Societies :

Gujarati Sahitya Sangh, Marathi Vangmaya Society, Commerce Society, Geography Association and Students' Association carried on their usual activities.

### 8. Tutorials and Class Work

The tutorial system worked very satisfactorily during the year. The newly admitted students were explained the importance of the tutorial system. The portion of studies to be covered by a tutorial topic 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 tutorial records were shown to the students.



## CHAPTER XXI—POLYTECHNIC

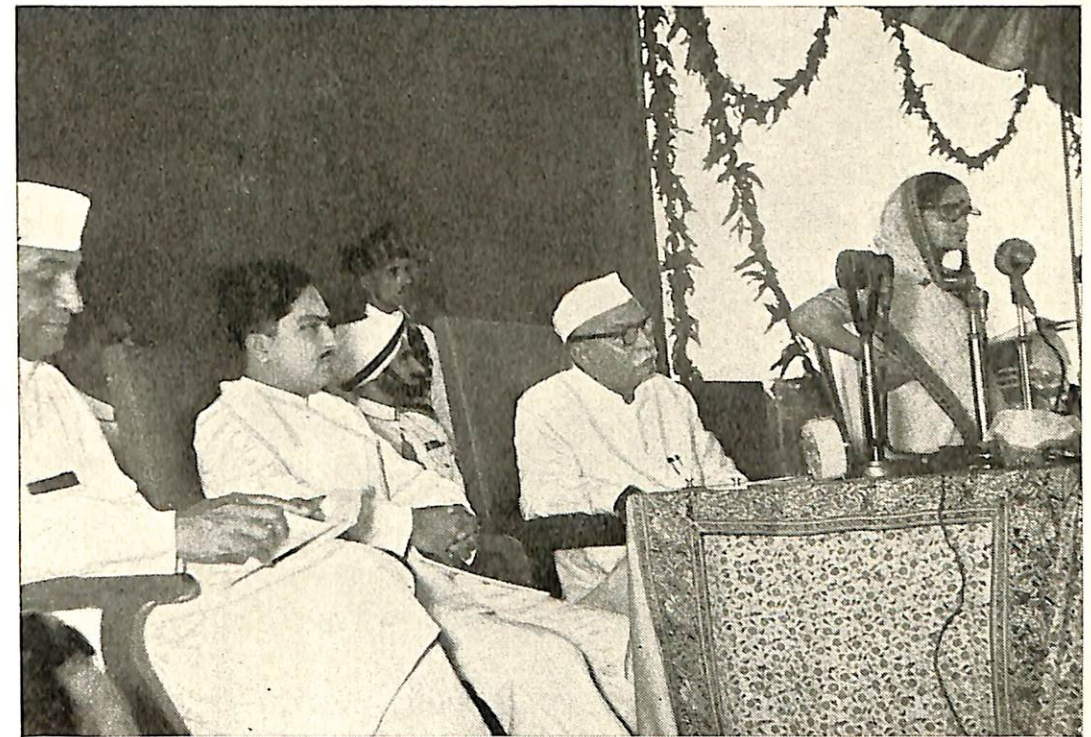
### 1. Brief History

For meeting the additional demand for Engineering graduates and diploma holders during the Second Five Year Plan period, the Engineering Personnel Committee appointed by the Planning Commission recommended separation of the degree and diploma courses in Engineering at the Faculty of Technology and Engineering, Baroda and creation of a new Polytechnic for conducting the diploma courses to provide for the increase of admissions both to the degree and diploma courses in Engineering. Accordingly a new institution called the Polytechnic was started to conduct diploma courses in Civil, Mechanical and Electrical Engineering. It was inaugurated by Shrimati Hansa Mehta, the Vice-Chancellor of the University on the 24th June, 1957. The Polytechnic will admit every year 300 new students to these three diploma courses against the previous intake of 180 students. On recommendation of the Western Regional Committee of the All India Council of Technical Education and in consultation with the University Grants Commission, the Central Government approved the following expenditure for the Polytechnic :

	<i>Non-recurring cost in Rs.</i>	<i>Recurring ultimate cost in Rs.</i>
( i ) Building with an area of 90,065 sq. ft.	13,40,000	
( ii ) Equipment	10,62,000	
( iii ) Books	20,000	
( iv ) Staff, contingencies etc.	...	5,22,000/-
Total non-recurring	24,22,000	Total recurring 5,22,000/-

The Government of India also approved a loan of Rs. 11,20,000/- for construction of hostels for the students of the Polytechnic.

The University Grants Commission is to bear the entire non-recurring expenditure. It will also bear the full recurring expenditure during the first year, 80 percent in the second year and 50 percent during the third and fourth years. The balance is to be borne by the Government of Bombay.



The Vice-Chancellor requests Dr. Rajendra Prasad to lay the corner stone of the Polytechnic building



## 2. Buildings

The corner stone laying ceremony of the new buildings of the Polytechnic on the site opposite to the University office was performed by Dr. Rajendra Prasad, the President of the Indian Republic on the 30th September, 1957. The construction was taken in hand and is progressing well. It is expected to be ready for occupation in June, 1959. Meanwhile, temporary arrangements were made for two class rooms, one drawing hall, a carpentry shop, a fitting shop, an office and several staff rooms for the Polytechnic in the Bungalow No. 11 of the University situated on the Rajmahal Road. The General Science Laboratories, the Applied Mechanics Laboratory and the Smithy Section of the Workshop for requirements of the Polytechnic were provided in the premises of the Faculty of Technology and Engineering.

## 3. Courses of Studies

The Polytechnic offers courses leading to diploma in Civil, Mechanical and Electrical Engineering. Only the first year of diploma classes in Civil, Mechanical and Electrical Engineering was started during the year under report, with an approved strength of 300 students. The second year has been started from June, 1958 and the third *i.e.* the final year will be started from June, 1959.

## 4. Number of Students

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

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
I Year class of Civil Engineering	190	—	190
I Year class of Mechanical Engineering	60	—	60
I Year class of Electrical Engineering	69	—	69
<b>Total</b>	<b>319</b>	<b>—</b>	<b>319</b>

## 5. Staff

During the year, the staff of the Polytechnic consisted of 1 Principal (on an allowance of Rs. 100/- p.m.), 2 Professors, 8 Senior Lecturers, 11 Demonstrators, 18 Class III and 32 Class IV servants.

## 6. Library

Besides the recurring grant of Rs. 5,000/- sanctioned for the year under report, a non-recurring grant of Rs. 20,000/- has also been sanctioned to equip the Institute Library.



During the year, 1,252 books worth Rs. 18,798.28 nP. were acquired for the new Library. As the Library was under the formative stage, no books were issued to the students and staff who continued to take advantage of the library of the Faculty of Technology and Engineering.

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

The following table gives the cost of equipment in the different laboratories and workshops of the Polytechnic :

S.No.	Laboratory or Shop	Amount sanctioned by the University Grants Commission	Total amount spent upto 30-6-1958
I	2	3 Rs.	4 Rs.
1.	Physics and Chemistry Laboratories	54,000/-	13,425.00
2.	Applied Mechanics Laboratory	18,000/-	6,116.56
3.	Strength of Material Laboratory	60,000/-	—
4.	Civil Engineering and Soil Mechanics Laboratory	11,800/-	1,635.85
5.	Surveying Instruments	86,800/-	46,778.69
6.	Heat Engines Laboratory	1,42,000/-	10,855.01
7.	Hydraulics Laboratory	70,000/-	3,434.56
8.	Electrical Laboratory	2,11,000/-	16,567.53
9.	Electronics Laboratory	23,500/-	—
10.	Workshops :		
	(a) Carpentry Shop	33,000/-	22,185.33
	(b) Fitting Shop	38,600/-	11,943.66
	(c) Smithy Shop	22,000/-	9,546.60
	(d) Machine Shop	1,38,700/-	58,918.59
	(e) Foundry & Moulding Shop	15,000/-	9,948.03
	(f) Welding Shop	10,000/-	4,062.60
	(g) Tin Smithy Shop	5,000/-	4,371.33
	(h) Masonary and Plumbing Shop	5,000/-	974.79
	(i) Drawing Materials	4,000/-	—
11.	Models and Materials for models	7,000/-	1,760.05
12.	Audio Visual Equipment	6,000/-	—
13.	Furniture	1,00,000/-	15,904.10
14.	Books	20,000/-	13,789.73
	<b>Total</b>	<b>10,81,400/-</b>	<b>2,52,227.92</b>

Orders to the tune of Rs. 3,32,000/- for further equipment, etc. have also been placed. Arrangements for ordering the balance of equipment, etc. are on hand.

#### 8. Literary, Cultural and Co-curricular Activities

As only the first year of the diploma courses was started at the Polytechnic and the second and the final years of the diploma classes were still conducted at the Faculty of Technology and Engineering during the year under report and as the staff of the Polytechnic was working jointly with that of the Faculty, all extra curricular activities of the Polytechnic viz. extra-mural activities, sports, debates, lectures by distinguished visitors, etc. were in common and as arranged by the Faculty of Technology and Engineering.

#### 9. 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 class work and periodical tests of the students are maintained. In deciding the annual results of the examinations conducted by the University, the marks obtained by the candidates in their terminal examinations, tutorials, class work and tests are taken into account.



## CHAPTER XXII—SHRIMATI HANSA MEHTA LIBRARY

### 1. Acquisition Notes

#### (1) Books:

The Library received a grant of \$10,000.00 from India Wheat Loan Educational Exchange Programme during the year. They have given \$4,000.00 for books on Humanities and \$6,000.00 for books on Science and Technology. The orders for these books were placed and the shipments have begun to come.

The Library received a grant of Rs. 20,000 from the University as usual and it has been fully utilized mostly in current publications and curricular requirements.

The Library also received a grant of Rs. 30,000 for books and back volumes of periodicals in Humanities and Rs. 50,000 for books and back volumes of periodicals in Science and Technology, from the University Grants Commission. Both these grants also have been fully utilized.

There have been some noteworthy acquisitions during the year, viz. India Code, 5 vols; Supreme Court Reports, 5 vols; Hough's Encyclopaedia of American Woods; History of Western Civilization, 9 vols; Social Science Bibliography, India by Unesco, 4 vols; British Union Catalogue of Periodicals, 4 vols; Year Books of Human Rights 1949-53; Panch Tantra, vol. 11-15; World of Mathematics, vol 1-4; Quaternary Era, 2 vols; Methods of Biochemical Analysis, 4 vols; National Atlas of India; Catalogue of the Indian Collections in the Museum of Fine Arts, Chicago, 6 parts; Advances in Biological and Medical Physics, 3 vols; Beilsteins handbuch der organischen chemie, 2nd series, vol. 28-29; History of mediaeval political theory in the West, 5 vols; Agricultural legislation in India, 5 vols; The works and correspondence of David Ricardo, 10 vols; and Motif Index of folk literature, 6 vols.

The University Library is lacking in many back files of scholarly periodicals. To fill this gap, back files of some important periodicals have been acquired, viz. Biochemical Journal, vol. 56-61; Journal of Near Eastern Studies, vol. 2-15; Antiquity, vol. 23-28; Bacteriological Reviews, vol. 2-20; Journal of Nutrition, vol. 1-36; Proceedings of the Zoological Society, vol. 126-129; Proceedings of the American Mathematical Society,

vol. 1-8; Journal of Histo-chemistry and Cytochemistry, vol. 1-8; Journal of Mathematics, vol. 1-7; Quarterly Journal of Mathematics, vol. 1-20; Series II, vol. 1-8; and Mathematical Reviews, vol. 1-20

The numbers of acquisitions in books for various institutions are as follows:

Shrimati Hansa Mehta Library ( which includes purchases for the Faculties of Arts, Science, Education & Psychology and Commerce and Intermediate College )	9635
Faculty of Technology & Engineering	986
Faculty of Fine Arts	246 +
	Paintings
	954
Faculty of Home Science	371
Faculty of Social Work	1365
Polytechnic Institute	280
College of Indian Music, Dance and Dramatics	67
Sanskrit Mahavidyalaya	

Total: 13914

Out of this acquisition of books, 8152 books were acquired from the University grant for the libraries of all the institutions of the University; 212 books from the India Wheat Loan grant and 4332 books from the grants received from University Grants Commission; 228 books were received as a gift from Asia Foundation, New York and 1163 books were received as a gift from the Vice-Chancellor Shrimati Hansa Mehta and Dr. Jivraj N. Mehta, Minister for Finance, Government of Bombay.

The following statement gives the details of the types of acquisitions of Shrimati Hansa Mehta Library during the year:

	Books	Bound periodicals	Pamphlets	Manuscripts	Maps, charts, theses, etc.	Total value in Rupees
Number at the beginning of the year	51,744	1,767	2,506	3	277	7,13,233.87
Number added during the year	9,635 (New) 61,500 (From Faculties)	854 (New) 10,271 (From Faculties)	1,550	2	147	2,14,549.28 7,85,193.79
Number withdrawn from Records	16	—	—	—	—	116.25
Total number at the end of the year	1,22,863	12,892	4,056	5	424	17,12,860.69



dicals :

The total number of periodicals and scholarly journals subscribed now stands at 732. According to the policy of getting the scholarly periodicals bound, 854 such volumes of bound periodicals were added to the stock during the year. The compilation of a catalogue of the holding of the bound periodicals is now completed, and has become an important tool in research and reference.

## 2. Cataloguing and Classification Work

There was an arrear of 10,273 books to be classified and catalogued at the end of the last year. This work and the work of classification and cataloguing 13,914 books newly acquired was undertaken during the year.

The details of the work done during the year 1957-58 are as follows:

1. Total number of books to be classified and catalogued in 1957-58	24,187
2. Total number of books classified and catalogued in 1957-58	18,965
3. Arrear of books to be classified and catalogued at the end of the year 1957-58	5,222
4. Total number of catalogue cards typed in 1957-58	85,342
5. Total number of catalogue cards filed in 1957-58	85,342
6. Total number of books labelled and shelved in 1957-58	18,965

## 3. Lending and Reference Services

The Library remains open from 8-00 a.m. to 8-00 p.m. on all working days except Sundays. It is kept open on Sundays and holidays during the months of annual examination in order to give more facilities to students.

The numbers of readers registered in various categories were as follows:

1. Research students	43
2. Post-graduate students	237
3. Under-graduate students	3,165
4. University teachers	301
5. Others	62

Total : 3,808

The statistics of average daily attendance and circulation of books were as under :

1. Average number of readers visiting the reading room	406
2. Average number of books issued per day	213
3. Total number of visits to the reading room during the year	1,15,680
4. Total number of books issued during the year	48,035
5. Total number of books issued for reference	19,086

## 4. Oriental Printed Section

The management of the Printed Section of the Oriental Institute has been now undertaken by the Library and it is done by a Superintendent in charge of the section. The books of the section were reclassified and catalogued during the year with the help of temporary staff. The section is now housed on the ground floor of the building adjacent to the Oriental Institute.

The following statistics give the details about the activities of the section :

### (i) Acquisition :

	Number	Cost in Rs.
Total number of books at the end of the last year	18,097	1,79,000
Total number of new books purchased during the year 1957-58	472	3,500
Books received as gifts and on exchange basis	350	2,175
Total number of books at the end of 1957-58.	18,919	1,84,675

### (ii) Periodicals :

Total number of Journals during the year 1957-58

### (iii) Classification and Cataloguing :

Total number of books to be classified and catalogued in 1957-58

Total number of books classified and catalogued in 1957-58

Number of books to be classified and catalogued at the end of 1957-58

Total number of catalogue cards typed in 1957-58

Number  
135

18,919

16,514  
2,405

91,592



## Number

Total number of cards filed in 1957-58

45,796

Total number of books labelled and shelved in 1957-58

12,949

(iv) Lending:

Total number of books issued to the students during the year 1957-58

758

Total number of books issued to teachers during the year 1957-58

360

Total number of books issued during the year 1957-58

1,118

28 students and 25 teachers made use of the reading room everyday.

### 5. Teaching of Library Science

This year eleven students were admitted to the course, out of which ten students appeared in the examination and five came out successful. Out of them one stood in first class, three in second class and one in pass class. The teaching work was done by the University Librarian, Assistant Librarian and Sectional Superintendents of Reference and Oriental Printed Sections.

### 6. Personnel

From this year the staff of various libraries which were on the campus, has been taken on the establishment of the University Library. Job analysis was made for various types of work to be performed and a proposal was made to the University authorities showing the different types of work which was to be done and the types of personnel needed to do the work. This proposal was accepted by the authorities. Various cadres in the personnel sanctioned are as follows: University Librarian, Assistant Librarian, Sectional Superintendents, Senior Library Assistants, Junior Library Assistants, Library Clerks and Library Attenders.

### 7. Building

During the summer vacation the books were shifted in their proper position in the stack rooms during that period. The Library building had been fully occupied. Most of the furniture that was ordered had come. The total furniture worth about Rs. 1,04,225/- is purchased with the help of grants of Rs. 52,800 from the University Grants Commission and Rs. 26,425 from the State Government. A fine panel of sculpture in cement is executed by Professor N. N. Chaudhary of the Faculty of Fine Arts on the front facade of the Library building. The Library was appropriate

named after the outgoing Vice-Chancellor Shrimati Hansa Mehta, who took very keen interest in the provision of good library service for the University. Professor N. S. Bendre of the Faculty of Fine Arts has been kind to prepare an oil portrait of her, which now adorns the hall of the Library.)

### 8. Other Important Events

(a) An exhibition of books and manuscripts in Gujarat was arranged in the new building of the Library at the time of the session of the Indian P. E. N. Conference and the opening ceremony of the exhibition was performed on the 26th October, 1957 by Dr. Jivraj N. Mehta, Minister for Finance, Government of Bombay. Pandit Jawaharlal Nehru and Dr. S. Radhakrishnan visited the exhibition as well as the Library on this occasion.

(b) An exhibition of important British books was arranged in the Library building from the 8th to the 16th January, 1958 by the British Council.

(c) The following are some of the distinguished visitors to the Library during the year:

- (i) Shri Sri Prakash, Governor of Bombay
- (ii) Dr. K. L. Shrimali, Minister for Education, Government of India
- (iii) Shri K. M. Munshi, Ex-Governor, U. P.
- (iv) Dr. A. L. McNeal, U. S. Specialist in Library Science
- (v) Nepalese University Commission



## CHAPTER XXIII—THE M. S. UNIVERSITY OF BARODA PRESS (SADHANA PRESS)

### 1. Building

The University purchased the old Sadhana Press, Baroda on the 18th May, 1953 and re-named it as M. S. University Press. Since then the Press is continued in its old rented building. During the year under report the University started construction of a new building for the Press on the south of the Faculty of Technology and Engineering.

### 2. Staff

During the year, the staff of the Press consisted of a Manager and 8 Class III servants. Besides there were 32 permanent press workers and more workers were employed on daily wages as and when required. One of the workers was selected for training as a monotype operator and another as a monotype caster. Both of them received training at Calcutta Monotype School.

### 3. Machinery

Monotype machine was received in march/April and it was partially erected in the new press building under construction, in a room on the eastern side. An electric furnace "Funditor" was also purchased for remelting metal and it would be installed in the new building in the room of monotype machine.

### 4. Printing Activities

The Press printed 101 papers for October, 1957 and 440 papers for March-April-June, 1958 University examinations. Besides, it printed for the University, Syndicate and Senate proceedings, handbooks, annual report, annual accounts, budget, establishment list, pamphlets, University certificates, etc.

Stationery, general forms, lists, prospectuses, questionnaires, magazines and pamphlets of various Faculties and Institutions as well as of the University Office were also printed during the year.

(a) The following books were completed and published during the year :

Ramayana Critical Edition—

Balkanda 1st Fascicule

Kevaladvaita in Gujarati Poetry

Suchi of Vyavaharakanda

( Ramayana Department )

( Oriental Institute )

..

Praman Manjari ( Oriental Institute )

Mudravicharprakaranam and Mudraavidhih

Tamboolmanjari

Some Catalytic Gas Reactions of Industrial Importance

( Oriental Institute )

Sangeetchudamani

" રેવાને તીરે તીરે "

" વિજ્ઞાન વિનોદ "

" દક્ષિણ કૈલાસ દર્શન "

" વડોદરા રાજ્યની સાહિત્ય પ્રવૃત્તિઓ "

" ગુજરાત એક દર્શન "

" ગૃહજીવનમાં સ્ત્રીનું સ્થાન "

" વિકસયતિ રાસ "

" વિક્રમોર્વશી "

" સાહિત્ય મિમાંસાના બે પ્રશ્નો "

" ઉત્તરાપથ "

( Gujarati Department )

Educational Evaluation & Testing Procedure in Hindi & Mathematics ( Rajpipla Workshop Report ) ( Extension Department )

Educational Evaluation & Testing Procedure in Geography & Gujarati ( Chhotaudaipur Workshop )

Educational Evaluation & Testing Procedure in Gujarati & General Science ( Bardoli Workshop )

News Letter

Report of the Third All India Seminar ( Educational & Vocational Guidance )

Mental Measurement Series 1-5

The Soma Hymns of the Rg-Veda

( Faculty of Arts )

Socio Economic Survey of Baroda City

Bharat Natya and other Dances of Tamil Nad

( Music College )

" ભરતનાટ્ય સમશ્લોકો "

" નાટ્યશાસ્ત્ર અને આચાર્ય અભિનવ ગુપ્તાચાર્ય "

" અભિનેય નાટકો "

" સંક્ષિપ્ત ભરત નાટ્યશાસ્ત્ર "

Research and other Publications 1949-1956

Examination Reforms 1950-57

Symposia Series " 1857 "

Symposia Series " Meghadut "

Souvenir " Polytechnic "

P. E. N. Conference Souvenir



(b) The following Journals were printed during the year :

The Journal of the M. S. University of Baroda ( Half yearly )  
 The Journal of the Oriental Institute ( Quarterly )  
 The Journal of the Vocational and Educational Guidance ( Quarterly )  
 The Journal of the Animal Morphology ( Half yearly )  
 The Journal of the Education and Psychology ( Quarterly )

(c) The following works are in progress :

Natyashastra Vol. IV  
 Vishnudharmottara  
 Manasollasa  
 Mirat-I-Sikandari  
 Selections of Baroda State Records

धर्म

रीतिरंज

भारतीय तत्त्वविद्या

वैशेषिकसूत्रम्

#### 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 this work. Ordinarily stationery was distributed to the institutions and departments every quarter on the basis of quarterly indents collected. About 172 items of stationery are 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 XXIV—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

### 1. Executive Committee

When the academic year 1957-58 opened, Shri C. M. Shukla continued to be the President and Shrimati Indira Bhanot as the Treasurer of the Union.

As required by the Constitution of the Union, elections were held in July, 1957 and an Executive Committee consisting of the following and 15 student representatives of the various Faculties and Institutions was formed :

1. Shri C. M. Shukla ( upto 15-6-1958 ) Shri H. C. Dholakia ( from 16-6-1958 )	President
2. Shrimati Indira Bhanot	Treasurer
3. Shri M. T. Acharya	Vice-President
4. Shri C. D. Amin	General Secretary
5. Shri B. V. Mehta	Joint Secretary
6. Shri N. S. Haladwala	Secretary, Indoor Games
7. Shri R. R. Patel	Secretary, Reading Room & Library
8. Shri P. N. Desai	Secretary, Debating Society
9. Professor C. C. Mehta	Member nominated by the Syndicate
10. Shri R. D. Shah Assistant Appellate Commis- sioner of Income Tax, Baroda	Member nominated by the Syndicate
11. Kumari Indira Rao	Student member nominated by the Syndicate
12. Shri Dhami Ajit Singh	Student member nominated by the Syndicate

As required under Ordinance 1 and Ordinance 9 of the University, the following members were nominated on the University Board of Sports and Students' Welfare Board :

University Board of Sports : ( 1 ) Shri G. N. Menon  
 ( 2 ) Shri Nozer Haladwala



University Students' Welfare Board: (1) Shri C. D. Amin  
(2) Shri G. T. Jejurikar  
(3) Shri P. T. Purohit

## 2. Activities of the Sub-Committees

The Sub-Committees carried on the following activities during the year:

### (1) Public Lectures and National Day Celebrations Committee

(a) The Committee celebrated the following National Days and arranged the following lectures:

Day and Date	Particulars	President
Thursday, 15-8-1957	Independence Day	Shrimati Hansa Mehta, Vice-Chancellor, M. S. University of Baroda
Wednesday, 2-10-1957	Gandhi Jayanti Day	Shri Bhailalbhai D. Patel, Vice-Chancellor, Sardar Vallabhbhai Vidyapeeth, Anand
Sunday, 26-1-1958	Republic Day	Shrimati Hansa Mehta, Vice-Chancellor, M. S. University of Baroda

(b) It also arranged the following lectures:

Day and Date	Topic	President
Monday, 23-9-1957	Need for spiritual growth in Man's life	Swami Chidanandji, Vice-Chancellor of Yoga Vedant Forest University, Rishikesh
Saturday, 28-9-1957	What and What next with University students	Shri Chandrakant Shah, Editor, Navbharat, Baroda
Wednesday, 2-10-1957	Some aspects of Mahatma Gandhiji's life	Shri Bhailalbhai D. Patel, Vice-Chancellor, Sardar Vallabhbhai Vidyapeeth, Anand
Wednesday, 11-12-1957	Small Savings Scheme	Shri M. V. Mone, Secretary, Finance Department, Bombay State, Bombay
Sunday, 3-2-1958	English Literature	Dr. Hugo Gryn

### (2) Poor Boys' Library Committee:

The number of applications received for help from this library during the year was 248, out of which 135 students were issued the necessary

books according to their requirements. 112 new books of the value of Rs. 1,049/- were purchased from the budget of this year, according to the demand of the students. Additional books worth Rs. 49/- for the Faculty of Arts were purchased from the annual proceeds of the Principal A. B. Clarke's Poor Boys' Aid Fund. The total number of books in the library was 559.

### (3) Indoor Games Committee:

The tournaments in Badminton, Inter-Faculty and Inter-University, were played in the first term. The Inter-University Badminton tournament was staged in Baroda during the year.

In Table Tennis, our Ladies' and Men's teams won the Motibag Cricket Club Team Championships. Shri Atul Shah was selected to represent Baroda in the National Table Tennis Championships staged in Colombo, Ceylon.

The prize distribution function was held on the 13th February, 1958 in Baroda College Central Hall. Shrimati Hansa Mehta, the Vice-Chancellor of the University presided and distributed the prizes.

### (4) Debating Society:

The Debating Society of the Union organised a good number of debates during the year. Our students also participated in various Inter-University debates. A special grant of Rs. 800/- was sanctioned by the Vice-Chancellor for this purpose. The following teams won the Inter-University debates at various places:

- (i) Shri Prakash Desai (Medical College) and Kumari Meena Shrikantan (Faculty of Education and Psychology) won Shri S. S. Sheth trophy, for Inter-University extempore debates in English held at Saugar, University of Saugar.
- (ii) Shri G. P. Deshpande and Shri Vatsal Yajnik (Faculty of Arts) won Inter-University debating trophy and secured individually 1st and 2nd places at the contest at Gwalior.
- (iii) Kumari Anila Chhaya along with Shri Vrushank Majumdar represented our University at the Inter-University debate sponsored by Aligarh University. Kumari Chhaya won a special consolation prize.
- (iv) Shri Dhawal Mehta and Shri Vatsal Yajnik who were deputed from the Faculty of Commerce at the Inter-University Commerce College at Nagpur, secured second prize.



- ( v ) Shri Prateep Raj Mehta and Shri Mahmood M. Munshi won the second team trophy at the Inter-University extempore debate at Waltair, University of Andhra.

During the year the following Inter-Faculty debates were arranged :

- ( i ) The Vice-Chancellor's Trophy debate in English 22-7-1957  
 ( ii ) A debate in Hindi in celebration of India's First Struggle for Independence 2-9-1957  
 (iii) Selection debate (for Inter-University Youth Festival) 14-9-1957  
 (iv) Inter-Faculty extempore debate in English, Hindi and Gujarati 28-9-1957  
 ( v ) Shri B. N. Majmudar Trophy debat in Hindi 7-12-1957  
 ( vi ) Shri M. N. Wadia Trophy debate 9-12-1957  
 (vii) Shri N. M. Bhatt Trophy extempore debate in Gujarati 18-1-1958  
 (viii) The Pro-Vice-Chancellor's Traphy debate 6-2-1958

( 5 ) *Reading Room and Library Committee :*

The list of newspapers and periodicals to be subscribed for the new year was revised. The Committee also decided to continue the free lending library scheme.

( 6 ) *Hiking Club :*

During the year hikes to ( i ) Pavagarh, ( ii ) Narmada Valley, ( iii ) Abu and ( iv ) Taranga were arranged.

( 7 ) *Film Club :*

During the year, the Club showed the following films :

1. Strangers on a train 2. Singing in the Rain 3. Deedar
4. Film Show by British Information Service 5. Scaramouche
6. Badbaan 7. Andaz 8. Ten Tall Men 9. Parineeta 10. Films from U. S. I. S., Columbia, Government of Bombay and Film Club
11. Chori-Chori 12. Devdas 13. Seema 14. Rock Around the Clock.

The Club showed many educational films and Indian documentary reels along with the films and they were much appreciated. The Club had a saving of Rs. 800/- which it desires to donate towards Poor Boys' Aid Fund.

( 8 ) *United Nations Society :*

- ( i ) The U. N. Day was celebrated by the U. N. Society in collaboration with the Collector's office of Baroda on the 24th October, 1957.  
 ( ii ) In the month of November, 1957, a film on U. N. was shown to the students. ( iii ) During the University Week in the month of December, 1957, an exhibition on U. N. was arranged by the U. N. Society in the Faculty of Education and Psychology, Baroda. ( iv ) 'Human Rights Day' was celebrated on the 28th December, 1957. Dr. A. H. Somjee, Shri K. S. Yajnik, Shri H. C. Dholakia, Dr. A. G. Javadekar and Shri B. C. Parekh spoke on the occasion. Shrimati Hansa Mehta, Vice-chancellor presided over the function. ( v ) Four delegates were sent by the Union to take part in the All India National Convention of United Nations Students Association held at Delhi on the 3rd, 4th and the 5th January, 1958.

( 9 ) *Discussion Group :*

The Discussion Group of the University Union held a discussion on the subject "What and What next with University Students?" Shri Chandrakant F. Shah, Editor of Navbharat was the Chief Guest.

( 10 ) *Variety Entertainments Committee :*

The first programme was held in the Baroda College Central Hall on the 16th August, 1957. A second programme which consisted of National songs, Bhajans and a life-history-song of Gandhiji with an attractive item of fancy dress competition was given in celebration of the 2nd October, the birth-day of Mahatma Gandhi. The Committee staged a third programme on the 26th January, 1958, the Republic Day, in collaboration with the N.C.C. who enlivened the programme with a Boxing competition.

( 11 ) *Social Service League :*

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. The League also persuaded a few students to donate their blood. It also extended its co-operation to the local branch of T.B. Association and collected Rs. 40/- through the sale of T.B. Seals.

( 12 ) *Bulletin Committee :*

The Pulletin Committee has continued its work and maintained its standard in collecting reports and records of activities undertaken and successfully accomplished by the various committees of the Union.



(13) *Union Co-operative Stores :*

The Union Co-operative Stores continued to supply text-books and note books to the students this year also. Towards the end of the year it was transferred to the Faculty of Commerce and re-named as M. S. University Students' Co-operative Store.

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 Songs and Garba, Academic and Cultural Exhibitions in 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. This year, the competitors put up a much higher standard of performance than before. 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 year's Week was inaugurated by Shri Sri Prakash, the Governor of Bombay State, on the 4th December, 1957, while at the concluding function, the prizes were distributed by Shrimati Hansa Mehta, Vice-Chancellor of this University.

4. **Fourth Inter-University Youth Festival**

The University participated in the Fourth Inter-University Youth Festival organised from the 1st November to the 10th November, 1957 at New Delhi by the Ministry of Education and Scientific Research.

The Contingents sent by our University participated in all items and their performance was a standard one. The Drama Group won the prize of first category and in other items the performances of the Contingent was appreciated by local newspapers as well as the other participants and officers of the Festival. The University Contingent was the only one having its own University Song, which was sung every day at every function.

The Contingent also gave an entertainment programme under the auspices of the Delhi Gujarati Samaj at the Auditorium of the Y.W.C.A. It was a happy coincidence that the award of the first category prize in Drama was declared that very evening and the Vice-Chancellor, Shrimati Hansa Mehta was present in their midst.

5. **General Progress**

As time passes the students become more and more clubminded and are attached to the Union. The daily attendance to the Union showed appreciable increase during the year. There is also greater appreciation of the work of the Union. It is now generally known that the Union is a cultural body devoted to a constructive programme.

During the year under report the Badminton Hall was declared open for use to the Union members by Dr. C. S. Patel, the Pro-Vice-Chancellor of the University. The Badminton Hall is the finest in Baroda. Because of this Hall, it was made possible to hold the Inter-University Badminton tournaments at Baroda.

A few more conveniences were also added during the year. A filtering Water-Cooler and a Frigidaire were installed. The Cafeteria was better equipped and the Lounge made more attractive. The place of the Union in the University set-up is that of an institution which is a 'must' for every distinguished visitor to the University. This distinction conferred upon the Union by the University has opened up an endless avenue of opportunity for contacts with eminent personalities from India and abroad which are bound to be of significance to the students.

The newly constructed Swimming Pool was declared open for use to the Union members as well as to the guests of the members, by Dr. Jivraj N. Mehta, Minister for Finance, Government of Bombay on the 13th October, 1957. The Swimming Pool is constructed on modern lines and it is the best Swimming Pool in Baroda with an attractive garden. This year more than 525 students joined the Swimming Pool. Competitions were also held and prizes were awarded to the winners by the Vice-Chancellor, Shrimati Hansa Mehta.



## CHAPTER XXV—VISITS, LECTURES AND DEPUTATIONS

### 1. Visits :

The following were some of the distinguished visitors to the University during the year :

( 1 ) M. Andre' Padoux, Deputy Cultural Counsellor, Embassy of France, New Delhi visited the Faculties of Arts, Education and Psychology, Home Science and Fine Arts, Oriental Institute, University Union, Shrimati Hansa Mehta Library and the Social Education Organisers' Training Centre on the 5th and the 6th September, 1957.

( 2 ) Shri D. L. Mazumdar, Secretary, Department of Company Law Administration, Government of India, New Delhi visited the University on the 27th September, 1957.

( 3 ) Dr. Rajendra Prasad, President of the Republic of India performed the ceremony of laying the corner stone of the buildings for the Polytechnic on the 30th September, 1957. He also visited Shrimati Hansa Mehta Library the corner stone of which was laid by him in the year 1954-55.

( 4 ) Shri Sri Prakash, Governor of Bombay inaugurated the eighth University Week on the 4th December, 1957. He also visited the Faculties of Fine Arts and Home Science, Shrimati Hansa Mehta Library, College of Indian Music, Dance and Dramatics, Department of Archaeology and the Textile and Allied Industries Research Organisation.

( 5 ) Dr. F. C. Chandler Young, U. S. Expert in General Education visited the University on the 16th December, 1957.

( 6 ) Dr. A. L. McNeal, Specialist in Library Science visà-vis-General Education Programme visited the Faculty of Fine Arts, Faculty of Home Science, College of Indian Music, Dance and Dramatics, Shrimati Hansa Mehta Library, Department of General Education and the Baroda Museum and Picture Gallery on the 16th and the 17th December, 1957.

( 7 ) Dr. Champion Ward, Consultant on Education of the Ford Foundation visited the University on the 9th and the 10th January, 1958.

( 8 ) Shri M. S. Kannamwar, Minister for Public Health, Government of Bombay performed the opening ceremony of the Out Patient Department of Sheth Ujamshi Pitambardas Ayurvedic Research Unit on the 15th February, 1958.

( 9 ) The Nepalese University Commission consisting of six members paid a visit to the University and during their stay they visited the Faculties and Institutions of the University on the 5th, 6th and the 7th March, 1958. A meeting of the Pro-Vice-Chancellor, the Registrar and six members of the Nepalese University Commission was also held on the 5th March, 1958 in the University office to discuss the general set-up of the proposed University at Nepal.

( 10 ) Dr. K. L. Shrimali, Minister for Education, Government of India performed the opening ceremony of the new building for the Department of Psychology of the Faculty of Education and Psychology on the 5th April, 1958. He also visited the Faculties of Fine Arts and Home Science, Shrimati Hansa Mehta Library, Oriental Institute, Department of Museology and the Baroda Museum and Picture Gallery.

### 2. University Extension and Other Lectures

( i ) The following lectures were delivered under the auspices of the University during the year.

S. No.	Date of Lecture	Name of the Lecturer	Subject
<b>Faculty of Arts :</b>			
1.	26-7-1957	Dr. B. R. Chokshi	Charotarani Boli
2.	31-7-1957	Dr. R. M. Patel	Sinhasan Batrishi and Lokvartanu Sahitya
3.	6-9-1957	M. Andre Padoux	University Education in France
4.	21-9-1957	Professor C. C. Mehta	Kotyam Sahitya Prasad-na Samsarano
5.	14-11-1957	Professor Richard Mckeon	( i ) The nature of moral responsibility
	19-11-1957	"	( ii ) The varieties of moral criteria
6.	22-11-1957	Professor Briggs	( i ) The study of Industrial Revolution
	23-11-1957	"	( ii ) The Victorian Age
7.	6-2-1958	Dr. P. M. Modi	2nd Adhyaya of Shrimad Bhagwad Gita
8.	24-2-1958	Professor Max H. Fisch	( i ) Current Philosophical movements and tendencies in America
	25-2-1958	"	( ii ) American Social Philosophy



S. No.	Date of Lecture	Name of the Lecturer	Subject
<b>Faculty of Science :</b>			
1.	9-12-1957	Professor N. N. Murty	( i ) Riddle of Sex
	10-12-1957	"	( ii ) Glands and Personality
2.	23-1-1958	Professor T. R. Seshadri	( i ) Nucleic Acid
	24-1-1958		( ii ) Structure of Catechins
	25-1-1958		( iii ) Leuco Antho-Cyanidins
			( iv ) Naturally occurring 3-Phenyl Coumarins
			( v ) Naturally occurring 4-Phenyl Coumarins
			( vi ) Naturally occurring stilbenes
			( vii ) Chemical Decorations in Nature
3.	1-2-1958	Dr. S. Zaheer	( i ) Gasification of Coal
		"	( ii ) Utilisation of Coal

**Faculty of Education and Psychology :**

1.	19-9-1957	Dr. C. W. Marshall	Audio-Visual Aids in Education, their preparation and use
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**Faculty of Commerce :**

1.	7-9-1957	Dr. K. R. Masani	Mental Hygiene and Needs of Child-hood
2.	9-11-1957	Shri Sundaram	The teacher must have vision

**Faculty of Medicine :**

1.	16-12-1957	Dr. R. P. Bharucha	Space occupying lesions in the skull
2.	11-1-1958	Dr. N. S. Vahia	The impact of modern treatment procedures on Psychiatry
3.	31-1-1958	Dr. G. B. Mankad	Plumbism in Gujarat
4.	12-2-1958	Sir. Henage Ogilvie	Art and Philosophy of Medicine
	13-2-1958		

S. No.	Date of Lecture	Name of the Lecturer	Subject
<b>Faculty of Technology and Engineering :</b>			
1.	21-12-1957	Professor C. Gopal-krishnan	Design of Structures
	23-12-1957		
2.	12-2-1958	Shri S. Szafranski	( i ) Some remarks on design problems of oil immersed
	13-2-1958	"	( ii ) Brief review of recent progress in the principal materials used for construction of transformers
3.	25-2-1958	Shri T. J. Manikam	( i ) Planning Thought
		"	( ii ) Modern Technique in Town and Country Planning

**Faculty of Home Science :**

	24-2-1958	Dr. H. P. Maiti	( i ) Working of the B.M. Institute of Psychology and Child Development
	25-2-1958	"	( ii ) Role of Nursery School in maintaining Mental Hygiene

**Faculty of Social Work :**

1.	28-1-1958	Dr. J. F. Bulsara	( i ) Social situation in the Country
	29-1-1958	"	( ii ) Impressions of Social Welfare Activities in Western European Countries
2.	4-2-1958	Dr. A. S. Raj	Modern Prisons, their Philosophy and Programme
	5-2-1958		
	6-2-1958		
3.	22-3-1958	Shrimati A. Kulkarni	Juvenile Court, its Philosophies and Functions
	23-3-1958		
	24-3-1958		

**Sanskrit Mahavidyalaya :**

	1-10-1957	H. H. Shri Jagat Guru Shankaracharya Abhinava Sachidanandji Maharaj	Present position of Sanskrit Studies
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**M. S. University Student's Union :**

	23-9-1957	H. H. Swami Chidanandji	Need for spiritual growth in Man's Life
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### 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 :

<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
1. Shri P. M. Mathew ( Faculty of Social Work )	All India Conference of Labour and Welfare Officers at Calcutta from the 19th to the 21st October, 1957
2. Shri V. Y. Kantak Professor B. J. Sandesara Shri C. M. Shukla Dr. V. P. Dandekar ( Faculty of Arts ) Professor C. C. Mehta ( College of Indian Music, Dance and Dramatics )	Fourth All India Writers' Conference in Baroda from the 26th to the 29th October, 1957
3. Dr. C. V. Ramkrishnan ( Faculty of Science ) Dr. T. V. Patel Dr. M. L. Pai ( Faculty of Medicine )	Indian Council of Medical Research at Lucknow for a week in November-December, 1957
4. Shri V. Y. Kantak ( Faculty of Arts ) Professor S. M. Sethna ( Faculty of Science )	Conference of the General Education Study Team at Hyderabad from the 29th November to the 1st December, 1957
5. Shri S. M. Divekar ( Faculty of Education and Psychology )	All India Seminar on Teaching of English at Nagpur between the 5th December and the 25th December, 1957
6. Kumari Justina A. Singh ( Faculty of Home Science )	Indian Council of Medical Research at Lucknow during the 2nd week of December, 1957
7. Professor G. B. Pandya Dr. S. C. Misra ( Faculty of Arts )	Seminar on 'Race Relations in Africa' in the University of Delhi from the 16th to the 20th December, 1957

<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
8. Professor R. C. Mehta ( College of Indian Music, Dance and Dramatics )	Third All India Music Teachers' Conference and Music Festival at Belgaum from the 21st to the 24th December, 1957
9. Dr. M. Yoganasimhiah ( Faculty of Education and Psychology ) Shri D. F. Pareira ( Faculty of Social Work )	Conference of Psychologists at Bombay from the 22nd to the 24th December, 1957
10. Professor C. C. Mehta ( College of Indian Music, Dance and Dramatics )	Eighth National Conference and Festival of the Indian People's Theatre Association in Delhi from the 23rd December, 1957 to the 1st January, 1958
11. Shri H. C. Malkani ( Faculty of Arts ) Dr. V. Sunder Rajan Dr. K. S. Venkatraman ( Faculty of Commerce )	Fortieth Annual Conference of the Indian Economic Association at Nagpur from the 24th to the 26th December, 1957
12. Dr. G. K. Karandikar Shri Y. R. Pandit ( Sheth U.P.A.R. Unit )	Bombay State Vaidya Sammelan at Miraj from the 24th to the 26th December, 1957
13. Shri B. L. Sinha ( Faculty of Arts )	Session of the Bharatiya Hindi Parishad at Allahabad from the 25th to the 27th December, 1957
14. Shri R. C. Patel ( Faculty of Science ) Shri C. C. Shah, ( Faculty of Technology and Engineering )	Twenty-third Annual Conference of the Indian Mathematical Society at Cuttack from the 26th to the 28th December, 1957
15. Shri H. P. Chokshi ( Faculty of Arts ) Dr. V. Sunder Rajan ( Faculty of Commerce )	Indian Society of Agricultural Economics at Nagpur from the 27th to the 29th December, 1957



<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
16. Professor S. N. Mukerji ( Faculty of Education and Psychology )	All India Educational Conference at Madras from the 27th to the 31st December, 1957
17. Shri J. J. Patel ( University Experimental School )	Seminar on School Broadcast at Bombay from the 27th to the 29th December, 1957
18. Dr. D. V. Gogate ( Faculty of Science )	Twenty-third Annual Meeting of the Indian Academy of Sciences at Tirupati from the 27th to the 29th December, 1957
19. Professor G. B. Pandya Dr. S. S. Bhawe ( Faculty of Arts ) Professor G. H. Bhatt Dr. U. P. Shah ( Oriental Institute )	Nineteenth Session of the All India Oriental Conference at Delhi from the 27th to the 29th December, 1957
20. Kumari I. D. Malani ( Faculty of Social Work )	Indian Conference of Social Work, Decennial Anniversary Session at Madras from the 28th December, 1957 to the 1st January, 1958
21. Shri V. Y. Kantak Shri C. M. Shukla ( Faculty of Arts )	Eighth Session of the All India English Teachers' Conference at Hyderabad from the 29th to the 31st December, 1957
22. Dr. G. K. Karandikar ( Sheth U. P. A. R. Unit )	Indian Pharmaceutical Congress at Bombay in the last week of December, 1957
23. Dr. H. L. Dholakia Shri B. G. Shah ( Faculty of Commerce )	All India Conference at Nagpur in the last week of December, 1957
24. Shri V. Y. Kantak Professor G. B. Pandya Dr. S. C. Misra Shri R. Krishnamurti	Twentieth Session of the Indian History Congress at Vallabh Vidyanagar from the 30th December, 1957 to the 1st January, 1958

<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
Dr. R. N. Mehta Shri S. K. Desai ( Faculty of Arts ) Shri V. K. Bhatt ( Faculty of Fine Arts ) Dr. M. R. Mujumdar ( Oriental Institute )	Fifteenth All India Textile Conference at Bombay from the 1st to the 3rd January, 1958
25. Shri K. Krishna Murthy Shri S. S. Warty ( Faculty of Technology and Engineering )	Indian Science Congress at Madras from the 6th to the 12th January, 1958
26. Dr. C. S. Patel ( Pro-Vice-Chancellor ) Professor M. N. Srinivas Dr. B. Subba Rao ( Faculty of Arts ) Professor N. M. Bhatt Professor S. M. Sethna Professor A. R. Chavan Professor J. C. George Shrimati Indira Bhanot Dr. J. S. Dave Dr. N. S. Pandya Shrimati V. A. Janaki Dr. R. V. Shah Shri A. M. Talati Shri S. S. Lele ( Faculty of Science ) Dr. A. S. Patel ( Faculty of Education and Psychology ) Dr. J. D. Pathak ( Faculty of Medicine )	
27. Shri H. C. Malkani ( Faculty of Arts ) Dr. H. L. Dholakia ( Faculty of Commerce )	First All India Labour Economic Conference at Lucknow from the 6th to the 8th January, 1958



<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
28. Dr. A. S. Patel Shri L. J. Bhatt ( Faculty of Education and Psychology ) Shri M. T. Acharya Shri Bhalchandra G. Bhatt ( Students )	Seminar on Education and Inter-regional Understanding by World University Service at Bombay from the 12th to the 14th January, 1958
29. Shri C. T. Shah ( Faculty of Commerce )	Third All India Cost Accounts Conference at Bombay on the 18th and the 19th January, 1958
30. Shri G. P. Bhatt ( University Experimental School )	All Bombay State Head Masters' Conference at Poona on the 18th and the 19th January, 1958
31. Dr. Sanat Shah ( Faculty of Medicine )	Annual Joint Conference of the Association of Paediatricians of India at Trivandrum from the 19th to the 22nd January, 1958
32. Shri V. Y. Kantak Shri C. M. Shukla Shri D. D. Mahulkar Shri J. D. Desai ( Faculty of Arts )	English Literature Seminar at Bombay between the 20th and the 30th January, 1958
33. Dr. N. Srinivasan ( Faculty of Medicine )	Annual Conference of the Association of Otolaryngologists of India at Delhi on the 31st January, 1958
34. Kumari W. Goodwin ( Faculty of Social Work )	Sixth All India Conference on Moral and Social Hygiene at Ahmedabad from the 31st January to the 2nd February, 1958
35. Professor D. Subbarao ( Faculty of Technology and Engineering )	Seventeenth Annual Conference of the Association of Principals of Technical Institutions ( India ) at Sindri from the 3rd to the 5th February, 1958
36. Dr. Y. V. Surendranath ( Faculty of Arts )	Third Indian Sociological Conference at Agra from the 6th to the 8th February, 1958

<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
37. Shri P. M. Mathew ( Faculty of Social Work )	Fourth Management Conference of the Ahmedabad Textile Industries Research Association at Ahmedabad from the 7th to the 9th February, 1958
38. Professor C. C. Mehta Shri J. D. Thakar ( College of Indian Music, Dance and Dramatics )	First Gujarati Natya Sammelan at Bombay from the 7th to the 10th February, 1958
39. Professor O. H. Patel ( Faculty of Technology and Engineering )	Annual Meeting of the Institution of Engineers ( India ) at Lucknow from the 15th to the 20th February, 1958
40. Professor M. B. Dave ( Faculty of Technology and Engineering )	Seminar on Landscape Architecture in New Delhi from the 19th to the 22nd February, 1958
41. Shri M. D. Trivedi ( University Experimental School )	Holiday Camp for Secondary Teachers in Gujarat Division at Khedbrahma from the 1st to the 7th March, 1958
42. Shri L. J. Bhatt ( Faculty of Education and Psychology )	Vocational Guidance Conference at Bombay on the 1st and 2nd March, 1958
43. Kumari Nalini Badlani ( Faculty of Home Science )	Workshop on Speech at the B. M. Institute of Psychology and Child Development at Ahmedabad for a period of two weeks from the 13th March, 1958
44. Shri V. Y. Kantak ( Faculty of Arts )	Conference on Problems of Teaching English organised by the University Grants Commission at New Delhi from the 26th to the 28th March, 1958
45. Kumari Amita Mehta ( Faculty of Home Science )	Seminar on Child Welfare at Delhi from the 2nd to the 4th April, 1958
46. Shri K. S. Desai, ( Faculty of Arts )	Fourth Annual Meeting of the General body of the Indian Institute
26.	



<i>Name of the member of the staff</i>	<i>Name, place and dates of the conference</i>
47. Dr. ( Kumari ) S. A. Nachane ( Faculty of Arts ) Shri L. B. Shastri ( Faculty of Fine Arts ) Professor G. H. Bhatt ( Oriental Institute ) Shri H. C. Mehta ( Sanskrit Mahavidyalaya )	of Public Administration at New Delhi on the 5th April, 1958 Sixth Session of the Sanskrit Vishwa Parishad at Puri from the 12th to the 14th April, 1958
48. Shri L. J. Bhatt Dr. M. Yoganarasimhiah ( Faculty of Education and Psychology )	Third Annual Conference on Guidance and Student Personnel Work at Jabalpur from the 12th to the 15th April, 1958
49. Kumari I. D. Malani Shrimati P. Bhatt Shri G. G. Dadlani Shri P. M. Mathew Shri S. R. Ramdeo. ( Faculty of Social Work )	Five Seminars at Simla on various Techniques of Social Work from the 5th to the 17th and from the 19th to the 31st May, 1958
50. Dr. V. Sunder Rajan ( Faculty of Commerce )	Seminar on Co-operative Farming at Poona on the 12th and the 13th May, 1958
51. Shri T. P. Lele Shri M. B. Buch ( Faculty of Education and Psychology )	Seminar on the promotion of research in training Institutions at Srinagar from the 17th to the 20th May, 1958
52. Kumari I. D. Malani ( Faculty of Social Work ) Shri J. C. Kavoori ( S.E.O. Training Centre )	Annual Conference on Community Development at Mount Abu from the 20th to the 24th May, 1958
53. Professor A. R. Chavan Dr. R. V. Shah ( Faculty of Science )	Conference of Professors in Biological Sciences arranged by the Inter-University Board of India at Madras during the last week of May, 1958

## CHAPTER XXVI—GENERAL EDUCATION DEPARTMENT

### 1. Brief History

The General Education programme began in this University in 1953 and after an exploratory work for over three years, from June, 1957 it became a part of the curriculum for the Preparatory classes ; for the first and second year of the degree classes of the Faculties of Arts, Science, Commerce, Fine Arts and Home Science and for the Pre-medical and Pre-engineering classes. A separate department of General Education was created in July, 1957 to co-ordinate the work in the subject in all Faculties.

### 2. Building

The department of General Education is at present housed in the building of the Faculty of Education and Psychology. Looking to its expanding work it needs a separate building. The Ford Foundation of U.S.A. has helped the University and has announced a grant of 4,30,000/- U.S.A. dollars for the General Education Centre in the University. The construction of the building which is estimated to cost about Rs. 15 lacs was started towards the end of the year.

### 3. Lectures, Tests, etc.

At the Preparatory stage two text-books are prescribed. At the three year degree level, the General Education programme consists of lectures on the syllabus prepared for the purpose. The lectures are delivered on topics which are grouped under three broad fields-- Humanities, Social Science and Natural Science. Some of the topics on which talks were given are: (1) How to appreciate Poetry, Painting, Music? (2) Law and Liberty, (3) Prospects of Democracy in India, (4) Our Industrial Policy, (5) Heredity and Environment, (6) Social Psychology: Problems of Marriage, Social Prejudice, Leadership, Public Opinion, (7) Progress of Science and Scientific Method, etc.

A synopsis is given to the students before a lecture starts and reading material is suggested. Assessment of pupil performance is done through a series of periodical tests. A satisfactory performance at tests is considered necessary for a pass in the final examination of the Faculty.



#### 4. Staff

The staff of the department during the year consisted of one Co-ordinator in the Reader's grade, one clerk and one Class IV servant.

#### 5. Students

The total number of students under the General Education programme from the degree classes of the various Faculties were 1,056 (excluding 1,000 students of Preparatory classes, who had a different type of General Education programme). The details are as follows :

<i>Faculty/Institution</i>	<i>Class</i>	<i>Number of students</i>
Faculty of Arts	First Year	301
Faculty of Science	First Year	155
Faculty of Commerce	First Year	245
Faculty of Technology and Engineering	First Year	265
Faculty of Fine Arts	First Year	23
Faculty of Home Science	First Year	60
College of Indian Music, Dance and Dramatics	First Year	7

Total : 1,056

#### 6. Library

The department has no separate library but the students make use of Shrimati Hansa Mehta Library which maintains separate General Education section.

#### 7. Other Activities

(1) The department organised in August an exhibition of selected books useful in the General Education programme. The exhibition was inaugurated by Shrimati Hansa Mehta, the Vice-Chancellor of the University and was kept open for a week for the use of staff and students.

(2) The department organised several staff meetings in the faculties of Arts and Science to evaluate the General Education programme from time to time and to recognise the syllabus. Staff meetings played a very important role in giving a shape to the General Education programme.

(3) The Co-ordinator, Shri K. S. Yajnik attended the General Education Conference at Hyderabad where he submitted the report of the work done and outline of the future plans of work.

#### 8. Important Visitors

(1) Professor Richard Mekeon of the Chicago University, worked in the department for about a month in October, 1957 and discussed General Education problems with the various Faculties in meetings and seminars called for the purpose.

(2) Dr. A. L. McNeal, the Library Expert from the U.S.A. and Dr. F. Chandler Young, another General Education Expert from the U.S.A. visited the department in December, 1957 and January, 1958.

(3) Dr. F. Champion Ward of the Ford Foundation, on whose report the Foundation sanctioned a grant of \$ 4,30,000/- for the development of a General Education Centre in the University, visited the centre on the 9th and the 10th January, 1958.



## CHAPTER XXVII—STUDENTS' WELFARE ACTIVITIES

### 1. University Halls of Residence

#### (1) Buildings :

During the year, 1,036 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 1957-58 was 1,036 against 1,066 in the last year, as shown in the following statement :

Faculty or College	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Maharshi Arvind Hall	Shri Dadabhai Naoroji Hall	Dr. Jivraj Mehta Hall	Professor T. K. Gajjar Hall	Shri Keshavprasad Hostel	Shrimati Sarojini-devi Hall	Shrimati Hansa Mehta Hall	Total
1. Arts	7	10	11	7	9	7	0	22	0	73
2. Science	8	18	28	11	25	14	0	8	3	115
3. Commerce	12	12	10	6	11	3	0	0	0	54
4. Education & Psychology	0	7	10	14	4	7	0	7	2	51
5. Medicine	16	19	22	2	47	22	0	28	0	156
6. Technology & Engineering	45	26	32	15	39	80	26	1	0	264
7. Fine Arts	2	5	3	0	0	0	0	4	0	14
8. Home Science	0	0	0	0	0	0	0	120	0	120
9. Social Work	6	4	4	0	1	5	0	8	1	29
10. Intermediate College	24	33	25	11	12	19	0	27	0	151
11. College of Indian Music, Dance and Dramatics	1	3	0	1	0	0	0	4	0	9
Total :	121	137	145	67	148	157	26	229	6	1036

#### (3) Administration :

Administration of the halls was carried on by the Syndicate on the advice of the Advisory Committee of the Halls of Residence and the Wardens' Committee. One of the Wardens continued to work as 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) Central Committee, (2) Central Food Committee, (3) Central Committee for Cultural Activities, (4) Central Sports Committee, (5) Central Committee for Accounts and Auditing and (6) 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 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 and sports were arranged along with the Independence Day celebrations on the 15th August, 1957 and as well as on Annual



Day of the Hostels on the 15th February, 1958 and were in the high lights of the co-operative life of all the students. Following are some of the important items of interest :

1. A dinner was arranged on the 15th August, 1957, the Independence Day,
2. A general musical programme was held in Maharshi Arvind Hall on the 1st September, 1957,
3. A general celebration of Republic Day and dinners in different Halls were arranged on the 26th January, 1958 and
4. A fare-well dinner by the students of the halls to Shrimati Hansa Mehta, retiring Vice-Chancellor was arranged on the 9th March, 1958.

## 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. During the year under report the University arranged a medical check-up of 2655 students of which 2323 were boys and 332 girls.

## 3. Physical Education

### (1) 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 Superintendent also acts as the Ex-officio Secretary of the University Board of Sports.

### (2) Auxiliary Cadet Corps :

A.C.C. training is compulsory for all the first year and second year students of the University, except those who are selected for Major Games, Boating and N.C.C. In all 1564 students including 289 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 the University Week celebrations, A.C.C. boys and girls cadets took part in the ceremonial parades and annual sports. A special mass P. T. demonstration was also put up by the selected cadets at the time of the inauguration of the University Week by Shri Sri Prakash, Governor of Bombay.

### (3) Major Games :

During the year more than 400 students including girls 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, Badminton, Table Tennis, Throw Ball, Net Ball, and Teni-Koit. These activities were supervised and conducted by the Physical Instructors of the department and the Officers-in-charge of Cricket, Tennis, Badminton, Swimming and Boating.

### (4) Swimming and Boating :

The newly constructed Swimming Pool was declared open by Dr. Jivraj N. Mehta, Minister for Finance, Government of Bombay on the 13th October, 1957 and since then the swimming and diving activities are carried on regularly. More than 300 students including girl students participated in these activities. These activities were supervised and conducted by the Swimming Trainer and the Officer-in-charge Swimming. Boating activity was also organised and conducted by the Officer-in-charge Boating and the Boating Trainer throughout the year. 128 students participated in this activity. Swimming and Boating competitions were also held during the second term. Shrimati Hansa Mehta, Vice-Chancellor of the University gave away the prizes to the winners of various competitions.

### (5) University Teams :

Special training was given to the University Cricket, Hockey, Foot Ball, Volley Ball, Basket Ball, Kho-kho teams by the Physical Instructors and Officers-in-charge of respective games. Help of some experts of the respective games was made available to train the University teams in Cricket, Hockey, Foot Ball and Kho-kho.



(6) *Annual Sports :*

As a part of the University Week celebrations, Annual Sports were held on the 5th, 6th and the 7th December, 1957. In all 500 students—men as well as women—from various Faculties and Institutions participated in different track and field events with great interest. Separate competitions for the members of the staff were also held. Shrimati Hansa Mehta, Vice-Chancellor of the University gave away the prizes to the winners of various competitions.

(7) *Individual Championship Winners :*

Individual Championship in Athletics, Swimming and Boating was won by the students as under :

Winners	Faculty/Institution	Trophy
<i>Athletics</i>		
1. Shri M. S. Ukhade	College of Indian Music, Dance and Dramatics	Shield
2. Kumari Lata B. Parab	Faculty of Arts	Shield
<i>Boating</i>		
1. Shri R. H. Jani	Faculty of Commerce	Vice-Chancellor's Shield
2. Kumari Meena N. Captan	Faculty of Science	Vice-Chancellor's Shield
<i>Swimming</i>		
Shri V. H. Mistry	Faculty of Technology and Engineering	Vice-Chancellor's Shield

(8) *Inter-University Tournaments :*

This year the University teams participated in the Inter-University Cricket, Hockey, Foot-Ball, Volley Ball, Tennis, Badminton, Kho-kho (men and women), Hu-tu-tu, Athletics and Wrestling tournaments. The Cricket team defeated Poona in the semi-finals but lost to Bombay in the South Zone finals.

The Kho-kho team (men) won the Kho-kho championship by defeating Poona the last year's holders. This was the second time that the University Kho-kho team won this championship in three years. The Inter-University Badminton tournaments (South Zone and All India finals) were held at Baroda from the 15th to the 24th November, 1957 under the

auspices of the M. S. University of Baroda. In the men's tournament, Bombay, Poona, Nagpur, Karnatak, Andhra, Utkal, Gujarat, Sardar Vallabhbhai Vidyapeeth and Baroda participated and in the Women's tournament, Bombay, Poona, Gujarat, Nagpur and Baroda participated. The Bombay teams (men and women) won the All India finals.

(9) *Labour and Social Service Camps :*

According to the Scheme of the Government of India, Ministry of Education, the third Labour and Social Service Camp of 47 students and 4 staff members of this University was held at village Gavasad in Taluka Padra, District Baroda from the 11th to the 31st May, 1958. The campers completed the earth work of a 400 ft. long road connecting the village to Padra-Jambusar Road. Dr. C. S. Patel, the Pro-Vice-Chancellor of the University visited the Camp on the 29th May, 1958 and awarded certificates.

(10) *Participation in National Tournaments :*

This year four University students participated in the National Championships as under :

1. Sarvashri J. W. Ghorpade, Hemu Dalvi and Vijay Bhonsle participated in the Ranji Trophy National Cricket Championship.
2. Shri Atul C. Shah participated in the National Table Tennis Championship.

4. *National Cadet Corps*

During the year, the N.C.C. activities at the University were further expanded. The 6th Bombay Battalion, N.C.C. which was a three Company Bn. was expanded into a four Company Bn. The 5th Bombay Girls Troop, N.C.C. continued to work as a full-fledged Troop with three sections. The expansion of the 18th Bombay Engineering Platoon, N.C.C. from 60 cadets to 120 cadets was not granted by the N.C.C. Directorate, New Delhi. Owing to inadequate equipment and accommodation and paucity of permanent staff, further expansion was not granted. A detachment of the 20th Bombay Medical Company, N.C.C. was raised in the B. J. Medical College, Ahmedabad with a strength of one officer and 60 cadets. One more troop viz. 22nd Bombay Girls Troop was sanctioned with effect from November, 1957. The sanctioned strength of the new troop is 135 cadets and 2 officers and the troop is to be managed by the Officer Commanding, 6th Bombay Battalion, N.C.C. During the year the



Government of Bombay agreed to pay as grant 50% of the approved expenditure of Rs. 3,69,750/- on the buildings for the 6th Bombay Battalion, N. C. C., the 5th Bombay Girls Troop, N. C. C. and the 18th Bombay Engineering Platoon, N. C. C.

( 1 ) 6th Bombay Battalion, N.C.C.:

This Unit continued its activities during the year. The authorised strength of the Unit was 625 cadets. Regular parades were held twice a week on Sundays and Wednesdays. Two ceremonial parades were held in December, 1957 in connection with the N. C. C. Week and the University Week at which the Vice-Chancellor, Shrimati Hansa Mehta and Shri Sri Prakash, Governor of Bombay respectively took the salute. All local N. C. C. Units participated in the ceremonial parades.

The cadets were given extensive training in courses leading to B and C certificates. 142 and 17 cadets appeared and 73 and 12 passed in B and C certificate examinations respectively. 6 officers cadets who were deputed for Pre-commission training completed their training and joined the Unit.

1 N. C. C. officer and 23 cadet NCOs attended a Cadre Camp at Khadakwasala during October, 1957. 2 N. C. C. officers attended Refreshers' Training course at Kamptee during April, 1958. The Unit held its Annual Training Camp at Surat from the 24th December, 1957 to the 6th January, 1958. 6 N. C. C. officers and 400 cadets attended the Camp along with permanent staff of the Unit. The camp was visited by Dr. C. S. Patel, the Pro-Vice-Chancellor, Shri B. K. Zutshi, the Registrar and Professor N. M. Bhatt, Dean, Faculty of Science. Short cadets at regular intervals were conducted for the Regular Army Instructional staff throughout the period under report.

The Unit's team stood first in Circle shooting competition for all N. C. C. Units of Gujarat region during September, 1957 and also in Earl Robert shooting competition held at Nagpur. CSM Navarpurkar and CSM Kamdar of this Unit participated respectively in the Republic Day contingent at Delhi, and in Republic Day celebration at Bombay on the 26th January, 1958. The Unit has been vested with the command and control of the newly raised 22nd Bombay Girls Troop.

( 2 ) 5th Bombay Girls Troop, N. C. C.:

The Unit carried out its activities for the third year during the year. Its sanctioned strength is 135 Cadets. There was a great rush of the girl-

students for admission. One more troop viz. 22nd Bombay Girls Troop which is to be under the command of the Officer Commanding, 6th Bombay Bn., N. C. C., was sanctioned with effect from November, 1957.

N. C. C. training was provided upto third year course and 34 cadets were prepared for the G Part I certificate examination. From June, 1958, training facilities have been extended upto fourth year course and the cadets will be sent for G Part II certificate examination. The troop took part in ceremonial parades held at the inauguration of the N. C. C. Week and the University Week on the 1st and the 4th December, 1957 respectively and inspected by Shrimati Hansa Mehta, Vice-Chancellor and Shri Sri Prakash, Governor of Bombay.

The troop participated in the Annual Camp of Girls Division centrally arranged by No. 1 Circle at Mahabaleshwar from the 27th December, 1957 to the 7th January, 1958. 3 officers and 81 cadets attended the same. The troop was judged to be the champion troop for the year 1957-58. It also won the Inter-troop Drill Shield and the Line Dressing Cup. U/o Doring of this troop was declared as the best cadet of the Circle for the year 1957-58 and L/c Meenaxi Dighe as the best Morse Reader. 24 cadets passed out of 32 cadets who appeared for G Part I certificate examination held on the 18th and the 19th January, 1958. The cadets were taken for a Route March to Harni on the 22nd September, 1957 and they cleaned the water places of the village.

The troop held a function on the 28th August, 1957 when Shrimati Hansa Mehta, the Vice-Chancellor of this University gave away the G Part I certificates to successful candidates of January, 1957. The Troop Day was celebrated on the 19th February, 1958 when Shrimati Hansa Mehta, the Vice-Chancellor gave away the G Part I certificates to successful candidates of January, 1958, and the best Cadet Trophy to U/o Miss Doring. A fare-well was also accorded to the retiring Vice-Chancellor, Shrimati Hansa Mehta.

The following officers visited the troop during the year under report :

1. Lt. Col. D. S. Sidhu
2. Lt. Col. T. Cherian
3. Commander 1 NNHK VACHA Circle Commander No. 1 Circle C. C.
4. Lt. Col. J. D. Karurl Station Commander



The troop received a donation of Rs. 300/- from Shrimati Hansa Mehta, Vice-Chancellor and a grant of Rs. 1,000/- from the Vice-Chancellor's funds for silver trophies for 1. Best Cadet Trophy, 2. Best Rifle Shot Shield, 3. Best Morse and Signal Cup, 4. G Part I Trophy, 5. G Part II Trophy and 6. May Reader Cup. It also received an amount of Rs. 450/- from the Vice-Chancellor's fund for preparing a steel show case.

The troop was declared the Champion Troop and as the Best Girls Division Unit for Administration, etc. for the year 1957-58.

(3) 18th Bombay Engineering Platoon, N. C. C.:

The training was started on the 3rd July, 1957 and was continued till the 25th January, 1958.

During the foundation stone laying ceremony of the building for the Polytechnic by Dr. Rajendra Prasad, President of the Indian Republic, on the 30th September, 1957, the unit helped in maintaining order.

The Cadre Camp, for Potential N. C. C. NCO's Technical Training was held at Bombay Engrs. Group, Kirkee, Poona-3 for 19 cadets for 10 days from the 10th to the 20th October, 1957.

The Unit also took part in N.C.C. Day celebration and stood first in both .22 and .303 Inter-Unit Shooting competitions.

2. N.C.C. officers and 52 cadets attended the Annual Training Camp held at Bombay Engrs. Group, Kirkee, Poona-3 from the 24th December, 1957 to the 6th January, 1958. 17 out of 26 cadets passed 'B' certificate and 5 out of 5 cadets passed 'C' certificate examinations conducted by the Board of Officers from Corps of Engineers at the end of the camp.

As regards the administration, training, welfare, office working and camps, etc., this Unit was declared one of the Best Unit among the Technical Units in whole Bombay Circle and was awarded with the No. 1 Circle Cadet Corps Efficiency Shield for the year 1957-58.

(4) 20th Bombay Medical Company, N.C.C.:

The Unit was started on the 23rd July, 1956. The authorised strength of the Unit was 60 cadets and 1 officer during the year under report. A detachment of this Unit was raised in the B. J. Medical College, Ahmedabad, with a strength of 60 cadets and 1 officer. Regular parades started from the third week of June, 1957 and enrolment and discharge were completed by the 15th July, 1957. The Unit organised a combined Cadre Camp of

all Medical Companies at Ahmedabad in October-November, 1957. 10 cadets and 1 N.C.C. officer of the Unit attended the camp.

The Unit held its Annual Camp at Ahmedabad from the 23rd December, 1957 to the 5th January, 1958. It was attended by 2 officers and 78 cadets and was visited by Brigadier Ajitsingh Gurayu, Commander HQ 112 Infantry Brigade. 31 cadets passed out of 38 cadets who appeared for 'B' Certificate examination held in February, 1958.

The Unit was adjudged as 'Best Administered Technical Unit' for the year 1957-58 in the whole No. 1 Circle (Bombay State) and won the Circle's Efficiency Trophy.

(5) 22nd Bombay Girls Troop:

The Unit with a strength of 135 cadets and 2 officers was sanctioned with effect from the 4th November, 1957 in order to meet the additional demand from women students for enrolment in N.C.C. The troop is placed under the command and control of the 6th Bombay Battalion, N.C.C. As sanction was received late in February, 1958, the troop commenced working only from the 29th June, 1958, when the first parade with 84 cadets on roll was arranged. Services of 2/Lt. Shrimati H. K. Chavan of the 5th Bombay Girls Troop, N.C.C. were obtained. Two lady officers Cadets have been deputed for Pre-commission training at Delhi cantonment.

## 5. Students' Common Hall

The Students' Common Room is built in the campus of the Faculties of Arts, Science, Education and Psychology and Commerce, and the Intermediate College 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 advantage of the Common Room during the year. The Common Room provides reading materials like dailies, periodicals and a small collection of books, and also 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, social functions, lectures, indoor games and tournaments.



