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M.S. University of Baroda
Second
Annual Report
1950-51

Univ. no. July 52

The Maharaja Sayajirao University of Baroda



SECOND ANNUAL REPORT

1950-51

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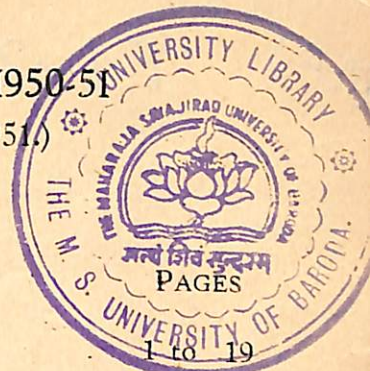
BARODA

SECOND ANNUAL REPORT 1950-51

(1st August, 1950, to 30th June, 1951)

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

The Maharaja Sayajirao University of Baroda



SECOND ANNUAL REPORT 1950-51

This report covers the period from 1st August 1950 to 30th June 1951 and is submitted to the Senate in accordance with Section 24 (2) of the Maharaja Sayajirao University of Baroda Act as amended by Bombay Act 52 of 1950.

CHAPTER I—GENERAL

1. Institutions in the University

- (a) CONSTITUENT INSTITUTIONS (Under Section 42 and 69 of the Act) managed by the University.
 - (1) FACULTY OF ARTS: Provides courses leading to the **degrees** of B.A., M.A. and Ph.D.
 - (2) FACULTY OF SCIENCE: Provides courses leading to the **degrees** of B.Sc., M.Sc. and Ph.D.
 - (3) FACULTY OF EDUCATION AND PSYCHOLOGY: Provides courses leading to the **degrees** of B.T., M.Ed. and Ph.D., as well as to the **Diploma** in Teaching. The University Experimental High School is attached to the Faculty as a practising school.
 - (4) FACULTY OF COMMERCE: Provides courses leading to the **degrees** of B.Com., M.Com. and Ph.D.
 - (5) FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING): Provides courses leading to the **degrees** of B.E. (Civil, Mechanical and Electrical), to **diplomas** in Civil, Mechanical and Electrical Engineering and in Textile Chemistry, Weaving Technology and Architecture and **certificate** courses for

Turners, Fitters, Wiremen, Carpentry, Dyeing, Weaving and Architecture. In addition the Faculty has a Technical High School attached to it.

(6) (a) FACULTY OF FINE ARTS: Provides courses leading to the **degree** of B.A. (Fine Arts) and **diploma** in Painting.

(b) College of Indian Music: Provides courses leading to the **degree** of B.Mus. and **diploma** in Music (Vocal and instrumental.)

(7) FACULTY OF HOME SCIENCE: Provides courses leading to the **degree** of B.Sc. (Home Science.) The Chetan Balwadi is attached to the Faculty for experiment and observation in Home Economics, Home Management etc.

(8) FACULTY OF SOCIAL WORK: Provides a post-graduate course leading to the **degree** of M.S.W.

(9) INTERMEDIATE COLLEGE: Provides courses leading to the examinations of First Year and Intermediate in Arts and Commerce.

(10) THE ORIENTAL INSTITUTE: Provides facilities for research work in Sanskrit and Ancient Indian Culture, and undertakes publication work in Gujarati, Marathi and Sanskrit.

(11) THE BARODA SANSKRIT MAHAVIDYALAYA: Provides elementary, Intermediate and Advanced courses in Yagniki, Ayurveda, Dharmashastra, Sanskrit Grammar and Astrology. This institution functions under the Faculty of Arts.

(b) CONSTITUENT INSTITUTION (Under Section 42 of the Act) but managed by the Government of Bombay.

(12) FACULTY OF MEDICINE (The Baroda Medical College): Provides courses leading to the **degree** of M.B.B.S.

(c) CONSTITUENT INSTITUTION RECOGNISED (Under Section 42 of the Act.)

(13) THE MUSEUM AND PICTURE GALLERY.

2. Number of students in the University

The following statement shows the number of students in the University on 30th June 1951:

STATEMENT SHOWING THE NUMBER OF STUDENTS IN THE UNIVERSITY ON 30-6-51

Institutions.	Post-graduate		Degree		Diploma		Certificate & Others		Total		Grand Total
	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.	Men	Women	
1. Faculty of Arts.	41	10	123	53	...	...	...	...	167	63	230
2. Faculty of Science	51	6	921†	63†	...	...	...	...	972	69	1041
3. Faculty of Education & Psychology	114	19	...	...	27	...	...	...	141	21	162
4. Faculty of Commerce.	25	...	118	...	10	...	...	...	153	...	153
5. Faculty of Medicine.	...	...	105	12	...	...	...	...	105	12	117
6. Faculty of Technology (including Engineering)	...	...	137	...	468	...	...	...	720	3	723
7. Faculty of Fine Arts.*	...	...	9	1	26	1	...	...	35	2	37
8. Faculty of Home Science.	...	...	...	58	...	...	...	...	...	58	58
9. Faculty of Social Work.	30	5	...	...	...	...	...	...	30	5	35
10. Intermediate College.	...	...	472§	78§	...	...	...	...	472	78	550
11. Music College.	...	...	5	6	141	35	...	...	146	41	187
12. Sanskrit Mahavidyalaya.	...	...	...	...	...	...	...	...	105	...	105
Total ...	264	40	1890	271	672	41	220	...	3046	352	3398

†Including Inter Science and F.Y. Science. ×M. Ed. 29 B. T. 100 Ph. D. 4 *Excluding Music College.
§F. Y. Arts, Inter Arts, F. Y. Commerce, Inter Commerce.

3. Special features of the period under report

- (1) The Maharaja Sayajirao University of Baroda Act, Baroda Act No. XVII of 1949 as amended by the Baroda State (Application of Laws) Order, 1949 and adopted and modified by the Adaptation of Laws Order, 1950 was further amended by Bombay Act 52 of 1950 and published as amended in 1951.
- (2) The Revision and re-drafting of the First Statutes and Ordinances as published in March 1950 and amended under Pamphlet No. 1 in September 1950 was passed by the Senate at its meeting on 16-2-1951 and published as Pamphlet No. 2.
- (3) Under the Act as amended, the School of Social Work became the Faculty of Social Work.
- (4) With a view to encourage Sanskrit learning, the University took over the management of the Baroda Sanskrit Mahavidyalaya from the Government of Bombay from 18th June 1951.
- (5) The University approved a scheme for the publication of a "Critical and Illustrated Edition of the Valmiki Ramayana" and a special department for this work was started in the Oriental Institute.
- (6) The first All India Conference of Teachers Training Colleges in India was held in Baroda on 23rd, 24th and 25th November 1950 under the Presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the Maharaja Sayajirao University of Baroda. Various State Governments and Universities of the country deputed Principals or Professors of their respective Training Colleges or Faculties as delegates to the Conference. Besides, a number of eminent educationists in the country participated in its proceedings. Dr. Poleman of the American Embassy attended the Conference.
- (7) His Highness Maharaja Pratapsinh Gaekwad of Baroda created Sir Sayajirao Diamond Jubilee and Memorial Trust with an endowment of Rupees two crores and nine lakhs. The Maharaja Sayajirao University of Baroda was made the sole beneficiary of the Memorial part of the Trust.
- (8) The University sanctioned a recurring grant of Rs. 3,000 for a period of five years for the Narmada Valley Archaeological Investigation Scheme to be undertaken in collaboration with the Deccan College Post-graduate and Research Institute.

- (9) The University sanctioned a grant of Rs. 1,000 to the Deccan College Post-graduate and Research Institute, Poona towards the compilation of the Directory of Sanskrit on historical principles.
- (10) The University sanctioned a grant of Rs. 1,000 to the Indian Institute of Education, Bombay, for the publication of the First Volume of Educational Research.
- (11) The University introduced new courses for First year Arts, Commerce and Science and for Intermediate Science from June 1951.
- (12) In May 1951 a party of 13 students from the various Faculties accompanied by Shri G. B. Pandya, Dean of the Faculty of Arts, and Shri Kanubhai Bhatt, Personal Clerk of the Vice-Chancellor, went on an expedition to climb the Pindari Glacier in the Himalayas. The Vice-Chancellor gave a grant of Rs. 1,700 for the purpose. The party returned after a month of extensive tour of the mountains. This tour was undertaken with the idea of infusing a spirit of enterprise and adventure in the students.

4. Appointment of Teachers

- (i) Appointments on the existing teaching posts:—The following appointments were made to some of the old posts which were vacant or which fell vacant during the year. (The date of joining is mentioned in brackets after the name):—

FACULTY OF ARTS

1. Professor of Economics Dr. S. Chandrasekhar, M.A., M.Litt. Ph.D. (15-6-51).

FACULTY OF TECHNOLOGY (including Engineering)

2. Senior Lecturer in Tele-Communications (for one year in place of Shri S. M. Sen). Shri A. B. Roy, B.E. (Elec. Communication). (7-2-51)
3. Junior Lecturer in Textile Chemistry. Shri S. S. Warty, B.Sc., B.A., (Hons.) B.Sc. (Tech.). (16-8-51)

FACULTY OF FINE ARTS

4. Reader in Sculpture Shri N. N. Chaudhary, B.A., Dip. in Arts (Shantiniketan). (21-12-1950)
5. Principal, College of Indian Music. Shri A. S. Vasu. (1-5-51).
6. Senior Lecturer in Vocal Music. Shri S. O. Shukla. (15-6-51).

FACULTY OF HOME SCIENCE

7. Senior Lecturer in Child Development. Miss R. Sadoc, B.A. Dip. in Teaching, Dip. in Nursery Edu. (Cornell).

(ii) Appointments on new teaching posts instituted during the year. The following new appointments which became necessary as a result of the re-organisation of teaching in some Faculties and the opening of new classes in the Faculties of Technology (including Engineering), Home Science, Fine Arts and Social Work, were made during the year under report on new posts duly instituted by the Senate :—

FACULTY OF ARTS

1. Professor of Sociology. Dr. M. N. Srinivasa, M.A., Ph D. (Oxon). (15-6-51).
2. Reader in Gujarati. Dr. B. J. Sandesara, MA., Ph.D. (1-3-51).
3. Senior Lecturer in Archaeology. Dr. B. Subbarao, M.A. LL. B., Ph.D., (11-9-1950).
4. Junior Lecturer in Hindi. Shri B. L. Sinha, M. A., B.T., L.L.B., (15-6-1951).
5. Junior Lecturer in History. Shri F. R. Dotiwala, M.A. (28-7-51)

FACULTY OF SCIENCE

6. Reader in Organic Chemistry. Dr. S. M. Sethna, M. Sc., Ph. D. (1-3-51)

FACULTY OF TECHNOLOGY (including Engineering).

7. Professor of Applied Mechanics and Structural Engineering. Prof. S. B. Junnarkar, B. A., B. Sc., (London), M. B. E. (on loan service for one year) (11-6-51).
8. Professor of Civil Engineering. Shri D. Subba Rao, B. E. (Civil.) A. M. I. E., (India), (11-6-51).
9. Lecturer in Geology. (Part-time). Shri. S. K. Pathak. (2-7-51).

FACULTY OF FINE ARTS.

10. Senior Lecturer in Applied Arts. Shri B. N. Puncholy, D. T. (First Class), G. D. Arts (Commercial), A. M., (15-6-51).
11. Junior Lecturer in Fine Arts. Shri. K. G. Subramanyam, B. A., (Hons), Dip. in Fine Arts (Santiniketan), (15-6-51).
12. Part-time Teachers. 1. Dr. H. Goetz, Ph.D. (Munich).
2. Shri V.L. Deokar, M.Sc., A.M.A. (London).

FACULTY OF HOME SCIENCE

13. Professor of Home Management. (Visiting Professor). Mrs. Allie Miller Holley., M. A., (Columbia). (A Visiting Professor from U. S. A.) (13-11-51).
14. Senior Lecturer in Food and Nutrition. Miss S. Chopra, B. Sc. (Oklahoma), M. Sc. (Ohio). (18-6-51).

FACULTY OF SOCIAL WORK

15. Professor of Mental Hygiene. Miss Olive Swoboda, M. A., (Columbia). (11-6-51).
16. Senior Lecturer in child Psychology and case work. Miss A. Menon, B. A. (Hons.) L. T., M. A. (Social Service Adm.) (Chicago). (11-6-51).
17. Senior Lecturer in Field Work. Miss I. D. Malani, B. Sc., M. Sc., (Oklahoma) M. S. (Michigan). (21-6-51).

18. Junior Lecturer in Social Pathology. Shri V. Gopalan, B. Sc., M. A., (Social Work) (Delhi). (13-11-50)
19. Junior Lecturer in Rural Welfare. Shri S. Dasgupta, B. A., Dip. in S. S. A. (1-5-51).
20. Junior Lecturer in Social Research. Shri P. T. Thomas, B. A., Dip. in S. S. A. (11-6-51).

Over and above the permanent staff the following persons were appointed as visiting teachers in the Faculty :—

Shri N. Kaikobad.
Shri P. D. Kulkarni.
Miss D. Pentz.
Shri M. C. Nanavaty.

(iii) List of teachers who left the University during the year :—

FACULTY OF TECHNOLOGY (INCLUDING ENGINEERING)

1. Dr. D. G. Kale. Junior Lecturer in Textile Chemistry. (Retired).

FACULTY OF ARTS

2. Dr. I. G. Patel. Professor of Economics (Resigned).

FACULTY OF FINE ARTS.

3. Shri P. K. Dasgupta. Reader in Sculpture (Resigned).
4. Shri H. R. Doctor. Principal, College of Indian Music, (Resigned).

FACULTY OF HOME SCIENCE

5. Mrs. Savita Parekh. Sr. Lecturer in Child Development (Resigned).

5. Finances of the University, donations, endowments etc. :—

(1) WOMEN'S EDUCATIONAL TRUST FUND, BARODA.

As stated in the last report a sum of Rs. 22,364 was due from the Government of Bombay according to the promise given by the

Baroda Government to make a grant of an amount equal to the donation raised by the Trustees from the public. The Trustees further collected a sum of Rs. 20,000 from the Kelvani Trust Fund, Baroda. The corresponding total amount of Rs. 42,364 was received from the Government on 30-3-1951.

The Trustees transferred during the year a sum of Rs. 1,22,332-10-3 to the University account keeping only a sum of Rs. 6,659-13-5 with them.

(2) U. N. APPEAL FOR CHILDREN FUND

A sum of Rs. 1,02,322-7-3 was received from the Indian National Committee of the United Nations Appeal for Children Fund, New Delhi and was invested in Government Securities. The interest from the Fund is to be utilized for the benefit of poor children.

(3) SIR SAYAJIRAO DIAMOND JUBILEE AND MEMORIAL TRUST

The University has been made the beneficiary of the Fund according to the Trust Deed and a grant of Rs. 2,25,000 was received from the Trust during the year under report.

(4) CHARITABLE AND MEMORIAL FUNDS

The question of transferring to the University the corpus of the Charitable and Memorial Funds, which formerly belonged to the institutions now transferred to the University and which was with the Deputy Accountant General, Baroda, was not decided by Government till the end of the year.

(5) RECEIPTS AND EXPENDITURE

Figures of receipts and expenditure of the University as well as of the different Faculties and Institutions subject to Annual audit for the period 1-8-1950 to 30-6-1951 have been given as statements I, II and III.

STATEMENT No. I.

Receipts and Expenditure of the University for the period
1-8-1950 to 30-6-1951.

RECEIPTS.	Rs.	as. p.	EXPENDITURE	Rs.	as. p.
Tuition fees, and other income from Faculties.	3,93,351-	2-9.	Uni. office establishment	1,08,637-	0-3
Examination Fees.	83,531-	4-0.	Examination charges.	1,01,003-	15-5
Other fees.	38,906-	2-0.	Purchase of Deadstock and Repairs.	2,929-	5-6
Income from publications.	9,043-	10-9.	University Library.	67,311-	7-0
Government grant.	12,06,000-	0-0.	Publications.	9,500-	0-0
Grant from Sir Sayajirao Diamond Jubilee & Memorial Trust.	2,25,000-	0-0.	Information and Publicity.	8,688-	3 0
			Travelling Allowance.	17,609-	7-7
Interest on cash balance.	6,728-	8-6.	Printing and Stationery.	27,433-	8-3
Income from Endowment.	15,704-	15-6.	Physical Education Department.	25,482-	14-0
Hostel Fees.	34,756-	11-0.	Maintenance of buildings and roads.	37,846-	7-6
Income from use and occupation of University quarters and Bungalows including rent for furniture.	21,772-	15-3.	Maintenance of Gardens.	15,206-	13-9
Income from lease of land & trees.	4,297-	2-0.	Municipal Rates & Taxes and charges	1,432-	11-9
Miscellaneous income.	4,344-	9-3.	Univesity	457-	8-0
			Contribution to Provident Fund	20,43,437-	1-0

Less excess of disbursements over receipts of the last year (1949-50) Deficit.

	91,775-4-2	Study Leave	9,235-0-0
		Research staff	2,750-0-0
		Miscellaneous	46,964-6-0
	19,51,661-12-10	Faculties	14,13,729-3-0
Add excess of disbursements over receipts (1950-51) i. e. Deficit.	1,251-10-5	Hostels	56,695-8-3
Grand Total	19,52,913-7-3		19,52,913-7-3

STATEMENT No. II.

Statement showing the Receipts and Expenditure of the Faculties and Institutions for the period 1-8-50 to 30-6-1951.

Faculty	Receipts	Expenditure
	Rs. as.p.	Rs. as.p.
Faculty of Arts	72,191- 9-0	2,25,528- 8-0
Faculty of Science	1,65,552- 8-0	2,95,024-10-3
Faculty of Education and Psychology (including Experimental High School)	32,281-10-0	1,13,216- 7-6
Faculty of Commerce	54,869-12-0	60,894- 6-1
Faculty of Technology (including Engineering).	1,11,097- 0-9	4,08,334- 1-6
Faculty of Fine Arts	3,962- 0-0	63,347- 8-0
Faculty of Home Science	9,278- 8-0	63,908-10-6
Faculty of Social Work	1,214- 0-0	38,373-13-3
*Oriental Institute	...	53,454- 9-9
College of Indian Music	5,494- 5-0	54,715-12-6
§Intermediate College (Arts and Commerce)	69-14-0	35,485- 3-8
Baroda Sanskrit Mahavidyalaya	...	1,445- 8-0
	4,56,011- 2-9	14,13,729- 3-0
Less 15% of Tuition fees for awarding Freeships.	-62,660- 0-0	
Total	3,93,351- 2-9	

*The receipts are shown under income from Publications in the University Office Budget.

§The Tuition fees of the Intermediate College (Arts and Commerce) are shown in the Faculties of Arts and Commerce, respectively.

STATEMENT No. III

Accounts 1950-51

Capital Account No. 1-A

TEXTILE TECHNOLOGY DEPARTMENT

	Rs.	as. p.		Rs.	as. p.
Opening Balance	35,75,804-	8-6	Expenditure	Nil.	
Interest	1,07,340-	7-3	Closing Balance	37,00,212-	10-3
Refund of Income Tax	17,067-	10-6			

Capital Account No. 1-B

CONSTRUCTION AND EQUIPMENT OF THE ENGINEERING COLLEGE

Opening Balance	22,29,148-	11-11	Expenditure	2,64,193-	15-0
Interest	65,937-	5-4	on building		
Refund of Income Tax	11,818-	2-0	On equipment	2,38,750-	3-11
			Less on sale of securities	55,322-	10-0
	23,06,904-	3-3			
			Closing Balance	5,58,266-	12-11
				17,48,637-	6-4
				23,06,904-	3-3

Capital Account No. 1-C

DEPARTMENT OF BANKING

Opening Balance	5,10,896-	15-6	Expenditure	2750-	0-0
Interest	15,334-	6-0	Scholarship for Banking		
Refund of Income Tax	2,370-	7-6	Closing Balance	5,25,851-	13-0
	5,28,601-	13-0		5,28,601-	13-0

Capital Account No. 1-D

RESEARCH IN ARURVEDA

Opening Balance	5,10,896-	15-6	Expenditure	Nil.	
Interest	15,334-	6-0	Closing Balance	5,28,601-	13-0
Refund of Income Tax	2,370-	7-6			
	5,28,601-	13-0			

Capital Account No. 1-E

POST-GRADUATE INSTRUCTION AND RESEARCH

Opening Balance	29,46,297-	9-1	Expenditure	Nil.	
Interest	87,722-	0-0	Closing Balance	30,47,211-	9-7
Refund of Income Tax	13,192-	0-6			
	30,47,211-	9-7			

CAPITAL ACCOUNT No. II.

Construction and Equipment of Colleges, Hostels etc.

RECEIPTS	Rs.	as. p.	EXPENDITURE	Rs.	as. p.
Opening Balance.			1. Addition to Technological Institute.	20,620-	5-0
Interest on fixed Deposits.	32,54,594-	9-6	2. Constructing a hall over the Science. Institute--	33,666-	10-0
Interest on Securities.	43,728-	9-0	3. Additions during the year.	43,995-	14-5
Refund of Income Tax.	15,485-	4-0	4. Constructing a hall in the Intermediate College.	11,627-	9-3
	3,992-	10-0	5. Water supply scheme for University Campus.	5,73,947-	7-0
	33,17,801-	0-6	6. Construction of buildings.	1,93,731-	6-0
			(a) For University Hostels.	59,993-	14-0
			(b) For Women's Hostels.	73,579-	0-9
			(c) For Faculty of Fine Arts.		
			7. Constructing a hall over the Western Wing of the Science Institute.	17,000-	0-0
			8. Purchase of equipment and furniture.	4,589-	13-3
			(a) Faculty of Science.	8,637-	15-9
			(b) Faculty of Fine Arts.	6,555-	14-0
			(c) University Office.	3,041-	14-9
			(d) Faculty of Social Work.	2,912-	0-9
			(e) College of Indian Music.	23,700-	8-0
			(f) Women Students' Hostels.		
			9. Special repairs to buildings and roads.		
				Rs.	10,77,620- 4-11
				Closing balance	22,40,180-11- 7
				Total	33,17,801- 0- 6

CAPITAL ACCOUNT No. III.

Women's Educational Trust Fund.

RECEIPTS

EXPENDITURE

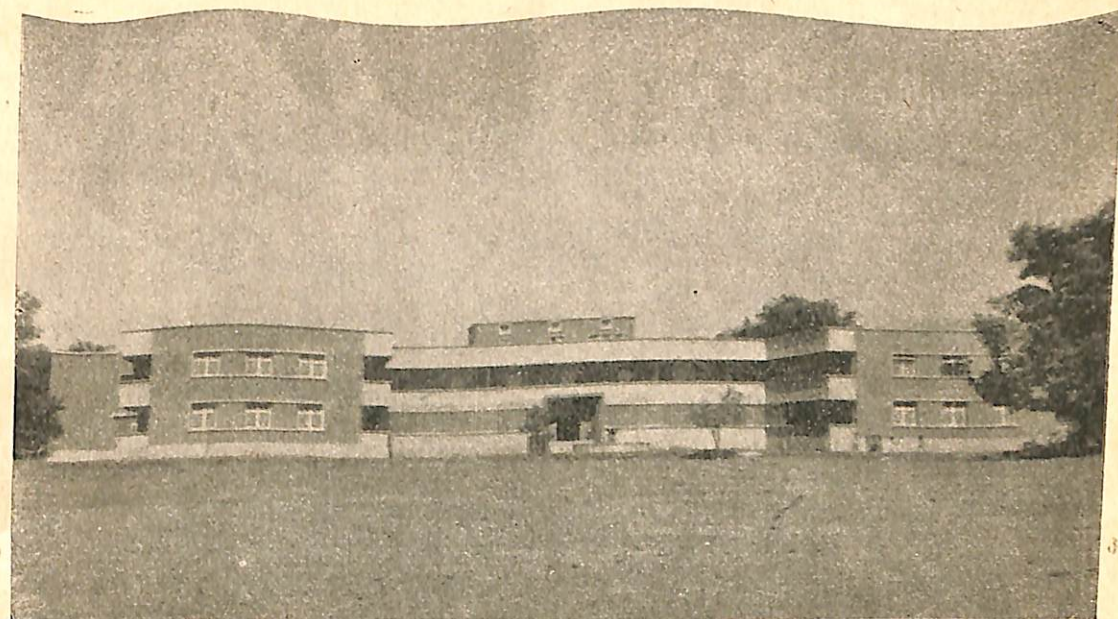
	<i>Rs.</i>	<i>as.</i>	<i>p.</i>		<i>Rs.</i>	<i>as.</i>	<i>p.</i>
Opening Balance.	5,03,652	12	4	Equipment and furniture of the Faculty of Home Science.	24,076	9	5
Amount transferred by the Trustees to the University.	1,22,332	10	3	Amount transferred for Maintenance of Home Science Faculty.	12,954	15	6
Interest.	12,954	15	6				
	6,38,940	6	1		37,031	8	11
				Closing Balance	601,908	13	2
					Rs. 638,940	6	1

6. University Construction Division.

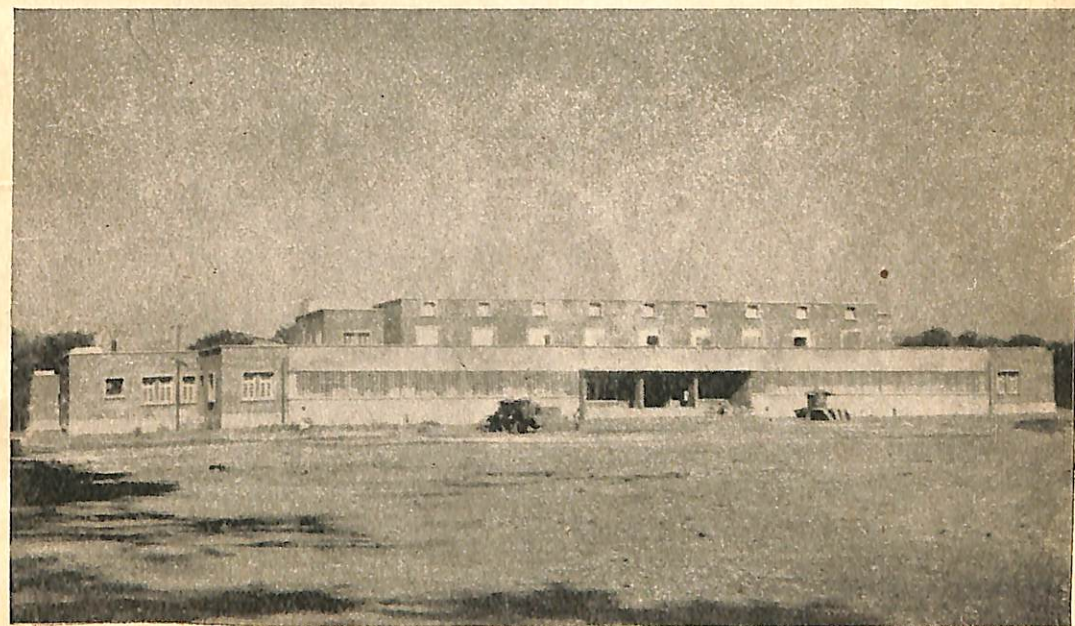
Shri N. B. Patel, B. E., Deputy Engineer, Government of Bombay whose services were loaned by the Bombay Government to the University, was in charge of the Construction Division of the University during the year under report. The services of four overseers were also taken on loan from the Bombay Government during the year to supervise the construction of University Hostels for Men and Women, the Engineering College and the studios for the Faculty of Fine Arts.

2. Original works completed.

	<i>Rs.</i>	<i>as.</i>	<i>p.</i>
(i) Electric Installation in the Radio Laboratory and Drawing Hall No. 2 in Kalabhavan.	6,809	3	6
(ii) Annexe to Kalabhavan for the proposed Engineering College upto plinth.	50,735	2	0
(iii) Providing Electric installation in Drawing Hall No. 1 and Electric Laboratory in Kalabhavan.	5,485	4	9
(iv) Constructing a hall over the eastern wing of the Science Institute.	33,666	10	0



University Boys' Hostel No. II



University Women's Hostel

- | | <i>Rs.</i> | <i>as.p.</i> |
|---|------------|--------------|
| (v) Adding a hall over the workshop in the Technological Block. | 15,397- | 8-0 |
| (vi) Electric wiring in the additional portion of Technological Block. | 4,538- | 0-0 |
| (vii) Constructing a hall in Intermediate College. | 43,995- | 14-5 |
| 3. Original works in progress. | | |
| (1) Constructing Engineering College. | | |
| (i) The ground floor of the building was practically completed and some of the rooms were given for use to the College. | 2,34,264- | 9-9 |
| (ii) University Hostels for Men : 2 Blocks | | |
| Ground floor of the University Hostel I was completely ready and the same was given over for use as hostel. The main work on the first floor was also completed. Only the work on 2nd floor the R. C. C. tank and the finishing on the 1st floor was remaining. The ground floor of the University Hostel II was practically ready and work in the first floor was in progress. | | |
| (iii) Women's Hostel. | | |
| Only half of the building was completed. | 1,93,731- | 6-0 |
| (iv) Two studios for the Fine Arts Faculty. | | |
| The Painting Studio was completed and was given over for use to the Faculty. The cellar portion of the Sculpture Studio was completed. Further work could not be done on account of the Electric line coming in the way. | | |
| (v) Constructing a hall over the Western Wing of the Science Institute. | | |
| The whole work was completed, except electric | | |
| | 73,579- | 0-9 |

and some laboratory fittings, and the hall was given over for use to the College. *Rs. as.p.*

(vi) Water supply scheme for the University Campus.

During the year Water Supply by the University was put in operation for the University Hostels I and II. The tank on the Baroda College building which supplied water to all the Institutions to the South of the Nala was also renovated. An additional pump has also been put up at the Ketkibag well 11,6 7- 9-3

4. Work of additions and alterations.

Special repairs (additions and alterations) chargeable to Capital Budget were carried out in the year under report as shown below :—

	Revised Budget	Expenditure.
	<i>Rs.</i>	<i>Rs. as. p.</i>
(i) University office and Residential Bungalows.	17,500	12,683- 5-9
(ii) Faculty of Science.	5,000	371-12-0
(iii) Faculty of Education and Psychology.	2,500	165- 0-0
(iv) Faculty of Commerce.	300	200-14-0
(v) Faculty of Technology (including Engineering)	1,500	530- 7-0
(vi) Faculty of Home Science.	4,000	5,875-14-3
(vii) Faculty of Social Work.	6,000	4,074- 1-0
(viii) Miscellaneous.	700	—

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

The Syndicate, under Resolution No. 26 (1) dated 17-3-1950, decided to place all the gardens of the University, except the Botanical Gardens, in charge of the University Engineer for purposes of maintenance. Accordingly

the charge of the gardens has been taken by the University Engineer on 23-4-1951.

Owing to the closing of booking from time to time and due to the shortage of wagons and petrol, the progress of building works was hampered inspite of the best efforts made by the University Engineer.

7. Examination Section.

The Examination Section was put under the Special Officer Shri S. N. Mukerjee in December 1950, and was shifted to S. T. T. College building. Throughout the year the office worked there. The Examination results of the University Examinations 1951 are given below :—

STATISTICAL TABLE

Results of University Examinations : 1951

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Sr. No.	Examinations	No. appeared			Number passed										Grand Total	Percentage of passes
					1st Class		2nd Class		Pass Class		Total					
		Men	Women	Total	Men	Women	Men	Women	Men	Women						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1	First Year Arts	167	38	205	...	...	14	4	84	28	98	32	130	63.4
2	Inter Arts	199	55	254	...	...	13	4	62	29	75	33	108	42.5
3	B. A. (Honours)	55	14	69	4	1	20	9	18	3	42	13	55	80.9		
4	B. A. (General)	23	...	23	...	...	...	...	9	...	9	...	9	39.0
5	M. A.	13	1	14	...	...	...	1	5	...	5	1	6	42.8
6	First Year Science	373	17	390	11	1	96	4	164	6	271	11	282	72.3		
7	Inter Science	351	28	379	27	2	109	16	66	2	202	20	222	58.5		
8	B. Sc. (Sub.)	88	6	94	73	6	73	6	79	84.0		
9	B. Sc. (Prin.)	72	8	80	1	...	17	2	36	6	54	8	62	77.7		
10	M. Sc.	13	2	15	2	1	5	...	7	1	8	53.3		

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11	T. D.	26	1	27	1	24	1	25	1	26	96.3	
12	B. T.	86	19	105	...	3	44	4	29	12	76	17	93	88.6	
13	M. Ed.	26	6	32	3	1	11	3	14	4	18	56.2	
14	First Year Com.	87	...	87	6	...	15	...	45	...	66	...	66	76.0	
15	Inter Commerce.	246	...	246	1	...	8	...	105	...	114	...	114	46.0	
16	B. Com.	85	...	85	2	...	20	...	28	...	50	...	50	58.8	
17	First M. B. B. S.	37	3	40	...	...	...	...	28	2	28	2	30	75.0	
18	Diploma Mechanical Engineering	15	...	15	2	...	8	...	2	...	12	...	12	80.1	
19	Diploma Electrical Engineering	18	...	18	1	...	11	...	5	...	17	...	17	94.4	
20	Diploma Civil Engineering	17	...	17	...	...	11	...	2	...	13	...	13	76.47	
21	Diploma Textile Chemistry.	18	...	18	3	...	9	...	4	...	16	...	16	88.8	
22	Diploma Weaving Technology	7	...	7	3	...	4	...	...	...	7	...	7	100.0	
23	Diploma Architecture.	1	...	1	...	...	1	...	...	...	1	...	1	100.0	
24	F. E.	86	...	86	...	...	13	...	30	...	43	...	43	50.0	
25	S. E. (Civil)	4	...	4	...	...	2	...	1	...	3	...	3	75.0	
26	S. E. (Mech. & Elec.)	4	...	4	...	...	2	...	1	...	3	...	3	75.0	

CHAPTER II

(Officers and Authorities of the University)

1. OFFICERS:

(i) *The Vice-Chancellor.*

Shrimati Hansa Mehta, B.A. (Hons.), M.C.A., M.L.C. (Bom.) continued as the first honorary Vice-Chancellor of the University. She was granted duty leave from 11th April, 1951 to 31st May, 1951 to enable her to represent India at the meeting of the United Nations Human Rights Commission at Geneva.

(ii) *The Pro-Vice-Chancellor.*

Professor A.R. Wadia, B.A. (Bombay and Cantab), Barrister-at-law continued as the first Pro-Vice-Chancellor of the University. He was granted privilege leave for two months from 1st May, 1951 to 30th June, 1951 to go abroad for attending the International Rotary Assembly and Convention in U.S.A.

(iii) *The Registrar.*

Shri K.R. Pandya, M.A. took charge as Registrar on 2-8-50. He worked on the post till 2-11-50 and resigned on 4-11-50. His resignation was accepted and Shri B.K. Zutshi, M.A.L.L.B. was appointed as Registrar. He took charge of the Registrar's post on 15th February, 1951 and is working since then. During the interim period, Shri. K.J. Majmudar, M.A.B.T., Assistant Registrar, officiated as Registrar.

2. THE SENATE:

The life of the first Senate and the Syndicate nominated by the Government of Baroda under Section 67 of the Act for a period of two years from 30-4-49 expired on 2-4-51. But, due to the delay in the necessary legislation for the amendment of the Act, necessary preliminaries for the elections to the New Senate and the Syndicate could not be completed in time. The Government of Bombay accordingly extended the life of the first Senate and the Syndicate upto 31st October, 1951.

The Members of the Senate continued to be the same with the changes as shown below :-

1. Dr. M.A. Buch, Shri H.R. Doctor, Shri L.B. Shastri and Dr. M.D. Avsare ceased to be members on account of their retirement from service.
2. Dr. C. S. Patel ceased to be a member as he was transferred from the post of the Director of Technological Institute, Baroda, to Bombay.
3. Shri V.K. Gokak resigned his membership.
4. Shri. M.K. Jadhav, Shri B.N. Sarkar and Shri. C.V. Bhatt, were replaced by the officers of the corresponding departments of the Government of Bombay, Shri N.G.K. Murti, Dr. A.J. Daji, and Shri. D.N. Kaushik respectively.
5. Dr. J.M. Mehta, who continued to represent the Head of the Department of Education retired from Bombay Service, and was replaced by Shri S.S. Bhandarkar, but, later on, he was again nominated on the Senate in the seat vacated by Shri V. K. Gokak.
6. Three members of the Senate namely Shri D.N. Kaushik, Shri Rasoolkhan Pathan and Dr. Anant H. Pandya expired during the year.

3. THE SYNDICATE:

During the year, the Syndicate consisted of the following members:-

1. Shrimati Hansa Mehta—*Vice-Chancellor*
2. Prof. A. R. Wadia —*Pro-Vice-Chancellor*
3. Shri S. S. Bhandarkar
4. Hon'ble Dr. Jivraj N. Mehta
5. Prof. K. T. Shah
6. Shri C. J. Sutaria
7. Shri G. M. Tambe
8. Shri M. M. Jhala
9. Prof. S. B. Junnarkar
10. Dr. A. N. de Quadros
11. Dr. M. D. Patel
12. Prof. T. K. N. Menon
13. Shri R. B. Amin.

Shri M.M. Jhala resigned in December, 1950, and as the term of the Syndicate was nearing completion it was not considered necessary to approach Government to fill up the vacancy.

CHAPTER III

The Senate

During the period under report, three Meetings of the Senate were held on (i) 30th September, 1950, (ii) 16th February, 1951 and (iii) 23rd June 1951 respectively.

(i) At the meeting of the Senate on 30th September 1950, the revised budget estimates for the year 1949-50 and the Budget Estimates for the year 1950-51 were passed. The report of the Syndicate on the recommendations of the University Education Commission appointed by the Government of India under the Chairmanship of Professor S. Radhakrishnan was also discussed and the Senate passed resolutions on it as under :—

“The Senate are in general agreement with the recommendations of the University Education Commission except on the questions noted below:—

NOTE:—The letters ‘A’ and ‘B’ printed in the margin denote the following:—

A: Recommendations of the University Education Commission.

B: Recommendations of the Syndicate.

I. TEACHING STAFF

A. Recommendation 24 (10) that the age of retirement be ordinarily 60 but extensions be allowed upto 64 in the case of a Professor.

B. It was not thought desirable to have a hard and fast rule about the age of retirement. The age of retirement should continue to be 55 but extensions may be given in suitable cases.

II. STANDARDS OF TEACHING

A. Recommendation 63 (5):—To avoid overcrowding at Universities and Colleges, the maximum number in the Arts and Science faculties of a teaching University be fixed at 3,000 and in an affiliated college at 1,500.

B. The maximum number of students in an affiliated College should be 1,000 and not 1,500.

A. Recommendation 63 (6):—The number of working days be substantially increased to ensure a minimum of 180 in the year, exclusive of examination days, with three terms, each of about 11 weeks' duration.

B. The number of terms may be 2 or 3 and that the minimum of 180 working days exclusive of Examination days should imply 1,000 working hours.

A. Recommendation 63 (8):—There be no prescribed text-books for any courses of study.

B. There should be no prescribed text-books except in languages. But there should be detailed syllabuses in all subjects.

A. Recommendation 63 (11):—University libraries be greatly improved by:—

- (a) larger annual grants;
- (b) the introduction of the open access system;
- (c) longer hours of work;
- (d) better organisation; and,
- (e) a well-trained staff which should include reference assistants.

B. The open access system in a library, though desirable, is not always possible.

III. COURSES OF STUDY

A. Recommendation 18 (1):—Students be admitted to colleges and Universities in the faculties of arts and sciences, and to such professional schools as do not require more advanced preparation, after successful completion of 12 years of schooling or its equivalent; that is, after they have passed the qualifying test which will correspond to the present intermediate standard.

B. A University should be free to organise its own test admission in addition to S. S. C. examination.

A. Recommendation 18 (2):—The Master's degree be given to Honours students after one year of study beyond the Bachelor's degree, and to pass students after two years beyond the Bachelor's degree.

B. That the Master's degree be given only as a result of an examination.

IV. MEDIUM OF INSTRUCTION

A. Recommendation 58:—We recommend:—

1. that the Federal Language be developed through the assimilation of words from various sources and the retention of words which have already entered into Indian languages from different sources, thereby avoiding the dangers of exclusiveness;
2. that international technical and scientific terminology be adopted; the borrowed words be properly assimilated, their pronunciation be adopted to the phonetic system of the Indian language and their spelling be fixed in accordance with the sound symbols of Indian scripts;
3. that for the medium of instruction for higher education, English be replaced, as early as practicable, by an Indian language which cannot be Sanskrit on account of vital difficulties;
4. that (i) pupils at the Higher Secondary and University stages be made conversant with three languages, the regional language, the Federal Language and English (the last one in order to acquire the ability to read books in English); and
(ii) higher education be imparted through the instrumentality of the regional language with the option to use the Federal language as the medium of instruction either for some subjects or for all subjects;
5. that for the Federal language and script, Devnagari be employed and some of its defects be removed;
6. that immediate steps be taken for developing the Federal and Regional languages;
 - (i) A Board consisting of scientists and linguists be appointed to prepare a scientific vocabulary of words which will be common to all Indian languages and also to arrange for the preparation of books in different sciences to be rendered into all Indian languages;
 - (ii) Provincial Governments be required to take steps to introduce the teaching of the Federal language in all classes of Higher Secondary Schools, in Degree Colleges, and in Universities;
7. that English be studied in High Schools and in the Universities in order that we may keep in touch with the living stream of ever-growing knowledge.

B. Hindi be made compulsory for four years in High Schools, and all teachers and students in the Universities should be directed to study Hindi and the regional language concerned so that after five years it may be possible to decide whether the official language mentioned in section 343(1) of the Indian Constitution or regional language should be the medium of instruction in Universities.

V. EXAMINATIONS

A. Recommendation 12 (4):—Examiners should be selected with great care. No one should serve as an examiner in a subject which he has not taught for at least five years.

Three years should be the limit of continuous service as an external examiner for the first degree examination. After a break of three years, service may be permitted again.

B. The Senate did not agree with the recommendation of the Commission and were in favour of substituting the words 'Examiners should generally be people who have taught for five years.'

A. Recommendation 12 (6):—The standards for success at the examination should, as far as possible, be uniform in the various Universities and should be raised. We suggest that a candidate should get 70% or more marks to secure a first class, 56 to 69% for a second and at least 40% for a third. The students will be arranged in alphabetical order in each of the three classes.

B. The Senate was in favour of publishing the results in first class in order of merit.

A. Recommendation 12 (7):—In view of the other recommendations made by us, especially the one requiring due regard being paid to work during the course, we recommend that the system of awarding grace-marks be abolished for the first degree and all higher examinations.

B. In the opinion of the Senate grace-marks may have to be given. It should be possible for teaching Universities to adopt the system by which credit may be given to students for work done by them during the course of their studies.

A. Recommendation 12(8):—Viva-voce examinations should be employed only for post-graduate and professional degrees. They should be designed, however, to test the candidates' competence in the fundamentals of the field of study to which the problem of his research belongs.

B. The Senate was of the opinion that there should be a Viva-voce-Examination for the Post-graduate examinations.

VI. STUDENTS, THEIR ACTIVITIES AND WELFARE

A. Recommendation 84 (2):—In the first degree stage, the widest possible variety of courses be offered to enable local students, qualified to benefit by an education, to have opportunities which would otherwise be denied.

B. The Senate was of the opinion that there should be co-ordination among Universities even for first degree courses—especially in subjects taken by a few students.

A. Recommendation 84(4):—Scholarships be awarded by examinations on a basis of merit to gifted but financially needy students.

B. The Senate was of the opinion that if examinations for scholarships are to be held, the scholarships should be awarded on the basis of merit only; and so the words "to gifted but financially needy students" should be deleted.

A. Recommendation 84 (6):—All Universities, with or without Medical Colleges, must have hospitals and dispensaries for students' service.

B. The Senate was in favour of providing for the purchase of spectacles etc.

A. Recommendation 84 (25):—There be manoeuvres in the summer in which Army and Air Units work together; that Naval Units take cruises in the summer.

B. In the opinion of the Senate summer in India is not suitable for Naval Cruises.

A. Recommendation 84 (41):—University Unions should be as free as possible from political activities.

B. The Senate is of opinion that the University Union should be as free as possible from partisan political activities.

A. Recommendation 84 (43):—The Union be operated by the students without interference of University Authorities.

B. The Senate is in favour of omitting the words "without interference of University Authorities."

A. Recommendation 84 (44):—Students be encouraged to take interest in good government but not in party politics.

B. The Senate agreed that students be encouraged to take interest in good government; but that it is not desirable for students to take active part in partisan politics.

VII. CONSTITUTION AND CONTROL

A. Recommendation 66 (10):—The authorities of the University be as follows:—

- (a) The Visitor (The Governor-General);
- (b) The Chancellor (generally the provincial Governor);
- (c) The Vice-Chancellor (a whole time officer appointed according to the methods indicated);
- (d) The Senate (Court);
- (e) The Executive Council (Syndicate);
- (f) The Academic Council;
- (g) The Faculties;
- (h) The Boards of Studies;
- (i) The Finance Committee; and
- (j) The Selection Committees.

B. The Senate is not in favour of having the President of India as the Visitor in all Universities nor is it in favour of having a uniformity of bodies in all Universities e-g. a whole time Vice-Chancellor or the Academic Council.

VIII. FINANCE

A. Recommendation 24 (1):—The State should recognise its responsibility for the financing of higher education;

(2) that the aid to private colleges should be for buildings and equipment as also for the recurring expenditure, the latter to be on a uniform basis, say half of the present teachers' salaries and a third of other approved expenditure;

(3) that steps be taken to amend Income-Tax-Laws to encourage donations for educational purposes;

(4) that additional grants be made to colleges and Universities in order to enable them to give effect to our recommendations;

(5) that the Government should contribute an additional annual amount of about ten crores for the development of University education during the next quinquennium;

(6) that the University Grants Commission be set up for allocating grants.

B. The recommendations of the Commission were generally approved by the Senate with the proviso that the Government grants should be in consonance with the autonomy of Universities.

IX. PROFESSIONAL EDUCATION

(A) *Engineering Technology.*

A. Recommendation 44 (6):—that wherever possible, the existing Engineering and Technological Colleges be upgraded for post-graduate training and research in selected subjects. This requires a class of teachers with different upbringing habits and service conditions from than the present staffs; hence it may not always be possible to upgrade the present institutes.

B. Upgrading the Departments should be possible if not the present institutes.

A. Recommendation 44 (7):—that steps be taken to start without delay the higher technological institutes as recommended by the Higher Technological Education Committee, for training much needed Engineer-Scientists and design and development engineers.

B. In connection with the higher technical institutes the number of students should not exceed 1,000. These Institutions should provide for post-graduate training and for under-graduates training only in subjects which are not provided for in the existing Engineering Colleges.

(B) *Medicine*

A. Recommendation 20 (2):—All the Departments of study which require hospital facilities be located in a single campus.

B. All the departments of study which require hospital facilities should be located as far as possible in a single campus.

A. Recommendation 20 (3):—that there be 10 beds per student admitted to a College.

B. There should be 6 to 8 beds per student admitted to a College.

A. Recommendation 20 (5):—that post-graduate training be offered in certain colleges taking into account the personnel and the equipment essential for the purpose.

B. The post-graduate training should be offered in certain colleges or in certain departments of colleges taking into account the personnel and the equipment essential for the purpose.

X. RELIGIOUS EDUCATION

A. Recommendation 36 (1):—That all educational institutions start work with a few minutes for silent meditation.

(2) that in the first year of the degree course lives of the great religious leaders like Gautama Buddha, Confucius, Zoroaster, Socrates, Jesus, Shankara, Ramanuja, Madhava, Mohammad, Kabir, Nanak, Gandhi be taught;

(3) that in the second year some selections of a Universalist character from the scriptures of the world be studied.

(4) that in the third year, the central problems of the philosophy of religion be considered.

B. In the opinion of the Senate the recommendations are not acceptable as they do not constitute the proper way of teaching religion.

XI. WOMEN'S EDUCATION.

A. Recommendation 12 (2):—That there should be no curtailment in educational opportunities for women, but rather a great increase.

B. A higher percentage of freestudentships e.g. 25% should be provided for women students as against 15% freeships provided for male students.

A proposal to institute some teaching posts in the different Faculties mentioned below:

- (1) Faculty of Arts.
- (2) Faculty of Social Work.
- (3) Faculty of Technology (including Engineering.).
- (4) Faculty of Education and Psychology.
- (5) Faculty of Commerce.
- (6) Faculty of Fine Arts.
- (7) Faculty of Home Science.

was also placed before the meeting of the Senate on 30th September 1950 and was passed. The Senate also resolved that the Academic year in the University shall start from January of the calendar year and that the terms, examinations and vacations shall be as under, subject to the proviso that the arrangement shall be given effect to from the year in which all the Universities in the State of Bombay agree to adopt the same:—

- (a) the first term shall extend from the beginning of January to the middle of April,
- (b) the summer vacation shall extend from the middle of April to middle of June,
- (c) the second term shall extend from the middle of June to the middle of October,
- (d) the annual University examinations shall commence from the end of October or the beginning of November, and
- (e) the period from the date of the conclusions of the examinations to the end of the year, shall be regarded as winter vacation.

A proposal from Principal A. K. Trivedi to institute an academic Diploma in Journalism in the Faculty of Arts was referred back to the Syndicate. The Syndicate decided at their meeting held on 18th November 1950 to refer this question to the Faculty of Arts. The Faculty of Arts at its meeting held on the 9th March 1951 passed the following resolution:—

“Resolved that an academic Diploma for Journalism be instituted in this University in the Faculty of Arts, whenever practicable.”

This recommendation of the Faculty of Arts was approved by the Syndicate at their meeting held on 9th April 1951.

(ii) The second meeting of the Senate was held on 16th February 1951. A motion for renewal of lapsed grants amounting to Rs. 49,967 was passed.

Owing to the amendments made to the Maharaja Sayajirao University of Baroda Act by the Government of Bombay, many Statutes and Ordinances needed revision. The revised Statutes and Ordinances were passed at this meeting of the Senate. A proposal to institute eight teaching posts in the department of Textile Technology in the Faculty of Technology (including Engineering) was also passed at this meeting of the Senate.

The Senate also considered a proposal from Principal A. K. Trivedi to declare Gujarati, as the official language of the Senate and referred it back to the Syndicate. The report of the Syndicate on the proposal of Principal A. K. Trivedi to declare Gujarati as the official language of the Senate was placed at the third meeting of the Senate on 23-6-1951. The Senate resolved that the question of prescribing the official language of the University be held over for a period of at least five years.

(ii) At the meeting of the Senate held on 23rd June, 1951, the Financial Statement comprising the revised estimates for the year 1950-51 for both the Capital and Revenue budgets and also the Estimates for the year 1951-52 for both the Capital and Revenue Budgets were passed.

The Senate also passed the motion for Supplementary grants amounting to Rs. 2,500 and the Ordinances regarding the academic costumes and election to the Boards of Studies and to the Faculties.

The Senate also passed the First Annual Report of the Syndicate and the Audited Accounts for the period from the 30th April 1949 to the 31st July, 1950.

CHAPTER IV

(THE SYNDICATE)

1. Number of meetings :—

During the period under report the Syndicate held twelve meetings out of which five were ordinary and seven were special meetings. During the year Shri M.M. Jhala resigned from the Syndicate in December 1950. A perusal of the minutes of the Syndicate meetings printed and circulated to the members of the Senate, would give an idea of the amount of work done at each meeting and the variety of subjects on which the Syndicate had to record their decisions. Some of the important decisions are mentioned below :—

2. Transfer of the Gujarati Section of the Baroda High School to the University.

The Baroda High School, which was a practising High School attached to the Socondary Teachers' Training College, remained under the administrative control of the Government of Bombay. This position created many administrative difficulties. The Syndicate, therefore, approached the Government of Bombay to hand over the Gujarati Section of the School to the University and the Government agreed to transfer the Gujarati Section to the University and a portion of its equipment and some members of the staff. This Section was taken over by the University on 15th May 1951 and was re-named as the "University Experimental High School". The School is recognised by the S.S.C. Board of Bombay and is preparing students for the S.S.C. Examination. Its activities have also been extended by the opening of Standard I to Standard V and it is proposed to develop it gradually into a full-fledged School conducting classes from Standard I to XI.

3. Re-organisation of the staff of the Engineering College and Kalabhavan.

The Engineering College teaching degree courses and Kalabhavan teaching the Diploma and the Certificate Courses, though housed in the same building, were organised by the Ex-Baroda State as two separate institutions having separate staff with the Principal as the common head of the two institutions. Such an organisation was found unsuitable. The Syndicate, therefore, had appointed an expert Committee in the previous year to consider and report on the question of a composite staff by amalgamating the two institutions into one. The Faculty of Technology (includ-

ing Engineering). The Syndicate scrutinised the report of the expert Committee and fixed the existing staff with revised grades into appropriate departments of the Faculty.

4. Revision and re-drafting of First Statutes and Ordinances.

As reported last year, the Syndicate had forwarded to the Government some amendments to the Act, which were passed during the year under report, for necessary legislation. It was also found by experience that the first Statutes and Ordinances needed several amendments. The Syndicate appointed a Committee consisting of seven members with the Vice-Chancellor as the Chairman to revise and re-draft the First Statutes and Ordinances in the light of the Act as amended. The Committee held several meetings and submitted its report to the Syndicate which was approved in January 1951. The revised Statutes were approved by the Senate in February 1951 and published in Pamphlet No. 2.

5. Appointments of Deans and setting up of the Faculties.

Though the teaching in the various institutions was re-organised into Faculties from June 1950 the various Faculties as such could not be set up and the Deans of Faculties could not be appointed till the Act was amended. With the passing of the Act and the revision of the Statutes in January 1951, nine Faculties were set up in February 1951 and the appointments of the Deans were made in March 1951 for a period of one year.

6. Inspection of Colleges.

During the year under report, the Syndicate appointed Inspection Committees to inspect the Medical College, the College of Indian Music and the Intermediate College. The reports of the Committees were considered and necessary action taken thereon. On the recommendation of the Committee for the Intermediate College the Syndicate created as many as 14 posts of tutors to help the present staff in the work of tutorials in the First Year Arts and Commerce Classes. The Government appointed a Professor of Pathology in the Medical College at Baroda. The various suggestions of the Committee regarding the College of Indian Music were also given effect to.

7. A Scheme for a critical and illustrated edition of the Valmiki Ramayana.

Another important scheme approved by the Syndicate was a "Scheme of preparing a critical and illustrated edition of the Valmiki Ramayana" on the lines of the scheme of a critical edition of Mahabharat which has

been undertaken by the Bhandarkar Oriental Research Institute, Poona. This work is estimated to take at least 10 years and the estimated cost is Rupees one lakh. The Director of the Oriental Institute submitted a scheme estimated to cost Rs. 6700, Rs. 5,000 and Rs. 12,150 during the first three years respectively. The expenditure was approved by the Syndicate and the Ramayana Department, under the Director of the Oriental Institute, started functioning from February 1951. The Director and two of his assistants were deputed to study the working of the Mahabharata scheme at the Bhandarkar Oriental Research Institute, Poona.

8. Taking over of Baroda Sanskrit Mahavidyalaya.

In September 1950, the Syndicate accepted the proposal of the Government of Bombay and took over the management of the Baroda Sanskrit Mahavidyalaya, with its existing staff from 18-6-51. The Government has agreed to give a special grant of Rs. 25,000 per annum for this institution.

9. Recognition of the Kalabhavan Diplomas.

The question of the recognition of the Kalabhavan Diploma by the Government of Bombay was a long standing question and the students passing these courses were greatly handicapped on account of the non-recognition of these diplomas by the Government. The Syndicate considered the proposal of the Director of Technical Education that the University should adopt the courses prescribed by his Department and have a common examination by a Committee constituted by Government for the purpose. The Syndicate agreed to adopt uniform courses for these diploma classes, with the proviso that the University be allowed to have its own examinations. The Government agreed to recognise the diploma courses of the University in Civil, Mechanical and Electrical Engineering.

10. Preliminary work to organise Degree Courses in Textile Technology.

Early in August 1950, the Vice-Chancellor appointed a Committee with the Hon'ble Dr. Jivraj N. Mehta as Chairman and ten other members to formulate proposals regarding the extent of the co-ordination necessary for practical and other class work in the Degree and Diploma Courses in Civil, Mechanical and Electrical Engineering, in Textile Engineering and Textile Chemistry Courses. By March 1951 the Committee had met four times and made its recommendations to the Syndicate. The Committee, in consultation with a Swiss expert Prof. Honegg, made detailed recommendations regarding additions and alterations to the buildings needed for

lecture rooms and various laboratories and the plant and equipment needed for the Textile Technology courses. A syllabus of four years duration based on the lines of the Swiss Federal Institute of Technology, Zurich, was drawn up and the staff necessary for the purpose was also proposed. The Syndicate gave their approval to the recommendations of the Committee and took steps to place the order for the plant and necessary equipments and to get the necessary posts instituted by the Senate. It was intended to complete these arrangements quickly so that the courses could be started from June 1951. But it was found impossible to get the necessary equipment and machinery in time and, therefore, the starting of the courses was postponed. The Committee continued functioning as the Textile Technology Degree Course Advisory Committee.

11. The Finance and Establishment Standing Committee.

With a view to ensuring strict economy consistent with efficiency the Syndicate appointed in October 1950 Finance and Establishment Standing Committee consisting of eight members with the following functions and powers:—

- (i) To scrutinise and submit to the Syndicate for their consideration the budget proposals of each department of the University, academic or administrative, before they are submitted to the Syndicate every year.
- (ii) To scrutinise all contracts and arrangements for the supply of materials and services to the University within the approved budget e.g. building, printing, furniture and other contracts, stationery supplies etc. and to submit its proposals thereon to the Syndicate for their consideration.
- (iii) To scrutinise proposals for additional establishment or for a change in the grade salary of any employee for creating any new post or giving any special increment or allowance.
- (iv) To recommend, generally, such measures as would ensure strict economy, consistent with efficiency.

The Committee held six meetings till the end of June 1951. On their recommendation the Syndicate gave contracts for the supply of (i) stationery articles and (ii) chemicals, scientific glassware, instruments and sundry articles to all the institutions in the University.

12. Rural Welfare Department.

With a view to providing practical training for rural welfare work,

to the students of the Faculty of Social Work, a scheme for running a rural centre at Atladra village in the University Area was sanctioned by the Syndicate and an amount of Rs. 5,840 for recurring expenditure and Rs. 6,550 for initial equipment was also sanctioned. A Jeep Car was received as a donation from Messrs Mahindra Mahindra & Company, Bombay, for use in connection with the work.

13. Physical Education.

The Syndicate invited Principal P. M. Joseph of the Institute of Physical Education, Kandivali to inspect the physical education activities in this University. Principal Joseph visited the University on 30-3-51 and submitted his report to the Syndicate in June 1951. As a result of the recommendations contained therein, it was decided to depute two graduates and one lady graduate, at the expense of the University, for training at the Physical Training Institute, Kandivali, with a view to employing them as Physical Training Instructors after a successful completion of their course.

14. Interim Administrative Committee.

During the year under report Shrimati Hansa Mehta, Vice-Chancellor, was granted duty leave from 11th April, to 31st May 1951 to enable her to represent India at the meeting of the United Nations Human Rights Commission at Geneva. Professor A. R. Wadia, the Pro-Vice-Chancellor, was also granted privilege leave for two months from 1st May 1951 to 30th June 1951 to enable him to go to U.S.A. to attend the International Rotary Convention. During the period of absence of both the Vice-Chancellor and the Pro-Vice-Chancellor, the Registrar was authorised to carry on the routine work of the University. For deciding urgent questions of administration and policy a Syndicate Committee consisting of the Hon'ble Dr. Jivraj N. Mehta, Prof. T. K. N. Menon and Shri C. J. Sutaria was appointed.

15. Rules revised and newly framed.

(a) Rules revised

- (1) Rules regarding use and occupation of University bungalows and flats were first framed in October 1949. It was found from experience that the rules did not provide proper safeguards for collecting in time arrears of municipal and other taxes from the occupants who left University service. It was also felt that the rent received was inadequate in comparison to the cost of buildings. The rules were accordingly revised and renamed "Rules regarding the use and occupation of buildings used for residential purposes."

- (2) The statement of powers delegated to various administrative officers needed revision as some more officers were added during the year. A committee was appointed to scrutinise the statement already sanctioned in the light of experience and to recommend powers to be delegated to new officers. The recommendations made by the Committee were approved.

(b) New Rules.

- (1) Rules regarding collection and remittance of fees: The rules are so framed as to ensure the collection of fees in the first month of the term and its remittance, within twenty four hours after the collection, to the Bank in the University Account.
- (2) Rules regarding refund of fees: These rules lay down principles under which refund of tuition and other fees can be made.
- (3) Rules regarding loan of manuscripts of the Oriental Institute: These rules provide for the loan of MSS for a time to other research institutions and University Libraries for a period not exceeding six months with proper safeguards for their safe return.
- (4) Rules regarding research studentships: The Syndicate instituted several research studentships in the various Faculties and framed rules for their award. The rules provide a monthly stipend of Rs. 75 to research students.
- (5) Rules regarding non collegiate and casual students: Rules were framed permitting students who intended to attend ordinary classes for the study of certain subjects only to be admitted as non-collegiate students. Provision was also made for students who had failed earlier to attend the same courses as casual students provided facilities were available for their attendance at lectures and at practicals.
- (6) Rules regarding re-appropriation of budgetted amounts: These rules define the powers of the Syndicate and the Vice-Chancellor, and the Pro-Vice-Chancellor.

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

Two members of the staff, viz., Shri C. M. Shukla, M.A., Senior Lecturer in English, in the Faculty of Arts and Shri L. J. Bhatt, M.A. B.T., Junior Lecturer in the Faculty of Education and Psychology who were given two years' study leave last year for further studies in the United King-

dom continued their studies. Besides those two, Shri T. P. Lele, Junior Lecturer in the Faculty of Education and Psychology who was given duty leave last year for a two year course in Education at the University of St. Andrews, Scotland and who has already completed one year's course at his own expense was given study leave during the second year of his course. Shri C. P. Shukla, M.A., B.T., Asstt: Librarian was granted a loan of Rs. 12,000 at 2½ per cent simple interest to join the Ph. D. Course in Librarianship of the University of Michigan, U.S.A. Shri S. M. Sen, M.Sc., M.S. (Eng.) U.S.A. was given leave without pay for a period of one year for completing his Ph. D. Course in U.S.A.

17. Attendance at the meetings of the Syndicate.

The following statement shows the attendance of members at the meetings of the Syndicate during the period under report :—

Name.	No. of meetings.	Class of meetings.	Present.	Absent.	Remarks
1 Shrimati Hansa Mehta, Vice-Chancellor	12	*O-5	10	2	
2 Prof. A.R. Wadia, (Pro-Vice-Chancellor)	12	§S-7	10	2	
3 Shri S.S. Bhandarkar	12	O-5	4	8	
4 Hon'ble Dr. Jivraj N. Mehta	12	S-7	12	—	
5 Prof. K. T. Shah	12	O-5	8	4	
6 Shri C. J. Sutaria	12	S-7	10	2	
7 Shri G. M. Tambe	12	O-5	11	1	
8 Shri M. M. Jhala†	4	S-7	2	2	
9 Prof. S. B. Junnarkar	12	O-5	7	5	
10 Dr. A. N. de Quadros	12	S-7	10	2	
11 Dr. M. D. Patel	12	O-5	5	7	
12 Prof. T. K. N. Menon	12	S-7	10	2	
13 Shri R. B. Amin	12	O-5	7	5	

*O = Ordinary § S = Special

†Ceased to be a member from Dec. 1950

CHAPTER V

FACULTIES AND BOARDS.

1. Faculties and Boards :—

As the legislation amending the University Act was enacted on 12th April 1951, the new Faculties and Boards could not be constituted before the end of the year. The Faculties and Boards as constituted on 19th March 1950 and listed in the First Annual Report in Chapter VII continued to function during the year under report with the modification that the members of the Senate mentioned in Chapter II, who ceased to be on the Senate, ceased to be members on the Faculties concerned also. Prof. I. G. Patel of the Faculty of Arts left the University Service and Shri. N. C. Doshi of the Faculty of Science retired from service during the year and consequently ceased to be on the Faculties and Boards concerned.

2. New Faculties :—

In view of the amendment of the Act, the old separate Faculties of Engineering and of Technology were merged into a single Faculty called the Faculty of Technology (including Engineering). A new Faculty of Social Work was created by the amended Act, but it could not be duly constituted before the end of the year.

3. New Boards :—

The following new Boards of Studies were appointed by the Syndicate during the year :—

I Board of Studies in Pharmacology and Pathology.

- (i) Dr. G.K. Karandikar, M.B.B.S. (Bom.) M.S. (Yale), Ph.D. (Yale).
- (ii) Dr. A.S. Paranjape, M.D.
- (iii) Dr. R. G. Dhaygude, M.D.
- (iv) Dr. P. V. Gharpure, M.D.
- (v) Dr. J. Mordecai, M.D. (Bom.)

II Board of Studies in Medicine, Surgery, Mid-wifery, Jurisprudence and Preventive Medicines.

- (i) Hon'ble Dr. Jivraj N. Mehta, M.D. (London), M.R.C.P. (London)
- (ii) Dr. B.B. Yodh, M.R.C.P. (London)

- (iii) Dr. P.M. Luhar, M.R.C.P. (London)
- (iv) Dr. R.N. Cooper, M.S. (London), F.R.C.S. (Eng.)
- (v) Dr. A.N. de Quadros, F.R.C.S. (England)
- (vi) Dr. (Miss) Jhirad, M.D. (London)
- (vii) Dr. T.V. Patel, M.D. (Bom.)
- (viii) Dr. M.S. Mehta, M.S. (Bom.), D.M.S.
- (ix) Dr. K. N. Chokshi, D. P. H. (London)

III Board of Studies in Botany :—

- (i) Dr. V. G. Pathak, Dr. es. Sc. (Montpellier)
- (ii) Dr. A. R. Chavan, B.Sc. (Bom.), Ph.D. (Nebraska)
- (iii) Dr. T. S. Mahabal, B.A., M.Sc., Ph.D.
- (iv) Dr. R. D. Adatia, M.Sc., Ph.D. (Bom.)
- (v) Shri P. L. Patel, M.S., I.S.W.A., U.S.A.

IV Board of Studies in Zoology :—

- (i) Dr. J. C. George, Ph.D.
- (ii) Dr. N. N. Murti, M.A., Ph.D., D.I.C. (London)
- (iii) Shri P. R. Avati, B.A., D.I.C. (London)
- (iv) Shri V. D. Ranade, M.Sc.

N. B.—With the nomination of the two new Boards the old Board of Studies in Biology ceased to function.

V Board of Studies in Social Work :—

- (i) Dr. (Miss) Parin Vakharia, B.A. (Bom.), Dip. in S.S.A. (T.I.S.S.), M.S. (Columbia), Ph.D. (New York)
- (ii) Miss Olive Swoboda, M.S. (Columbia)
- (iii) Shri S. N. Ranade, M.A. (Alld.), Dip. in S.S.A. (T.I.S.S.)
- (iv) Dr. J. M. Kumarrapa, M.A. (Harvard), S.T.B. (Boston), M.A., Ph.D. (Columbia)
- (v) Mr. M. Gore, M.A. (Bom.), Dip. in S.S.A., T.I.S.S. (Bom.)

4. The following Faculties held one meeting each during the year as shown below. The main items considered at the meeting are shown briefly against each :—

Faculty.	Date of the meeting and date on which report considered by the Syndicate.	Main items considered.
(i) Joint meeting of the Faculties of Arts, Science and Commerce.	9-3-1951 17-3-1951	(i) Scheme of examinations for the First Year and Inter Arts, Science and Commerce approved. (ii) Considered the question of the duration of the Honours courses and decided to have a two year Honours course.
(ii) Faculty of Arts.	9-3-1951 9-4-1951	Syllabi for the First Year, Inter and B. A. General courses.
(iii) Faculty of Science	10-3-1951 9-4-1951	Syllabi for the First Year Inter and B. Sc. General courses.
(iv) Faculty of Commerce.	11-3-1951 9-4-51	Syllabi for the First Year, Inter and B. Com. Courses.
(v) Faculty of Education & Psychology.	11-3-1951 9-4-51	Syllabi for M.Ed., B.T. and T.D. Courses.
(vi) Faculty of Fine Arts.	14/15-3-1951 17-3-51	Syllabi for Degree and Diploma Courses-Admission test and the scheme of examinations.

5. The following Boards of Studies met during the year for consideration of the items mentioned against each :—

Board.	Date of the meetings and date on which report considered by the Syndicate.	Main items considered.
1 Sanskrit, Pali and Ardha - Magadhi Language and Literature.	12-12-1950 9-4-1951	Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses.

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| 2 | Persian, Urdu and other Asian Languages. | 12-12-1950
9-4-51 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 3 | Hindi Language and Literature. | 24-1-1951
9-4-51 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 4 | Marathi Language and Literature. | 11/12-12-1950
9-4-51 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 5 | English Language and Literature. | 12-12-1950
9-4-51 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 6 | Gujarati Language and Literature. | 11-12-1950
9-4-51 | Syllabi for F. Y. Arts, Science and Commerce, Inter Arts, and B.A. General Courses. |
| 7 | Economics. | 15-12-1950
9-4-51 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 8 | Philosophy. | 13-12-1950
9-4-51 | Syllabi for Logic in F. Y. Arts and F. Y. Commerce for Ethics, Psychology in Inter Arts and for Philosophy in B. A. General Courses. |
| 9 | Politics, Sociology and Administration. | 14-12-1950
9-4-1951 | Syllabi for F. Y. Arts, F. Y. Commerce, Inter Arts, Inter Commerce and B.A. General Courses. |
| 10 | History, Archaeology and Ancient Indian Culture. | 13-12-1950
9-4-1951 | Syllabi for F. Y. Arts, Inter Arts and B.A. General Courses. |
| 11 | Physics and Meteorology. | 11-12-1950
9-4-1951 | Syllabi for F. Y. Science, Inter Science and B.Sc. General Courses. |
| 12 | Chemistry. | 13-12-1950
and
10-2-1951
9-4-1951 | Syllabi for F. Y. Science, Inter Science and B.Sc. General Courses. |
| 13 | Biology. | 13-12-1950
9-4-1951 | Syllabi for F. Y. Science, Inter Science and B.Sc. General courses. |

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|----|--|--|---|
| 14 | Zoology. | 12-2-1951
9-4-1951 | Syllabi for the First year and Inter Science and B.Sc. courses. |
| 15 | Mathematics, Statistics and Actuarial Science. | 29/30-12-50
and
4/5-2-1951
9-4-1951 | Syllabi for the First Year. Intermediate and B.Sc. Courses. |
| 16 | Geography and Geology. | 12-12-1950
9-4-1951 | Syllabi for the First Year, Intermediate and B.A. General Courses. |
| 17 | Commerce. | 31-7-1950
and
11-12-1950
August 1950
and
9-4-1951 | Scheme for instituting a Diploma in Commerce and syllabus in "cooperation" for B. Com. Examination. |
| 18 | Home Science. | 11-12-1950
17-3-1951 | Syllabi for courses and the system of examination. |
| 19 | Social Work. | 13-1-1951
17-3-1951 | Syllabi for courses and the system of examination. |
| 20 | Education and Psychology. | 10-3-1951
9-4-1951 | Syllabi for courses for M.Ed., B.T. and T.D. |

CHAPTER VI

(a) The Faculty of Arts

1. **Building :** The Faculty of Arts occupies the eastern part of the old Baroda College Building and the Seminar Building behind the Central Hall.

2. **Hostels :** The students of this Faculty occupied the old hostels along with the students of the Science and Commerce Faculties. The students who could not be accommodated in these hostels were placed in the new hostels near the University Buildings.

3. **Courses of study :** (1) This Faculty teachers, B. A. Hons. courses in the following subjects : English, Sanskrit, Gujarati, Marathi, History, Economics, Philosophy, Persian and Mathematics.

(2). The following subjects are allowed for pass course only in addition to the above : French, Pali, Urdu, Ancient Indian Culture, Statistics Hindi, Politics, Sociology.

(3) The B. Sc. in Statistics is open to students of this Faculty who pass the Intermediate Arts Examination.

(4) Sociology is newly introduced as a group for M. A. Classes.

(5) M. A. and Ph. D. classes are held in the following subjects : Ancient Indian Culture, Economics, History, Sanskrit, Gujarati, Marathi, Mathematics, Philosophy (only for M. A.) and Persian (for M. A.).

4. No. of students classified :—

	1950-51		
	Men	Women	Total
1. Junior. B. A.	55	22	77
Senior. B. A.	64	14	78
Junior. M. A.	26	9	35
Senior. M. A.	20	8	28
Ph. D.	7	...	7
	172	53	225
1951-52			
2. Junior. B. A.	71	33	104
Senior. B. A.	52	20	72
Junior. M. A.	23	4	27
Senior. M. A.	18	6	24
Ph. D.	3	...	3
	167	63	230

5. Library, Museum and Reading Room :

1. Number of periodicals subscribed during the year.	
English	2
History, Economics and Politics	13
Philosophy.	8
Gujarati.	6
Marathi.	4
Pali.	1
Sanskrit.	3
General.	3
Mathematics (Science Department).	6
2. Total amount spent on periodicals.	Rs. 612-4-0
3. Total number of books purchased during the year.	507
4. Total amount spent on books.	Rs. 5,387-12-0
5. Total amount spent on binding, repairing, etc. of books and periodicals.	Rs. 1,100- 0-0
6. Total number of books in the Faculty.	18,500

6. Tutorials and Seminars.

Each Department set tutorial exercises to the students of the B.A. General and the B.A. Hons. Classes, the numbers of tutorials set, per term, ranging from 3 to 6. These were in addition to exercises set for home work as in the Mathematics Department. Students' work was evaluated, either marks or grades were assigned and these were accompanied by the teacher's remarks, discussion and suggestions for improvements. The teacher attended to the difficulties of individual students.

In some departments, as in English, the Hons. students were required to keep a regular journal which served as a record of their tutorial work and as a help in their revision of the course of study.

Connected with the tutorials were the Seminars held by subject societies in which students read papers followed by general discussion. On the average, there were three such Seminar meetings per term in each subject.

7. Events Worthy of Note :

After the retirement of Principal M. A. Buch in October 1949, the Pro-Vice-Chancellor, Professor A. R. Wadia was in charge of the Baroda College as a temporary measure. In June 1950 Shri S. D. Menerikar

was appointed as Vice-Principal to relieve Prof. Wadia of some of his duties as Principal of the College. Since March 1951, however, both the Arts and Science Faculties were separated and Shri G. B. Pandya was appointed the Dean of the Faculty of Arts on 19th April 1951.

In May 1951, Shri G. B. Pandya took a batch of 13 students from different Faculties to the Pindari Glacier in the Himalayas Ranges. He was on tour from 1st May to 31st May 1951 and during his absence Dr. N. M. Bhatt was in charge of the Faculty.

Shri S. G. Kantawala, B.A. Hons. who is at present a tutor in Sanskrit, won the prize of Rs. 100 for an essay on Philosophy in an all India essay competition run by the Indian Philosophical Congress.

Acharya J. B. Kriplani addressed the students on 2-2-51 in the open quadrangle behind the central hall of the Baroda College.

(b) Department of Archaeology.

Organization of the Department :—

The organization of the Department was taken up in earnest in the year 1950-51, though a beginning was made in the previous year. It started functioning in Adhyapak Nivas and later shifted to the top floor of the "White Pavilion" in the Sayaji Park.

The main object of starting the Department was to carry out an archaeological survey of Gujarat and Saurashtra. To facilitate this work, complete equipment for modern scientific field archaeology was acquired. A Draftsman photographer was added to the staff of the Department. For purposes of teaching and research, a small museum is being developed.

Courses :—

Ancient Indian Culture has been introduced in M.A. courses for History with the collaboration of Dr. B. Bhattacharya, of the Oriental Institute and regular teaching was started. Two students were admitted to the course of M.A. as a part of the arrangement with the Deccan College Post-graduate and Research Institute. Dr. H. D. Sankalia, Professor of Proto and Ancient Indian History and Head of the Department of History was recognised as a guide for Ph.D. Students in Archaeology. Two whole time and one part-time students were admitted for the Ph.D. Degree. Two research scholarships of the value of Rs. 150 and Rs. 50 were awarded to whole time students.

Explorations :—

Mahi:—During the year, the report of the Prehistoric survey of the Mahi Valley was completed and a complete classified catalogue of the collections was prepared. The report has already been printed in the University Journal.

2. Sabarmati:—In October 1950, Pedhamali, the well known palaeolithic site on the Sabarmati was visited with a party of students with the main object of giving the students training in field work and of making a good collection of palaeoliths for the museum. A complete longitudinal profile of the Lohar-nu-nala was prepared and about eighty perfect palaeoliths were collected for the museum.

3. Karvan:—Two visits were paid to the ancient site of Kayavarohana or the present Karvan which is in the Dabhoi Taluka of the Baroda District. The site is well known for its antiquity, and the excellent series of coins beginning from Punchmarked (the earliest Indian coins), Kshatrapa, Gupta, and later coins were found. A few sherds of the red polished ware with affinities to Roman pottery found elsewhere in India, were also found.

4. Saurashtra:—The most important explorations of the year were carried out in Saurashtra for three weeks in the month of February 1951. The following places were visited:—Rangpur in Limbdi State, Valabhi, Amreli, Nana Machiala, Mota Akkadia, Somnath, Junagadh, Jamnagar, Baid and Vasai. A report on the results of these explorations is under preparation. The results are stated very briefly below:—

(i) The most important discovery, which would facilitate further research in Western India as a whole, is the discovery of red polished pottery with Roman affinities at a number of places in Saurashtra and Gujarat. This links Saurashtra chronologically with known sites in the Deccan Peninsula. The pottery which is associated with Satavahana period (1st and 2nd centuries of the Christian Era) has been found at Chandravalli (Mysore), Kondapur (Hyderabad), Kolhapur, Karad and Nasik. Very valuable data for further work in Western India can be found at Baroda, Karvan, Fofalia, Sherpura in Gujarat and Valabhipur, Amreli, Fasaria, Somnath, Junagadh, Baid, Vasai, Hadiana, Karegi, Kutiana and Khambodar.

(ii) Rangpur in Limbdi State is well known for its painted pottery alleged to belong to the Indus Valley type. Similar pottery was found at Venivadar and Amreli. The excavations of the Saurashtra Government at Baid and Vasai were also visited.

It seems that the relation between the pottery of the Indus Valley and Kathiawad is dubious and the present knowledge is inadequate. Hence independent work should be undertaken in Kathiawad at sites like Amreli.

(iii) A nice palaeolithic cleaver was found at Nana Machiala on the banks of the river Vadi, besides a number of minor microlithic sites around Amreli.

A new phase of Stone Age in Kathiawad is indicated by the discovery of patinated flakes of basalt around Amreli. As the basalt formations occur only two hundred yards from early historic site, this discovery is very interesting and further work is necessary at this site.

Excavation :-

All preparations were made for the excavation at Baroda and Parthampura, but the procedure in connection with the protection of the site could not be completed before the end of the year. The Director General of Archaeology has kindly agreed to expedite the formalities. (It is proposed to begin the work in October, 1951.)

Museum :-

A few show cases were acquired to accommodate the collections made during the year. An agreement was reached for an exchange of antiquities with the Government Museum at Madras. Valuable collection, in exchange for the Mahi Valley specimens, have been received. A number of maps and charts were prepared for display and teaching.

Exhibition :-

During the University Week, an exhibition was organized in the Department with the co-operation of the Department of Archaeology of the Government of India. The cultural history of Gujarat and Kathiawad for the last 200,000 years was brought out by display of antiquities, photographs and charts.

Distinguished Visitors :-

Shri Madho Swarup Vats, Director General of Archaeology and Dr. Peter Koinange of East Africa visited the Department.

Publications :-

"Studies in the Prehistory of Karnatak"
Joint paper with Dr. H. D. Sankalia and R. V. Joshi.
(Bulletin of the Deccan College, Research Institute, Vol. XI. 1951).

CHAPTER VII

FACULTY OF SCIENCE

1. **Buildings :-** The Faculty of Science which was a part of the Baroda College started functioning independently from March 1951. The Sayaji Jubilee Science Institute Building houses all the departments of the Science Faculty. During the period under review, extensions to the Sayaji Jubilee Science Institute Building were carried out to accommodate the Botany and Zoology Departments which are now separate units.

2. **Courses of Study :-** The Faculty provides instruction in Mathematics, Physics, Chemistry, Botany, Zoology and Statistics and prepares students for the B.Sc., M.Sc. either by research or by papers, and for the Ph D. degrees.

3. **Number of students :-** The numbers of students enrolled in the different classes of the Faculty of Science in June 1950 and June 1951 were as under :-

Classes	June 1950	June 1951
First Year Science	352	381
Inter Science	320	343
Junior B. Sc.	102	152
Senior B. Sc.	72	108
M. Sc. (Junior and Senior).	36	45
Ph. D.	9	12
Total	891	1041

4. **The Library and Reading Room :-** Total number of books in the Faculty is 3,835. Each department of the Faculty has its own library of text-books, reference books and journals. The following are the total number of books and additions made during the year in each department :-

BOTANY DEPARTMENT

1. The number of periodicals and journals subscribed during the year was 18 at a cost of about Rs. 335. The number of journals ordered, but not received as yet was six.
2. Total number of books purchased during the year. 20
3. Total amount spent on books during the year. Rs. 387-9-10
4. Total amount spent on binding, repairing etc. of books and periodicals. Nil.

ZOOLOGY DEPARTMENT

- (1) No. of periodicals subscribed during the year. Nil.
- (2) Amount spent on periodicals. Nil.

- (3) Total number of books purchased during the year. 163
 (4) Amount spent. Rs. 1,668-15-0
 (5) Binding, repairing etc. Rs. 68- 0-0

MATHEMATICS DEPARTMENT

- (1) Number of periodicals subscribed during the year. 4
 (2) Amount spent on periodicals. Rs. 40- 0-0
 (3) Number of books purchased during the year. 27
 (4) Amount spent on books. Rs. 275- 0-0
 (5) Amount spent on binding, repairing etc. Nil.

PHYSICS DEPARTMENT

- (1) Number of periodicals subscribed during the year. 10
 (2) Amount spent on periodicals. Rs. 452-13-9
 (3) Number of books purchased during the year. 23
 (4) Amount spent on books. Rs. 483-10-9
 (5) Amount spent on binding, repairing etc. Nil.

CHEMISTRY DEPARTMENT

- (1) Number of periodicals subscribed during the year. 12
 (2) Amount spent on periodicals. Rs. 703- 0-0
 (3) Number of books purchased during the year. 35
 (4) Total amount spent on books. Rs. 896- 0-0
 (5) Total amount spent on binding, repairing etc. Nil.

5. Publications by the Members of the Staff:—

1. "Studies in Elbs Persulphate Oxidation Part II. Oxidation of α -and- β -Naphthols and some Naphthol Derivations" by R. B. Desai and Suresh Sethna (Journal of the Indian Chemical Society, 1951, 28,213).
2. "An Optical Extensometer" by Shri K. R. Chaudhary, (Journal of the University of Bombay, 1950, Vol. XIX.)
3. "Friedel and Crafts Acetylation of Methyl- β -resorcylate and Resacetophenone" by P. L. Trivedi and Suresh Sethna (Journal of the Indian Chemical Society, 1951, 28,245).

6. Extra Curricular Activities:—

The different Societies of the Faculty, Chemical, Botanical, Physical and Zoological, arranged lectures and discussions by the members of the staff and the students. The Biology Department arranged a biological exhibition during the University Week Celebrations.

CHAPTER VIII

Faculty of Education and Psychology



1. Buildings:

The Faculty continued to be housed in the buildings near Sursagar vacated by the Pratapsingh College of Commerce. The new Experimental High School which was started in March 1951 was accommodated on the ground floor of the building.

2. Courses of Study:

The following courses are provided in the Faculty: 1. Teaching Diploma, 2. B. T. Degree, 3. M. Ed. Degree (by papers), 4. M. Ed. Degree (by thesis), 5. Ph. D. Degree.

During 1950-51, the M. Ed. courses (by papers) provided three optional groups viz. :—A—History of Education, C.—Comparative Education and D.—Experimental Psychology and Education Statistics. The optional group B.—Educational Administration was added in June, 1951.

3. Number of Students:

The numbers of students admitted in each courses at the end of July 1950 and 1951 are given below:—

	July 1950		July 1951	
	No. admitted Men	No. admitted Women	No. admitted Men	No. admitted Women
M. Ed.	31	3	24	5
B. T.	84	16	87	13
T. D.	26	1	27	2
Ph. D.	3	1	3	1
Total.	144	21	141	21

4. Library, Reading Room and Museum:

(a) LIBRARY AND READING ROOM.

The library contains 10 000 books on Psychology and Educational Theory and Practice. 350 books on the subjects were added to the library during the year. The Reading Room subscribes for Journals mostly dealing with the subjects of Education and Psychology. A novel feature of the reading room is the maintenance of newspaper-cuttings with a view to

acquainting the students with the latest trends in educational theory and practice. The attention of students is drawn by the members of the staff to important articles appearing in newspapers and educational journals.

(b) 1. Number of periodicals subscribed during the year.	40
2. Total amount spent on periodicals.	Rs. 500
3. Total number of books purchased during the year.	350
4. Total amount spent on books.	Rs. 2,000
5. Total amount spent on binding, repairing, etc. of books and periodicals.	Nil.

(c) MUSEUM :

The Faculty has a well-equipped museum containing various teaching aids for the use of teachers under training. The collection in the museum was increased substantially during the year by the addition of more than 300 pictures, charts and maps in the methods of teaching subjects and school administration. Most of these were prepared by the students under the guidance of members of the staff. The Project Scheme of the Faculty requires every student under training to prepare a set of illustrative aids to teach a topic or series of topics.

5. Psychological Laboratory and Research Work :—

The Faculty has a well-equipped psychological laboratory containing the apparatus necessary for practical work in Experimental Psychology and also for research. Substantial additions were made during the year to the laboratory by the purchase of some important pieces of apparatus.

6. Reorganisation of Tutorials :

Tutorial work was organised on new lines with a view to promoting personal contact between teachers and students of the Faculty and also for giving more effective help to the students in their study. Each teacher was allotted a batch of students according to the subjects chosen by them. Members of the staff took a keen interest in this work and guided the students both in their academic and social activities.

7. Post-Graduate Lectures :—

Prof. R. V. Parulekar and Shri J. P. Naik of the Indian Institute of Education, Bombay and Shri J. K. Shukla of the Graduates' Basic Training Centre, Ahmedabad worked as part-time lecturers for the M. Ed. Class. Dr. N. S. N. Sastry of the Indian Science Institute, Bangalore also delivered post-graduate lectures in the Faculty.

8. Publications by Members of the Faculty :

The following were the important papers and books which were prepared and published by the members of the Faculty during the year :

Name.	Publications.
1. Prof. T. K. N. Menon.	Chapter on "Education in the Indian Union" in the 1951 World Year Book of Education published by the Institute of Education, London.
2. Shri S. N. Mukerji.	1. "Education in India Today and To-morrow" (Acharya Book Depot, Baroda). 2. "History of Education in India : Modern Period" (Acharya Book Depot, Baroda).
3. Prof. T. K. N. Menon and Mrs. P. Pathak.	"Causes of Dis-satisfaction of teachers at work" (Proceedings of the Indian Science Congress, 1950 and also Indian Journal of Psychology, 1950, Vol. XXV).
4. Prof. T. K. N. Menon and Shri S. C. Parikh.	"Perseveration and Teaching Ability" (Proceedings of the Indian Science Congress, 1950 and also Indian Journal of Psychology, 1950, Vol. XXV).
5. Dr. G. N. Kaul	1. "Promotion of Learning in Kashmir" (Chapter in Educational Studies and Investigations, Vol. I, Asia Publishing House, Bombay). 2. "A National System of Education" Journal of Education and Psychology, January, 1951)
6. Shri K. S. Yajnik.	"Gandhiji and Education" (Journal of Education and Psychology, October, 1950).
7. Shri N. N. Shukla.	"અંકગણિત પરિચય ભાગ ૧ અને સરલ બીજ ગણિત ભાગ ૧" (Published by Messrs. Karsandas Narandas and Sons, Surat) ગુજરાતી બાલકોનું બુદ્ધિમાપન (Published by Indian Institute of Education, Bombay.)

9. Other Literacy and Cultural Activities :—

Dr. M. S. Patel concluded his researches on the subject of "Educational Philosophy of Mahatma Gandhi" and was awarded by the Bombay University the Ph. D. degree on the thesis. Prof. T. K. N. Menon, who was elected President of the Examination Section of the All India Educational Conference of 1950 presented in his presidential address a scheme for examination reform at the University and secondary school

levels. He presided over the Annual Visual Education Conference of the Bombay State held in March 1951 and worked as the Convenor of the Committee on Research at the Conference of Professors of Psychology of Indian Universities convened by the Government of India in Delhi in January, 1951. Prof. Menon also gave a number of radio talks on popular topics in Psychology at the All India Radio Station, Baroda. Shri D. G. Apte attended the Adult Education Seminar held at Jubbulpore from 15th to 24th December, 1950.

10. Co-Curricular Activities, Sports etc. —

The students of the Faculty took as usual a keen interest in the co-curricular activities, sports and other items. They staged a drama in Hindi—Shahjahan—at the Nyaya Mandir Hall at the time of the First All-India Conference of Training Colleges and the drama met with appreciation and praise from the visitors from the different parts of the country. The "Ras" that they contributed at the Variety Entertainment during the University Week got the first prize.

11. Excursions:

A trip was organised to Vallabh-Vidyanagar, Anand, in the beginning of the first term. Most of the students and the members of the staff availed themselves of the opportunity and visited the various colleges in Vidyanagar and also the Agriculture Institute at Anand. During the second term, some of the students and members of the staff attended the All-India Education Conference held at Hyderabad (Deccan), and took an active part in its proceedings. The party also visited places of interest in Hyderabad, Aurangabad, Daulatabad Fort, Ajanta and Ellora Caves, and Nasik.

12. Old students' Association:

The general meeting of the Old Students Association was held on 10-2-51 to elect the office-bearers for the year 1951-52, to approve the report and sanction the expenditure. During the year the Association lent from its library about 100 books to the students under training. The Old Students Association organised a 'Sunday' Club to provide to the members recreation and games and also opportunities to develop contacts with one another and with the members of the Faculty.

13. Other Note-Worthy events:

(a) FIRST ALL-INDIA CONFERENCE OF TRAINING COLLEGES.

The Faculty, in co-operation with the Indian Institute of Education, Bombay, organised the First All-India Conference of Teachers' Colleges in

India. It was held in Baroda on 23rd, 24th and 25th November, 1950 under the presidentship of Shrimati Hansa Mehta, Vice-Chancellor of the University. The State Governments and Universities of the country deputed Principals or Professors of their respective Training Colleges or Faculties, as delegates to the Conference. Besides the above, a number of eminent educationists in the country attended the Conference and participated in its proceedings. Dr. Poleman of the American Embassy was among the distinguished visitors who attended the Conference. The Conference made a complete and critical survey of teacher education in the country at the University level and discussed several vital problems in respect of the subject. The Association of the Training Colleges in India was constituted and an Executive Committee was elected with Shrimati Hansa Mehta, Vice-Chancellor of the Baroda University as its President and Prof. T. K. N. Menon as one of the Joint Secretaries.

(b) UNVEILING OF MAHATMAJI'S PLAQUE.

Shrimati Hansa Mehta, the Vice-Chancellor, performed the unveiling ceremony of Mahatma Gandhi's Plaque, on October, 5th. The plaque is a gift to the institution by past and present students who had conceived the idea that the presence of the Statute in the Faculty would be a perennial source of inspiration to the students studying in the Faculty.

(c) EDUCATIONAL EXHIBITION:—

During the University week, the Faculty organised an Educational Exhibition which was very popular. It attracted thousands of visitors from Baroda and even from the nearby towns, and villages. The exhibits displayed related to the Subjects of Experimental Psychology, Child Psychology and School Organisation in India and abroad.

14. Practising Schools:—

The Faculty used during the period under report almost all the High Schools in the city of Baroda for 'practice teaching' of its students. Among these the following provided for the major part of the school practice of the students under training.

1. Baroda High School,
2. Shri Sayaji High School,
3. H. V. Shroff Memorial High School,
4. Jayashri Model High School,
5. Rosary High School,
6. Maharani High School for Girls.

15. University Experimental High School :—

The University Experimental High School attached to this Faculty is intended to be its school for demonstration lessons and laboratory for experiments in education. It had its beginnings on the 5th March 1951, when Standards I and V were started with a view to developing it into a full fledged primary and secondary school in course of time by adding a primary and secondary standard every year. It was housed on the ground floor of the Faculty building. In May, 1951, the University, acting upon the letter No. 243/5-c, dated 7th May, 1951 of the Director of Public Instruction took over the Gujarati Section of the Baroda High School. This resulted in the addition of four more standards to the School. The strength of the School during the year under report was as follows :—

Std.	Boys.	Girls.	Total.
I	13	16	29
V	24	6	30
VIII	31	-	31
IX	30	-	30
X	33	-	33
XI	38	1	39
	<u>169</u>	<u>23</u>	<u>192</u>

The School which was renamed as the ' University Experimental High School ' has a staff consisting of the Principal, eight teachers, an art master, and a Physical Training instructor. The staff is well qualified, trained and experienced. The School prepares students for the S.S.C. Examination and the first batch of students will appear at the S.S.C. Examination to be held in March 1952.

The School has a library consisting of 1,245 books for use of the students and 399 books for teachers. The School also uses the library, reading room and museum of the Faculty.

The science laboratory consisted of the materials taken over from the Baroda High School, and some additions were made for immediate purposes. During the year under report, the University corresponded with the Government of Bombay on the question of transferring from the Baroda High School more equipment and apparatus to the University Experimental High School.

CHAPTER IX

FACULTY OF COMMERCE.

1. **Buildings:**—The Faculty continued to be housed in the west wing of the Baroda College Building.

2. **The Courses of Studies:**—The Faculty offers courses leading to the Degrees of B. Com., M. Com. and Ph. D. At the B. Com. provision has been made for the teaching of the special subjects of Accounting and Auditing, Banking, Economics of Cotton, Public Finance and Administration and Statistics. Facilities are also provided for research and guidance to individual students preparing for the M.Com. examination by thesis.

3. **Number of Students:**—The distribution of students, according to classes and divisions, is as follows :—

Class	Number of students	Special subjects
Junior B. Com.	44	<i>Junior B. Com.</i> Advanced Accunts 30
Senior B. Com.	74	Banking 7
Junior M.Com. (by papers)	21	Public Finance 5
Senior M. Com.	Nil	Economics of Cotton 1
M. Com. (Thesis)	2	Statistics 1
		<i>Senior B. Com.</i> Advanced Accounts 53
		Banking 17
		Statistics 4
Total	141	

4. **Library and Reading Room:**— The College Library which was an independent unit was merged with the Arts Faculty Library in the month of June, 1951 and since then it has ceased to be independent.

There are about 7,364 books on various subjects pertaining to Commerce and allied branches of knowledge.

1. Periodicals subscribed during the year.	45
2. Total amount spent on periodicals.	Rs. 1,166- 9-5
3. Total number of books purchased during the year.	212
4. Total amount spent on books.	Rs. 1,689-4-4

5. Total amount spent on binding, repairing etc. of books and periodicals.	Nil
6. Total number of books in the Faculty.	7,270

5. Publications by the members of the staff:—

Publications by the members of the staff of the Faculty:—

Dr. K. S. Venkatraman.	1. The Handloom Industry—a Survey (The Commerce Mid-century Number December 1950).
	2. Cottage and small scale Industries. (Breswin Publication (India) Ltd., Bombay, June, 1951).

6. Commerce Diploma Class:—

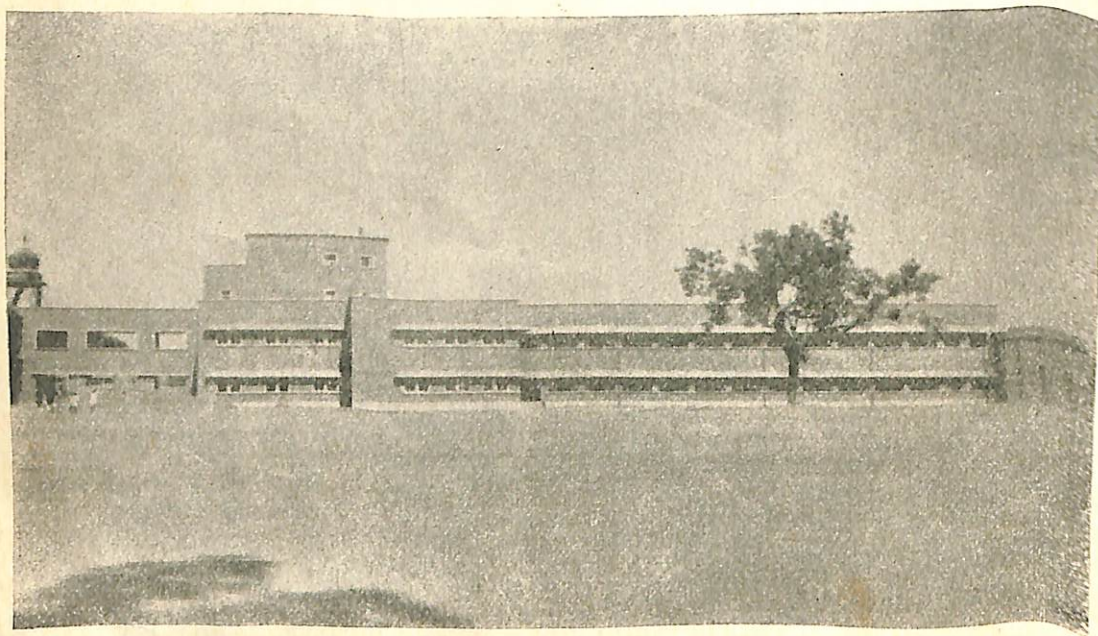
In June, 1951, the number of students admitted was 10. One of the teachers of this class was appointed as lecturer in the Commerce College, Anand. Out of the eight students who appeared for the Diploma in Commerce Examinations, five were declared successful.

7. University Week Celebrations:—

In the University Week Celebrations in the year 1950-51 the Brains Trust and Mock Parliament were organized by the Dean, Faculty of Commerce and both the items were quite interesting.



Medical College



Extension of the Faculty of Technology Building.

CHAPTER X

FACULTY OF MEDICINE (Medical College, Baroda).

1. Building and Hostels :—

(a) **Building** :—The college building is now nearing completion and it is hoped that before June, 1952, when the college will enter its fourth year, all the departments will occupy the rooms allotted to them.

The following buildings were under construction during the year under report :—

1. First and second floors of the College.
2. Gas plant room.
3. Animal room over the Post Mortem block.
4. Hygiene-Jurisprudence-Physiology block (foundation laid during the year under report.)
5. Nurses Quarters.

The following plans and estimates have either been finally approved or are being approved.

- (i) New Out-Patient department.
- (ii) Principal's and Professor's Quarters (minor changes in the former European and Eurasian Sister's Quarters.)

(b) **Hostels** :—36 students reside in the hostel situated in the vicinity of the college. Two lady students were accommodated in the University Women's Hostel. 20 seats were reserved by the University for medical students in the University Hostels for the batch to be admitted in June, 1951.

2. **Courses of Study** :—The Faculty conducts courses leading to the Degree of M.B.B.S.

3. **Number of students** :—The following table shows the number of students in the Faculty at the end of June 1951:—

	Men.	Women.	Total.
1. First year.	31	8	39
2. Second year first M.B.B.S.	37	1	38
3. Third year, second M.B.B.S.	28	2	30
Casuals, first M.B.B.S.	9	1	10
Total.	105	12	117

4. **Library, Museum and Reading Room:**—During the year under report a sum of Rs. 3,031 was spent to equip the library with new books and periodicals. There are nearly 2,300 books, including about 150 books on general knowledge. 35 journals medical as well as non-medical are being subscribed to. The library remains open from 9-30 a. m. to 4-30-p. m. There are 480 Museum Specimens in the Anatomy Museum and 400 in the Pathology Museum.

1. Number of periodicals subscribed during the year.	48
2. Total amount spent on periodicals.	Rs. 1,790
3. Total number of books purchased during the year.	251
4. Total amount spent on books.	Rs. 5,888
5. Total amount spent on binding, repairing etc. of books and periodicals.	Rs. 102

5. Laboratories and Research Work:

(A) Physiology:—The department has 3 laboratories. (1) Experimental (2) Histological and (3) Chemical Physiology; these are equipped for the first M.B.B.S. course.

(B) Anatomy:—Till June, 1951, there was a temporary dissection hall on the ground floor of the Medical College Building, but from the middle of August, 1951, it is shifted to the second floor. The dissection hall has got facilities for nearly a hundred students to dissect simultaneously and it is proposed to fix small table slabs on the walls of the dissection hall where twenty more students can work. In the dissection hall there are storage tanks where dissection parts allotted to the students and specimens for demonstrators are stored. Till June, 1950, there were no adequate facilities for Embryology Laboratory which will start functioning as soon as electric current is provided. It is hoped to hold demonstration classes at least twice a week and incubating, sectioning, staining etc., of Embryos will also be carried out.

6. **Tutorials and Extension Lectures:**—During the year, lecture-demonstrations and practical classes were held for the students in the first and second years of first M.B.B.S. Class in Anatomy including Embryology, Physiology including Biochemistry and Histology. Lectures in elementary Pathology, Pharmacology and Normal Psychology were delivered and Elementary methods of clinical examination were also taught, to the second year students of first M.B.B.S. Class.

7. At the end of the year under report, the Anatomy and Pathology Museums contained the following numbers of specimen:—

Anatomy Museum:—

417	(including 211 dry specimens).
26	(Embryology specimens).
7	(Comparative Anatomy specimens).
450	Total No. of specimens as on 31-3-'51

No specimen was discarded as spoilt during the year.

Pathology Museum:—

20	Dry specimens.
200	Wet specimens.
220	Total number of specimens
50	(10 dry and 40 wet specimens discarded as spoilt).
170	Total number of specimens on 4-3-'51.

8. Extra-curricular activities, sports etc.

- (1) The Annual Sports of the College were held on 17-12-1950.
- (2) The Annual Social was held in the Faculty of Arts. Central Hall, on 23-12-1950. The students organized a good variety entertainment programme.
- (3) Students organized two tours:—
 - (a) To Pawagadh on 17-10-1950.
 - (b) To Jojwa (water fall) on 12-10-1950.
- (4) The College participated in the University Week of the Maharaja Sayajirao University of Baroda, from 3-12-1950 to 10-12-1950. Great interest was shown by the public in the Exhibition held in the College.

CHAPTER XI

THE FACULTY OF TECHNOLOGY (Including Engineering).

1. Buildings, Equipment and Hostels :—

(a) Buildings :—

The new building of the Engineering College is now nearing completion. It will house laboratories of (1) Testing of Materials (2) Metallurgy (3) Geology and (4) Applied Mechanics and provide accommodation for 10 class-rooms, Library, Museum, Dean's and Professors' rooms, Office room, the Students' Common room and Surveying Instruments room.

The plan etc. for the Hydraulics and Cement Testing Laboratories and stores are ready and arrangements are in hand to complete the construction for the same soon. Arrangements are also in hand for carrying out extensions to the Machine Shop, Smithy and Heat Engines laboratory in the Workshop premises.

(b) Equipment :—

New equipment worth Rs. 2,38,750-3-11 has been received during the year under report. Equipment worth Rs. 1,28,768 has been ordered and is expected to be received in the next year. Besides, further orders for additional equipment worth about Rs. 5,00,000 are likely to be placed within the next year or two. The cost of the new equipment received so far for the College of Engineering is Rs. 4,05,641-6-5.

(c) Hostels :—

Shri C. N. Shah continued to be the warden for the hostel for Diploma students and Shri C. M. Patel for the hostels for Degree students.

2. Courses of Studies :—

The Faculty offers the following courses of studies :—

- Courses leading to the Degree of B. E., Civil, Mechanical and Electrical.
- Courses leading to the Diplomas in Civil, Mechanical and Electrical Engineering, Textile Chemistry, Textile Technology and Architecture.
- Courses leading to the Certificates of Turner and Fitter, Wireman, Carpentry, Dyeng, Weaving, Architecture and Drawing.
- A Technical High School Course.

3. Number of Students :—

The number of Students attending the Faculty at the end of June, 1951, in the various courses was as under :—

4. Number of students duly classified (according to sex and classes and on rolls.)

DEGREE COURSE.

Department and Classes	On rolls	
	Men	Women
B. E. Junior	7	...
S. E.	55	...
F. E.	75	...

DIPLOMA COURSE.

Mechanical Engineering.

I Year.	50	...
II Year.	22	...
III Year.	19	...
IV Year.	21	...

Electrical Engineering.

I Year.	53	...
II Year.	25	...
III Year.	9	...
IV Year.	25	...

Civil Engineering.

I Year.	52	...
II Year.	30	...
III Year.	22	...

Textile Chemistry.

I Year.	12	...
II Year.	13	...
III Year.	13	...

Textile Technology

I Year.	17	1
II Year.	7	...
III Year.	9	...

Architecture.	Men	Women
I Year.	29	1
II Year.	15	1
III Year.	12	...
IV Year.	13	...

CERTIFICATE COURSES.

Turner, Fitter and Latheman.		
I Year.	16	...
II Year.	17	...
Wireman.	18	...
Carpentry.	...	...
I Year.	...	...
II Year.	1	...
Dyeing.		
I Year.	6	...
II Year.	1	...
Weaving.		
I Year.	9	...
II Year.	5	...
Architecture.		
I Year.	11	...
II Year.	6	...
Technical High School.		
I Year.	10	...
II Year.	9	...
III Year.	6	...
	<u>720</u>	<u>3</u>

Summary of the total number of students for the period ending June, 1951:—

	Men	Women
Degree.	137	...
Diploma.	468	3
Certificate.	115	...
Total	<u>720</u>	<u>3</u>

6. Library and Reading Room:

(a) Books and Journals.

The grant sanctioned for books and journals was Rs. 5,000 which was spent towards purchasing books and journals and binding. 259 books worth about Rs. 3,800 were added to the library.

1. Number of periodicals subscribed during the year	41
2. Total amount spent on periodicals	Rs. 1,577-0-0
3. Total number of books purchased during the year	259
4. Total amount spent on books	Rs. 3,184-0-0
5. Total amount spent on binding etc.	Rs. 158-0-0
6. Total number of books in the Faculty	12,477

(b) Reading Room.

About seventy students attended the reading room daily and eight to ten members of the staff visited the library every day.

(c) Reference.

Every day about twenty students visited the library for reference purposes, such as copying papers, examination syllabuses and for consulting books of reference.

(d) Lending.

About three hundred students and fifty members of the staff took advantage of borrowing the books for reading at home. Journals were circulated amongst heads of the departments.

7. Extra-Curricular activities :

Factory practice and tours:—

In order to acquaint the students with factory life and conditions, outside practice for 60 to 90 days in factories or workshops is compulsory in the Mechanical and Electrical Engineering and the Textile Technology Diploma Courses. As such the students concerned undertook practical training in some approved factories, workshops and mills.

Parties of the Final Year Diploma Course students from all the branches were taken on tour to visit some of the best known factories or works concerning their own line. The Degree students were taken to Delhi to see the International Engineering Exhibition.

N. C. C.

The Central Government has allotted two Infantry Companies to the University consisting of 10 Officers and 315 Cadets and as such 100 students from this Faculty were enrolled for N. C. C. training.

Visual Instruction :—

The Faculty possesses a 16 mm. Bell and Howell Talkie Projector and arrangements were made to show technical films on various subjects like steam turbine, steam engine, precision measurements, electro magnetic inductor etc. to the students at regular intervals.

8. Events worthy of note :

(i) An exhibition in the various departments was arranged during the University Week. It attracted huge crowds and thus testified to its technical value.

(ii) The Government of Bombay was pleased to recognise (1) the Diplomas in Electrical, Mechanical and Civil Engineering awarded by the Kalabhavan Technical Institute as equivalent to the corresponding diplomas of the College of Engineering, Poona, for purposes of recruitment to services under it and (2) the Architecture (two years Certificate) Courses of the Institute as equivalent to the two years Drawing Certificate Course of Sir J. J. School of Art, Bombay, for purposes of recruitment to a Draftsman's post under the Public Works Department of the Government under the Political and Services Department Resolutions No. 206/46, dated 5-12-50 and No. 206/46, dated 4-6-51 respectively.

CHAPTER XII

(A) FACULTY OF FINE ARTS

1. Buildings and Hostels :—

The Faculty of Fine Arts continued to be located in Pushpabag, very near to the Baroda Museum and in quiet and natural surroundings. Pushpabag being residential building, a number of alterations were carried out to make it suitable for an institution teaching practical courses.

The Secretary's Bungalow was given to the Faculty as a hostel for the students of the Faculty of Fine Arts who were accommodated in the hostel till 15th June, 1951, when they were shifted to the new University Hostels.

2. Courses of Study :—

The Faculty offers the following courses :—

- (i) Four year course, leading to the Degree of B. A. (Fine) in Painting, Sculpture and Applied Arts and Crafts.
- (ii) Four year course, leading to the Diploma in Painting.
- (iii) Certificate courses in Lithography, Etching, Photography and Wood Craft.
- (iv) Evening classes for Fundamentals of Plastic Arts, Drawing and Painting, Sculpture, Graphic Arts etc.

In the first year of the Degree and Diploma courses' there is a common Preparatory course comprising subjects like Drawing, Painting, Sculpture, General knowledge (Biology), Cultural Background and Chemistry of Medium. After completion of the Preparatory course the students are taken up in the Degree or Diploma courses to suit their talent as envisaged during the first year.

3. Number of Students :—

The following table shows the number of students admitted in the beginning of the first term in the Faculty:—

Class.	Department.	Number of students.
First Year Degree.	-	5
First Year Diploma.	-	10
Second Year Degree.	Painting.	5

Second Year Diploma.	Painting.	5
Second Year Degree.	Sculpture.	2
Second Year Diploma.	Sculpture.	3
Second Year Degree.	Applied Arts.	2
Second Year Diploma.	Applied Arts.	4
Third Year Diploma.	Painting.	3
Fourth Year Diploma.	Painting.	1
Lithography Certificate Course.		1
Photography Certificate Course.		3
Total...		44 students.
Evening class students.		9

4. Evaluation System :

Records of students' day to day progress in every subject of each course were kept and they were asked to carry out a fixed number of works in every practical subject while a few tests were taken in theoretical subjects. The term reports of students' progress were sent to their parents for their information. Under this scheme it was found that two of the students were unfit for these courses and were, therefore, advised to leave the College; and again at the end of the second term, before the commencement of the annual examinations, two students were detained from appearing in the examinations as they were below the average standard in execution of assignments due to irregular attendance and carelessness in submitting their works.

The students' progress reports were written subjectwise based on the Grade-Credit System devised by the Faculty. The entire progress report, work record of the turn out of class and home works and the examination papers of each student were taken into account in deciding the final result. Further, a Promotion Scheme was also evolved in order to give full opportunity to the students to carry out their studies without interruption. The Supplementary Test, as per the Promotion Scheme, was given in the beginning of the new session.

5. Museum, Library, Reading Room :

(a) Museum:—In order to give the full benefit of the collection of the Baroda Museum to the students of this Faculty the authorities of the Museum were approached to give special facilities for reading and finding references from the library and the practical works from the galleries of the Museum. Regular periods of practical work were held during the entire session.

(b) Library:—The library of the Fine Arts College was equipped with books on Fine Arts and prints of outstanding works of arts. Most of the books were collected from various book stores of Bombay, Delhi, Calcutta, etc., which were personally visited by the Dean of the Faculty and were chosen with a view to acquaint the students with the best possible literature and works of Fine Arts. The number of volumes purchased during the year was 178 and the number of volumes transferred from Kalabhavan was 693. A rough classification of the books in the Library is as follows:—

Subjects.	Number of books.
1. Painting.	300
2. Sculpture.	70
3. Commercial Art.	50
4. Photography.	90
5. Drawing.	100
6. Crafts.	80
7. Architecture.	40
8. Art Histories.	50
9. Art Education, etc.	50
10. General (covering Painting, Sculpture, Architecture, Costume, etc.)	150
Total...	1,230

- (c)
- | | |
|---|--------------|
| 1. Number of periodicals subscribed during the year | 7 |
| 2. Total amount spent on periodicals. | Rs. 133-15-0 |
| 3. Number of books purchased during the year. | 178 |
| 4. Total amount spent on books. | 1,814-12-6 |
| 5. Total amount spent on binding, repairing, etc. of books and periodicals. | Nil. |

6. Laboratory etc. :

This being the first year of the Faculty, only the plan and scope of research work in Fine Arts was being prepared but no actual research work was carried out.

7. Tutorials and Extension Lectures :

Students were assigned to a teacher of the college and tutorial work done was mostly of a practical nature. There were no extension lectures during this year, but the following exhibitions of the works of the students and staff were held :

1. Exhibition of students' works in connection with the visit of the members of the Senate on 30-9-50.
2. Exhibition of students' works in connection with the visit of the members of the Board of Studies on 20-12-50.
3. Exhibition of the work of the Staff (in the Picture Gallery, Baroda Museum) during the University Week Celebration on 3-12-50.
4. Exhibition of students' work in connection with the visit of Hon'ble Justice Chagla on 11-1-51.

8. Extra Curricular Activities :

The Faculty had arranged three film-shows and one puppet show for the students and the staff. The students organised an entertainment programme with the co-operation of the Music College to celebrate the Independence Day. A special programme of the performance of Ceylonese Dancers was arranged by this Faculty on 19-9-50 in the Central Hall of the Baroda College.

During University Week Celebration, a variety entertainment programme was arranged under the direction of the Dean of the Faculty and the Faculty contributed items called "Shadow Play" and "Statue Poses" which won prizes and merit certificates.

On 3rd March '51 a lecture on Psychology and Aesthetics was arranged with the co-operation of Professor T.K.N. Menon, Dean of the Faculty of Education and Psychology.

Further, the Faculty organised two study tours for the students, (1) to Sanchi and (2) to Delhi, Agra and Mathura. The first one was conducted by Shri N. N. Chaudhary and the students were given the opportunity to study in detail the forms of earliest Indian traditional sculpture. The other one was conducted by Shri U. P. Rao and the study was mainly devoted to landscape painting. It was decided to hold the exhibition of these works in July, 1951.

(B) MUSIC COLLEGE.

1. Buildings :—

The Degree classes of the College were held in the University campus in a bungalow called "the Resident Professor's Bungalow." The Diploma classes of the Music College formerly known as the "Bharatiya Sangit Mahavidyalaya," were continued in the Govindrao Central School Building which is situated in the heart of the city.

2. Courses of Study :

(a) **Degree classes:**—The educational programme of the Music College is divided into Preparatory and Specialisation courses leading to the degree of Bachelor of Music. The main aim of the Preparatory courses is to find out the capacity of students and their main interest by introducing them to a group of relevant art forms. The specialisation courses consist of intensive practical training, a sound knowledge of cultural historical background, and aesthetic significance of one major subject such as Vocal, or Instrumental music (Dilruba, Sitar, Violin and Tabla), Dance and Dramatics. Since the courses in all the subjects excepting Dramatics were ready, they were started and English Language and Cultural History were also added in order to raise the standard. Besides this, the Music College also provided special evening dance classes for students who wanted to follow Fine Arts as a hobby. These classes were conducted in the Resident Professor's Bungalow.

(b) **Diploma Classes:**—For the study of Vocal Music, first to fourth books of the Hindustani Sangeet Paddhati by late Pandit V. N. Bhattachande were used. The same books are prescribed for Instrumental Music played on Dilruba and Violin. For Tabla and Sitar, courses as prepared by the respective teachers, were taught.

3. Number of students :

The number of students enrolled in Degree Classes in 1950-51 was as under:—

Year.	Men.	Women.	Total.
Preparatory Year.	4	1	5
Second Year.	1	5	6
Total...	5	6	11

In addition, the total number of Non-Collegiate students belonging to all departments was 13.

The number of students enrolled in Diploma Classes (including all sections) in 1950-51 was as under:—

Year.	Men.	Women.	Total.
First Year.	82	10	92
Second Year.	26	5	31

Third Year.	16	11	27
Fourth Year.	9	3	12
Fifth Year.	8	6	14
Grand Total...	141	35	176

4. Library & Museum :

(a) At present there are nearly 200 books in the College Library. Moreover, the Reading Room of this College subscribed to some journals and daily news papers useful to the College students. At present there are 300 Musical records of vocal as well as instrumental music of well known artists.

(b) (1) Number of periodicals subscribed during the year	14
(2) Total amount spent on periodicals	Rs. 330-0-0
(3) Total number of books purchased during the year	21
(4) Total amount spent on books	Rs. 250-0-0
(5) Total amount spent on binding, repairing etc., of books and periodicals	Nil

5. Events Worthy of Note :

Pandit V. N. Bhatkhande's anniversary was celebrated.

On 15th August, and 2nd October 1950, small programmes were organised by the Diploma class Students' Union.

The students of the Music College and the members of the staff arranged a musical concert and dancing performance during the University Week Celebrations in the month of December, 1950.

Kandian dancers and Shri Mohanlal Kathak were invited for giving performances of dance.

Shri Mohan Khokar, head of the Dancing Department delivered a lecture on "Bharata Natya" in the Rotary Club in March, 1951.

Lastly, on 30th June, 1951, a small programme of "Mangal Prabhat" was organised, where Shrimati Hansa Mehta was the chief guest.

During the year under report, Hon'ble Shri R. R. Divakar, Shri C. J. Sutaria, and the Delegates of All India Teachers' Conference visited the Institution.

CHAPTER XIII

FACULTY OF HOME SCIENCE.

1. Buildings and Hostels.

The Faculty of Home Science has two institutions attached to it viz. Nursery School and University Women's Hostel.

The Faculty continued to be housed on the first floor of the Old Baroda High School Building and the Nursery School (Chetan Balwadi) in Sayaji Bag in the White Pavilion, a building belonging to and kindly leased by the Baroda Borough Municipality to the University on a nominal rent of Re. 1 per month. The Women's Hostel, which is directly under the supervision of the Dean of the Faculty was housed in the Residency Staff Quarters.

The ground floor of the new building of the Women's Hostel was nearing completion and it is expected that the hostel will be shifted to the new building in November 1951. It is also proposed to construct a new building for the Faculty. The plans and estimates have already been approved and the construction is to be taken up during the next financial year. The new building will also accommodate Chetan Balwadi.

2. Courses of Studies :

The Faculty offers a four years' course leading to the degree of B.Sc. (Home Science). The second year course was started from academic year commencing from June, 1951. The subjects included in the curriculum are English compulsory, Languages, Psychology, Chemistry (Theory & Practical), Home Management, Personal Hygiene, Food and Nutrition (Theory and Practical), Biology, Physiology and Anatomy, Home Crafts and Sewing, and Music and Arts appreciation.

3. Number of Students :

The number of students on the roll in June, 1951, was 33 in First year and 25 in Second year.

4. Library :

A. The Faculty maintains a separate library well equipped with reading rooms and lending section. Special arrangement is made for keeping the library open daily in the afternoon from 3 p.m. to 5 p.m. There were 739 books costing Rs. 5,496-0-9 at the end of the year. The idea of having a museum is under consideration.

B. (1) Number of periodicals subscribed during the year...	40
(2) Total amount spent approximately	Rs. 650-0-0
(3) Number of books purchased during the year...	745
(4) Total amount spent on books...	Rs. 2,521-0-0
(5) Total amount spent on binding etc...	Rs. 85-2-0

5. Laboratory :

The Faculty has a Food and Nutrition Laboratory specially fitted for the purpose with Indian and foreign means of cooking.

6. Tutorials and Extension Lectures :

General mistakes were corrected in the class and for individual drawbacks the students were called by the teachers and necessary instruction and guidance was given to them by personal discussions.

7. Publications :

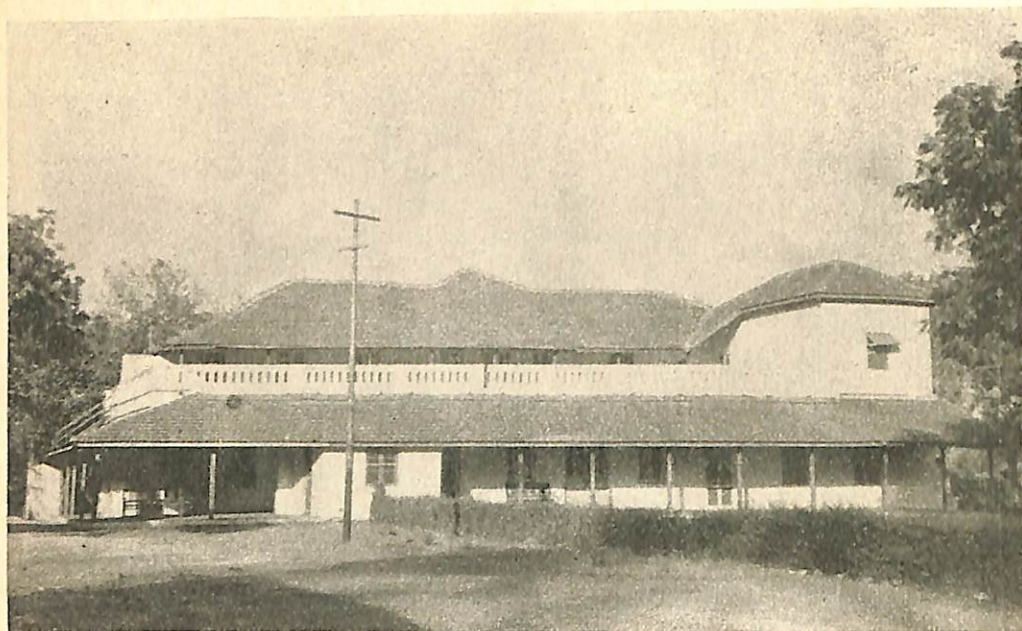
During the year under report, one of the members of the staff Mrs. K.G. Karandikar published an article "Home Management and Family Efficiency" in Forum, Vol No. 35 of 15th April, 1951.

8. Extra Curricular activities etc. :

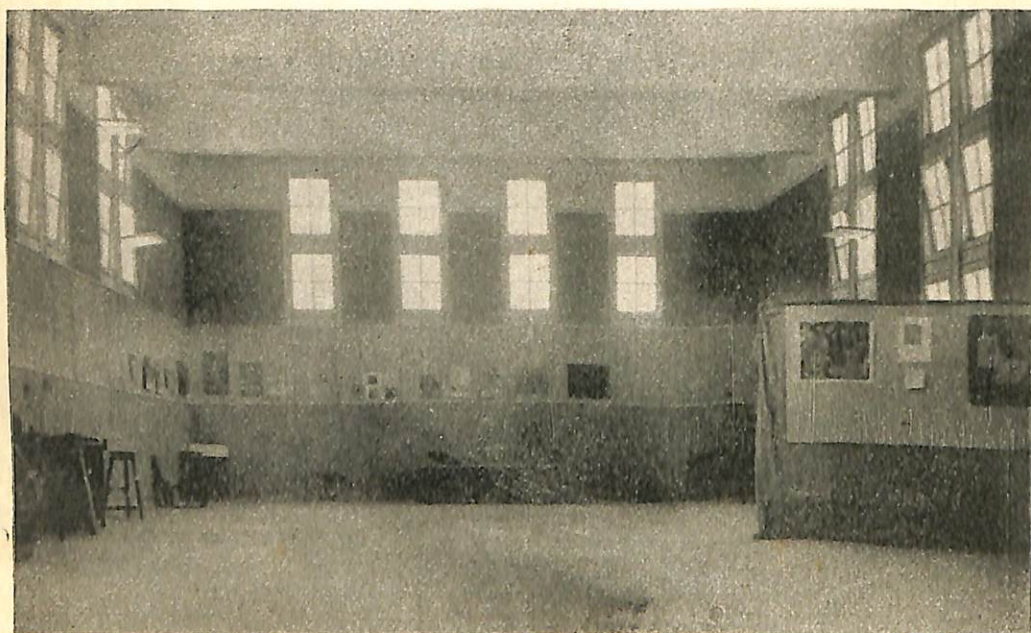
The Faculty has its Home Economics Club, the chairman being elected from among the students. There is an arrangement for indoor games during the games periods, under the supervision of the Physical Education Department. There is a Ladies' Lounge in the Faculty where arrangements for indoor games like ping-pong etc. are provided. The students participated in the sports and games during the University Week Celebrations. They also played an important part in the Variety Entertainment Programme in December, 1950. They collected a good sum for ex-service men. The students also took part in the garba-competition under the auspices of "Dulari Smarak Fund."

9. Events worthy of note :

The Faculty arranged an exhibition in December, 1950, during the University Week Celebrations and it was much appreciated by the public. This was arranged with a view to giving to the public a complete idea of Home Economics Education and Home Science. A movie show was also arranged showing the working of the students in Cornell University, U.S.A. An entertainment programme was arranged by the students of the University Women's Hostel which was appreciated. An Open House was arranged at the residence of the Dean and Dr. F. P. Kittrell, where the students came in personal contact with staff members and participated in all the games and entertainments without any distinction.



Faculty of Social Work



Fine Arts Studio-Faculty of Fine Arts

CHAPTER XIV

FACULTY OF SOCIAL WORK.

1. Buildings and Hostels.

(a) **Building** :—The Faculty shifted to the Secretary's Bungalow in the first week of June, 1951, as the Seminar Building in Baroda College Compound did not offer adequate accommodation for the increased number of staff and students. 22 students from the Faculty, 15 Junior and 7 Senior, were accommodated in the New University Hostels.

2. Courses of Study :—

The following are the subjects of studies in the Faculty :—

- FIRST TERM :—**
- (1) Sociology
 - (2) Social Pathology
 - (3) Social Economics
 - (4) Child Psychology
 - (5) Evolution of Social Work Philosophy
 - (6) Dynamics of Human Behaviour
- SECOND TERM :—**
- (1) Rural Problems and Rural Work
 - (2) Indian Social Problems I
 - (3) Problems of Industrial Labour in India
 - (4) Case Work I
 - (5) Social Group Work
 - (6) Medical Information
 - (7) Child Welfare
 - (8) Social Statistics and Research
- THIRD TERM :—**
- (1) Rural Problems and Rural Work
 - (2) Indian Social Problems II
 - (3) Problems of Industrial Labour in India II
 - (4) Case Work II
 - (5) Community Organisation
- FOURTH TERM :—**
- (1) Institutional Care for Children
 - (2) Psychiatric Information for Social Workers
 - (3) Criminology and Penal Administration
 - (4) Law and Social Work
 - (5) Field Work
 - (6) Project Report

3. Number of students duly classified on rolls :

	Men	Women	Total
Senior Class.	9	3	12
Junior Class.	21	2	23

4. Results of all the Examinations held during the period :—

Each term is considered as a Unit. Students were tested and graded periodically both in class room work and field work. The students' final grade on a subject was based on the term paper, his performance in periodical assignments and his class room participation. In field work, students were graded on their ability to apply theory to practical situations.

5. (a) Library :—

Library : During the period under review a sum of about Rs. 6,000 was spent in purchasing books and subscribing to periodicals. There were 851 volumes in the library at the close of this period.

(b) 1. Number of periodicals subscribed during the year.	18
2. Total amount spent on periodicals.	Rs. 310- 2-6
3. Total number of books purchased during the year.	851
4. Total amount spent on books.	Rs. 5,00?-15-9
5. Total amount spent on binding, repairing, etc. of books and periodicals.	Rs. 48-12-0
6. Total number of books in the Faculty.	851

6. Laboratories and Research work :—

Research work : During the second term each student was expected to select a subject for writing a Project Report. The subject taken by each student in the Senior class and the name of the research supervisor are mentioned in the Chapter XXII on Research Work.

7. Supervision :—

The method of teaching adopted in the Faculty laid emphasis on Seminar discussions. Every student was assigned to a staff member for individual conference in connection with the problems arising out of class room work and field work. The student was also helped through supervisory conferences to integrate problems of social work in his personality development.

8. Publication by the members of the staff during the period :—

Title of the Paper.	Submitted by	Submitted to	Date of publication.
1. "Social and Psychological Causes of Prostitution"	Dr. (Miss) P. Vakharia	Annual Conference of All India Association of Moral & Social Hygiene.	October, 1950.

Title of the Paper	Submitted by	Submitted to	Date of publication
2. "University Education for Social Work"	Dr. (Miss) P. Vakharia	Annual Conference of Indian Conference of Social work.	December, 1950.

9. Extra-curricular activities, Sports, Union activities, N. C. C. and Extra-mural activities :—

(a) Extra Curricular Activities :—

1. During the period, one of the members of the staff, Shri V. Gopalan, undertook a study of the rehabilitation plans of the Government of India for the refugees and spent about a month in Delhi in this connection.
2. Mr. Sugata Dasgupta after his appointment in May, 1951, made a study of surrounding rural areas with a view to starting a suitable Rural Work Centre. After a preliminary survey of approximately twelve villages, Atladra village was selected for experiment in Rural Community Organisation.
3. **Camps :—**Two camps were organised during the period, one at Itola and the other at Karanali, in order to provide students with experience in democratic group living.

(b) **Sports :** During the year, one of the students, Shri K. N. George was the Vice Captain of the University Football Team.

10. Events worthy of Note :—

(i) **Social Work Exhibition :** At the instance of the School, an exhibition of pictures and posters on social work was held during the University Week in December, 1950. Many national and international agencies co-operated by sending material for the exhibition and keen interest was shown by the visitors to the exhibition.

(ii) With a view to helping the staff to keep in touch with the constant developments in the field and offering scope to further their own skills, it was planned to organise Seminars on 'Supervision' for staff members.

INTERMEDIATE COLLEGE.

1. Buildings and Hostels :

The College is housed on the ground floor of the Old Baroda High School Building. Two big halls in the former Technological Institute were put at the disposal of the Intermediate College for big classes. The new hall, which was under construction, was also handed over to the college. The congestion that was formerly experienced by the staff and the students was thus relieved.

The location of the Intermediate classes in the University campus is distinctly to the advantage of the Intermediate College, since there is a common staff for the Intermediate and the Degree Classes.

The old Treasury buildings situated near the University Office were with certain alterations, put at the disposal of the Intermediate College last year for accommodating forty hostel students. From June, 1951, however, the students of the College were accommodated in the new University Hostels.

2. Courses of Studies :

The College offers courses of studies leading to the First Year and Intermediate Arts and Intermediate Commerce Examinations. The new courses as framed by the University were introduced in the First Year Arts and First Year Commerce, from June 1951.

3. Library and Reading Room :—

(a) The College library had nearly 5,000 volumes on various subjects taught in the College. The students were encouraged by the members of the staff to use the Library. A list of books in English for extra reading was put on the notice board of the Library. New books worth about Rs. 2,000 were purchased for the Library.

A Reading Room was maintained out of the Union Fees collected from the students. The College subscribed a large number of dailies and periodicals. Nearly two hundred students took advantage of the Reading Room daily. Special arrangements are made for lady-students.

- | | |
|--|--------------|
| (b) 1. Number of periodicals subscribed during the year. | 12 |
| 2. Total amount spent on periodicals. | Rs. 250- 0-0 |

- | | |
|---|----------------|
| 3. Total number of books purchased during the year. | 200 |
| 4. Total amount spent on books. | Rs. 1,025- 8-0 |
| 5. Total amount spent on binding, repairing, etc. of books and periodicals. | Nil. |

4. Tutorials :

To discourage cramming habits and to encourage day to day systematic work, tutorial scheme was introduced this year whereby every student was required to write six exercises in composition in every subject during the course of the year. The reports submitted by the Lecturers and Tutors showed that more than sixty per cent of the students had written all the exercises. Only twenty per cent of the students totally neglected the work. Of these twenty per cent almost all were repeaters. In some subjects more than six exercises were done. The Lecturers or the Tutors in charge met the students in batches and corrected their defects.

5. Physical Training, Games, Sports Etc.

Physical Training is compulsory for both boys and girls. Attempts were made to make it as attractive as possible by emphasising the games side more than the Calisthenics. P. T. classes were held both in the morning and in the evening at places not far from the students' residence. Volley Ball, Basket Ball, and other team games were played by the students. Exemptions from P. T. were given in exceptional cases. The successful performance of the mass drill by the students of the College on the occasion of the opening day of the University Week won compliments from all who were present. The students were also encouraged to join the N. C. C. and take part in games. Out of the total strength of 315 cadets, 61 cadets were from the Intermediate College. Thirteen cadets joined the Special Instructors' class. Nine cadets from the College were selected as Instructors for the N. C. C. Nine students were included in the University Cricket team. They took part in several matches played outside Baroda. The students of the College also took part in games like Badminton, Hockey and Foot-Ball.

6. Extra Curricular Activities :

(a) Debating Society :

Six debates were held. Each time more than twelve speakers took part. The Intermediate College students took an active interest in the debates conducted by the University Union. The Pro-Vice-Chancellor,

who presided over the first debate, praised the efforts of students of this College. The most out-standing event of the year was the brilliant success of the representatives of the College in the Inter-Collegiate Debating Contest. Shri Victor D'souza and Shri Rusi Master carried away the coveted M. N. Wadia Silver Trophy which was contested by six other institutions. Besides winning the Trophy, messrs Victor D'souza and Rusi Master secured the first and second prize respectively. On the occasions of Tagore and Tilak Jayanti the College Association invited the students to speak on the life and work of these great men and offered prizes to the two best speakers.

(b) Dramatic Society :

With a desire to give a chance to develop their histrionic talents, a Dramatic Society was started. The members of the society availed themselves of the opportunity to stage a drama for the University Week Celebrations. They successfully staged Shrimati Hansaben's play "प्रजाना प्रतिनिधि."

(c) Secretarial Practice Society :—

The society arranged several lectures by men competent to speak on the subject. The members visited Kamala Soap Factory, Shivrajpur Mines, and Gujarat Cooperative School. Besides these lectures and tours, the society offered two prizes for the best essays on "The Present Position of a Secretary in a Joint-Stock Company."

(d) Gujarati Literature Society :—

With a view to create love for Gujarati literature, the Society invited well-known speakers and arranged lectures. During the course of the year the society arranged three lectures, two debating contests, a Gujarati song competition, and short-story competition. The Society offered prizes for the best performance in each item.

(e) Poor Boys' Library :—

In order to help their less fortunate brethren, the Intermediate College Association set aside a small sum to serve as a nucleus for building up a fund for Poor Boys' Library. They also collected some old books and distributed them among some fifty deserving students of the college.

(f) Excursion Trips :—

Excursion trips were also arranged. A group of students went to

Jojwa with some members of the staff. Another group went to Shivrajpur Mines and a third group visited Dabhoi.

(g) College Magazine :—

The Intermediate College Association brought out a College magazine at the end of the academic year. It contained articles contributed by the students in English, Gujarati and Marathi on topics relating to their subjects of study and life around them. The cost of the magazine was beyond the capacity of the College Association and so some advertisements were collected for the magazine from various Industries and business concerns. The venture encouraged the students to think, to observe and to develop the art of writing.

(h) Students' Association :

All these activities were conducted by the Intermediate College Students' Association with the help of the members of the staff. The Association worked in a spirit of cooperation with the University Union. Out of the eighteen students elected to the University Union by various Faculties four students were from this college. The Association celebrated the Jayanti of Mahatma Gandhi, Tagore and Tilak, arranged a musical concert on Independence Day, planted trees during the Vanmahotsav, and managed the Reading Room, the Poor Boys' Library, the College Magazine and the Debating Society. During the University Week Celebrations the Association encouraged the students to work as volunteers, to compete for various games, and to take part in mass drill, variety entertainment and Inter-Collegiate Debate. Thus every attempt was made during the course of the year to help the students in their study, games, sports and social life.

BARODA SANSKRIT MAHAVIDYALAYA.

1. Building and Hostel:—

The institution was started on 3rd September, 1915, by the old Baroda State. Though, under section 42 of The Maharaja Sayajirao University of Baroda Act 1949, it became a constituent institution of the University from 30-4-49, its management continued to be with the Government of Bombay till it was taken over by the University on 18-6-51. The Government have agreed to give a special grant of Rs. 25,000 to the University for the institution. It was housed in a rented building and had a hostel also in a hired building to accommodate twentyfive students.

2. Staff:—

The staff of the institution consists of one Principal and fifteen Adhyapakas.

3. Courses of Studies:—

The institution offers the courses in three stages as under:—

(a) Uttamkaksha or special Pandit courses of four years' duration each leading to the degree of 'Alankara' in the subjects of (i) Vyakarana (ii) Nyaya and Vaisheshik Darshan (iii) Samkhya Yoga and Vedanta Darshan (iv) Mimansa Shastra (v) Dharamashastra (vi) Jyotish Shastra and (vii) Sahitya Shastra.

(b) Madhyama Kaksha or Advanced courses of five years' duration each leading to the diploma of 'Visharad' in the branches (i) Grammar-Literature (ii) Astrology and Astronomy (iii) Ayurveda and (iv) Pali and Hinayana religion with English compulsory for all branches.

(c) Prathama Kaksha or elementary certificate courses of three years' duration each in the branches of (i) Yajurveda Yagniki (ii) Rigveda Yagniki and (iii) Purana with Grammar and Literature compulsory for all branches.

4. The number of students enrolled in various courses on 30th June, 1951, was as under:—

Kaksha	Number of students in classes (all men students)												Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
Prathama Kaksha													
Yajurveda													
Yagniki	19	6	11	...	...	...	...	...	...	...	...	...	36
Purana.	3	...	...	...	...	...	...	...	...	...	...	...	3
Rigveda													
Yagniki	2	2	1	...	...	...	...	...	...	...	...	...	5
Madhyama Kaksha													
Grammar.	...	...	...	4	5	1	...	1	...	...	...	...	11
Astrology and													
Astronomy	...	...	...	5	1	...	1	2	...	...	...	...	9
Ayurveda	...	...	...	1	5	9	5	6	...	...	...	...	26
Uttamkaksha													
Grammar.	...	...	...	...	...	...	...	...	2	2	1	1	6
Astrology and													
Astronomy.	...	...	...	...	...	...	...	...	1	...	1	3	5
Dharamshastra.	...	...	...	...	...	...	...	...	2	2	...	...	4

Grand Total.... 105

5. Library and Reading Room:—

(a) Due to lack of space no reading room was available for students. The institution had a small library for the use of the members of the staff only.

(b) 1. Number of periodicals subscribed during the year.	5
2. Total amount spent on periodicals.	42-9-0
3. Total number of books purchased during the year.	10
4. Total amount spent on books.	60-3-9
5. Total amount spent on binding repairing etc. of books and periodicals.	nil.

6. Scholarships, prizes, medals:—

An amount of Rs. 7,200 was sanctioned by the Government annually in the budget of the institution for giving scholarships to poor and deserv-

ing students. Scholarships ranging from Rs. 10 to Rs. 15 p.m. were awarded to students according to rules laid down for the award. Besides, the institution has several small funds and donations from which medals, prizes and books were given every year to the students of the institution according to the conditions laid down for each donation. The University has continued this amount for scholarships.

7. Results of the Examination held in February, 1951 :—

Ninetyfour students registered in the Mahavidyalaya for examination and eightyfour appeared. Fiftyone students passed the examination.

Several students of the institution secured additional titles and certificates by appearing at the different examinations held under the auspices of Shravan Mas Daxina Examinations, the Banaras Government Sanskrit College, Bengal Government Sanskrit Association, Nikhil Bharatiya Ayurveda Vidyapith, the Brihad Gujarat Sanskrit Association and the Bharatiya Vidyabhavan Examinations.

8. Publications :—

Shri I. G. Shukla, a member of the staff published "Mandap*und-siddhi" by Vitthal Dixit, a work on Yagniki with a translation in Gujarati and commentary in Sanskrit.

9. Extra-curricular activities :—

The institution arranges debates in Sanskrit called 'Shastriya vada' and lectures in Sanskrit by different Adhyapakas on every friday. There was a students' body called 'Shardopasak Mandal' which arranged an annual celebration of 'Shardotsava.' This mandal also arranged extension lectures in Sanskrit once a month on the third saturday by learned Sanskrit scholars, local as well as outsiders. The lectures were open to the public.

CHAPTER XVII

ORIENTAL INSTITUTE.

1. Staff :—

The Oriental Institute remained under the charge of the permanent Director, Dr. B. Bhattacharya, M.A., Ph.D., upto 12-10-1950 when he went on leave for the remaining period of the year. Shri G. H. Bhatt, M.A., Reader in Sanskrit, was appointed as Acting Director. The Director was assisted in his work by a staff of seven technical assistants.

2. Activities :—

The work of the Oriental Institute was divided into seven branches, and the report on the working is given below :—

1. Gaekwad's Oriental Series.
2. Editorial Establishment.
3. Manuscripts Section.
4. Printed Books Section.
5. Translation Branch.
6. Exchange.
7. Ramayana Department.

3. Gaekwad's Oriental Series :—

The printing and publication of the Gaekwad's Oriental Series, enjoying world-wide reputation, was the principal work of the Oriental Institute. In this Series 116 volumes were in the list of books published, 11 were in the press and 18 were in different stages of publication. A brief description of the two books published by the Institute, under the authority of the Maharaja Sayajirao University of Baroda, is given below :—

(1) GOS. CXII. Kṛtyakalpataru of Bhatta Laxmidhara Vol. X. Suddhi-kanda edited by K. V. Rangswamy Ayangar.

This volume comprising 220 pages royal octavo dealt with Suddhi-kanda i-e. purity of body and mind, which is considered as the most essential factor for the performance of religious rites and ceremonies. A close study of the rules of Suddhi and Asuddhi in the Dharmasastra is desirable from the historical and sociological point of view.

(2) GOS. CXV. Aparajitaprecchha of Bhuvanadeva edited by P. A. Mankad.

Aparajitaprcchha meaning literally "the questionnaire framed by Aparajita" is an exposition by the comparative method of the theory and practice of the Science of Vastu by Visvakarman who solved a series of questions put to him by Aparajita, the youngest of his four sons (Manasa). After a life long study of this most difficult subject, Shri. P. A. Mankad has discussed the most cumbrous points exhaustively. The Introduction comprising 141 pages is, a small encyclopaedia on Architecture. This priceless work, almost forgotten, has been practically restored from oblivion and presented to scholars for the first time in print.

4. Editorial Establishment: —

(1) The Acting Director attended to the work of the Institute in addition to the usual teaching work in the Faculty of Arts. After the opening of the Ramayana Department, he issued an appeal to the private MS. libraries in India for the loan of Ramayana Manuscripts.

Besides the above, he guided seven students who were preparing thesis for the Ph. D. Degree. He also contributed the following articles to different journals.

1. The Literature on Gita in the Suddhadvaita School (Annals of the Bhandarkar Oriental Research Institute, Poona, Vol. XXX., pt., I and II, August, 1950)
2. The Draupadivastaraharana episode: an interpolation, in the Mahabharata. (Journal of Oriental Research, Madras, Vol. XVIII, pt. III, May, 1951).
3. A Sociological Study of the Bhagavata (Sarada, August, 1950, Baroda).
4. Idea of Independence in the Sanskrit Literature ('Manasi,' March, 1951, Bhavanagar).

(ii) The Jain Pandit.

The Jain Pandit completed the first volume of the Dvadasara Nayacakra, a Jain work on Logic. It will be shortly published with an introduction. He was, as usual, in charge of the Manuscripts Section and answered queries from several scholars. He also lectured to M. A. students in old Gujarati. He wrote the following articles:—

1. Reminiscences of the Jesalmer Bhandar (Jain Satya Prakasha Vol. XVI, Nos. 1, 3, 4 and 8).
2. Reference to Saurashtra in Jain Literature (submitted for publication to the Saurashtra Itihasa Parishad, Junagadh).

(iii) The Srauta Pandit :—

The Srauta Pandit continued the work of editing the first volume of Bharata's Natyasastra (Chapters 1-7). He collated the last two chapters (6 and 7) of the text and the commentary, readjusted the 108 Karanas in the light of the information gathered from Chidambaram, and prepared the press copy of the first chapter. He revised another work, Tantrarahasya, (G. O. S. 24), for the second edition and prepared the press copy of the three fourth of the text of which eight pages had been printed. He was also busy with the preparation of the bibliography of Ramayana Manuscripts.

(iv) The Catalogue Assistant :—

The Catalogue Assistant revised the press copy of the Sanskrit work Madanamaharnava, for the GOS. and prepared a subject index. He supplied information regarding MSS. to several scholars and institutions. He took a stock of the manuscripts and prepared a list of Ramayana MSS. He was deputed to study the work of the Mahabharata Department in the Bhandarkar Oriental Research Institute of Poona.

(v) The Technical Assistant :—

The Technical Assistant prepared the press copy of some portion of Nayacakra which is being edited by Pandit L. B. Gandhi as well as of other works which would appear as appendix to the Nayacakra. He read the proofs of the Aparajitaprcchha, a work recently published in the GOS., and prepared the subject index. He read the proofs of another work Paramananda Kavya, edited by Rao Bahadur G. S. Sardesai for the Gaekwad's Oriental Series. Owing to the illness of the learned editor, he prepared the press copy of the work. He also prepared a list of Ramayana MSS and rendered valuable help to the students, scholars and Research Institutes.

5. Manuscript Section :—

With the addition of two MSS. of Bharata's Natyasastra, the total number of MSS came to 14,042. There was a great demand for our MSS. from scholars and Research Institutes such as Bhandarkar Oriental Research Institute, Deccan College Post-graduate and Research Institute, and Vaidika Samsidhana Mandala (all the three of Poona), Bharatiya Vidya Bhavana of Bombay and Kuppaswamy Sastri Research Institute of Madras. At the request of the Principal of Sri Kala Sangita Bharati (College of Music and Fine Arts), Banaras Hindu University, copies of twelve manuscripts on

music were supplied to him. Similarly copies of seven MSS on Architecture were supplied to Shri Prabhasankara Oghadbhai Sompura, Architect and Residential Supervisor at Somnath Patan in Saurashtra.

Many rare and valuable MSS which were arranged topic wise in the exhibition during the University Week Celebration, drew the attention of visitors. Fourteen MSS. on the different subjects were also exhibited in the Gujarati Section in the All India Cultural Conference, New Delhi. Fifteen MSS. of the Institute were placed in the exhibition in Baroda arranged by the Visual Education Conference.

6. Printed Section :—

The Superintendent of the Printed Section prepared a list of books to be ordered out, accessioned 328 new books, discarded 29 books and sent 350 books for binding. He registered 122 new readers and helped readers, scholars and the members of the staff in finding out references. The number of books in the library at the end of the year was 15,083. The number of books circulated was 1,616, while the total number of discarded books was 1,345 thus bringing the net total of books to 13,738. He took a stock of the books and helped the Ramayana Department in various ways. He also prepared a list of Ramayana Manuscripts. He supplied information on a variety of subjects to research scholars and institutions in India. He also contributed the following articles :—

1. Sri Ganesa Puja Rahasya (Jnanesvara, Vol. 3, Nos. 1 and 3 September, 1950, and March, 1951, Poona) (in Marathi).
2. Shi Ganesa Puja Rahasya (Sarada, December, 1950, and January, 1951, Baroda). (in Gujarati).
3. Exposition of the Doctrines of the Four Acharyas on the Uttaramimamsa (Jananesvara Vol. 3 No. 2, December, 1950, Poona).
4. Namasmaramanamimamsa (Janakalyana, Vol. I, No. 1, February, 1951, Ahmedabad).
5. Significance of the Time of Upakarma (Jananesvara Vol. III No. 4, 1951, Poona).

7. Translation Branch :—

(i) Publication Series :—

The Translation Bureau prepared and published books in the following series :—

1. Sri Sayaji Sahityamala.

2. Sri Sayaji Balajnanamala.
3. Sri Matusri Jamnabai Smarak Granthamala.
4. Sri Sayaji Gramavikasamala.

(ii) Publication Work :—

In the Sahityamala four books were published during the period under report. These were (i) 'Sagarani Patraresa' edited by Sri G. D. Raichura and Shri Y. J. Tripathi, (2) 'Rajyabhiseka Grantha' by Sri G. H. Bhatt, (3) 'Rajabhisekakandrika' by Sri D. N. Apte, (4) 'Uttarapatha' by Sri Ramesh R. Gautam.

In the third series, the work on "The Position of Women in Hindu Civilization" by Dr. A. S. Altekar of the Patna University was printed.

In the last series, one book entitled "Apana Gramapustakalayo" by Sri Rasulbhai N. Vora was Published.

Over and above these, 6 books "पाक केम वेचशो," "शास्त्रीय खातरेनो उपयोग" "पशु चिकित्सा," "गामडां अने शहरो," "खेडुत अने सहकार" "गामडां अने आरोग्य." "were re-printed as copies of these books were exhausted owing to great demand.

The sale proceeds of the books in Sri Sayajisahityamala and the Balajnanamala came to Rs. 168-2-0 while that of the Gramvikasmala was Rs. 38-12-0.

(iii) The Translation Assistant :—

The Translation Assistant was in charge of the work of the Translation Branch throughout the period and carried out the work of publication of books in the four different series run by the Translation Branch. He prepared the list of the Ramayana MSS. from the different MSS. catalogue.

He also did the tutorial work of the Gujarati Department from August, 1950, to March, 1951.

His literary contribution was as follows :—

Books :

1. Edited "Sagarani Patraresa" jointly with Sri G. D. Raichura published as number 311 of the Sri SayajiSahityaMala.

2. Articles :

- (a) 'Gujarata nu Gazal Sahitya'—a critical study of the Gazal literature of Gujarat (published in the Deepotsavi number of Bombay Samachar, 1950).

- (b) 'Parabrahmana Darsan'—an article based on an allegorical story from the Upanisads (published in the Deepotsavi number of Yugantara, 1950).

8. Exchange :

The publications of the Gaekwad's Oriental Series are presented to eminent scholars in Indology in India and abroad, and to Research Institutes all over the world. The publications are also exchanged with those of the learned societies throughout the world including England, France, Germany, Holland, Norway, America, China, Indonesia and Indo-china. Sixty oriental journals are also received on exchange basis.

9. Ramayana Department :—

In pursuance of the resolution of the Syndicate of the University that a critical edition of Valmiki Ramayana should be prepared on the lines of the critical edition of the Mahabharata published by the Bhandarkar Oriental Research Institute, Poona, a Ramayana Department was opened in the Oriental Institute by Shrimati Hansa Mehta, Vice-Chancellor on 12-3-1951.

The work of the Department commenced with the preparation of a bibliography of Ramayana MSS. from the printed catalogues of MS. libraries in India and outside, and an appeal to individuals and the owners of private libraries for a loan of Ramayana MSS. The bibliography was almost complete and a card index giving all the details of the Ramayana Manuscripts known in the world had to be prepared before the work of collation began. The response to the appeal was encouraging.

Shri G. H. Bhatt, Acting Director, and Shri M. R. Nambiyar, the Catalogue Assistant, were deputed to Poona to study the working of the Mahabharata Department in the Bhandarkar Oriental Research Institute. Dr. S. K. Belvalkar, the General Editor of the critical edition of the Mahabharata kindly prepared a Note on the proposed critical edition of the Ramayana and gave valuable advice and guidance.

There were in all eighty Ramayana MSS. in the Oriental Institute in Grantha, Telugu, Nandinagari and Devanagari scripts. Efforts were made to procure more manuscripts from the different parts of India. The Printed Section of the Ramayana Library was further enriched by the addition of several editions of the epic and of the general books bearing on the subject.

10. Exhibition :—

An exhibition was arranged in the Oriental Institute during the University Week Celebrations. It consisted of four sections as follows :—

Section Number 1.

1. 313 books published in Sayajisahityamala arranged subject wise.
2. 194 books of Shri Sayajibalajanamala arranged under six topics.
3. Books published in Sri Sayaji Gramavikasmala and Matusri Jamnabai Smarak Granthamala.
4. Charts illustrating some activities of rural reconstruction—the object of Gramavikasmala series.
5. Reports of Gujarati and Marathi lectures series by distinguished authors from 1934-1948.

Section Number 2.

1. Publications of the Gaekwad's Oriental Series arranged under 21 subjects.
2. Rare and important books, illustrated research publications and important literary journals, preserved in the Institute.
3. Important Jaina Publications.

Section Number 3.

1. Rare and unique manuscripts classified subjectwise.
2. Manuscripts of different periods.
3. Some specimens of old manuscripts.
4. Manuscripts written in Gujarat.
5. Specimens of writing on different materials.
6. Instruments for manuscript writing.
7. Gujarati manuscripts.
8. Hindi manuscripts.
9. Coloured pictures (Bhagavatm Saundaryalahari and Raga and Raginis).
10. Copper plates.
11. Manuscript scrolls with paintings and microscopic writing.
12. Rare and important illustrated Jains MSS. prepared in Gujarat and arranged chronologically.
13. Gaekwad's Oriental Series charts of manuscripts materials from the origin to the finished products.

Section Number 4.

Method of preservation of more than 14,000 MSS. in Sanskrit, Prakrit, Apabhramsa, old Gujarati, Hindi and Marathi.

CHAPTER XVIII

UNIVERSITY LIBRARY

The Library is housed in the Old Residency Office Buildings.

1. Book Stock :—

The total number of books in the Library on 31-7-1950, was 18,146. To this stock were added 2,169 books at the cost of Rs. 38,673-8-0. Besides, the University Library acquired some valuable books and journals on Mathematics from the Mathematics Department of the Faculty of Arts. The number of books thus transferred during the year was 145. Similarly 491 books were received as gift from the Oriental Institute, which included mostly books of Gaekwad Oriental Series, Sayaji Sahityamala and Sayaji-Baljnana-mala. Over and above this, 3,600 books are transferred to the University by the Government of Bombay from the stock of books of the old Baroda State Departmental Libraries. The total number of books, therefore, on 30th June, 1951, was 24, 551.

2. Periodicals :—

106 periodicals on various subjects such as Science, Mathematics and Statistics, Physics, Engineering, Chemistry, Technology, Natural Science and Biology, Zoology, Medicine, Home Science and other useful Arts, Fine Arts, Literature and Linguistics, Philosophy, Psychology, Education, Geography, History, Politics, Economics, Sociology, and Law were subscribed during the year and 55 periodicals were received as gift from various institutions and publishers.

3. Lending Section :—

Lending Section and the Reading Room of the Library started work only from 1st February, 1951, and the number of readers registered during the year (during five months only) is shown under the following categories :—

1. Research Students	2
2. Post-graduate Students	19
3. Under-graduate Students	36
4. University Teachers	7
5. Others	19
Total...	83

Categories of readers in the Reading Room :—

1. Research students	1
2. Post-graduate students	26
3. Under-graduate students	15
4. Teachers	4
5. Others	1
Total...	47

Average number of readers visiting the Periodicals Room was fifteen per day.

1. Average number of books issued per day	5
2. Total number of books issued	405
3. Total number of readers enrolled	83
4. Readers in Reference Room	47

It may be mentioned that the number of readers was much above the average towards the end of the period.

4. Furniture and Fittings :—

There is an addition of three periodicals racks for the display of periodicals.

5. Events worthy of note :—

1. At the request of the J. and J. College of Science, and C. B. Patel Arts Institute, Nadiad, the Assistant Librarian, Shri C. P. Shukla went there to arrange and classify the said library.

2. The Assistant Librarian, Shri C. P. Shukla was deputed by the University Authorities to attend the Ninth All India Library Conference held at Indore during May, (11th to 14th) 1951.

3. The Assistant Librarian assisted in organising and re-arranging the Library of the Faculty of Arts.

CHAPTER XIX

UNIVERSITY UNION

1. The Maharaja Sayajirao University Union was established for the first time in January, 1950, with a view to training up students to manage their own affairs. Its main object was to supplement the academic teaching by means of extra curricular activities. A grant of Rs. 5,000 was given by the University in the beginning for fitting up the Union with furniture and other materials.

2. Principal S. M. Wadia was nominated as the first President and Shri H. C. Malkani as the Treasurer of the Union. The University also nominated Dr. Thakorbhai Patel and Shri Bhailalbhai Contractor as members of the Executive Committee of the Union. As required by the Union Constitution, elections were held in July, and November, 1950.

3. The total number of the meetings of the Executive Committee during the first term was six while during the second term there were four meetings. There were two meetings of General Body of the Union during the year, one each term.

4. The Executive Committee formed various sub-committees. The following lectures and functions were arranged during the year :—

Subject or Day	Speakers	President
1. Tilak Jayanti (1st August, 50)	Shri C. P. Shah	Prof Kolhatkar.
2. Tagore Jayanti (7th August, 50)	Shri Karsandas Manek	Shri G. B. Pandya.
3. Independence Day (15th August, 50)	Unfurling of flag by Shrimati Hansa Mehta	
4. "Merger of State"	Shri V. P. Menon	Shrimati Hansa Mehta.
5. "University Unions."	Prof A. R. Wadia	Shri Chiman Patel.
6. "The importance and functions of Home Economics in present day education."	Dr. Miss Kitrell	Shrimati Hansa Mehta.
7. "Students and United Nations."	Shri Satya Dev Sharma	Prof. A. R. Wadia.

Subject or Day	Speakers	President
8. "Message of Mahatmaji."	Prof. Davar	Shri Chhotabhai Sutaria.
9. "United Nations Day."	Dr. S. M. Ali	Prof. A. R. Wadia.

Reading Room and Library

The Reading Room was furnished with Indian and Foreign magazines besides some dailies and weeklies. Books for general reading worth nearly Rs. 772 were purchased during the year under report.

Games

Games like Carrom, Ping-Pong, Playing cards and several other indoor games were provided. One Ping-Pong table was purchased in addition to the one already obtained from the Commerce College, as there was a great demand from the students. Games tournaments were held during the year and prizes were awarded to the winners. The game of Badminton was placed in charge of the President of the Union with a grant of Rs. 1,500 from the University.

Co-operative Stores

The Bye-laws were framed by the Committee and were approved with certain modifications by the Executive Committee. The store was duly registered but the actual working of the store could not begin during the year.

Social Service League

The Committee decided to collect money and books to help the poor students of the University. Accordingly, on the Independence Day, August 15th, 1950, a sum of nearly Rs. 450 was collected along with a few books from the public. As the funds were not sufficient to meet with the needs of all the Faculties, it was thought desirable to postpone the distribution of the funds until some substantial funds were collected.

UNESCO Club

The Union was duly affiliated and relevant literature was received from the Head Office. This was made available to the students. October 24th, 1950, was celebrated as United Nations Day. Two films were shown to the students and lectures were arranged also.

CHAPTER XX

I. Visits

The following distinguished personalities visited the University during the period under report.

1. Hon'ble Shri Morarji Desai, Home Minister, Government of Bombay, paid a visit to the University on 2-8-50.
2. Shri V. P. Menon, Adviser to the States Ministry, addressed the students and staff of the University on 'Merger of States' in the Central Hall of the Baroda College on 2-8-50.
3. Shri Madho Swarup Vats, Director General of Archaeology, visited the Department of Archaeology in the Faculty of Arts on 21-8-50.
4. The Hon'ble Justice N. H. Bhagvati, M.A. LL.B. Judge of the High Court of Bombay and the Vice-Chancellor of the Bombay University was the chief guest in the University Week Celebrations and he gave a lecture on Third December, 1950.
5. The Hon'ble Justice M. C. Chagla accompanied by Mrs. Chagla visited the Faculties of Home Science and Fine Arts on 11-1-51 and they evinced great interest in the work of these Faculties.
6. The Hon'ble R. R. Diwakar, Minister for Information and Broadcasting Government of India, paid a visit to the University and to the new Faculties of Home Science and Fine Arts on Second February, 1951.

II. University Extension and other lectures.

The following lectures were delivered under the auspices of the University during the year under report :—

Name of the Lecturer.	Date of the lecture	Subject of the Lecture.
1. Dr. (Mrs.) Lois B. Murphy.	13-9-50	Educational Problems in the U.S.A.
2. Dr. H. D. Sankalia.	1-10-50	Archaeology and Tradition.
3. Dr. H. D. Sankalia.	3-10-50	Archaeological Planning for Gujarat, Kathiawad and Western India.

Name of the Lecturer.	Date of the lecture	Subject of the Lecture.
4. Miss E. Hersey, Social Welfare Attache to U.S.A. Embassy, New Delhi.	3-12-50	General talk.
5. Dr. H. D. Sankalia	15-12-50	Archaeologists and Detectives.
6. Dr. N. S. N. Sastry.	3-1-51	Studies on the Appreciation of Beauty.
7. Dr. Gardener Murphy.	12-1-51	The UNESCO Studies of Social Tensions.
8. Dr. A. C. Ewing.	30-1-51 31-1-51	Recent Trends in British Philosophy.
9. Dr. Paul A. Schilpp of North Western University, U. S. A. & American Delegate to the Silver Jubilee Session of the Indian Philosophical Congress.	12-2-51 13-2-51	On Human Understanding. Wanted A Social Philosophy for the Atomic Age.
10. Dr. W. C. de Leeuw	10-3-51	Land Reclamations in the Netherlands.

11. Under the auspices of the Maharaja Sayajirao III Golden Jubilee Memorial Series, Sangit Samrat Pandit Omkarnath Thakur delivered a series of two lectures in Gujarati on संगीत सृष्टि "राग अने रस" and "भारतीय संगीतके भिन्नमत एवं वर्तमान संप्रदाय" on seventh and eighth December, 1950.

Shrimati Hansa Mehta, Vice-Chancellor presided. The lectures formed a part of the University Week Celebrations.

12. Under the auspices of Sir Sayajirao Gaekwad Honorary Lecture Series Prof. K. T. Shah delivered three lectures in English on 'Ancient Foundations of Economics in India' on 19th, 20th and 21st February, 1950.

III Delegation to All India Conference.

The following members of the University staff were deputed to attend the All India Conferences shown against their respective names as delegates of the University during the year under report :—

1. Dr. (Miss) Parin Vakharia, Dean, Faculty of Social Work.
 1. All India Conference of Moral and Social Hygiene, Delhi. 18-10-50 to 20-10-50.
 2. Conference of Social Work, Jamshedpur. 29-12-50 to 30-12-50.
2. Prof. T. K. N. Menon, Dean, Faculty of Education and Psychology, Baroda.
 1. All India Education Conference, Secunderabad. 28-10-50 to 30-10-50.
 2. Science Congress, Bangalore. 2-1-51 to 8-1-51.
3. Prof. C. S. Patel, Dean, Faculty of Science.
 1. Discussion on Purifications by Ion exchange and its many applications organised by the National Chemical Laboratory, Poona. 24-11-50.
4. Dr. D. V. Gogate, Reader in Physics, Faculty of Science.
 1. International Conference on Elementary Particles, Bombay. 14-12-50 to 24-12-50.
 2. Science Congress, Bangalore. 2-1-51 to 8-1-51.
5. Prof. A. R. Wadia, Pro-Vice-Chancellor, M. S. University.
 1. Indian Philosophical Congress, Calcutta. 20-12-50 to 24-12-50.
6. Shri. D. M. Patel, Reader in Philosophy, Faculty of Arts.
 1. Indian Philosophical Congress, Calcutta. 20-12-50 to 24-12-50.
7. Shri H. C. Malkani, Reader in Economics, Faculty of Arts.
 1. Economics Conference, Aligarh. 22-12-50 to 24-12-1950.
8. Dr. M. R. Majmudar, Senior Lecturer, Faculty of Arts.
 1. History Congress, Nagpur. December, 1950.
9. Shrimati P. Pathak, Junior Lecturer, Faculty of Education and Psychology.
 1. Science Congress, Bangalore. 2-1-51 to 8-1-51.

10. Dr. V. G. Pathak, Reader in Botany, Faculty of Science.
 1. Science Congress, Bangalore. 2-1-51 to 8-1-51.
11. N. M. Bhatt, Reader in Statistics, Faculty of Arts.
 1. Science Congress, Bangalore. 2-1-51 to 8-1-51.
12. Shri N. B. Patel, University Engineer, Baroda.
 1. Annual Meeting of the Institute of Engineers (India), Bombay. 14-1-51.
13. Prof. A. C. Sahgal, Faculty of Technology (including Engineering).
 1. Meeting of the A. P. T. I., India, Calcutta. 5th, 6th and 7th February, 1951.
14. Shri L. I. Bhatt, Reader in Civil Engineering, Faculty of Technology (including Engineering).
 1. Indian Roads Conference Calcutta. 18-2-51 to 25-2-51.
15. Shri. C. P. Shukla, Assistant Librarian, M. S. University.
 1. IX All India Library Conference, Indore. 11-5-51 to 13-5-51.
16. Shrimati Ranjan Sadoc, Senior Lecturer in Child Development.
 1. XXV All India Educational Conference at Hyderabad. (Dn). 30-12-50.
17. Shri V. P. Dandekar, Senior Lecturer in Marathi, Faculty of Arts.
 1. XXXIV Session of the Maharashtra Sahitya Sammelan at Karwar.

CHAPTER XXI.

Students' Welfare.

1. Improvement of Hostel Facilities :—

The students' physical as well as moral and mental welfare must be and is a prime consideration in a residential University like Baroda. As mentioned in the first Annual Report one of the first steps taken by the Syndicate was the appointment of a Students' Welfare Committee. This Committee has a standing sub-committee called the Students' Hostel Welfare Committee. This committee visits the hostels off and on to supervise and make suggestions for the improvement in sanitation, living comforts, food and general health of the students. The hostels are provided with facilities of reading and common rooms and indoor games. An Honorary Medical Officer goes round each hostel once a week and also attends to urgent cases when called upon to do so. Arrangements are also made for the supply of medicines and other medical treatment on a nominal charge. The Medical Officer gives a course of lectures on First Aid and Hygiene to the students in the various Faculties.

2. New Hostels :—

During the year under report the construction of two blocks of new hostels to accommodate 244 men students was completed and one of the hostels was ready for occupation by the students from 15-6-51. The total cost of these two blocks has come to Rs. 5,73,947-7-0 Each of the two new hostel blocks provide fourteen single seated rooms and fourty seven double seated rooms, with Warden's quarters, dining hall, common room, reading room and many other facilities including water supply for twenty four hours.

3. New furniture required for the hostels has also been provided and several pieces of old furniture have been replaced by new pieces.

During the year, the construction work of a new hostel for women students to accommodate sixty three students was also undertaken; but due to unavoidable delay in the procurement of essential building materials and sanitary fittings, the building could not be completed before the end of the year.

4. During the year, a Board of eight members of the Medical College Staff appointed by the Syndicate carried out the Medical Examination of all University students. The Board consisted of the following :—

1. Dr. T. V. Patel, M. D. - Convener

2. Dr. S. D. Ambegaokar, M. D., F. R. C. S.
3. Dr. P. M. Luhar, M. R. C. P.
4. Dr. A. B. Kothari, M. S.
5. Dr. C. P. Munshi, M. D., F. C. P. S.
6. Dr. (Mrs.) Indumati Patel, M. D.
7. Dr. V. M. Shah, M. B. B. S., D. O.
8. Dr. A. M. Gandhi, M. B. B. S., D. R. M. T.

With the kind co-operation of the Superintendent of the Shri Sayaji General Hospital at Baroda, the Medical examination was conducted in that Hospital in the month of July, 1951.

The work of preparing a Statistical summary of the Medical Examination reports of the students of the University last year, was entrusted to Dr. N. M. Bhatt, the head of the Statistics Department of the University and the report is being published.* It is hoped that the statistical analysis will be vey useful and will throw considerable light on the health of the students of the University.

Students Employment Bureau

The Students' Employment Bureau tried to contact the local industrial concerns with a view to finding suitable part-time employment for needy students. The replies received were not encouraging and the Bureau, therefore, could not be of much use to students in finding out suitable jobs for them and thus help them to earn while they learn, but the University has made a beginning by providing some posts in the Faculties of Home Science and Social Work where students are paid Rs. 30 to Rs. 35 p. m. for doing part-time work.

5. Physical Education of Students :—

The University Sports Committee held four meetings during the year under report and made several recommendations to improve the Physical Education activities in the University. The Physical Education Department had a Superintendent of Physical Education, and three full time and two part time Physical Instructors to look after and organise the Physical Training and sports activities. Some members of the teaching staff also helped in the organisation of games like Cricket, Tennis, Badminton, Football, Hockey and Volley-Ball.

A well planned programme of Physical Training and Gymnastic exercises was drawn up by the Sports Committee. As recommended by the Board of Sports, Physical Training continued to be imparted in two centres

*Report published in February, 1952.

- one in the University campus for the students residing in and around the University area and the other on the grounds of the Faculty of Technology (including Engineering) for students from the city area. It may be mentioned that Physical Training was compulsory for all the students studying in the First Year and the Intermediate Class with the exception of the students who play major games, or were enrolled in the N. C. C. and those who were recommended for exemption from Physical Training by the Medical Examination Board.

During the University Week Celebrations (Third December, 1950, to Ninth December, 1950), the University Annual Sports were held and a mass parade and Physical Training demonstration formed part of the Week's activities.

The University also sent up teams to take part in Cricket, Tennis, Badminton, Hockey and Athletics events organised by the Inter-University Board.

6. The National Cadet Corps :—

The University has been allotted two companies of the National Cadet Corps, comprising of nine officers (teachers) and 315 cadets. Ten teachers were selected for being trained and deputed to the N. C. C. Officers Training camp at Belgaum in February, 1950. Nine of them received commissions and returned in May, 1950. An Officer Commanding with the necessary staff is in charge of the N. C. C. The number of cadets enrolled in the N. C. C. from different Faculties during the year under report was as follows :—

Faculty of Arts.....	58
Faculty of Science.....	138
Faculty of Technology (including Engineering).....	99
Faculty of Commerce.....	20
	<hr/> 315

8. The University Week :

A teaching and residential University naturally lays great stress on very close relationship between the teacher and the taught, and this University tried its best to bring about a close contact between the two. With that end in view, the various Faculties have been encouraged to organise several social and group activities and to come together in the Union and the Sports fields. The Syndicate have also decided to celebrate every year a

week in December when enough opportunities are offered to teachers and students to come together. The programme of the Week included a mass rally, besides Brain Trust, Inter-Collegiate Debate, Mock Parliament, Lectures, Exhibitions in various University institutions, Sports, Physical Training, Demonstrations, Music concert and Variety Entertainments. The Hon'ble Justice Shri N. H. Bhagwati, M.A., LL.B., Vice-Chancellor, University of Bombay was the chief guest and His Highness the Maharaja Fatesinh Gaekwad, then Yauraj of Baroda, gave away the prizes. All the functions of the Week were attended by a large number of invited guests. The exhibitions organised by as many as eight institutions of the University were visited by large crowds. The Week provided an excellent opportunity to the public to have an idea of the work of a Unitary and Residential University.

CHAPTER XXII

RESEARCH WORK IN THE UNIVERSITY.

During the year under report, Post-graduate and Research work was being done in the Faculties of Arts, Science, Commerce, Medicine Education and Psychology and Social Work of the University. The Department and the name of the Guide, the degree in connection with which it was undertaken, and the titles of the Research are given in the statement below :—

Department and Guide	Degree.	Subject of research.
Gujarati		
1. Faculty of Arts.		
Dr. B. J. Sandesara	Ph.D.	A critical survey of old Gujarati literature (1136 to 1424 A. D.) along a study of the cultural data supplied by it.
Dr. B. J. Sandesara	Ph.D.	A critical edition of the Jnana-gita (1616 A.D.) of Narahari with a study of the life and works of the author.
Dr. B. J. Sandesara	Ph.D.	A critical edition of the Simhasana Batrisi (1463 A.D.) of Malayacandra with a comparative study of the story cycles of the Simhasana Batrisi in Gujarati literature.
Dr. B. J. Sandesara	Ph.D.	Influence of the Sudhhadvaita philosophy on old Gujarati literature with special reference to Dayaram.
Archaeology.		
Dr. H. D. Sankalia	Ph.D.	1. Pre-Chalukya Archaeology of Southern and Central Gujarat.
Dr. H. D. Sankalia	Ph.D.	2. The Folk Art of the Mhers of Kathiawad and Rajputana.
Dr. H. D. Sankalia	Ph.D.	3. A study of the Chalukya Architecture and its relation to the literary canons of Architecture.

Department and Guide.	Degree.	Subject of research.
Oriental Institute.		
Shri G. H. Bhatt	Ph. D.	Philosophical trends in the Santi-parvan of the Mahabharata. (The thesis is ready and will be submitted very shortly).
Shri G. H. Bhatt	Ph. D.	A critical appreciation of Sri Harsha's Naisadhacarita. (Half of the work is done).
Shri G. H. Bhatt	Ph. D.	Philosophy of the Bhagvata Purana. (Some Progress).
Shri G. H. Bhatt	Ph. D.	A critical appreciation Soddhala's Udayasundari Katha. (Some progress)
Shri G. H. Bhatt	Ph. D.	The culture of the Markandeya Purana. (Some progress).
Shri G. H. Bhatt	Ph. D.	Dress and Ornaments in Ancient India.
Shri G. H. Bhatt	Ph. D.	Contribution of Women to Indian Culture.
2. Faculty of Science.		
Chemistry		
Prof. C. S. Patel	M. Sc.	Studies in the Chemical and Electrolytic Oxidation of Galactose and Lactose Hydroxylate.
Prof. C. S. Patel	M. Sc.	Studies in Glycerophosphate preparation.
Botany.		
Dr. V. G. Pathak	Ph. D.	Cytology and Embrology of Mimosae
	Ph. D.	Indian Mosses.
Dr. A. R. Chawan	Ph. D.	Flora of Pavagadh and its Ecological Aspect.

Department and Guide.	Degree.	Subject of research.
Dr. A. R. Chawan	Ph. D.	Ecological study of important grasses in Gujarat.
Zoology.		
Dr. J. C. George	M. Sc.	Vertebrate musculature.
Physics.		
Dr. D. V. Gogate	M. Sc.	Convective Heat losses.
3. Faculty of Education and Psychology.		
Prof. T. K. N. Menon	Ph. D.	1. History of Education in Gujarat (Solanki Period)
Prof. T. K. N. Menon	Ph. D.	2. Psychology of Children's Drawing.
Prof. T. K. N. Menon	Ph. D.	3. Influence of Education in England on the Education of India.
Prof. T. K. N. Menon	Ph. D.	4. The Standardization of non-verbal test of Intelligence.
Prof. T. K. N. Menon	Ph. D.	5. Reading interests of Secondary School Pupils in India.
Prof. T. K. N. Menon	M. Ed.	1. A comparative study of Pestalozzi and Gandhiji as Educational Thinkers.
Prof. T. K. N. Menon	M. Ed.	2. Education Evalution of the Library Movement with special reference to Baroda State.
Prof. T. K. N. Menon	M. Ed.	3. Critical inquiry into the Curricula for the Secondary Schools in India with special reference to Bombay Province.
Prof. T. K. N. Menon	M. Ed.	4. A critical inquiry into the Teaching of Geography in Indian Secondary Schools, in general, and Bombay Province, in particular.

Department and Guide.	Degree.	Subject of research.
Prof. T. K. N. Menon Dr. N. M. Bhatt and Shri N. N. Shukla.	M. Ed.	1. An Inquiry into the Relation between Intelligence and Examination Score.
Prof. T. K. N. Menon Dr. N. M. Bhatt and Shri N. N. Shukla	M. Ed.	2. An attempt to investigate the Co-efficient of Correlation between Intelligence and Height and Weight Measures among Boys and Girls of Ahmedabad.
Prof. T. K. N. Menon Dr. N. M. Bhatt and Shri N. N. Shukla	M. Ed.	3. An inquiry into the Relation between Intelligence and Cast and Intelligence and Parents' Profession.
Shri S. N. Mukerji	M. Ed.	1. Physical Education in the U.S.A. and its Implications.
Shri S. N. Mukerji	M. Ed.	2. The Critical study of Primary Education in the Rajpipla State.
Shri S. N. Mukerji	M. Ed.	3. Critical inquiry into the Condition of Education in the first half of the 19th Century in Gujarat.
Dr. M. S. Patel	M. Ed.	Education in Ceylon.
Shri D. G. Apte	M. Ed.	A Survey of Jain System of Education, its Problems and Practice as observed in Jain Canons.
4. Faculty of Commerce.		
Commerce.		
Prof. V. Y. Kolhatkar	Ph. D.	Modern experiments in the management of currency and credit.
Prof. V. Y. Kolhatkar	Ph. D.	Impact of Capitalism on Asiatic countries.
Prof. V. Y. Kolhatkar	M. Com with thesis.	1. History of the Labour Movement in India.

Department and Guide.	Degree.	Subject of research.
Prof. V. Y. Kolhatkar	M. Com.	2. Currency experience in India since 1920.
5. Faculty of Medicine		
Physiology		
Dr. J. D. Pathak	B.Sc., M.D. F.C.P.S.	1. Gastric response, digestion and evacuation of Indian food preparations.
Dr. J. D. Pathak	B.Sc., M.D. F.C.P.S.	2. Suitability of Rana Tigrina for Galli miamimi test for Pregnancy.
Shri M. L. Pai,	M.Sc.	Plasma Proteins fractions in diseases.
Pharmacology.		
Dr. G. K. Karandikar	M.S. Ph.D. (Yale)	Nature of circulatory Thyroid hormone and of intermediate iodine Metabolism.
6. Faculty of Social Work.		
Supervisor.		
Mrs. P. Bhatt	M.S.W.	Socio-Economic Survey of tanga-walas in Baroda City.
Shri S. Dasgupta	M.S.W.	Socio-Economic Survey of Workers of Pierce Leslie & Co. Ltd. (Cair Factory), Aleppey, T. C. State.
Shri V. Gopalan	M.S.W.	A Socio-Economic Survey of work ing class families. in K.D.H. P.Co. Tea Plantations, Munnar, Travancore.
Miss I. D. Malani	M.S.W.	A Study of the Lady-students of the Faculties of Home Science, Fine Arts, Education, Medicine and Social Work, of the University in relation to their Socio-Economic Background.

Department and Guide.	Degree.	Subject of research.
Miss O. Swoboda	M.S.W.	A study of institutional care of children in the Baroda Certified School, Baroda.
Shri V. Gopalan	M.S.W.	A Socio-Economic Survey of Rubber Tapper Families in Perunad Rubber Estate, T. C. State.
Shri S. Dasgupta	M.S.W.	A study of the life and work of the members of the clerical staff of the Baroda Municipality.
Shri S. N. Ranade	M.S.W.	A Socio-Economic survey of the village Tadmachhala, Jabugam Taluka, Baroda District.
Miss O. Swoboda	M.S.W.	A case study of forty T.B. patients at Shri Padmavati Devi Sanatorium Baroda.
Miss P. Vakharia	M.S.W.	A Survey of two Child-caring Institutions in Baroda City.
Shri S. N. Ranade	M.S.W.	A study of migration of 100 workers (of U. P.) of Jai Bharat Mills, Ahmedabad.
Miss A. K. Menon	M.S.W.	Pattern of life of 'Kuravas' at Pallichal in Kunnathur Talug, T. C. State.

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