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M. S. University of Baroda

Fourteenth Annual Report

1962 - 63

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FOURTEENTH ANNUAL REPORT

1962-63

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The Maharaja Sayajirao University of Baroda

FOURTEENTH ANNUAL REPORT, 1962-63

(1st April, 1962 to 31st March, 1963)

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

FOURTEENTH ANNUAL REPORT, 1962-63

INTRODUCTION

The idea of establishing a University at Baroda was engaging the attention of the former Government of Baroda State since the year 1909. Some schemes for the establishment of a University were framed but none of them materialised. The Baroda University Commission of 1925 made out a strong case for the immediate establishment of a Unitary residential University at Baroda having the Faculties of Arts, Science, Technology and Agriculture, Economics, Commerce and Administration. Besides the faculties, the University was to have the Institute for Oriental Studies, the Institute for Gujarati Studies, the School of Fine Arts, the School of Nursing and the School of Domestic Science. Provision was also to be made for extension programmes, the library movement as a University extension movement and compulsory medical examination. Although circumstances at that time were not favourable to the establishment of a separate University the idea was not given up. The following institutions for higher education were established in Baroda during the two decades that followed :

1. The Secondary Teachers' Training College in 1935
2. The Sayaji Golden Jubilee Science Institute in 1937
3. The Pratapsinh College of Commerce and Economics in 1942
4. Government orders were passed for the establishment of Medical and Engineering Colleges which ultimately began functioning from 1949.)

In 1947, His Highness Maharaja Sir Pratapsinh Gaekwad encouraged the idea of the University and appointed a Committee to consider the

question of the early establishment of the University. The Committee submitted its report to the Government of Baroda towards the end of the year 1918 and recommended that the University should be primarily a teaching and residential University with power to affiliate mofussil colleges and should institute the tutorial system of instruction. All the existing higher educational institutions including the Central Library, the Oriental Institute and the Kalabhavan were to be taken over by the University. The Committee also recommended that the Government should give a block grant of Rs. 25 lakhs annually to the University for the first five years.

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

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

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

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

7. The Baroda Medical College

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

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

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

Science and Social Work were also started from June, 1950. The management of the Baroda Sanskrit Mahavidyalaya and the Gujarati Section of the Old Baroda High School were taken over by the University from the then Government of Bombay in 1951. The University continued to follow the Bombay University courses and the standards of admissions, examinations, etc. in the old Faculties during the academic years 1949-50 and 1950-51. During this period, new courses and standards of admissions and examinations were prescribed and they were introduced year after year from June, 1951 onwards. The first examinations of the University were held in March-April, 1951.

Since then the Faculties have made considerable progress. The old courses have been thoroughly revised, special emphasis being laid on tutorials and home-assignments consistent with the special requirements of a teaching University. At the same time proper arrangements were made for the starting of new departments and courses, provision of adequate staff, improvement of old buildings and provisions for new buildings and the sanctioning of the necessary grants for library, equipment and contingent expenditure. A new institution called the Polytechnic to conduct diploma courses in Civil, Electrical and Mechanical Engineering was started in the year 1957-58. The Intermediate College was discontinued from the year 1958-59 and instead, the Preparatory Unit conducting Preparatory Courses in Arts, Science and Commerce was started. The Faculty of Law was started in the year 1961-62. The developments during the preceding years are described in the Thirteenth Annual Reports published so far. This Fourteenth Annual Report covers the period from the 1st April, 1962 to the 31st March, 1963, and is submitted to the Senate in accordance with Section 24 (2) of the Maharaja Sayajirao University of Baroda Act as amended up-to-date.

CHAPTER I—GENERAL

1. Institutions in the University

Constituent and Recognised Institutions (under Sections 42 and 69 of the Act):—

(1) (a) Faculty of Arts:—Provides Courses leading to the degree of B.A. and M.A. guidance in research for the Ph.D. degree. It also provides a Post-graduate course leading to the Diploma in Library Science, a Diploma and also a certificate course in German language.

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

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

(2) Faculty of Science: Provides courses leading to the degree of B.Sc. and M.Sc. and guidance in research for the Ph.D. degree. It also provides a one-year Pre-Medical Course.

(3) Faculty of Education and Psychology: Provides courses leading to the degree of B.Ed., M.Ed., B.A. (Psychology) and M.A. (Psychology) and guidance in research for the Ph.D. degree. The Faculty also provides instruction for the courses leading to Post-graduate diplomas in (i) Educational Administration, (ii) Guidance and Counselling and (iii) Applied Linguistics and Under-graduate diplomas in (i) Teaching and (ii) Early Childhood Education. The University Experimental School is attached to the Faculty for experiments in Education and Psychology and conducts classes from Standard I to Standard XI leading to the examination for the Secondary School Certificate of the Gujarat State.

(4) Faculty of Commerce: Provides courses leading to the degrees of B.Com. and M.Com., Post-Graduate diplomas in (1) Banking and (ii) Co-operation, Under-graduate diploma in Co-operation and guidance in research for the Ph.D. degree.

(5) (a) Faculty of Medicine (The Medical College): Provides courses leading to the degrees of M.B.,B.S., M.D., M.S., M.Sc., and Ph.D. and Post-graduate diplomas in D.O., D.A., D.L. & O., D.M.R. & E., D.Ped., D.V. & D., T.D.D., D.C.P. and D.G.O. The College is managed by the Government of Gujarat.

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

(6) (a) Faculty of Technology and Engineering: Provides courses leading to the degrees of B.E. and M.E. (Civil, Mechanical and Electrical), B.Tex. (Eng.), B.Text. (Tech.) and B.Arch., the diplomas in Textile Chemistry and Textile Technology and the certificate courses for (i) Dyeing and (ii) Weaving and guidance in research for the Ph.D. degree in Textile Chemistry.

(b) Polytechnic: Provides courses leading to diplomas in Civil, Electrical and Mechanical Engineering.

(7) (a) Faculty of Fine Arts: Provides courses leading to the degrees of B.A. (Fine) and M.A. (Fine), Post-diploma and diploma courses in Painting, Sculpture and Applied Art, Post-graduate diploma course in Museology, diploma course in Textile Design and certificate courses in Photography, Lithography, Pottery, Wood-work, Bronze-Casting and Process and Block-Making.

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

(8) Faculty of Home Science: Provides courses leading to the degrees of B.Sc. (Home) and M.Sc. (Home and the Post-graduate diploma in Nursery School Education. The Chetan Balwadi with a Kindergarten class is also attached to the Faculty for experiments and observations in Child Development.

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

(10) Faculty of Law: Provides courses leading to the degree of Bachelor of Law (LL.B.).

(11) Preparatory Unit: Provides courses leading to the Preparatory examinations in Arts, Science and Commerce.

(12) The Museum and Picture Gallery (managed by the Government of Gujarat).

2. Number of Students in the University

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

Statements showing the number of students at the commencement of the year 1962-63

Institutions	*Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 1962-63	Grand Total 1961-62	Grand Total 1960-61
	Men	Women	Men	Women	Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11	12
1 Faculty of Arts	155	56	570	389	4	3	729	448	1177	1128	1044
2 Faculty of Science	236	31	446	107	—	—	682	138	820	722	675
3 Faculty of Education and Psychology. ..	59	18	89	63	22	13	170	94	264	321	321
4 Faculty of Commerce ..	49	3	1024	30	†2	—	1075	33	1108	1141	980
5 Faculty of Medicine.. ..	85	8	257	67	—	—	342	75	417	399	367
6 Faculty of Technology and Engineering. ..	20	—	1567	28	260	—	1847	28	1875	1826	1715
7 Faculty of Fine Arts ..	13	5	77	17	‡59	‡5	149	27	@176	183	169
8 Faculty of Home Science ..	—	52	—	452	—	—	—	504	504	432	336
9 Faculty of Social Work ...	54	19	—	—	—	—	54	19	73	77	76
10 Faculty of Law	—	—	427	31	—	—	427	31	458	284	—
11 Preparatory Unit	—	—	1237	365	—	—	1237	365	1602	1448	1341
12 College of Indian Music, Dance and Dramatics. ..	3	1	24	19	—	—	27	20	47	54	42
13 Baroda Sanskrit Mahavidyalaya.	7	—	14	—	30	2	51	2	53	41	32
14 Polytechnic	—	—	—	—	863	4	863	4	867	918	916
Total: ...	681	193	5732	1568	1240	27	7653	1788	9441	8974	8014

* Includes Ph.D. and Master's Degree and Postgraduate Diploma students.

† Excludes 6 students of S. Y. B.Com. joining the undergraduate Diploma Course in Co-operation.

‡ Includes Post-Diploma students also.

@ Does not include 21 new students and 10 women students who are non-collegiate and Government Scholars and Foreign scholars.

Statement showing non-University students at the commencement of the year 1962-63

Institution	Men	Women	Total 1962-63	Total 1961-62	Total 1960-61
1	2	3	4	5	6
(A) Diploma Courses :					
1. College of Indian Music, Dance and Dramatics	203	172	375	453	424
(B) Certificate Courses :					
1. Faculty of Arts	158	14	172	24	—
2. Faculty of Technology and Engineering	7	—	7	81	210
3. Faculty of Fine Arts	4	—	4	13	20
4. Baroda Sanskrit Mahavidyalaya	32	5	37	45	38
(C) S S.C. Course :					
1. University Experimental School	247	193	440	430	423
(D) Nursery Courses:					
1. Chetan Balwadi	44	30	74	60	60
2. Kindergarten	7	4	11	25	25
Total:	702	418	1120	1131	1200

3. Special Features of the Year

(1) Important Research Schemes :

Several departments of the University were engaged in research work. 199 students registered for the Ph.D. degree in previous years and 44 fresh students registered during this year. Several teachers carried on research work.

(A) The following projects financed by the Government of India, University Grants Commission, Planning Commission, State Government, other outside bodies like the C.S.I.R., I.C.M.R., N.C.E.R. etc. were in progress.

Faculty/ Department	*Research Scheme*	*Name of the Financing body*
FACULTY OF ARTS		
Agricultural Economics	(i) Community Development and Economic Change	Union Ministry of Community Development and Co-operation
	(ii) Research Project on Rajkot Industrial Estate	UNESCO, New Delhi
	(iii) Implementation of Tenancy Abolition—Emerging Pattern of Land Rights and Agricultural Production in Gujarat State	Planning Commission
Sociology	(i) Functional and Dysfunctional Aspects of the Working of the Community Development Project in Gujarat	Central Institute of Studies and Research in Community Development, Mussorie
	(ii) Study of the Rural community and Social Changes under Plan Development in the Saurashtra Region of Gujarat	United States Educational Foundation in India, New Delhi
History	Socio-Historical Survey of the Muslim Population of Gujarat	University Grants Commission and Gujarat State Government
Hindi	Exploration of Literary Wealth of Gujarat in the field of Hindi Language and Literature	University Grants Commission and Gujarat State Government
Economics	Socio-Economic Survey of Sarasavani Village	Gujarat State Government and University
FACULTY OF SCIENCE		
Bio-chemistry	(i) Acid Metabolism in mould and plants	Council of Scientific and Industrial Research
	(ii) Studies on microbial Synthesis of Fat	Gujarat State Industrial Research Committee

Faculty/ Department	*Research Scheme*	*Name of the Financing body*
	(iii) Studies on bone in tissue culture	Indian Council of Medical Research
	(iv) Studies on plant tissue culture	Government of India
	(v) Biochemical studies on heart tissue of different species in tissue culture	Government of India
	(vi) Studies on the activity of drugs on the maintaining cell lines	Sarabhai Chemicals
	(vii) Studies on normal and malignant tissue	Indian Council of Medical Research
Botany	Flora of Gujarat State	Gujarat State Industrial Research Committee
Chemistry	(i) Separation of Alkaloids	Gujarat State Industrial Research Committee
	(ii) The effect of structure on the transition temperature of mixed liquid crystals	Council of Scientific and Industrial Research
Physics	(i) Optical studies of etched surfaces on metal crystals	Council of Scientific and Industrial Research
	(ii) Optical related properties of luminescent materials	Council of Scientific and Industrial Research
	(iii) Studies of molecular spectra of fifth group diatomic molecules	Council of Scientific and Industrial Research
FACULTY OF EDUCATION AND PSYCHOLOGY		
Psychology	(i) Home Conditions and Juvenile Delinquency	Univesity Grants Commission
	(ii) A study of confirmity and deviation among adolescents from a socio-psychological stand point	National Council of Education and Research

Faculty/ Department	*Research Scheme*	*Name of the Financing body*
FACULTY OF COMMERCE		
Commerce	A study of Management Pattern of Co-operatives in Community Development area of Baroda District	Central Institute of Study and Research in Community Development, Mussorie
FACULTY OF TECHNOLOGY AND ENGINEERING		
Civil Engineering	Studies of the possibilities of the use of mixed cultures of algae for sewage purification	University Grants Commission and Council of Scientific and Industrial Research
Electrical Engineering	(i) Conductivity measurements of Textile fibres by capacitance charge method and evaluation of different antistatic agents on the electrification fibres	Council of Scientific and Industrial Research
	(ii) Transient Response of Magnetic Amplifier A.C. control	University Grants Commission
FACULTY OF SOCIAL WORK		
Social Work	A follow-up study of people who have undergone Surgery as a method of Family Planning	Ministry of Health, Government of India
COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS		
	Research Projects in Music, Dance and Dramatics	Sangeet Natak Akademy, and M. S. University of Baroda
Dramatics	Biography of Nat Amrit Keshav Naik	Sangeet Natak Akademy

(B) The following research schemes financed by the University were in progress :

Faculty/Department	*Research Scheme*
FACULTY OF ARTS	
Political Science	Leadership in an Indian Village
History	(i) History of Gujarat under the Muslims 1298-1750

Faculty/Department	*Research Scheme*
	(ii) Select Bibliography for History of Gujarat under the East India Company
FACULTY OF SCIENCE	
Bio-chemistry	Studies on protein malnutrition
Botany	(i) Studies on the Isolation of Suitable Algae for Sewage Purification
	(ii) Study of the Effect of some growth regulating substances on Cotton, Sorghum, Wheat, etc.
Chemistry	(i) Synthesis of Ion Exchange Compounds
	(ii) Mesomorphism and Chemical Constitution
	(iii) Metal Chelates of Oximes
Geography	Transport of Rise of Towns in Gujarat
Statistics	(i) Studies on Transformations of normal variate
	(ii) Studies in certain problems in Mathematical Statistics
	(iii) Statistical Summaries of Medical Inspection Reports
	(iv) Report on Wastage and Stagnation in M. S. University of Baroda
	(v) Problems in Curve Fitting
	(vi) Problems in Order Statistics
Zoology	(i) Histophysiological Studies on Muscle Differentiation
	(ii) Histophysiological Studies on the Testis with Special Reference to Fat Metabolism
FACULTY OF EDUCATION AND PSYCHOLOGY	
Education	(i) Exploratory Longitudinal Studies of Children
	(ii) Collection, Study and Editing of the Important Educational Records of the Baroda State under Maharaja Sayajirao Gaekwad
	(iii) A Linguistic and Cultural Comparison of English and Gujarati
Educational Administration	A survey and evaluation of the administration of school systems in India
FACULTY OF TECHNOLOGY AND ENGINEERING	
Applied Mechanics	Swelling Pressure in Expansive Soils
Civil Engineering	Study of Properties of Road Stone Aggregate of Gujarat Area

Faculty/Department	*Research Scheme*
Mechanical Engineering	Investigation of Factors of Stress Concentration in Bars with Sharp Grooves and Fillets in Tension Photo-elastically
Geology	Structural Investigation of High Grade Metamorphic Rocks
FACULTY OF SOCIAL WORK	
Mental Hygiene and Psychiatric clinic	A Study of the Mental Illness as Reflected in Cases Closed Between July, 1958 to March, 1960

(2) Important Events :

(i) The following new courses were started during the year :
- (a) M.Sc. (Home) in Home Economics and Household Management.
- (b) B Sc. (Home) General.
- (c) Diploma Course in German Language.

(ii) The Summer School in Home Science (Clothing and Textiles) financed by the University Grants Commission was held from the 9th to the 30th June, 1962 under the auspices of the M. S. University of Baroda.

(iii) Two Visiting Sub-Committees appointed by the Western Regional Office of the All India Council of Technical Education visited the University in July and September, 1962, scrutinized and assessed the requirements of the University for (i) starting of a five year degree course in Chemical Engineering and for (ii) Conversion of the present 4 year course into the 5 year integrated course in Civil, Mechanical and Electrical Engineering, Textile Engineering and Textile Technology in the Faculty of Technology and Engineering.

(iv) The new building of the Co-operation Wing, Faculty of Commerce was declared open on the 25th August, 1962 by Shri S. K. Dey, Minister for Community Development and Co-operation, Government of India.

(v) Under the joint auspices of the M. S. University of Baroda, the Linguistic Society of India and the Deccan College Post-graduate and Research Institute, Poona, the "Autumn Seminar of Linguistics" was held from the 15th October to the 3rd November, 1962. Dr. Jyotindra M. Mehta, Vice-Chancellor of the University inaugurated the Seminar.

(vi) A Conference of Collegiate Teachers in Gujarati: "Gujarati-no-Adhyapaka-Sangh" was held on the 24th-25th October, 1962 under the auspices of the M. S. University of Baroda. Dr. Jyotindra M. Mehta, Vice-Chancellor of the University inaugurated the Conference.

(vii) H. E. Sir Paul Gore-Booth, British High Commissioner in India visited the Oriental Institute, Shrimati Hansa Mehta Library, Department of Archaeology and Ancient History, Faculties of Fine Arts and Home Science, and the Department of Museology on the 16th November, 1962.

(viii) The Twelfth Annual Convocation for conferring degrees and diplomas was held on the 17th November, 1962 in the Shamiana specially erected for the purpose in the University gardens. Shri M. C. Setalvad, Attorney General, Government of India addressed the Convocation. The following degrees and diplomas were conferred on that day:

Sr. No.	*Degree/Diploma*	*In person*	*In Absentia*	*Total*
1	Ph.D. (Arts)	5	1	6
2	Ph.D. (Science)	3	—	3
3	Ph.D. (Edu. & Psy.)	1	2	3
4	M.D.	2	—	2
5	M.A.	40	26	66
6	B.A.	182	60	242
7	Shastri	2	—	2
8	Diploma in Lib. Sc.	5	9	14
9	M.Sc.	59	29	88
10	B.Sc.	71	49	120
11	M.Ed. (by Papers)	8	7	15
12	M.Ed. (by Thesis)	—	1	1
13	B.Ed.	47	66	113
14	Dip. in Guidance and Counselling	4	1	5
15	Dip. in Educational Administration	1	1	2
16	Dip. in Applied Linguistics	1	2	3
17	M.Com.	15	9	24
18	B.Com.	174	72	246
19	Dip. in Banking	2	1	3
20	M.B.,B.S.	15	13	28



Shri M. C. Satalvad, Attorney General, Government of India delivering the Convocation Address

Sr. No.	*Degree/Diploma*	*In person*	*In Absentia*	*Total*
21	Dip. in Ophthalmology	—	1	1
22	Dip. in Anaesthesia	—	1	1
23	Dip. in Laryngology and Otology	2	1	3
24	Dip. in Pediatrics	—	1	1
25	Dip. in Venereology and Dermatology	—	1	1
26	Dip. in Tuberculous Diseases	1	—	1
27	Dip. in Clinical Pathology	—	3	3
28	Dip. in Gynaecology and Obstetrics	3	4	7
29	M.E.	3	1	4
30	B.E.	119	131	250
31	B.Text. (Engg.)	5	9	14
32	B.Tech. (Tech.)	3	3	6
33	B.Arch.	4	9	13
34	M.A. (Fine)	1	6	7
35	Master of Art Criticism	1	—	1
36	M.Mus.	1	2	3
37	B.A. (Fine)	3	9	12
38	B.Mus.	4	—	4
39	Dip. in Museology	3	—	3
40	M.Sc. (Home)	2	—	2
41	B.Sc. (Home)	25	24	49
42	Dip. in Nursery School Education	—	1	1
43	M.S.W.	13	13	26

(ix) Professor P. A. Markov, an eminent Producer paid a visit to the University on the 12th December, 1962. He visited the Dramatics Department and had a discussion with the staff and students. He also visited the Library and also saw the play " Mourning becomes Electra ".

(x) An expert Committee appointed by the University Grants Commission visited the Oriental Institute on the 8th February, 1963 for assessing the requirements for the scheme of Publication of Gaekwad Oriental Series and recommended grants of Rs. 62,000 for publication and Rs. 5,000 for purchase of books and journals.

(xi) Dr. Charles P. Schleicher, Special Assistant to the Director, United State Educational Foundation in India, visited the University on the 15th February, 1963. He had a discussion with the staff of the English Department and also with some of the grantees of the fellowship of the Foundation.

(xii) Swami Vivekanand Centenary was celebrated in this University during the year. The celebration lasted a week from the 17th to the 24th February, 1963. The celebration consisted of lectures of the Life and Teachings of Swamiji, his gospel of Service, Yogas and Vedanta. A katha by Shri Narhari Maharaj on the life of Shri Ramkrishnan Paramhansa, Swamiji's Guru was also arranged on one of the days.

(xiii) Dr. W. I. Card, Gastro-enterologist of the Western Hospital, Edinburgh University visited the University under the auspices of the British Council, from the 23rd to 28th February, 1963. He visited the Faculty of Medicine and delivered a number of lectures at the Medical College.

(xiv) A Supplementary Convocation for conferring degrees and diplomas was held in the Central Hall, Faculty of Arts on the 24th March, 1963. Dr. Jyotindra M. Mehta, Vice-Chancellor presided.

The following degrees and diplomas were conferred on that day:

Sr. No.	*Degree/Diploma*	*In person*	*In Absentia*	*Total*
1	Ph.D. (Arts)	–	3	3
2	Ph.D. (Edu. & Psy.)	–	1	1
3	M.D.	1	1	2
4	B.A.	17	19	36
5	B.Sc.	9	9	18
6	B.Com.	9	20	29
7	Dip. in Co-operation	4	1	5
8	M.B.,B.S.	11	26	37
9	Dip. in. Ophthalmology	2	2	4
10	Dip. in Anaesthesia	–	1	1
11	Dip. in Laryngology and Otology	1	3	4
12	Dip. in Tuberculous Diseases	–	2	2
13	Dip. in Gynaecology and Obstetrics	4	–	4

Sr. No.	*Degree/Diploma*	*In Person*	*In Absentia*	*Total*
14	M.E.	1	—	1
15	B.E.	10	27	37
16	B. Text. (Eng.)	—	1	1
17	B. Arch.	—	8	8
18	B. Sc. (Home)	5	3	8
19	M.S.W.	1	3	4

4. Changes in the Teaching Staff

(1) Appointments on existing posts:

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

FACULTY OF ARTS

Reader : Dr. K. N. Dubey

Lecturers: Dr. R. D. Parikh, Kumari M. J. Patel and Mr H. Summerfield

FACULTY OF SCIENCE

Reader : Dr. R. V. Joshi

Lecturers : Sarvashri P. N. Raina and D. V. Vakil, Dr. S. K. Shah, Dr. J. R. Pandya and Dr. N.M.G. Bhaktan

FACULTY OF EDUCATION AND PSYCHOLOGY

Lecturers: Sarvashri J. K. Majmundar, B. R. Panchal and P. K. Dongre

FACULTY OF COMMERCE

Lecturers: Sarvashri J. Y. Diwanji and A. S. Bhatt.

FACULTY OF TECHNOLOGY AND ENGINEERING

Readers : Sarvashri N. B. Chhadua, K. P. Desai and Dr. M. R. Panchal

Lecturers: Sarvashri S. K. Rana, R. M. Maru, S. A. Itawala, A .L. Lagvankar, R. N. Parikh, S. A. Desai, A. S. Loiwal, G. M. Sheth, V. M. Patel and B. N. Shah

FACULTY OF HOME SCIENCE

Professor : Smt. Amita Verma

Reader : Kumari Savitri Pandit

Lecturers: Kumari C. C. Chacko, Kumari Hira R. Charak, Smt. Z. N. Choksey, Kumari Nalini Ogale, Kumari Freny Debu, Smt. Shashikala Shinde and Smt. Dhruti Chowdhari

FACULTY OF SOCIAL WORK

Readers : Kumari Indira M. Patel and Shri S. K. Majmundar
Lecturer : Shri V. B. Shah

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

Lecturers: Sarvashri Y. D. Kelkar and K. J. Shah

(2) Appointments to new teaching posts :

The following appointments were made during the year on the new posts sanctioned from the 1st April, 1962, or thereafter :

FACULTY OF SCIENCE

Reader : Dr. M. M. Patel

FACULTY OF FINE ARTS

Professor: Dr. C. K. Gairola
Lecturers: Sarvashri V. G. Chitte, Ajit Chakravarti and S. V. Gorakshar

FACULTY OF HOME SCIENCE

Reader : Smt. Renuka Mukerji

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

The following teachers left the University during the year :

FACULTY OF ARTS

Professor: Professor B. Subbarao
Lecturers: Sarvashri V. D. Salgaonkar, R. J. Mody and Dr. (Kumari) S. J. Shahani

FACULTY OF SCIENCE

Reader : Dr. C. M. Mehta
Lecturers: Sarvashri V. C. Shah, S. D. Pishwikar, C. L. Talesara and Smt. V. S. Mayor

FACULTY OF EDUCATION AND PSYCHOLOGY

Lecturer : Dr. N. N. Shukla

FACULTY OF COMMERCE

Readers : Sarvashri M. M. Chokshi and G. P. Asthana

Lecturers : Sarvashri C. T. Shah, D. J. Mehta and V. K. Yajnik

FACULTY OF TECHNOLOGY AND ENGINEERING

Lecturers : Sarvashri T. S. Raghavachar, D. S. Satyanarayan and S. A. Desai.

FACULTY OF HOME SCIENCE

Lecturer : Kumari Shakti Chhabra

FACULTY OF SOCIAL WORK

Professor : Dr. (Smt.) A. M. Muzumdar.

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

Lecturer : Shri V. D. Vyas

(4) A Statement showing the number of teaching staff in various faculties and institutions is given below :

Faculty/Institute	*Professors*	*Readers*	*Lecturers*	*Tutors, Demonstrators*	*Honorary Part-time and others*	*Total*
Arts	8	17	47	11	2	85
Science	7	11	41	51	—	110
Education and Psychology	3	6	15	3	1	28
Commerce	1	5	11	—	7	24
Technology and Engineering	11	18	57	51	2	139
Fine Arts	3	3	19	3	1	29
Home Science	2	3	19	15	2	41
Social Work	1	2	7	—	11	21
Law	—	2	2	—	7	11
Oriental Institute	—	1	4	—	—	5
College of Indian Music, Dance and Dramatics	1	2	11	25	3	42
Baroda Sanskrit Mahavidyalaya	—	—	1	12	—	13
Polytechnic	3	2	16	37	—	58
Total :	40	72	250	208	36	606

5. Facilities to the members of the teaching staff for further studies, higher training or advanced research abroad :

There is provision in the University rules for sanctioning special study leave as well as leave due or leave without pay to members of the

staff for educational purposes such as further studies, study tours, visits to educational and cultural institutions, practical training, advanced research or investigation and attending or participation in International Conference, Seminars etc. The progressive liens of the teachers granted such leave is maintained on their respective posts in the University. Full pay (without allowances), stipends, maintenance allowances, loans etc. are also given in deserving cases. The following three statements show the names of the teachers and the purpose of facilities granted.

(i) The following teachers who were granted facilities for further studies abroad returned to the University during the year:

S. No.	*Name and Designation*	*Qualifications or experience acquired*
1	Shri R. N. Mehta Reader in English	Study of American Literature
2	Dr. S. C. Misra Reader in History	Completed research at Oxford University
3	Shri R. Krishnamurti Lecturer in History	Study in American History
4	Professor A. H. Somjee Professor of Political Science	Delivered Lectures and held Seminars at the London School of Economics
5	Smt. Geeta Somjee Tutor in Political Science	Post-graduate Studies at the London School of Economics
6	Dr. V. V. Modi Reader in Bio-chemistry	Research Work at the Illinois University, U.S.A.
7	Shri M. R. Panchal Lecturer in Electrical Engineering	D.Sc. (Toulouse) France, M.S., F.E. (Paris)
8	Shri M.K.S. Moorthy Lecturer in Electrical Engineering	M.S. (F.E.) (Tennessee), U.S.A.
9	Shri S. D. Desai Lecturer in Geology	Post-graduate Training in Mineral Dressing at the Royal School of Mines, London
10	Professor N. A. Shah Professor of Civil Engineering	Specialised Training in Aerial Surveying at the Wisconsin University, U.S.A.
11	Shri C. C. Shah Reader in Mathematics	Training in Ordinary Differential Engineering Mathematics at the Wisconsin University, U.S.A.

S. No.	*Name and Designation*	*Qualifications or experience acquired*
12	Shri S. S. Warty Lecturer in Textile Chemistry	Observation of Teaching Methods as Practice in the Field of Chemistry and Textile Chemistry at the Lowell Technological Institute, Massachusetts, U.S.A.
13	Professor R. S. Dighe Professor of Applied Mechanics	Training on the Subject Pre-stressed Concrete in France
14	Shri J. M. Bhatt Lecturer in Painting	Advanced Studies in Painting and Fine Arts at Napoli
15	Kumari Kalindi C. Patel Lecturer in Home Science	M. S. in Foods and Nutrition from Iowa State University, U.S.A.
16	Kumari Dhruti D. Chhaya Demonstrator in Home Science	M. S. in Home Science Education and Extension from Iowa State University, U.S.A.
17	Shri S. K. Majmudar Lecturer in Social Work	M.S. (Columbia), U.S.A.
18	Kumari J. P. Patel Lecturer in Social Work	M.S. (Wayne State University), U.S.A. Degree is awaited

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

S. No.	*Name and Designation*	*Nature of Studies*
1	Shri M.G. Krishnamurthy Lecturer in English	M.A. and Ph.D. in American Literature at the University of Wisconsin, U.S.A.
2	Shri A. C. Patel Lecturer in Geology	For Ph.D. in Environmental Archæology at London University
3	Dr. M. S. Patel Lecturer in Statistics	Higher Studies and Advanced Research at the University of North Carolene, U.S.A.
4	Shri V. C. Shah Lecturer in Zoology	Ph.D. at the Columbia University, U.S.A.
5	Shri A. R. Mehta Lecturer in Botany	Ph.D. at the University College of Swansea, U.K.
6	Shri B. P. Lulla Lecturer in Education	Doctorate Degree in Educational Administration in Kansas, U.S.A.

S. No.	Name and Designation	Nature of Studies
7	Shri H.J.X. Fernandes Lecturer in Education	Advanced Studies in Psychometrics and Educational Psychology in Michigan University, U.S.A.
8	Shri N. T. Sheth Lecturer in Mathematics	Ph.D. in Mathematics at Rice University, U.S.A.
9	Shri S. K. Mehta Lecturer in Mechanical Engineering	Post-graduate Studies and Research in U.S.S.R.
10	Shri A. S. Fadke Lecturer in Mechanical Engineering	Training in Steam Turbine Design in U.S.S.R.
11	Shri R. K. Parimoo Lecturer in Art History	Further Studies in Art History at the Courtauld Institute of Arts, London.
12	Kumari Pushpa Dalal Demonstrator in Home Science	M.S. Degree in Foods and Nutrition in State Teachers' College, Kirksvillie, Missouri, U.S.A.
13	Professor (Smt.) I. S. Tayal Professor of Social Work	Ph.D. in Social Work in U.S.A. Pennsylvania University, Philadelphia, U.S.A.

(iii) The following members of the staff were granted facilities during the year for further studies, research, visits abroad.

S. No.	Name and Designation	Nature of Studies
1	Dr. J. M. Lohar Lecturer in Chemistry	Higher Studies and advanced research at Chicago University, U.S.A.
2	Dr. A. M. Talati Lecturer in Chemistry	To enable him to avail of the Fellowship awarded by the University of Chicago for post-doctorate research work in Chemistry
3	Shri V. N. Kothari Lecturer in Economics	To enable him to avail of the post-doctorate research Fellowship awarded by the Rockefeller Foundation for further studies in Economics at Chicago University, U.S.A.
4	Shri K. T. Desai Lecturer in Textile Engineering	To enable him to avail of the award of the Belgium Government Scholarship for Post-graduate study/research in Textile Engineering

S. No.	Name and Designation	Nature of Studies
5	Kumari Anjali Trivedi Lecturer in Home Science	To enable her to avail of the Ford Foundation Scholarship for post-graduate studies in Child Development in Minnesota University, U.S.A.
6	Smt. Kusum Pandya Lecturer in Home Science	To enable her to avail of the Ford Foundation Scholarship for post-graduate studies in the Iowa State University, U.S.A.
7	Smt. Jayaprabha Patel Demonstrator in Home Science	To enable her to avail of the Ford Foundation Scholarships for post-graduate studies in Foods and Nutrition in Iowa State University, U.S.A.
8	Kumari Minaxi Dighe Demonstrator in Home Science	To enable her to avail of the Ford Foundation Scholarship for post-graduate studies in Clothing and Textiles in Iowa State University in U.S.A.
9	Kumari B. K. Lal Demonstrator in Home Science	To enable her to avail of the Ford Foundation Scholarship for post-graduate studies in Home Management in Iowa State University, U.S.A.
10	Kumari P. S. Chari Reader in Home Science	To enable her to avail of the Ford Foundation Scholarship for post-graduate studies in Home Science Education and Extension at Cornell University, U.S.A.
11	Kumari J. A. Singh Professor of Home Science	For Ph.D. in Clothing and Textiles and also as visiting Professorship at the Howard University, Washington, D.C., U.S.A.

6. University Examination Results

During the year 1962-63, 18 candidates were declared qualified for the award of the Ph.D. degree as detailed below :

Name of the Candidate	Subject	Title of the thesis
1 Shri Subhashchandra Manilal Dave	Gujarati	The poet Dayaram (18th-19th Cent.) : A Critical Study

Name of the Candidate	*Subject*	*Title of the thesis*
2 Shri Mahendra Pratap Singh	Hindi	Bhagwant Khichi Aur Unke Mandal Ke Kavi
3 Shri Dee Prakash Patanjal	Sanskrit	A Critical study of Rgveda (I 137-163) particularly from the point of view of Paninian Grammar
4 Kumari Savitri Jivatram Shahani	Sociology	High School students of Baroda—A Socio - graphic study of the Xth and XIth classes of Gujarati and Marathi High Schools in Baroda
5 Shri Ratilal Dahyabhai Parikh	Sociology	Press and Society—A Sociological study (with special reference to the nature and growth of the Gujarati Press)
6 Shri Narayan Ranchhodlal Sheth	Sociology	The Sociological Background of some Industrial Workers in Baroda City
7 Shri Vishnushanker Hargovind Joshi	Sociology	Social Consequences of Industrialisation and Urbanisation in a Village in South Gujarat, with special reference to Tensions between Groups and Classes
8 Shri Chandrasen Nathan Bhalerao	Political Science	The working of Public Service Commission in India
9 Kumari Dharmishtha Kantilal Patwa	Bio-Chemistry	The Mechanism of Carotene Bio-Synthesis in Mangoes and Carrots
10 Shri Prem Nath Raina	Bio-Chemistry	Comparative Metabolic Studies on Normal and Neoplastic Rat Liver
11 Shri Vinodchandra Kasturchand Shah	Bio-Chemistry	Studies on Mold Metabolism
12 Shri Gunvantrai Maneklal Oza	Botany	Flora of Pavagarh

Name of the Candidate	*Subject*	*Title of the thesis*
13 Shri Gordhanbhai Hirabhai Patel	Chemistry	Studies in the Synthesis of Dehydroxyquinolines, Dequinolyl Methenes (with U.V. absorption spectra) and Halogenation of Hydroxyquinolines
14 Shri Kunjbihari Natverlal Trivedi	Chemistry	Studies in Benzo–Pyrones
15 Shri Gaurishanker Prabhashanker Bhatt	Education	An Experimental Study of the Achievement in Basic Education in the State of Saurashtra
16 Kumari M. G. Premlatha	Educational Psychology	Construction and Standardisation of a Non-verbal Group Test of Intelligence with Special reference to the Mysore State (for the Children of age group 7-13)
17 Kumari M. S. Jayamma	Educational Psychology	Construction and Standardisation of an Inventory for Predicting teacher efficiency
18 Shri Bhanuprasad Amritlal Parikh	Psychology	A Psychological Analysis of the Dang's Culture (An Examination of Relationship between Culture and Personality in the Dangs District of Gujarat State

The following two statements show the results of (i) March-April-May-June, 1962 (ii) October-November, December, 1962 Examinations :

Sr. No.	Examination	No. Registered	No. Absent	No. appeared			Number Passed										Grand Total	Percentage of passes
							Men					Women						
				Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Prep. Arts	623	15	355	253	608	—	6	59	101	166	—	14	65	91	170	336	55.26
2	First Year B.A.	363	13	208	142	350	—	4	54	78	136	—	5	50	57	112	248	70.86
3	*Second Year B.A.	347	4	206	137	343	—	—	—	140	140	—	—	—	106	106	246	71.42
4	B.A. (Final Year)	329	9	184	136	320	—	11	39	74	124	—	12	47	59	118	242	75.62
5	M.A.	101	8	64	29	93	—	7	26	16	49	—	1	7	9	17	66	70.97
6	Shastri	4	—	4	—	4	—	—	—	2	2	—	—	—	—	—	2	50
7	Visharad	4	1	3	—	3	—	—	3	—	3	—	—	—	—	—	3	100
8	Dip. in Lib. Sc.	15	—	10	5	15	—	2	6	2	10	—	1	2	1	4	14	93.33
9	Prep. Science	598	14	508	76	584	—	131	217	89	437	—	15	44	9	68	505	86.30
10	Pre-Medical	83	—	68	15	83	—	15	33	16	64	—	—	10	5	15	79	95.2
11	First Year B.Sc.	154	2	129	23	152	—	7	14	14	35	—	2	9	4	15	50	32.9
12	*Second Year B.Sc.	165	1	139	25	164	—	—	—	62	62	—	—	—	20	20	82	50
13	B.Sc. (Final Year)	163	1	140	22	162	6	17	38	38	99	—	3	10	8	21	120	74.8
14	M.Sc. ‡	103	4	91	8	99	—	19	46	17	82	—	1	7	—	8	90	91.58
15	*T.D.	38	—	25	13	38	—	—	—	24	24	—	—	—	13	13	37	97.37
16	B.Ed.	118	1	80	37	117	—	1	31	45	77	1	2	18	15	36	113	96.58
17	M.Ed.	20	1	15	4	19	—	1	3	8	12	—	—	1	2	3	15	78.94
18	*Dip. in Early Childhood Edu.	9	—	1	8	9	—	—	—	1	1	—	—	—	7	7	8	88.88

* No class is awarded.

‡ Result of one candidate is held up.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
19	*Dip. in Applied Linguistics	3	—	1	2	3	—	—	—	1	1	—	—	—	2	2	3	100
20	*Dip. in Educational Administration	4	1	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66
21	*Dip in Guidance & Counselling	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100
22	*Dip. in Co-operation (Under-graduate)	14	—	14	—	14	—	—	—	13	13	—	—	—	—	—	13	93
23	Prep. Commerce	614	12	583	19	602	—	32	126	191	349	—	—	12	2	14	363	60.39
24	First Year B.Com.	445	20	416	9	425	—	13	55	128	196	—	—	4	2	6	202	47.53
25	*Second Year B.Com.	489	27	457	5	462	—	—	—	234	234	—	—	—	4	4	238	51.51
26	B.Com. (Final Year)	341	9	328	4	332	—	7	76	163	246	—	—	2	2	4	250	75.3
27	B.Com. (O.Com. 27)	18	1	16	1	17	—	—	—	8	8	—	—	—	1	1	9	50
28	B.Com. (O.Com. 25)	6	1	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40
29	M.Com.	46	11	35	—	35	—	1	7	16	24	—	—	—	—	—	24	68.57
30	*P.G. Dip. in Banking	5	1	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75
31	*Ist M.B.,B.S.	21	—	20	1	21	—	—	—	18	18	—	—	—	—	—	18	85.71
32	*IInd M.B.,B.S.	31	—	29	2	31	—	—	—	16	16	—	—	—	2	2	18	58.06
33	*IIIrd M.B.,B.S.	44	—	37	7	44	—	—	—	21	21	—	—	—	4	4	25	56.81
34	*M.D. (Br. I)-Medicine	5	—	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40
35	*M.D. (Br. V)-O. & G.	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00
36	*Dip. in Ophthalmology	4	—	4	—	4	—	—	—	1	1	—	—	—	—	—	1	25
37	*Dip. in Anaesthesiology	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
38	*Dip. in Laryngology & Otology	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60
39	*Dip. in Pediatrics	3	—	3	—	3	—	—	—	1	1	—	—	—	—	—	1	33.33
40	*Dip. in Venereology & Dermatology	2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
41	*Dip. in Tuberculous Diseases	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50

* No class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
42	*Dip. in Clinical Pathology	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100
43	*Dip. in Gynaecology & Obstetrics	11	—	6	5	11	—	—	—	2	2	—	—	—	5	5	7	63.63
44	M.Sc. (Pharmacology)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00
45	F.Y. Dip. (CME)	398	4	393	1	394	—	28	75	92	195	—	—	1	—	1	196	49.74
46	S.Y. Dip. (CME)	283	2	278	3	281	—	57	101	65	223	—	1	2	—	3	226	80.43
47	Dip. in Civil Engg.	112	—	112	—	112	—	26	41	31	98	—	—	—	—	—	98	87.5
48	Dip. in Mech. Engg.	112	5	106	1	107	—	36	37	15	88	—	1	—	—	1	89	81.65
49	*Dip. in Mech. Engg. (Under O.621)	23	3	20	—	20	—	—	—	18	18	—	—	—	—	—	18	90
50	Dip. in Elect. Engg.	87	2	85	—	85	—	19	19	16	54	—	—	—	—	—	54	63.53
51	*Dip. in Elect. Engg. (Under O.630)	29	1	28	—	28	—	—	—	24	24	—	—	—	—	—	24	85.71
52	Dip. in Text. Chem.	38	1	37	—	37	—	—	18	9	27	—	—	—	—	—	27	72.97
53	Dip. in Text. Chem. (Under O.547)	26	—	26	—	26	—	—	17	7	24	—	—	—	—	—	24	92.3
54	Dip. in Text. Tech.	42	1	41	—	41	—	4	22	12	38	—	—	—	—	—	38	92.69
55	F.E. (CMETeTt)	351	1	349	1	350	12	28	116	52	208	—	—	—	—	—	208	59.43
56	S.E. (CMETeTt)	393	7	384	2	386	4	41	162	72	279	—	—	1	—	1	280	72.54
57	*S.E. (CME) (Under O.635)	44	1	43	—	43	—	—	—	32	32	—	—	—	—	—	32	74.42
58	T.E. (CME)	382	—	381	1	382	7	24	132	76	239	—	—	—	—	—	239	62.73
59	T. Text. (Engg.)	16	—	16	—	16	1	—	7	1	9	—	—	—	—	—	9	56.25
60	T. Text. (Tech.)	9	—	9	—	9	2	1	5	—	8	—	—	—	—	—	8	88.89
61	B.E. (Civil)	107	3	103	1	104	7	16	56	1	80	—	—	1	—	1	81	78.8
62	B.E. (Mech.)	104	—	104	—	104	9	23	52	4	88	—	—	—	—	—	88	84.81
63	B.E. (Mech.) (Under C.TE.39)	17	3	14	—	14	2	6	5	—	13	—	—	—	—	—	13	92.8

*No class is awarded

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
64	B.E. (Mech.) (Under O.TE. 39A)	9	—	9	—	9	1	2	5	—	8	—	—	—	—	—	8	88.8
65	B.E. (Mech.) (Under O.TE. 40)	6	—	6	—	6	—	1	5	—	6	—	—	—	—	—	6	100
66	B.E. (Elect.)	69	2	67	—	67	1	6	37	8	52	—	—	—	—	—	52	77.61
67	B.E. (Elect.) (Under O.TE. 46)	3	1	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50
68	B.E. (Elect.) (Under O.TE.46A)	6	—	6	—	6	1	—	—	--	—	—	—	—	—	—	1	16.66
69	B. Text. (Engg.)	15	—	15	—	15	—	4	10	1	15	—	—	—	—	—	15	100
70	B. Text. (Tech.)	6	—	6	—	6	—	3	2	1	6	—	—	—	—	—	6	100
71	B. Arch.	70	2	67	1	68	1	3	25	14	43	—	—	—	1	1	44	64.70
72	*M.E. (Civil)—Part I																	
	(i) Soil Mech.&Found. Engg.	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	00.00
	(ii) Adv. Irrigation & Hydraulics	5	—	5	—	5	—	—	—	1	1	—	—	—	—	—	1	20
	(iii) Highway & Bridge Engg.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
	(iv) Public Health Engg.	5	2	3	—	3	—	—	—	—	—	—	—	—	—	—	—	00.00
73	*M.E. (Civil)—Part II (i) Public Health Engg.	3	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00
74	M.E. (Civil)—Part III (i) Highway & Bridge Engg.	1	—	1	—	1	—	1	—	—	1	—	—	—	—	—	1	100
75	*M.E. (Mech.)—Part I (i) Internal Combustion Engg.	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4	80

*No class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
76	*M.E. (Mech.)-Part II (i) Int. Comb. Engg.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
77	M.E. (Mech.)-Part III (i) Int. Comb. Engg.	2	—	2	—	2	—	2	—	—	2	—	—	—	—	—	2	100
78	*M.E. (Elect.)-Part I (i) Elect. Engg.	3	1	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100
79	*M.E. (Elect.)-Part II (i) Elect. Engg.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
80	M.E. (Elect.)-Part III (i) Elect. Engg.	1	—	1	—	1	1	—	—	—	1	—	—	—	—	—	1	100
81	IInd B. Arch. (Elem. Arch.)	70	1	63	6	69	—	4	15	5	24	—	1	—	—	1	25	36.23
82	Int. Arch.	47	1	40	6	46	—	—	11	6	17	—	—	2	3	5	22	47.82
83	M.A. (Art Criticism)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
84	M.A. (Fine)	7	—	7	—	7	—	—	5	2	7	—	—	—	—	—	7	100
85	B.A. (Fine)	23	2	15	6	21	—	—	6	3	9	—	—	2	1	3	12	57.6
86	Post-Diploma in Fine Arts	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100
87	Dip. in Fine Arts	14	1	10	3	13	—	—	7	2	9	—	1	1	—	2	11	84.6
88	Dip. in Textile Design	2	—	2	—	2	—	—	2	—	2	—	—	—	—	—	2	100
89	*M.Mus.	3	—	2	1	3	—	—	—	2	2	—	—	—	1	1	3	100
90	*B.Mus.	6	—	3	3	6	—	—	†3	—	3	—	—	†1	—	1	4	66.6
91	Post-Diploma in Dance	3	—	—	3	3	—	—	—	—	—	—	—	3	—	3	3	100
92	Diploma in Music, Dance & Dramatics	53	3	33	17	50	—	6	7	10	23	—	—	3	7	10	33	66
‡93	*Dip. in Museology	4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75
94	M.Sc. (Home)	2	—	—	2	2	—	—	—	—	—	—	—	†2	—	2	2	100

*No class is awarded.
†Pass with B Grade.
‡Result of one candidate is held up.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
95	B.Sc. (Home)	51	2	—	49	49	—	—	—	—	—	—	@4	†23	§22	49	49	100
96	Dip. in N. S. Edu.	1	—	—	1	1	—	—	—	—	—	—	—	—	§ 1	1	1	100
97	M.S.W.	30	—	20	10	30	—	—	†6	§10	16	—	—	†3	§ 7	10	26	86.66
98	Ist LL.B.	257	24	220	13	233	—	9	111	—	120	—	—	7	—	7	127	54.5
99	*Ph.D. (Arts)	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100
100	*Ph.D. (Science)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100
101	*Ph.D. (Edu. & Psy.)	1	—	—	1	1	—	—	—	—	—	—	—	—	1	1	1	100

* No class is awarded. @ Pass with A Grade. † Pass with B Grade. § Pass with C Grade.

Results of the University Examinations October/November, 1962

Sr. No.	Examination	No. Registered	No. Absent	No. appeared			Number Passed										Grand Total	Percentage of passes
							Men					Women						
				Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	First Year B.A.	93	8	57	28	85	—	—	—	22	22	—	—	1	16	17	39	45.88
2	*Second Year B.A.	94	3	61	30	91	—	—	—	19	19	—	—	—	11	11	30	32.96
3	B.A. (Final Year)	68	11	41	16	57	—	—	3	20	23	—	—	—	12	12	35	61.4
4	First Year B.Sc.	89	1	82	6	88	—	—	1	41	42	—	—	—	5	5	47	53.40
5	*Second Year B.Sc.	72	2	66	4	70	—	—	—	35	35	—	—	—	3	3	38	54.24
6	B.Sc. (Final Year)	33	—	32	1	33	1	1	2	12	16	—	—	1	—	1	17	51.51
7	First Year B.Com.	227	12	212	3	215	—	—	4	97	101	—	—	—	3	3	104	48.37
8	*Second Year B.Com.	229	22	206	1	207	—	—	—	69	69	—	—	—	1	1	70	33.98
9	B.Com. (Final Year)	79	6	73	—	73	—	—	—	27	27	—	—	—	—	—	27	36.99
10	B.Com. (under O.Com.27)	5	2	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66
11	B.Com. (under O.Com.25)	2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
12	*Post-graduate Diploma in Co-operation	8	—	8	—	8	—	—	—	5	5	—	—	—	—	—	5	62.5
13	*First M.B.,B.S.	53	—	42	11	53	—	—	—	35	35	—	—	—	9	9	44	83.02
14	*Second M.B.,B.S.	66	—	49	17	66	—	—	—	25	25	—	—	—	15	15	40	60.61
15	*Third M.B.,B.S.	62	—	51	11	62	—	—	—	22	22	—	—	—	5	5	27	43.55
16	M.Sc. (in Medical subjects)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00
17	*M.D. (Medicine)	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66

*No class awarded

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
18	*M.D. (O. and G.)	3	—	2	1	3	—	—	—	—	—	—	—	—	—	—	—	0.00
19	*M.S. (Surgery)	3	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	0.00
20	*Diploma in Ophthalmology	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4	80
21	*Dip. in Anaesthesiology	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
22	*Dip. in Laryngology and Otology	9	1	8	—	8	—	—	—	4	4	—	—	—	—	—	4	50
23	*Dip. in Pediatrics	3	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	0.00
24	*Dip. in Venereology and Dermatology	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	0.00
25	*Dip. in Tuberculous Diseases	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100
26	*Dip. in Clinical Pathology	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	0.00
27	*Dip. in Gynaecology and Obstetrics	8	—	5	3	8	—	—	—	3	3	—	—	—	1	1	4	50
28	F. Y. Dip. (CME)	174	2	172	—	172	—	—	—	63	63	—	—	—	—	—	63	36.62
29	S. Y. Dip. (CME)	50	2	48	—	48	—	—	1	24	25	—	—	—	—	—	25	52.08
30	Dip. in Civil Engg.	15	2	13	—	13	—	1	3	4	8	—	—	—	—	—	8	61.54
31	Dip. in Mech. Engg.	23	—	23	—	23	—	—	8	9	17	—	—	—	—	—	17	73.91
32	*Dip. in Mech. Engg. (Under O.621)	6	1	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60
33	Dip. in Elect. Engg.	35	2	33	—	33	—	—	4	15	19	—	—	—	—	—	19	57.57
34	*Dip. in Elect. Engg. (Under O.630)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	0.00
35	Dip. in Text. Chem.	9	1	8	—	8	—	—	2	5	7	—	—	—	—	—	7	87.5
36	Dip. in Text. Chem. (Under O.547)	2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
37	Dip. in Text. Tech.	4	—	4	—	4	—	1	1	—	2	—	—	—	—	—	2	50

*No classes the awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
38	F.E. (CMETeTt)	132	1	130	1	131	—	—	4	66	70	—	—	—	1	1	71	54.19
39	S.E. (CMETeTt)	123	6	116	1	117	—	—	2	66	68	—	—	—	—	—	68	58.12
40	T.E. (CME)	153	4	148	1	149	—	—	—	88	88	—	—	—	—	—	88	59.06
41	T.Text. (Engg.)	7	—	7	—	7	—	—	—	4	4	—	—	—	—	—	4	55.55
42	T.Text. (Tech.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
43	B.E. (Civil)	24	1	23	—	23	—	1	8	6	15	—	—	—	—	—	15	65.22
44	B.E. (Mech.)	20	—	20	—	20	—	1	10	2	13	—	—	—	—	—	13	65
45	B.E. (Elect.)	22	2	20	—	20	—	—	8	1	9	—	—	—	—	—	9	45
46	*M.E. (Civil)–Part I	11	1	10	—	10	—	—	—	9	9	—	—	—	—	—	9	90
47	*M.E. (Mech.)–Part I	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	0.00
48	*M.E. (Elect.)–Part I	2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100
49	*M.E. (Civil)–Part II	5	1	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100
50	M.E. (Civil)–Part III	1	—	1	—	1	—	1	—	—	1	—	—	—	—	—	1	100
51	IInd Yr. B.Arch.	44	2	36	6	42	—	—	1	16	17	—	—	—	5	5	22	53.66
52	Int. Arch.	25	—	24	1	25	—	—	—	21	21	—	—	—	1	1	22	88
53	B.Arch.	27	1	26	—	26	—	—	5	19	24	—	—	1	—	—	24	92.30
54	Ist LL.B.	90	22	65	3	68	—	1	2	23	26	—	—	‡1	‡7	8	27	39.70
55	B.Sc. (Home)	10	—	—	10	10	—	—	—	—	—	—	—	—	—	—	8	80
56	M.S.W.	5	—	4	1	5	—	—	—	†4	4	—	—	—	—	—	4	80
57	*Ph.D. (Arts)	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100
58	*Ph.D. (Science)	3	—	2	1	3	—	—	—	2	2	—	—	—	1	—	3	100
59	*Ph.D. (Education)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100

* No class awarded. ‡ With B Grade. † With C Grade.

7. Finance of the University

(1) Endowments received during the year :

(a) Shri L. M. Chitale Memorial Prize Fund :

The Syndicate accepted the donation of Rs. 2,500 from Shri S. L. Chitale, Chartered Architect, Madras for awarding annually a cash prize of Rs. 75 at the Faculty Day Celebration of the Faculty of Technology and Engineering to a student who stands first at the first attempt in the III Year Architecture Degree Course examination held by the M. S. University of Baroda in March/April.

(b) Dr. Tapidas Memorial Gold Medal Fund :

The Syndicate accepted the donation of 40 Second Preference Shares of Tata Iron & Steel Co. Ltd., yielding 7½% interest from Shri Kumudkant T. Doctor, Baroda for awarding a gold medal at the Annual Convocation to a student of the regular batch who stands first at the M.S. in Surgery Examination of the M. S. University of Baroda at first attempt provided, however, the student has passed his all examinations of M.B.,B.S. Course of the M. S. University of Baroda at first attempt.

In absence of above, the award of the medal shall be made to a student of the regular batch who stands first at the M.D. in Medicine Examination of the M. S. University of Baroda at the first attempt provided, however, the student has passed his all examinations of M.B.,B.S. Course of the M. S. University of Baroda at first attempt.

(c) Shri Kalyanji Becharbhai Fund :

The Syndicate accepted the donation of Rs. 6,000 from Shri Kalyanji Becharbhai of Jiyor Kumbheshwar, the interest of which shall be utilised for giving help to poor and deserving students of the M. S. University of Baroda by way of Tuition Fees, Examination Fees, Books, Educational Apparatus, etc. as recommended by the Students' Aid Fund Committee.

(d) Principal Avasare Fund :

The Syndicate accepted the donation of Rs. 13,035 from Dr. M. P. Shah, Secretary, Principal Avasare Fund, for awarding every year a gold medal and a cash prize at the Final Year B.Sc. degree examination of March/April as under :

(i) A gold medal not exceeding the cost of Rs. 300 at the Annual Convocation to a student who passes his final B.Sc. degree examination conducted by the M. S. University of Baroda in

March/April, at first attempt standing first in first class with Chemistry as Principal subject.

(ii) A cash prize equal to the balance after meeting the cost of the gold medal at the Faculty Day to a student who passes his final B.Sc. degree examination conducted by the M. S. University of Baroda in March/April at first attempt securing at least second class and obtaining the highest marks in Principal Chemistry subject and joining the M.Sc. Course in Physical Chemistry at the Faculty of Science, M. S. University of Baroda.

(e) Professor S. N. Mukerji Gold Medal Fund :

The Syndicate accepted the donation of Rs. 5,100 (50-Second Preference Shares of Tata Iron and Steel Co. Ltd.,) from M/s. Acharya Book Depot, Baroda for awarding a gold Medal at the Annual Convocation to a student who passes the whole M.Ed. Examination in June of the M. S. University of Baroda at first attempt and stands first with at least a second class.

Provided further that when the Chancellor's Gold Medal is awarded in the Faculty of Education and Psychology, this medal be awarded to a candidate who stands second in the whole examination at first attempt and with at least a Second Class.

(f) Poor and Deserving Students Scholarship Fund :

The Syndicate accepted the donation of Rs. 10,000 (100-Second Preference Shares of Tata Iron & Steel Co. Ltd.), received through Shri K. M. Kantawala, Baroda for awarding every year two scholarships of equal amount (1) to a poor and deserving student (Male or Female) of the F.Y.B.Sc. Class provided he/she continues his/her further studies in the Faculty of Science till his/her graduation and (2) to a poor and deserving student (Male or Female) of the Final M.B.,B.S.

(g) Dr. A. N. de Quadros Memorial Scholarship Fund :

The Syndicate accepted the donation of Rs. 2,500 in the form of 25 Second Preference Shares of Tata Iron & Steel Co. Ltd., for awarding a scholarship in twelve equal monthly instalments, to a student of the regular batch standing first in Pathology at the II M.B.,B.S. Examination of the Medical College, Baroda at the first attempt.

(2) Capital Accounts :

Receipts and payments for the year ended 31st March, 1963 (*i.e.* from the 1st April, 1962 to the 31st March, 1963)

(Subject to Audit)

I— University General Fund

Receipts	*Rs. nP.*	*Payments*	*Rs. nP.*
Interest	38,831=34	Water Supply Scheme in the University Campus	14,011=37
Grant from the State Government :		Constructing of the Building of the 3rd Gujarat Battalion NCC.	2,419=38
(a) Buildings of the 2nd Gujarat Girls Troops	43,460=44	University Office Building	2,97,664=65
(b) University Office Building	4,04,000=00	Hall of Residence for Students No. VI	2,87,561=22
Sale proceeds of the Land	26,212=38	Hall of Residence No. I (Near Polytechnic)	4,032=01
Revenue Account : Excess of receipts over Disbursements for the year 1962-63	59,475=37	Hall of Residence No. II (Near Polytechnic)	2,667=39
Add adjustment for the year 1961-62	3,000=00	Hall of Residence No. III (Near Polytechnic)	6,769=97
	5,71,979=53	Building for Technology Section	377=58
Opening Balance as on the 1st April, 1962	3,13,915=42	Extension to the Building of the Faculty of Home Science	1,018=65
		Cycle Shed in the Faculty of Home Science	1,985=98
		Adding up a room in the first floor of the Sevantibaug	28=18
		Ajwa Water Sump	2,492=58
		Providing North Light Roof for Furniture Shed in the Workshop of the Faculty of Technology and Engineering	12,712=01
		Constructing a Sump for the Hydraulic Laboratory for the Polytechnic Building	324=19
Carried over	8,85,894=95		

Receipts	*Rs.nP.*	*Payments*	*Rs. nP.*
Brought forward	8,85,894=95 8D6049:61	Providing Service Staircase, Storage and washing place for New Readers' Quarters	7,356=98
		Additional work of sanitary fittings, water supply, etc. in the Hall of Residence for Women Students	1,184=92
		Additions and Alterations in Vikram Baug Bungalow and Mosaic tiles flooring	34,418=00
		Providing coloured marble, Mosaic tile flooring in Readers' Quarters C and D Blocks	5,714=77
		Two Cycle Sheds for Halls of Residence for Women Students	16,970=14
		Sanitary fittings, water supply and drainage arrangements for the Building for the Department of Co-operation	1,266=23
		Sanitary fittings, water supply and drainage arrangement for 1st floor over columns in the Faculty of Commerce	1,651=59
		Providing Lavatory Block for Servants' Quarters behind Shri Manubhai Mehta Hall	852=37
		Temporary arrangement to close and open the dispensary countergate and temporary gate on the first floor varandah in the Building of the Health Centre	190=32
Carried over	8,85,894=95 8D6049:61	Providing earthing conductors in the new Buildings of the University	3,578=87

Receipts	*Rs. nP.*	*Payments*	*Rs. nP.*
Brought forward	8,85,894=95 8D6049:61	Providing Drainage line for Readers' Quarters 'C' Block and proposed Professors' Quarters near Vikrambaug	1,531=78
		Providing Lavatory Block for Servants' Quarters behind Shri Manubhai Mehta Hall	2,160=54
		Providing Roads for Readers' Quarters 'C & D' Blocks behind Vikram Baug Bungalow in Pratap Gunj	452=23
		Providing service staircase and washing places for Readers' Quarters Block 'C & D'	6,574=97
		Rifle Range for N. C. C. Building	3=00
		Covering the ground floor of the Extension of the Physics and Geography Departments of the Faculty of Science	11,625=50
		Providing II floor on three wings of Halls of Residence for Women Students No. III	1,61,626=05
		Compound wall from Pratap Gunj Road to existing compound wall behind General Education	6,648=00
		Additions and Alterations in the old Building of University Office	41=60
		Health Centre	376=79
		Polytechnic Building	9=85
		Physics and Geography Departments	3,561=38
		Non-Resident Students' Centre	544=43
		Improvement of Library facilities in the Faculty of Technology and Engineering	128=60
Carried over	8,85,894=95 8D6049:61		

Receipts	*Rs. nP.*	*Payments*	Rs. nP.
Carried over	8,85,894=95	Building for the Departments of Painting and Sculpture	315=00
		Construction of 1st floor over Columns on the North East Wing of the Social Sciences Block and two staff rooms on the North side of the Main Block	10,383=81
		Construction of 4 Readers' and 8 Lecturers' Quarters	198=16
		Faculty of Social Work Building	1,997=38
		Model information Centre, S.E.O. Training Centre	2,448=17
		Building for the Department of Co-operation	627=21
		Halls of Residence for Women Students No. III	1,42,886=42
		Construction of 9 Readers' and 12 Lecturers' Quarters	28,745=99
		Equipment for the Engineering Section	3,861=52
		Equipment for the Technology Section	4,486=37
		Advance to University Press :	
		For Types 2,155=46	
		For Machinery 4,602=30	
		For Furniture 2,086=00	
		For Building 19,916=75	
			28,760=51
			11,27,244=61
		Less Adjustments :	42,654=93
		Halls of Residence for Students No. V	1,000=84
		Residential Quarters for Staff and trainees at S.E.O. Training Centre	38=79
Carried over	8,85,894=95	Carried over	10,84,589=68

Receipts	*Rs. nP.*	*Payments*	*Rs. nP.*
Brought forward	8,76,049=61	Brought forward	10,84,589=68
		Construction of 5 Professors' Quarters and 5 Garages	1,520=97
		Construction of Class IV Servants' Quarters	41=45
		Improvement of Library facilities in the Faculty of Technology and Engineering	665=50
		Construction of 8 Lecturers' and 4 Readers' Quarters	39,387=38
Total :	8,76,049=61		
Excess of Disbursements over Receipts *i.e.* Deficit	2,08,540=07		
Total :	10,84,589=68	Total :	10,84,589=68

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

Receipts	*Rs. nP.*	*Payments*	*Rs. nP.*
Interest	37,415=91	Amount transferred to meet the excess recurring expenditure over and above the State Government Grant	30,148=99
Opening Balance as on the 1st April, 1962	11,19,313=62	Closing Balance as on the 31st March, 1963	11,26,580=54
Total :	11,56,729=53	Total :	11,56,729=53

III—Post-Graduate Instruction and Research Fund

Receipts	*Rs. nP.*	*Payments*	*Rs. nP.*
Interest	1,37,191=75	Amount transferred to Revenue Accounts towards the expenditure on research Schemes	92,921=94
Opening Balance as on the 1st April, 1962	43,44,438=92	Closing Balance as on the 31st March, 1963	43,88,708=73
Total	**44,81,630=67**	**Total**	**44,81,630=67**

(3) *Revenue Accounts :*

Receipts and Expenditure for the year ended the 31st March, 1963 (i.e. from the 1st April, 1962 to the 31st March, 1963) **(Subject to Audit)**

S.No.	Particulars	Receipts Rs.nP.
I	**Tuition Fees and other Income from Faculties and Institutions**	17,95,070=83
	(A) Faculties	
	(a) Faculty of Arts	2,93,619=03
	(b) Faculty of Science	3,29,948=71
	(c) Faculty of Education and Psychology	1,14,504=73
	(d) Faculty of Commerce	2,72,713=56
	(e) Faculty of Technology and Engineering	4,98,926=79
	(f) Faculty of Fine Arts	36,107=60
	(g) Faculty of Home Science	1,18,801=58
	(h) Faculty of Social Work	20,621=57
	(i) Faculty of Law	74,368=00
	(B) Institutions	
	(a) College of Indian Music, Dance and Dramatics	33,719=72
	(b) Preparatory Unit	1,727=04
	(c) Sanskrit Mahavidyalaya	12=50
II	**Examination Fees**	5,41,779=88
III	**Other Fees**	1,40,674=04
IV	**Income from Publications**	37,738=11

S.No.	Particulars	Disbursements Rs.nP.
I	**University General Administration**	2,95,372=56
II	**Examination Charges**	4,04,945=19
III	**Deadstock and Repairs**	14,870=58
IV	**Publications**	26,044=37
V	**Information and Publicity**	11,021=36
VI	**Remuneration to Lecturers**	—
VII	**Travelling allowance**	20,983=87
VIII	**Printing and Stationery**	44,978=32
IX	**Maintenance of Buildings and Roads and Temporary Establishment for Capital Works**	65,329=49
X	**Maintenance of Gardens**	25,310=79
XI	**Municipal Taxes and Law Charges**	3,356=34
XII	**University Contribution to Provident Fund**	13,628=26
XIII	**Miscellaneous**	1,00,830=13
XIV	**Research Staff, Contingencies, Equipment, etc.**	92,921=94
XV	**Scheme of Teaching Hindi to University Employees**	3,247=06
XVI	**Health Centre**	23,829=31
XVII	**University Guest House**	7,753=43

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S.No.	Particulars	Receipts Rs.nP.
V-A	**Grant from the State Government**	22,94,097=00
V-B	**Grant from the University Grants Commission and the State Government towards the increase in salaries of the teaching staff due to grade revision**	3,35,515=99
V-C	**Grants for Three Year Degree Course in Arts, Science and Commerce**	—
VI	**Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust**	3,00,000=00
VII	**Interest on Cash Balances**	13,592=51
VIII	**Income from Endowments**	93,888=17
IX	**Income from Halls of Residence for students**	3,43,914=50
X	**Income from use and occupations of University quarters and Bungalows including Furniture Rent**	87,026=49
XI	**Income from University Guest House**	2,216=61
XII	**Miscellaneous Income**	1,17,285=43
XIII	**Incom from M. S. University of Baroda Press**	2,59,113=49

S.No.	Particulars	Disbursements Rs.nP.
XVIII	**53% Expenditure of the University Grants Commission Unit**	6,824=71
XIX	**University Library**	2,19,357=56
XX	**Physical Education Department**	93,269=54
XXI	**Faculties and Institutions**	40,64,811=75
	(A) Faculties	
	(a) Faculty of Arts	4,86,310=65
	(b) Faculty of Science	2,97,786=99
	(c) Faculty of Education and Psychology	3,63,648=29
	(d) Faculty of Commerce	1,66,341=38
	(e) Faculty of Technology and Engineering	9,81,142=61
	(f) Faculty of Fine Arts	2,59,835=82
	(g) Faculty of Home Science	2,74,580=97
	(h) Faculty of Social Work	1,61,069=51
	(i) Faculty of Law	72,496=97
	(B) Institutions	
	(a) Oriental Institute	96,684=74
	(b) College of Indian Music, Dance and Dramatics	2,05,776=79
	(c) Preparatory Unit	43,743=98
	(d) Sanskrit Mahavidyalaya	55,395=85
XXII	**M. S. University of Baroda Press (Sadhana Press)**	2,81,602=47

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S.No.	Particulars	Receipts Rs.nP.	S.No.	Particulars	Disbursements Rs.nP.
XIV	Income from M. S. University Stationery Unit	1,09,975=81	XXIII	M. S. University Stationery Unit	1,13,680=28
XV	Income from University Health Centre	2,005=60	XXIV	M. S. University Publications Sales Unit	13,815=87
			XXV	Halls of Residence for Students	4,79,479=30
				Total:	64,27,264=43
				Excess of Receipts over Disbursements *i. e.* Surplus	46,630=03
	Grand Total:	64,73,894=46		Grand Total:	64,73,894=46

(4) Grants :

The following grants were received from the University Grants Commission, the Government of India, the Planning Commission, the Government of Gujarat and others for implementation of the approved development and research schemes, during the period from the 1st April, 1962 to the 31st March, 1963.

A. Grants from the University Grants Commission :

	Humanities		*Rs.*
1.	Staff in the Departments of Hindi, English and Sociology		27,800=00
2.	Furniture for the new building of the Faculty of Commerce and Departments of Economics and Politics		100=00
3.	Staff in the Departments of Economics and Politics		18,000=00
4.	Development of the Department of Archaeology and Ancient History		75,768=00
	(i) Staff and Maintenance	75,000	
	(ii) Equipment	768	
5.	Furniture and Equipment for the Department of Sociology		280=00
6.	Professor of Psychology		5,750=00
7.	Development of the Department of Co-operation		39,333=00
	(i) Building	28,000	
	(ii) Equipment	333	
	(iii) Staff	11,000	
8.	Introduction of the Three Year Degree Course in Commerce–Building		12,500=00
9.	Development of the Departments of Painting and Sculpture		59,723=00
	(i) Building for the Studio	27,400	
	(ii) Mezannine Floor	7,673	
	(iii) Furniture and equipment	2,150	
	(iv) Staff and contingencies	22,500	
10.	Furniture and Equipment for the Faculty of Social Work		89=75

	Humanities		*Rs.*
11.	Publication of the Gaekwed Oriental Series		1,645=41
12.	Publication of a Critical Edition of Valmiki Ramayana		87,000=00
13.	Furniture and Equipment for the College of Indian Music, Dance and Dramatics		1,000=00
14.	Pilot Project of Psychological Counselling for University Students		8,000=00
15.	Examination Reform and Research in the M. S. University of Baroda		14,055=05
16.	Additional Staff in Grants Commission Unit		5,500=00
17.	Third Hall of Residence for women Students		3,70,000=00
18.	Establishment of Students' Health Centre		15,000=00
19.	Establishment of Hobby Workshop		5,100=05
20.	Establishment of Non-Resident Student Centre		10,000=00
21.	Establishment of Film Club in Universities		2,500=00
22.	Construction of Staff Quarters		1,25,812=69
	(i) 4 Readers' and 8 Lecturers' Quarters	23,712=69	
	(ii) 9 Readers' and 12 Lecturers' Quarters	1,02,100=00	
23.	Development of the Department of Museology		26,000=00
	(i) Staff and Maintenance	21,000=00	
	(ii) Books and Equipment	5,000=00	
24.	Improvement of the existing Printing Press of the University		2,566=00
25.	Establishment of Students' Aid Fund		9,895=00
26.	Revision of Salary Scales of University Teachers		3,73,936=31
	(i) Humanities and Sciences	1,53,936=31	
	(ii) Technology and Engineering	2,20,000=00	
27.	Books and Journals on Humanities and Social Sciences		30,000=00
28.	Collection, Preservation and Utilisation of Manuscripts		1,000=00

	Humanities		*Rs.*
29.	Extension work by University Teachers		337=00
30.	Publication of approved research works		3,800=00
	(i) Theses of Dr. B. V. Shah, Dr. S. H. Joshi, Dr. S. G. Kantawala and Dr. R. K. Unni		
31.	Grant for Seminars		18,000=00
	(i) Summer School in Home Science	8,000=00	
	(ii) Autumn Seminar in Linguistics	10,000=00	
32.	Postgraduate and Research Scholarships		7,007=53
	(i) Shri A. Y. Tripathi	1,883=87	
	(ii) Shri B. R. Subramanyam	2,462=52	
	(iii) Shri P. N. Ambarkar	825=81	
	(iv) Shri Sitaram Agrawal	1,833=33	
33.	Senior/Junior Fellowships		11,800=00
	(i) Dr. (Kumari) S. H. Trivedi	6,000=00	
	(ii) Shri A. L. Lagvankar	5,800=00	
34.	Utilisation of the Services of Retired Teachers		9,894=58
	(i) Dr. S. S. Bhawe	5,161=28	
	(ii) Dr. P. M. Modi	4,733=30	
35.	Research Scheme by Dr. A. S. Patel—How far do Home conditions contribute to Juvenile Delinquency		1,000=00
36.	Travel Grants to Teachers		7,427=73
37.	Special Travel Grants		1,117=50
	(i) Dr. C. V. Ramakrishnan	1,000=00	
	(ii) Shri A. P. Balsubramanyam	117=50	
	Sciences		
1.	Additional Staff in the Faculty of Science		30,804=04
	(i) Three Professors and One Reader	14,054=04	
	(ii) Reader in Physical Chemistry	4,750=00	
	(iii) Staff in Bio-Chemistry Department	12,000=00	

	Rs.
Sciences	
2. Books and Journals on Scientific Subjects	30,000=00
3. Purchase of equipments for various Science Departments	1,45,000=00
4. Building for the Bio-Chemistry Department	65,000=00
Technology and Engineering	
1. Expansion Scheme of Degree Courses in Engineering—Staff and maintenance	35,490=11
2. Expansion Scheme of the Diploma Courses in Engineering-Staff and Maintenance	38,284=34
3. Books and Journals on Engineering and Technological subjects	15,000=00
4. Scheme of Transient Response of Magnetic Amplifiers	8,200=00
B. Grants from the Planning Commission, Government of India :	
1. Observance of National Plan Day by Planning Forums	500=00
2. Small Scale and Cottage Industries in Baroda District	93=75
3. Implementation of Tenancy Abolition in Gujarat State	4,720=00
C. Grants from the Ministry of Education, Government of India :	
1. Department of Extension Services	
2. Fellowships to French Fellows	18,699=84
3. Inter-Collegiate Youth Festival	750=00
4. Lectures by distinguished authorities on various aspects of Gandhiji's Life and thought	4,140=00 300=00
D. Grants from the Ministry of Scientific Research and Cultural Affairs, Government of India :	
1. Teaching Hindi to African Students	
2. Excavation Work at Shamlaji	1,800=00
E. Grants from the Ministry of Food and Agriculture, Government of India :	7,500=00
1. Refresher Course in Mother Craft and Balwadi Training	5,000=00

	Rs.
F. Grants from the Ministry of Community Development, Panchayat Raj and Co-operation, Government of India :	
1. Holding Essay and Debating Competitions on Panchayat Raj and Co-operation	410=00
2. Celebration of National Plan Week	279=93
G. Grants from the Ministry of Community Project Administration, Government of India :	
1. Social Education Organizers' Training Centre	1,24,629=10
H. Grants from the Council of Scientific and Industrial Research :	
1. Optical Studies on etched surfaces of Metal Alloy Crystals	1,880=00
2. Studies in Liquid Crystals-Effect of Structure on Liquid Crystals State	3,274=02
3. Optical and Related Properties of Luminescent Materials	3,518=02
4. Study of C4 Metabolism in Moulds and Plants	10,800=00
5. Study of Band Spectra of some diatomic Molecules of Fifth Group	1,250=00
6. Studies on the possibilities of the use of mixed cultures of Algae and Protozoa of Sewage Purification	4,968=08
7. Conductivity Measurements of Textile Fibres by Capacitance Charge Method and Evaluation of effects of different Antistatic Agents on the Electrification of Fibres	6,200=00
8. To get up Secondary Standards by Microwaves Spectra of different Isotopic Species of Methyle Alcohol and Methylemine	1,630=07
9. Research Fellowships	18,016=15
(a) Shri P. N. Raina 5,058=60	
(b) Shri V. N. Valyathan 4,000=00	
(c) Kumari A. K. Susheela 3,989=47	
(d) Shri V. K. Shah 4,968=08	

		Rs.
I.	**Grants from the National Council of Educational Research, Government of India :**	
1.	A Study of the Conformity and Deviation among adolescents	4,000=00
J.	**Grants from the Education and Labour Department, Government of Gujarat :**	
1.	Staff for the Departments of Hindi, English and Sociology	55,098=68
2.	Staff for the Departments of Economics and Political Science	18,000=00
3.	Furniture and Equipment for the Department of Sociology	2,890=00
4.	Staff for the Department of Psychology	8,750=00
5.	Staff for the Department of Co-operation	11,000=00
6.	Building to accommodate Painting and Sculpture Studios	41,200=00
7.	Mezzanine Floor in the Faculty of Fine Arts	8, 836,=5c
8.	Furniture and Equipment for the Faculty of Fine Arts	1,075=00
9.	Staff and Contingencies for the Department of Painting and Sculpture	22,500=00
10.	Publication of Gaekwad Oriental Series	4,645=41
11.	Publication of a Critical Edition of Valmiki Ramayana	17,447=00
12.	Pilot Project of Psychological Counselling for University Students	8,000=00
13.	Examination Reform and Research in the University	14,055=00
14.	Establishment of Non-Resident Students' Centre	12,714=00
15.	Improvement of the existing Printing Press of the University	1,283=00
16.	Additional Staff in the Faculty of Science	42,851=08
	(i) 3 Professors and 1 Reader 26,101=08	
	(ii) Reader in Physical Chemistry 4,750=00	
	(iii) Staff in the Bio-Chemistry Department 12,000=00	

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		Rs.
17.	Expansion Scheme of Degree Courses in Engineering	78,535=00
18.	Expansion Scheme of Diploma Courses in Engineering	2,16,984=00
19.	Establishment of High Voltage Laboratory in the Faculty of Technology and Engineering	10,000=00
20.	Revision of Salary Scales of University Teachers	80,730=48
21.	Building of the 2nd Gujarat Girls Troops	43,460=44
22.	Building for the University Office	4,04,000=00
23.	Department of Extension Services	6,250=00
24.	Industrial Training Institute	13,170=00
K.	**Grants from the Department of Agriculture and Land, Government of Gujarat :**	
1.	Home Science Wing for Training Gram Sevikas	1,17,142=06
	(i) Building 49,475=90	
	(ii) Furniture and Equipment 8,500=00	
	(iii) Staff and Maintenance 59,166=16	
L.	**Grants from the Department of Health and Industries, Government of Gujarat:**	
1.	Microbiological Synthesis of fat	4,700=00
2.	Studies on Guar Seeds	3,400=00
M.	**Grant from the Department of Co-operation, Government of Gujarat :**	
1.	Research Work in Processing of Crude Asbestos, etc. under Research Hobby Club	5,138=24
N.	**Grants from the UNESCO Research Centre**	
1.	Research Project on Rajkot Industrial Estate	10,000=00

8. Construction Division

(1) Personnel :

Shri B. B. Nanavaty, B.E. (Civil), A.M.I.E. (India), M.R.S.H. (London), continued to be the University Engineer during the year. He was assisted by a staff of one Assistant Engineer (Maintenance), two Assistant Engineers (Construction), 39 Class III and 44 Class IV servants.

(2) Original works completed :

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

	Description of the work	*Expenditure on the building or work during the year*	*Total expenditure on the building or work upto the 31st March, 1963*
		Rs.	*Rs.*
I.	**University General Fund :**		
(i)	University Office Building	2,97,664=65	6,79,133=20
(ii)	Hall of Residence for students (No. VI)	2,87,561=22	6,25,955=29
(iii)	Providing Service Staircase Storage and washing place for New Readers' Quarters (A & B Blocks)	7,356=98	12,247=99
(iv)	Cycle sheds for the Faculty of Home Science	1,985=98	6,099=96
(v)	Providing North light roof to furniture shed in the Workshop, Faculty of Technology and Engineering	12,712=01	23,095=78
(vi)	Constructing an Ajwa water sump for storage and pumping in the existing line for pushing up the supply near the Vth Hall of Residence for Men students	2,492=58	6,956=19
(vii)	Two cycle sheds for Women's Halls of Residence	16,970=14	16,970=14
(viii)	Additional work of Sanitary fittings, Water supply, etc., in the Third Hall of Residence for Women Students	1,184=92	1,184=92
(ix)	Providing Second Floor on three wings of the Third Hall of Residence for Women Students	1,49,428=75	1,49,428=75

	Description of the work	*Expenditure on the building or work during the year*	*Total expenditure on the building or work upto the 31st March, 1963*
		Rs.	*Rs.*
(x)	Additions and alterations in Vikrambag bungalow and mosaic tiles flooring	34,418=00	34,418=00
(xi)	Providing coloured marble mosaic tiles flooring in Readers' Quarters 'C' and 'D' Blocks	5,714=77	5,714=77
(xii)	Sanitary fittings, water supply and drainage arrangement for the building for the Department of Co-operation	1,266=23	1,266=23
(xiii)	Sanitary fittings, water supply and drainage arrangement for 1st floor over columns, Faculty of Commerce	1,651=59	1,651=59
(xiv)	Providing water closet for Servants' Quarters in the Hall of Residence for Women Students	852=37	852=37
(xv)	Temporary arrangement to close and open the countergate and temporary gate on the first floor verandah in the Building of the Health Unit Centre	190=32	190=32
(xvi)	Providing Drainage line for Readers' Quarters 'C' Block and proposed Professors' Quarters near Vikrambag	1,531=78	1,531=78
(xvii)	Providing lavatory block for Servants' Quarters behind Shri Manubhai Mehta Hall	2,160=54	2,160=54
(xviii)	Providing Roads for Readers' Quarters 'C' & 'D' Blocks behind Vikrambag Bungalow in Pratapgunj	452=23	452=23

Description of the work	Expenditure on the building or the work during the year	Total expenditure on the building or work upto the 31st March,1963
	Rs.	Rs.
(xix) Providing service staircase, washing places for Readers' Quarters Blocks 'C' & 'D'	6,574=97	6,574=97
(xx) Covering the ground floor of the Extension of Physics and Geography Departments the Faculty of Science	11,625=50	11,625=50
II. Works of Grants :		
(i) Third Hall of Residence for Women Students	2,82,349=97	6,30,436=42
(ii) Construction of 8 Readers' Quarters	1,07,783=52	2,01,945=49
III. Works of Depreciation Grants:		
(i) W.I. Gates for Faculties of Arts, Science and Education and Psychology	1,460=85	7,967=94
(ii) Replacing wooden floor by R.C.C. in front and back side Verandah of Nimb Nivas Bungalow	2,319=51	2,319=51

(3) Works in Progress :

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

I. University General Fund :			
(i)	Water Supply Scheme in the University Campus	14,011=37	2,37,870=98
(ii)	Providing further protective wall in Nala on West of Readers' Quarters in Pratapgunj	6,648=00	6,648=00
(iii)	Rifle Range for N.C.C. Building	3=00	3=00
(iv)	Extension to University Press Building	15,393=70	15,393=70
(v)	Providing earthing conductors in the New Buildings of the University	3,578=87	3,578=87

Description of the work	Expenditure on the building or work during the year	Total expenditure on the building or work upto the 31st March, 1963
	Rs.	Rs.
Works of Grants :		
(i) Building for General Education Centre (Grant from Ford Foundation)	2,52,409=02	11,95,231=83

Some remaining expenditure was incurred on the following works completed last year :

II. Works of Grants :			
(i)	Construction of Readers' Quarters 4 Nos. (B. Block)	198=16	1,04,147=23
(ii)	Construction of one Readers' Quarter near Polytechnic Hostel No. 1	102=72	23,368=72
(iii)	Constructing a new Building for Non-Resident students Centre	544=43	1,38,972=49
(iv)	Construction of 8 Lecturers' Quarters	7=06	1,40,355=18
(v)	Constructing a Building for Students' Health Centre	376=79	76,074=42
	Last year	393=39	393=39
(vi)	First Floor over Painting Studio for Extension of the Departments of Painting and Sculpture, Faculty of Fine Arts	315=00	1,34,398=50
(vii)	Constructing Mazzenine Floor and additions and alterations in the existing Exhibition Hall, Faculty of Fine Arts	451=00	41,814=79
(viii)	Constructing a building for the Department of Co-operation	5,251=13	54,627=21
(ix)	Extension of the Building of Faculty of Science for Physics and Geography Departments	3,561=38	2,04,984=76

Description of the work	Expenditure on the building or work during the year	Total expenditure on the building or work upto the 31st March, 1963
	Rs.	Rs.
(x) Constructing First Floor over columns on the north east wing of the Social Sciences Block and two staff rooms on the north side of the main Block	10,383=81	1,02,757=98
(xi) Modification of Library in the Faculty of Technology and Engineering	128=60	7,556=38
(xii) Polytechnic Building	9=85	13,51,481=13
II. University General Fund :		
(i) Constructing the Building of the 3rd Gujarat Battalion N.C.C.	2,419=38	2,01,164=20
(ii) Extension to the Building of the Faculty of Home Science	1,018=65	1,62,998=97
(iii) Building (Additions and alterations) for the Technology Section including compensation for land, etc.	377=58	9,78,600=56
(iv) Constructing three hostels under Polytechnic	13,469=37	17,58,498=98
(v) Constructing three Readers' Quarters near Polytechnic Hostel No. 1	308=14	70,106=17
(vi) Proposed shed in University Press Compound	1,161=61	4,523=05
(vii) Additions of a room on the ground floor as well as on the First floor and removing the Stair outside in the Shevantibag Bungalow	28=18	14,410=89
(viii) Constructing a sump for the hydraulic Laboratory for the Polytechnic	324=19	7,059=74

Description of the work	Expenditure on the building or work during the year	Total expenditure on the building or work upto the 31st March, 1963
	Rs.	Rs.
III Depreciation Grant :		
(i) Providing wire-fencing near Nalla side, Faculty of Science	100=00	5,523=89

Some adjustments were carried out in the following works completed last year and in previous years :

I University General Fund :		
(i) Construction of Professors' Quarters at Chamelibag Bungalow	1,520=97	2,63,503=91
(ii) Constructing 24 Servants' Quarters in the Compound of University Office	41=45	1,11,501=96
II Depreciation Grant :		
(i) Tile flooring in drawing rooms of the Residential Quarters	28=00	—
III Works of Grants :		
(i) Construction of 4 Lecturers' Quarters near Polytechnic Hostel No. 2	699=23	67,276=38

The total expenditure on Capital Works during the year under report was Rs. 15,68,394-11.

(4) Ordinary and Special Repairs

The works of Ordinary and Special Repairs were carried out throughout the year as per requirements of the University office and the different Faculties and Institutions. The total expenditure on repairs works during the year under report, was Rs. 86,702=33 and Rs. 1,49,470=65 for Ordinary Repairs and Special Repairs respectively. The entire estate and all the gardens except the Botanical Gardens in Baroda College area were looked after and maintained by the Construction Division.

9. Examination Reform and Research Unit

The Unit was established on the 2nd August, 1960. It is financed by the University Grants Commission and the Government of Gujarat

under their Special Schemes Programme. The staff of the unit consists of an Officer-in-Charge of the Unit, a Psychometrician, two Research Assistants and a typist-cum-clerk.

The main object of this research unit is (i) to analyse the examination results and suggest remedies to improve the system of examination and to reduce wastage and (ii) to evolve some suitable admission criteria for various courses.

During the academic year 1962-1963 the unit worked on two problems viz. (i) Qualitative Analysis of Essay Questions and (ii) Prediction of P.S.C.E. Marks from S.S.C.E. Marks. A full report on the above two studies has been published in March, 1963. The Unit has taken up the project of standardising an Entrance Test for University students.

10. National Emergency

When the Second term began a State of Emergency was declared in the country because of the Chinese aggression on our Mother land. The University promptly responded to the call for the Nation's Defence.

The first meeting of the Deans of Faculties, Heads of the Institutions, Heads of the Departments and some members of the teaching staff was held on the 12th November, 1962 to consider the steps to be taken in the University in view of the Chinese aggression and the Vice-Chancellor addressed the meeting. He appealed to help the Nation by joining the NC.C., Territorial Army, Home Guards, Rifle Clubs, Nursing course, etc. He also appealed the lady students to organise workshops for knitting woollen cardigans, jerseys, mufflers, socks, etc. for soldiers. It was decided at the meeting that the following contribution be paid by the employees towards the National Defence fund :

	Initial contribution from salary for the month of November, 1962	*Monthly contribution thereafter till National Emergency lasts*
1. Professor	10 percent of the salary	One day's salary
2. Readers	8 percent of the salary	-do-
3. Lecturers	5 percent of the salary	-do-
4. Tutors, Demonstrators and other Class III employees	One day's salary	One day's salary

The teachers and students promptly responded to the call.

Funds were collected and gold was also donated by the staff and students. Entertainment programmes and Fun Fairs were organised to collect funds.

The Students' Associations of different faculties and colleges and Students' Halls also effected economy in their normal expenditure and donated savings to the National Defence. A sum of Rs. 95,790=19 and 237.332 gms. of gold have been collected during the year.

Another very important step taken by the University was to make the N.C.C. compulsory for all men students for the first three years of study in the University. However, it was decided that the same be made progressively, and the students of the first two years are to be brought under compulsion from June, 1963.

The University also decided that the progressive lien of an employee who joins any of the emergency defence services be kept in the University service and if the salary of the employee appointed in defence service is less than his salary in the University, the difference be paid to the employee by the University.

CHAPTER II—OFFICERS AND AUTHORITIES OF THE UNIVERSITY

1. Officers

(1) The Chancellor :

His Highness Maharaja Fatehsinhrao Gaekwad, Maharaja of Baroda is the Chancellor of the University.

(2) The Vice-Chancellor :

Dr. Jyotindra M. Mehta, M.A. (Oxon), Ph.D. (London) Bar-at-Law continued as Honorary Vice-Chancellor under Statute 115 during the year. He attended various meetings in India, gave talks, delivered lectures and also presided over many social functions, some of which are mentioned below :

(a) Attended meetings of the Standing Committee of the Inter-University Board of India on the 16th April, and the 3rd August, 1962 at Madras and on the 6th February, 1963 at Bombay ;

(b) Attended a meeting of the Joint Board of Vice-Chancellor of the Statutory Universities in the States of Maharashtra and Gujarat in the S.N.D.T. Women's University, Bombay on the 30th August, 1962 ;

(c) Attended meetings of the Indian National Commission for Co-operation with UNESCO in New Delhi on the 26th, 27th and 28th September, 1962 ;

(d) Attended the Vice-Chancellors' Conference on the 11th, 12th and 13th October, 1962 in New Delhi ;

(e) Attended a meeting of the Man Power Committee at Sachivalaya, Ahmedabad on the 8th November, 1962 ;

(f) Attended the 38th Annual Meeting of the Inter-University Board of India in the S.N.D.T. Women's University, Bombay on the 7th, 8th and 9th February, 1963 ;

(g) Attended a meeting of the Court of the Indian Institute of Science at Bangalore on the 29th March, 1963 ;

(h) Presided over the concluding function of the Second State Level Conference of Planning Forums in the Home Science Faculty Auditorium on the 16th October, 1962 ;

(i) Deliveredan inaugural address at the Educational and Cultural Activities Week sponsored jointly by the United States Information Service and the University of Baroda in the Arts Faculty Central Hall on the 6th August, 1962 ;

(j) Delivered a lecture on " Education and Plan " at the Sardar Vallabhbhai Vidyapeeth, Vallabh Vidyanagar on the 5th September, 1962 ;

(k) Inaugurated the Seminar on ' The Teaching of English in connection with Literature ' in the Faculty of Arts arranged jointly by United States Information Service, Bombay, and the University of Baroda on the 6th August, 1962 ;

(l) Inaugurated a Seminar on Linguistics in the Faculty of Arts, Department of Sociology on the 15th October, 1962 ;

(m) Inaugurated the Conference of University Teachers of Gujarati in the Arts Faculty Central Hall on the 24th October, 1962 ;

(n) Visited different Universities in West Germany at the invitation of the Federal Republic of Germany and delivered lectures at some Universities from the 26th April to the end of May, 1962 ;

(o) Visited the Sussex University and the Bristol School of Dramatics at the invitation of the British Council, London in the first half of June, 1962.

(3) The Pro-Vice-Chancellor :

Dr. C. S. Patel, B.A. (Bom.), M.Sc. (Bom.), Ph.D. (Leeds) continued to work as the Pro-Vice-Chancellor under Statute 120. He attended the following meetings :

(a) 4th and 5th meeting of the Sub-Committee of the Gujarat State Industrial Research at Baroda on the 24th June, 1962 and at Ahmedabad on the 11th September, 1962 respectively ;

(b) 3rd meeting of the Gujarat State Industrial Research Committee at Ahmedabad on the 10th October, 1962 ;

(c) 2nd meeting of the Three-Men-Sub-Committee of the Gujarat State Industrial Research Committee at Ahmedabad on the 4th December, 1962 ;

(d) Visited Regional Research Laboratory, Hyderabad on the 9th January, 1963.

(4) Deans of Faculties:

The following persons worked as Deans of the respective Faculties :

Faculty	*Dean*
Arts	Professor I. P. Desai, M.A., Ph.D. (Bom.) (Upto 30-4-1962) Professor I. S. Gulati, M.A. (Punjab), Ph.D. (Lon.), (From 1-5-1962)
Science	Professor N. M. Bhatt, M.Sc., LL.B. (Bom.), Ph.D. (Edin.), F.S.S. (Upto 30-4-1962) Professor S. M. Sethna, M.Sc., Ph.D. (Bom.). (From 1-5-1962)
Education and Psychology	Professor S. N. Mukerji, M.A., A.M. (Columbia), D.T., T.D. (London), Dip. Edu. (Dublin), Dip. Edu., Ed.D. (Columbia)
Commerce	Professor B. G. Shah, M.Com. (Bom.)
Medicine	Dr. J. D. Pathak, B.Sc , M.D., F.C P.S.
Technology and Engineering	Professor P. J. Madan, B.Sc. (Eng.) (Edin), M Sc. (Eng.), D.I.C., M Inst. H.E. (London), A.M.I.E. (India)
Fine Arts	Professor N. S. Bendre, B.A. (Agra), G.D. (Art) (Bom.)
Home Science	Professor (Kumari) Justina A. Singh, M.Sc. (Oregon and Kansas) (Upto 28-1-1963) Professor (Shrimati) Amita Verma, B.A. (Hons.), (Bom.), M.A. Ed. (Michigan), (from 29-1-1963)
Social Work	Professor (Shrimati) Ammu M. Muzumdar, B.A. (Hons.), L.T. (Madras), M.A. (Chicago), D.S.W. (Columbia) (Upto 2-1-1963) Shri G. G. Dadlani, B.A. (Hons.), M.S.W. (M.S.U.), M.Sc. (Ohio) (From 19-1-1963)
Law	Shri H. C. Dholakia, M.A., LL.B. (Bom.), LL.M. (Cornell) (From 21-7-1962)

(5) The Registrar:

Shri B. K. Zutshi, M.A., LL.B. continued to be the Registrar.

(6) The Librarian:

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

(7) Other Officers:

	Name	*Designation*
(i)	Professor B. J. Sandesara, M.A., Ph.D.	Director, Oriental Institute
(ii)	Professor R. C. Mehta, B.A.	Principal, College of Indian Music, Dance and Dramatics
(iii)	Shri H. C. Mehta, M.A., B.T.	Principal, Baroda Sanskrit Maha-Vidyalaya
(iv)	Shri K. S. Yajnik, M.A., B.T.	Head, Preparatory Unit, and Co-ordinator, General Education Department
(v)	Professor C. H. Khadilkar, B.E. (Civil) A.M.I.C.E. (London)	Principal, Polytechnic
(vi)	Dr. G. P. Bhatt, B.A., B.T., M.Ed., Ph.D.	Principal, University Experimental School

2. Authorities

(1) The Senate

The Senate consisted of 90 members in the beginning and on Shri H. C. Dholkia becoming a member on his being appointed as Dean, Faculty of Law, the number became 91. The changes in the membership were as under :

(i) The following persons ceased to be the members of the Senate:

1 Professor I. P. Desai
2 Shri S. S. Surana
3 Principal S. B. Junnarkar
4 Shri Hari Sinha
5 Kumari Padma S. Chari
6 Shri K. R. Mehta
7 Dr. M. D. Avasare

(ii) The following persons became members of the Senate :

1 Professor I. S. Gulati
2 Professor S. M. Sethna
3 Shri A. C. Mukerjee
4 Shri H. C. Dholakia
5 Professor (Shrimati) Amita Verma

Professor N. M. Bhatt who ceased to be a member consequent upon his ceasing to be the Dean, Faculty of Science continued his membership on being nominated by the Government of Gujarat.

Shri G. G. Dadlani became an ex-Officio fellow on his being appointed as Dean, Faculty of Social Work.

(2) The Syndicate :

The Syndicate consisted of 15 members. Professor I. P. Desai ceased to be a member of the Syndicate on his ceasing to be the Dean, Faculty of Arts. Professor (Kumari) Justina A. Singh was elected to the Syndicate on the 21st October, 1962. She ceased to be the Dean, Facutly of Home Science on the 29th January, 1963 and as a result she ceased to be a member of the Syndicate. Professor B. G. Shah, Dean, Faculty of Commerce was elected to the Syndicate on the 24th March, 1963.

The following persons continued/become members of the Syndicate :

(1) Dr. Jyotindra M. Mehta, Vice-Chancellor
(2) Dr. C. S. Patel, Pro-Vice-Chancellor
(3) Shri D. L. Sharma, Director of Education
(4) Dr. (Smt.) Hansa Mehta
(5) Dr. B. B. Yodh
(6) Shri B. B. Joshi
(7) Shri J. S. Parikh
(8) Shri D. M. Parikh
(9) Smt. Ansuya I. Amin
(10) Shri N. D. Chokshi
(11) Professor I. P. Desai (Upto 30-4-1962)
Professor (Kum.) Justina A. Singh (From 21-10-1962 to 28-1-1963)
Professor B. G. Shah (From 24-3-1963)
(12) Professor S. N. Mukerjee
(13) Professor N. M. Bhatt
(14) Dr. T. V. Patel
(15) Professor P. J. Madan

CHAPTER III—THE SENATE

1. Number of meetings

The Senate met twice during the year on the 21st October, 1962 and the 23rd March, 1963.

2. Attendance

57 members attended the meeting held on the 21st October, 1962 and 44 members on the 23rd March, 1963.

3. First Meeting

At the first meeting of the Senate held on the 21st October, 1962, condolence resolutions mourning the demise of Dr. M. A. Buch and Shri N. N. Makati were passed.

The following business was transacted :

(1) Professor (Kumari) Justina A. Singh was elected to the Syndicate under section 23(2) (vi) of the Act—vice Professor I. P. Desai.

(2) The following members were elected to the Board of Accounts :
1 Shri B. G. Contractor
2 Shri Chandravadan Chimanlal
3 Shri M. M. Patel

(3) The following members were elected to the respective Board of Visitors as mentioned against their names :

S. No.	*Name*	*Board of Visitors for the*
1	Shri R. P. Desai	Faculty of Technology and Engineering
2	Shri P. V. Shah	Polytechnic

(4) The following fellows were assigned to the Faculties mentioned against their names :

S. No.	*Name*	*Ex-officio/elected/ nominated*	*Faculty/ Faculties*
1.	Shrimati Indumati Chimanlal	Ex-officio	Arts
2.	Professor I. S. Gulati	Ex-officio	Arts and Commerce
3.	Professor S. M. Sethna	Ex-officio	Science

S. No.	Name	Ex-officio/elected/ nominated	Faculty/ Faculties
4.	Shri D. L. Sharma	Ex-officio	Education and Psychology
5.	Shri M. M. Patel	Ex-officio	Technology and Engineering
6.	Shri Hari Sinha	Nominated	Technology and Engineering

(5) Renewal of lapsed grants amounting to Rs. 28,888/- in the revenue budget and Rs. 2,84,345/- in the capital budget, and supplementary grants amounting to Rs. 73,032/- in the revenue budget and Rs. 2,86,890/- in the capital budget were sanctioned.

(6) Statute 91 was amended by

(i) substituting the word 'Prakrit' for 'Ardha-magadhi' at Sr. No. 1 under the heading 'I Faculty of Arts';

(ii) adding the figure and words '4-Co-operation, 3 to 5 members' under the heading 'IV Faculty of Commerce'.

(7) Statute 193 was amended by

(i) addition of words 'Diploma (Post S. S. C.),' after the words, 'studying in the' and before the words 'degree and post-graduate Classes' in the first para;

(ii) deletion of the words, 'and that the above advantage shall be given to such dependents admitted on merit only under the rules laid down from time to time.'

(8) Statute 193 A was amended as under:

"S. 193 A: Superannuation age for all employees shall be completion of 60 years of age.

Provided, however that

(a) the Syndicate for the reasons of which it is the sole judge can retire an employee, except Class IV staff, on completion of age of 55 years or thereafter;

(b) the pensionery rights of the employees, except Class IV staff, whose pension liability is accepted by the Government of Gujarat will cease from the date when the employee completes the age of 55 years."

Statute 200 was amended by

(i) addition of the figure and words '2. Diploma in German Language' after the figure and words, 'I. Visharad' under the heading, "In the Faculty of Arts";

(ii) addition of the figure and words, '2. Diploma in Early Childhood Education (Dip. E.C.Ed.)' after the figure and words, 'I. Diploma in Teaching (T.D.)' under the heading, "In the Faculty of Education and Psychology";

(iii) deletion of the figure and words 'I. Diploma in Architecture (Dip. Arch.)' and make the consequential changes so that '7. Diploma in Dramatics (Dip. Dramatics)' reads as '6. Diploma in Dramatics (Dip. Dramatics)' under the heading "In the Faculty of Fine Arts";

(iv) addition of the figure and words, '4. Diploma in Textile Design' and '5. Post-Diploma in Fine Arts' after the figure and words, '3. Diploma in Applied Arts (Dip. App. Arts)' and make the consequential change so that '6. Diploma in Dramatics (Dip. Dramatics)' will read as, '8. Diploma in Dramatics (Dip. Dramatics)' under the heading "In the Faculty of Fine Arts";

(v) addition of the figure and words, '9. Post-Diploma in Dance' after the figure and words, '8. Diploma in Dramatics (Dip. Dramatics)' under the heading "In the Faculty of Fine Arts."

(10) Amendments and additions made to Ordinances and Rules mentioned in Pamphlet No. 1 of the Hand-book Part II—1961 were considered and passed.

(11) (a) The Thirteenth Annual Report and the Thirteenth Annual Accounts of the University for the year 1961-62 were passed.

(b) The excess expenditure over the revised estimates for the year 1961-62 was also sanctioned.

(12) A proposal to institute the following new posts were considered and passed:

I Faculty of Arts

(1) Lecturer in Hindi
(2) Lecturer in Sociology
(3) Lecturer in History
(4) Lecturer in History
(5) Lecturer in Philosophy
(6) Lecturer in Economics

II Faculty of Science

(1) Reader in Physics
(2) Reader in Chemistry
(3) Lecturer in Chemistry
(4) Lecturer in Chemistry
(5) Reader in Botany
(6) Reader in Zoology
(7) Reader in Bio-chemistry
(8) Reader in Mathematics
(9) Lecturer in Mathematics
(10) Reader in Statistics
(11) Professor in Geography
(12) Lecturer of Geography
(13) Professor of Geology
(14) Reader in Geology
(15) Lecturer in Geology
(16) Lecturer in Geology

III Faculty of Commerce

(1) Reader in Accounts

IV Faculty of Law

(1) Reader in Law

V Faculty of Fine Arts

(1) Reader in Art History
(2) Reader in Aesthetics

VI Faculty of Home Science

(1) Reader in Child Development
(2) Lecturer in Child Development
(3) Reader in Foods and Nutrition
(4) Lecturer in Foods and Nutrition

(5) Lecturer in Home Management
(6) Lecturer in Home Science Education.

(13) The designations of the following instituted posts were amended as mentioned against each :

Faculty of Home Science

Present designation	*Proposed designation*
Reader in Home Science	Reader in Clothing and Textile

Faculty of Social Work

Reader in Social Work for S.E.O. Training Centre	Professor or Reader in Social Work for the S.E.O. Training Centre (Mukhya Sevika Training Centre).

(14) The motion by Shri J. A. Pandya to introduce a course in Journalism was not approved by the Senate.

4. Second Meeting

At the second (Annual) meeting held on the 23rd March, 1963, condolence resolutions mourning the demise of Principal A. K. Trivedi, Dr. M. D. Avasare, Dr. A. N. de Quadros and Principal K. R. Mehta were passed.

The following business was transacted :

(1) Professor B. G. Shah, Dean, Faculty of Commerce was elected to the Syndicate under section 23(2) (vi) of the Act—vice Professor (Kum.) Justina A. Singh.

(2) The following members were elected to the Council of Post-graduate studies and Research under section 27 (2) (vi) of the Act.

1. Professor B. J. Sandesara
2. Professor L. J. Bhatt
3. Professor A. R. Chavan
4. Professor S. M. Sen
5. Dr. M. A. Patel

(3) Professor L. B. Shah and Professor R. C. Mehta were elected to the Board of Extra Mural Studies.

(4) Shri Chandrakant C. Mehta was elected to the Board of Visitors for the Faculty of Social Work.

(5) The following Fellows were assigned to the Faculty/Faculties mentioned against their respective names :

S. No.	Name	Ex-officio/elected/ nominated	Faculty/Faculties
1.	Shri K. K. Shah	Ex-offico	Law
2.	Shri H. C. Dholakia	Ex-offico	Law
3.	Professor (Shrimati) Amita B. Verma	Ex-offico	Home Science
4.	Shri G. G. Dadlani	Ex-offico	Social Work
5.	Shri A. C. Mukerji	Nominated	Technology and Engineering

(6) The Annual Financial Statement comprising of the revised estimates for the year 1962-63 and estimates for the year 1963-64, was considered and passed.

(7) Amendment and additions made to Ordinances and Rules mentioned in Pamphlet No. 1 of the Hand-book Part II, 1961, were considered and passed.

(8) The Report of the Board of Accounts for the year 1961-62 was approved.

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

Faculty of Arts

Lecturer in Agriculture Economics

Faculty of Commerce

Lecturer in Banking

Faculty of Technology and Engineering

(1) Professor of Chemical Engineering
(2) Reader in Chemical Engineering
(3) Reader in Chemical Engineering
(4) Reader in Mechanical Engineering
(5) Reader in Chemistry
(6) Lecturer in Chemical Engineering
(7) Lecturer in Chemical Engineering
(8) Lecturer in Electrical Engineering
(9) Lecturer in Applied Mechanics
(10) Lecturer in Civil Engineering
(11) Lecturer in Mathematics
(12) Lecturer in Mathematics
(13) Lecturer in Chemistry
(14) Lecturer in Physics
(15) Lecturer in Economics

Faculty of Fine Arts

Lecturer in Museology

CHAPTER IV—THE SYNDICATE

1. Number of Meetings

During the year the Syndicate held ten meetings in which they considered and passed resolution on 804 items. Some of the important decisions are mentioned in the following paragraphs.

2. Attendance at the meetings

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

S. No.	Name	No. of meetings held	Class of meetings O=Ordinary S=Special	Present	Absent	Remarks
1	Dr. Jyotindra M. Mehta, Vice-Chancellor	10	O.3 S.7	O.3 S 7	— —	
2	Dr. C. S. Patel, Pro-Vice-Chancellor	10	O.3 S.7	O.3 S.7	— —	
3	Director of Education or his nominee	10	O.3 S.7	O.1 O.2 S.5 S.2		
4	Dr. (Smt.) Hansa Mehta	10	O.3 S.7	O.– O.3 S.2 S.5		
5	Dr. B. B. Yodh	10	O.3 S.7	O.2 O 1 S.6 S.1		
6	Shri B. B. Joshi	10	O.3 S.7	O.2 O.1 S.6 S.1		
7	Shri J. S. Parikh	10	O.3 S.7	O.2 O.1 S.7 S.–		
8	Shri D. M. Parikh	10	O.3 S.7	O.3 O.– S.6 S.1		
9	Smt. Ansuya I. Amin	10	O.3 S.7	O.3 O.– S.5 S.2		
10	Shri N. D. Chokshi	10	O.3 S.7	O.3 S.7	— —	
11	Professor I. P. Desai	1	S.1	S.1	—	Ceased to be a member from 30-4-1962

Sr. No.	*Name*	*No. of meetings held*	*Class of meetings O=Ordinary S=Special*	*Present*	*Absent*	*Remarks*
12.	Professor (Kumari) Justina A. Singh	3	O.1 S.2	O,1 S 2	— —	Became member from 21-10-1962 and ceased to be a member from 29-1-1963.
13	Professor S. N. Mukerjee	10	O.3 S 7	O.3 S.6	O.– S.1	
14	Professor N. M. Bhatt	10	O.3 S.7	O.3 S.7	O.– S.–	
15	Dr. T. V. Patel	10	O.3 S.7	O.3 S.5	O.– S.2	
16	Professor P. J. Madan	10	O.3 S.7	O.3 S.6	O.– S.1	

3. New developments and improvements in the existing departments

To meet the increased work in the University office a Committee was appointed to review the clerical Establishment and to recommend minimum staff necessary. On the recommendation of the Committee new posts of one Head clerk, three Senior clerks, three clerks, one Peon were created, one of the existing posts of Head clerk was converted to that of a Superintendent, one post of a Senior clerk, one post of clerk and the post of a typist were created in the Construction Division. The University Health Centre started functioning as the building was completed and necessary appointment of staff including the Medical Officer was made. An additional amount of Rs. 10,000/- was sanctioned for purchase of books and periodicals in the University Library; a new post of a Head clerk was created to cope up with the increased work.

In the Faculty of Arts a post of Lecturer in German was instituted and the Visiting Professor expenditure was charged to the post.

In the Faculty of Science new posts of a Lecturer in Statistics and a Draftsman in Geography were created. The temporary post of a clerk in the Statistics Department was made permanent.

In the Faculty of Education and Psychology a post of a clerk was created. In the Department of General Education the post of a lecturer in Social Studies was made permanent.

In the Faculty of Commerce a new post of a Lecturer in Business Administration and Management was created.

In the Faculty of Technology and Engineering the revision of salary, Syndicate agreed to implement from the 1st April, 1961, the scales of the technological and engineering staff as per recommendations of the All India Council of Technical Education. The posts of Sectional Superintendent and a Library Clerk were created in the Library of the Faculty.

In the Faculty of Home Science new posts of a Lecturer in Child Development and a Demonstrator were created. In order to encourage the teachers of the University to learn Hindi language, the University conducted special classes during the year both for the Elementary and Higher courses, 25 teachers passed the Elementary Examination and 17 teachers passed the Higher Examination in Hindi. The total number of teachers who have passed Elementary/Higher examination or exempted from appearing at the examinations is 182.

The University Holidays, terms and vacations were re-organised. All the holidays except the Republic Day, Independence Day, Birthday of Mahatma Gandhi and Uttarayan were abolished. The Winter vacation was extended for a period of two weeks. The Mid-year vacation is also extended for four weeks instead of three. The proviso which necessitates teachers to stay in the University premises for one week after the closing of the second term is also abolished. The Holidays for the Administrative staff are also abolished and they are given three breaks of one week duration in October, December and May. This has enabled the smooth and non-stop working of the Faculties.

4. Honorary Professors

The provision for inviting eminent scholars and experts in specialized branches of knowledge as Honorary and Visiting Professors and Lecturers was continued during the year.

The following were invited or continued :—

(a) Honorary Professors

	Name	*Subject*	*Faculty/Institution*
(i)	Dr. Mary S. Lyle	Home Science Education and Extension	Faculty of Home Science
(ii)	Dr. Pofenberger	Child Development	—do—
(iii)	Dr. Margarat Warning	Clothing and Textile	—do—

	Name	*Subject*	*Faculty/Institution*
(iv)	Mrs. Enid Wortman	Home Management	Faculty of Home Science
(v)	Dr. Elenor Barnes	Foods and Nutrition	—do—
(vi)	Dr. H. T. Muzumdar	Sociology and Social Work	Faculty of Social work
(vii)	Pt. Kedarnath Oza	(i) Alankar–Mimansayan—Appaya-Dixitaha (ii) Sahityasamalochana—Vishwanathaha	Sanskrit Mahavidyalaya
(b) Honorary Lecturers :			
(i)	Shri S. K. Roy	Electrical Engineering	Faculty of Technology and Engineering
(ii)	Shri A. J. Talati	Architecture	—do—

5 Additional grants for Research

In addition to the amount sanctioned in the revenue budget and grants received from the Government and different Research Institutes, the University also considered the schemes of surveys, research, studies etc. and sanctioned necessary grants for books, equipments, contingencies to provide additional facilities for research work. Some schemes approved previously were continued and some additional schemes were sanctioned as under :—

Department/ Faculty	*Particulars*	*Amount Sanctioned*
1	2	3
		Rs.
Economics	(i) Survey of Consumer's Finance in Baroda	2500
	(ii) Village Survey scheme	
	(iii) Field work	2650
Gujarati	(i) Scheme of Publication of Critical edition of old Gujarati text	500
	(ii) Publications of Late Professor B. K. Thakore	5350
		2235

1	2	3
History	Research in Muslim History of Gujarat	3950
Sanskrit	Publication of the translation of the Ninth Mandal of Rgveda	2200
Sociology	For contingencies, field work traineeships and publications	7300
Politics	Research on "Leadership in an Indian Village"	7354
Science	Purchase of equipments, Fine Chemicals and contingencies for various research schemes	1485
Education and Psychology	(i) Study and editing of the important record, educational records of the Baroda State under the Maharaja Sayajirao Gaekwad	4300
	(ii) Survey and evaluation of the Administration of School system in India	2400
	(iii) Explorating longitudinal studies of children in experimental school	400
Medicine	Purchase of equipments, contingencies etc. for various research schemes	3880
Technology and Engineering	(i) Study and Analysis of Tajmahal	700
	(ii) Field work in Geology department	1000
College of Indian Music, Dance and Dramatics	(i) Scheme of Bibliography of plays	3800
	(ii) Publication of research papers etc.,	3000
Archaeology and Ancient Indian History	Excess amount to be borne by the University over the recurring grant sanctioned by the University Grants Commission	62639
Museology	Excess amount to be borne by the University over the recurring grant sanctioned by the University Grants Commission	27920
	Total :	1,58,929/-

CHAPTER V—OTHER AUTHORITIES OF THE UNIVERSITY

1 Council of Post-graduate Studies and Research

The Council of Post-graduate Studies and Research met thrice during the year on the 16th July, 5th December, 1962 and the 2nd March, 1963 and considered in all 56 items referred to it.

The following are the main items considered and recommended by the Council and approved subsequently by the Syndicate.

(1) Research Schemes:

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

	Title of the Scheme	*Conducted by*
(i)	A Linguistic Cultural Comparison of English and Gujarati	Professor M. S Patel, Faculty of Education and Psychology
(ii)	A Survey of living conditions of M. S. University Students (with special reference to relation to Education)	Dr. A. S. Patel, Faculty of Education and Psychology
(iii)	Construction and Standardisation of Guidance Tools	Dr. (Kumari) P. Pasricha, Counsellor, Students Counselling Centre, Faculty of Education and Psychology
(iv)	A Study of Personality Development in Four Castes in a Gujarat Village	Professor (Smt.) Amita Verma, Head of the Child Development Department, Faculty of Science
(v)	Studies on Nicotinic Acid, Metabolism in Fermgreek (Methi)	Professor C. V. Ramakrishnan, Faculty of Home Science

(b) The Council recorded the progress reports of the following Research schemes and recommended their continuation wherever necessary:

	Title of the Scheme	*Conducted by*
(i)	Swelling Pressure in Expansive Soils (Years 1962-63 and 1963-64)	Shri P. V. Parikh, Faculty of Technology and Engineering.
(ii)	Inquiry into Investigations on Urinary excretions etc. Inquiry into Investigations on effect of different foods	Dr. M. L. Pai, Medical College, Baroda Dr. M. L. Pai, Medical College, Baroda
(iii)	Investigation of the factors of stress concentration in bars with sharp grooves and fillets in tension, photo-elastically	Dr. R. T. Shah, Faculty of Technology and Engineering
(iv)	(a) Urinary Sulphur excretion, and (b) Skin temperature of Indians	Dr. J. D. Pathak, Dean, Medical College, Baroda
(v)	Metal Chelates of Oximes	Dr. A. M. Talati, Faculty of Technology and Engineering
(vi)	Studies on the Isolation of suitable Algae for Sewage Purification	Jointly by— (1) Professor A. R. Chavan, Faculty of Science (2) Professor C. H. Khadilkar, Principal, Polytechnic (3) Shri V. K. Shah, Faculty of Science.
(vii)	Study of the effect of Growth regulating substances on Cotton, Sorghum, Wheat etc.	Dr. C. H. Pathak, Faculty of Science
(viii)	Transport and the Rise of Towns in Gujarat	Smt. V. A. Janaki, Faculty of Science

	Title of the Scheme	*Conducted by*
(ix)	The effect of Protein Malnutrition on Mental Development and Intelligence in Rats	Professor C. V. Ramkrishnan, Faculty of Science
(x)	Mesomorphism and Chemical Constitution	Dr. J. S. Dave, Reader in Chemistry, Faculty of Science
(xi)	Structural investigation of high grade metamorphic rocks	Dr. S. S. Merh, Faculty of Technology and Engineering
(xii)	Exploratory Longitudinal Studies of Children in the University Experimental School : Grades—I to IV	Dr. (Smt.) P. Phatak, Faculty of Education and Psychology

N.B.: Schemes Nos. (viii) and (ix) are continued further for a period of four and six months respectively.

(2) The Council recorded the 22nd and 23rd half-yearly progress reports of the Critical Editions of Old Gujarati Texts (Prachin Gurjar Granthamala.)

(3) The Council recommended that (i) Central Public Health Engineering Research Institute, Nagpur, (ii) Regional Research Laboratory, Jammu and Kashmir and (iii) the Alembic Chemical Works Co. Ltd., Baroda be recognised for carrying on research by the students of the University for the Ph.D. Degree of this University and also recommended recognition of three members of the staff of the Alembic Chemical Works Co. Ltd., Baroda for guiding the research work.

(4) The Council sanctioned an amount of Rs. 2,950 for the purpose of (a) building of a kiln, (b) Thermo-Couple in the Department of Archaeology, Faculty of Arts, Baroda for the purpose of conducting further research work on the technical studies of Ancient Indian Ceramics as proposed by the Head of the Department of Archaeology and Ancient History.

(5) The Council on consideration of the letter from the Assistant Educational Adviser (Technical), Ministry of Scientific Research, Government of India, New Delhi regarding the question of providing facilities to students enlisting in armed forces during the National Emergency to enable them to complete their courses and take examinations on return from active service resolved as under :

" That the students who have put in a certain period towards their post-graduate studies in the University and have thereafter joined the Defence Services during the present Emergency without completing their required terms for such studies be permitted to count the period already so spent by them towards the fulfilment of the necessary period if they wish to complete their post-graduate studies after demobilisation. "

(6) The Council recommended the recognition of 27 more teachers as post-graduate teachers in different subjects.

All the above recommendations were subsequently approved by the Syndicate.

2. Faculties

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

S. No.	*Name of the Faculty*	*Date/s of meeting/s*
(i)	Arts	27-1-1963
(ii)	Science	28-1-1963
(iii)	Education and Psychology	1-10-1962
(iv)	Commerce	27-1-1963
(v)	Medicine	20-10-1962
		24-3-1963
(vi)	Technology and Engineering	28-1-1963
(vii)	Fine Arts	28-1-1963
(viii)	Home Science	29-9-1962
(ix)	Social Work	21-10-1962
(x)	Law	27-1-1963
(xi)	Joint meeting of the Faculties of Arts and Commerce	27-1-1963
(xii)	Joint meeting of the Faculties of Arts, Science and Commerce	27-1-1963
(xiii)	Joint meeting of the Faculties of Science and Technology and Engineering	28-1-1963

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

(a) Faculty of Arts

(i) Approved to revise the courses for Alankara Shastra, Paper V and VI at M.A.

(ii) Decided to introduce the teaching of Prakrit at B.A. and M.A. level at the Oriental Institute in co-operation with the Department of Sanskrit where also qualified teachers are available with a view to have ultimately a full-fledged course for B.A. and M.A. degree examinations.

(iii) Approved modification in certain respects in the syllabus in Hindi at the F.Y.B.A. (Higher level), B.A. (Major) and M.A. Examinations.

(iv) Approved modifications in certain respects the courses in English at B.A. (Major) and M.A. (Principal).

(v) Approved the list of subordinate subjects (i) any Language and Literature other than English, (ii) Linguistics and (iii) Ancient Indian Culture (Archaeology) that can be offered by the students taking English as the Principal subject at M.A.

(vi) Decided to exempt M.A. failed students in History from resubmitting their research reports (Dissertations) and to carry forward their marks if the candidates obtained at least 40% marks thereat and further that they be entitled to earn a class if they are otherwise eligible for it.

(vii) Decided to carry forward marks earned by a candidate in field work of Group B—Paper IV and of Group C—Paper IV at M.A. Examination in Archaeology and Ancient Indian Culture in case of his failure at the University Examination, and further that such carry forward of marks will not affect the eligibility for earning a class at the next appearance if the candidate is otherwise eligible for it.

(viii) Approved the amended (a) syllabus in practicals of Group C Paper II—Principles of Anthropology with special reference to Ethnic History of India and (b) Syllabus of Group C Paper III—Environmental Archaeology at M.A. Examination in Archaeology and Ancient Indian Culture.

(b) *Faculty of Science* :

Drafted the syllabi, scheme of examination etc. for holding the M.Sc. examination in two parts *viz.* (a) M.Sc. (Previous) and (b) M.Sc. (Final). The joint Faculties of Arts, Science and Commerce and the joint Faculties of Science and Technology and Engineering have also

concurred with this scheme for M.Sc. in Mathematics—Statistics—Geography and Geology.

(c) *Faculty of Education and Psychology* :

(i) Amended the minimum qualification for admission to the Professional Diploma in Guidance and Counselling and O. Ed. 9 regarding admission qualifications for B.Ed. examination.

(ii) Modified the syllabi of the Papers I to IV of Part A for the Professional Diploma in Guidance and Counselling.

(iii) Modified the standard for passing the examination of Diploma in Early Childhood Education.

(d) *Faculty of Commerce* :

Decided to continue the system of submitting a report on practical training in the Scheme of Post-graduate Diploma in Banking with the modification that such reports should carry no marks but the teachers concerned should satisfy themselves that the students have undergone the training satisfactorily. It was also decided to raise the marks for Viva-voce from 75 to 100.

(e) *Faculty of Medicine* :

(i) Decided that persons with M.D. (Pathology) or M.D. (Medicine) or M.D. (Pharmacology) may be appointed as teachers in M.D. (Forensic Medicine) in case those with M.D. (Forensic Medicine) are not available.

(ii) Decided to continue the present system of post-examination training and recommended that the temporary registrations be obtained by all Interns.

(iii) Decided to hold the second professional examination at the end of 1½ years after passing the first professional examination and to hold the third professional examination at the end of 3 years after passing the first professional examination provided before appearing at such final examination the candidate has already passed the second professional examination.

(iv) The Faculty at their second meeting held on the 24th March, 1963 observed with satisfaction that most of the salient features outlined in the Council's letter No. MCI-13(3)/62-Med./15271 dated the 11th February, 1963 are already in vogue under

the present Post-Examination Training system here. Hence the proposals made by the Council are acceptable in principle.

(f) Faculty of Technology and Engineering :

(i) Approved syllabi, scheme of examination, Ordinances, A.T.K.T. provisions, standard of passing, exemptions, etc. for the First Year of five year degree courses in CMETeTt and Chemical Engineering.

(ii) Revised the existing scheme and syllabus in the subject of Geology for M.E. Part I examination in Highway Engineering, Advanced Irrigation and Hydraulics and Soil Mechanics.

(iii) Made a provision to introduce the subject of Atomic and Modern Physics in the scheme of M.E. (Electrical) Part I examination and approved syllabus therefor.

(iv) Revised the standard of passing for Part I, Part II and Part III, examinations of all post-graduate courses in Engineering, by abolishing a pass class at M.E. Examination and recommended to discontinue progressively the existing exemptions provision laid down at the said examinations.

(v) Revised the duration of practical examination in Electrical Engineering IV at B.E. (Electrical) Examination.

(vi) Modified the scheme of examination for Applied Electronics II at B. E. (Elec.) Examination.

(vii) Discontinued from the academic year 1963-64 the terminal examination for all the courses under the Faculty of Technology and Engineering.

(viii) Made a provision to offer " Russian " also as an additional Optional Foreign Language at the M. E. Examination.

(ix) Amended (i) O. TE 175 (ii) O. TE 183 regarding standard of passing the final year diploma examinations in (i) Textile Chemistry and (ii) Textile Technology respectively.

(ix) Made a provision that from June, 1964 the minimum qualification for admission to the First Year Degree course in Architecture be the passing of the Preparatory Science Examination of this University with at least 45% marks in the aggregate or an examination recognised as equivalent thereto.

(g) *Faculty of Fine Arts* :

(i) Modified Rule No. 5 of the Faculty Test and University examination.

(ii) Made a provision for alternative courses in Lower Level Hindi and in Additional English for the benefit of those students who have not studied Hindi at all and those who are weak in Hindi.

(iii) Modified the present admission qualifications for the certificate courses in the Faculty.

(iv) Made a provision that the students in Degree and Diploma courses be allowed to take their Preparatory, First Year specialisation and second year specialisation examinations for not more than three trials each ; which should be taken within the next five trials including the first one.

(v) Modified the scheme of students' work record, tutorial tests, college annual examinations and University examinations as proposed by the Principal of the College of Indian Music, Dance and Dramatics.

(vi) Made a provision that the students who appeared in the examination of the College of Indian Music, Dance and Dramatics under the Grade & Credit Scheme of examination be considered eligible to claim exemption in the subject(s) in which they have passed and that the period of such exemption be limited to three consecutive years.

(vii) No simultaneous admission be given to degree students in the College of Indian Music, Dance and Dramatics from July, 1963 admissions.

(h) Faculty of Home Science :

(i) Revised the scheme of courses in Home Science Management and introduced a new scheme for the courses in General Home Science for B.Sc. (Home.)

(ii) Amended O.H.S. 7 providing selection by the B.Sc. (Home) students entering the seventh semester of either one particular major area or a General Home Science Course for their first degree examination.

(iii) O.H.S. 9 relating to passing standard for B.Sc. (Home), O.H.S. 11 relating to the last date of joining the M.Sc. (Home)

and O.H.S. 18 relating to passing standard for M.Sc. (Home) are also amended.

(iv) Amended the syllabi in (i) Home Management, (ii) Home Science Education and Extension, (iii) Child Development courses of B.Sc. (Home) Science.

(v) Amended the syllabi of various semesters of (i) Foods and Nutrition, (ii) Home Management, (iii) Clothing and Textile, (iv) Home Science Education, (v) Child Development courses of M.Sc. (Home) Science.

(i) Faculty of Social Work:

(i) Approved the curriculum and reading list for the (academic year 1963-65).

(ii) Introduced the Block Field work placement for Senior students in the last term.

(j) Faculty of Law:

(i) Holders of B.Sc. (Home Science) and B.Pharm. degrees be considered eligible for admission to First LL.B. Class in the Faculty of Law.

(ii) Revised the syllabi of papers III and V of Second LL.B.

(k) Joint Faculties of Arts and Commerce:

Decided to exempt M.A. failed students in Political Science from re-submitting their research reports (Dissertations) and to carry forward their marks if the candidates obtained at least 40% marks thereat, and further that they be entitled to earn a class if they are otherwise eligible for it.

(l) Joint Faculties of Arts, Science and Commerce:

(i) Approved the syllabi, scheme of examination, etc. for holding the M.Sc. Examination in two parts *viz.* (a) M.Sc. (Previous) and (b) M.Sc. (Final) and also further approved the recommendation that the M.A. as well as M.Sc. examinations in Geography be also held in parts as above.

(ii) Approved the syllabi and the scheme of examination etc. for a Diploma course in Statistics for B.A., B.Sc. and B.Com. pass students.

(m) Joint meetings of the Faculties of Science and Technology and Engineering:

Approved the scheme of examination, syllabi, etc. for holding M.Sc. examination in Geology in two parts.

3 Board of Studies

S. No.	*Name of the Board*	*Date/s of the meeting/s*
(i)	Sanskrit, Pali and Ardha-magadhi Languages and Literature	4-9-1962
(ii)	Persian, Urdu and other Asian Languages and Literature	1-9-1962
(iii)	Hindi Language and Literature	5-10-1962
(iv)	Gujarati Language and Literature	7-9-1962
(v)	Marathi Language and Literature	5-9-1962
(vi)	English Language and Literature	8-9-1962
(vii)	Sociology	8-9-1962
(viii)	History, Archaeology and Ancient Indian Culture	3-10-1962
(ix)	Philosophy	1-9-1962
(x)	Linguistics	10-9-1962
(xi)	Library Science	3-9-1962
(xii)	Law	6-10-1962
(xiii)	Physics and Meteorology	25-9-1962
(xiv)	Chemistry	3-10-1962 and 12-1-1963
(xv)	Botany	4-10-1962 and 15-12-1962
(xvi)	Zoology	6-10-1962 and 12-12-1962
(xvii)	Biochemistry	28-9-1962 and 15-12-1962
(xviii)	Education	1-10-1962
(xix)	Psychology	1-10-1962
(xx)	Banking and Business Finance	22-9-1962

S. No.	Name of the Board	Date/s of the meeting/s
(xxi)	Accounts	11-10-1962
(xxii)	Commerce including Business Administration	25-9-1962
(xxiii)	Anatomy and Physiology	8-9-1962
(xxiv)	Pharmacology and Pathology	15-9-1962
(xxv)	Medicine, Surgery, Midwifery etc.	20-10-1962
(xxvi)	Technology (Textile)	9-10-1962 and 25-10-1962
(xxvii)	Engineering	9-10-1962
(xxviii)	Painting, Sculpture and Applied Arts	24-9-1962
(xxix)	Architecture	25-9-1962
(xxx)	Music, Dance and Dramatics	1-10-1962
(xxxi)	Museology	—
(xxxii)	Home Science	29-9-1962
(xxxiii)	Social Work	21-8-1962
(xxxiv)	Mathematics	24-9-1962
(xxxv)	Statistics and Actuarial Science	21-9-1962
(xxxvi)	Geography	1-10-1962 and 26-1-1963
(xxxvii)	Economics	29-9-1962
(xxxviii)	Politics and Administration	10-9-1962
(xxxix)	Geology	6-10-1962
(xxxx)	Joint Boards of Studies in Engineering and Technology (Textile)	9-10-1962

The items of business at the meetings of the Boards consisted of drawing up of panels of examiners, consideration of reports of examiners, revision of syllabi, prescription of text-books for various courses, etc. Important recommendations made by some of the Boards have been included in the recommendations of the Faculties mentioned in the preceding paragraphs.

4 Academic Committee

The Committee met once during the year on the 10th December, 1962 and recommended as under :

(i) For admissions to the Preparatory Science courses and to the Degree/Diploma courses in the Faculty of Technology and Engineering the minimum qualification for being eligible for admission is a pass at the S.S.C. Examination of Gujarat State with subjects of (i) English, (ii) Physics and Chemistry and (iii) Algebra and Geometry or such other examinations (with these subjects) which is considered equivalent thereto.

(ii) Admissions to the M.Sc. (Home) course can be thrown open to all the holders of the following Bachelor's Degrees for the major fields of M.Sc. (Home) as shown against each of them :

(a) B.A. with Sociology or Psychology as major or Special subject—Child Development

(b) B.Ed.—Child Development or Education Extension

(c) B.Sc. with Chemistry or Bio-chemistry as Principal subject—Foods and Nutrition

5. General Academic Matters

(i) It is decided to consider the holders of a higher second class B.Sc. degree in certain subjects eligible for admission to the I. M.B.,B.S. course in the Faculty of Medicine.

(ii) During the period of national emergency, it is decided to consider the period of service on any of the posts in the Armed Forces Medical services towards the period of internship training required for the conferment of the degrees of M.B.,B.S. examination of this University.

CHAPTER VI—OTHER BOARDS AND COMMITTEES

General

The work done by some of the other Boards and Committees during the year is given below :

1. University Board of Sports

Four meetings of the Board of Sports were held during the year. The Board approved selection of teams in Cricket, Tennis, Hockey, Football, Volleyball, Basket Ball, Badminton, Table Tennis, Athletics, Swimming and Diving, Wrestling, Boxing, etc. to be sent to participate in the Inter-University Tournaments. Coaches were appointed to train University Cricket, Hockey (Women) and Kho-Kho (Men and Women) teams. The organisation and conduction of the Inter University Cricket Tournaments (West Zone) was entrusted to this University. Necessary preparations were made for the same, but as the participating Universities did not come forward because of National Emergency, the same was cancelled. The Board also referred the question of giving Blazers to the students who represented the University in the Inter-University Tournament to a Committee.

2. Student's Welfare Board

The Board met once during the year on the 17th September, 1962. The Board noted with satisfaction the action taken by the University on the recommendations made by the Board at its previous meeting. The Pro-Vice-Chancellor informed the members of the Board about the various actions taken by the University for the Welfare of the students. The starting of the Day Students Home at the Faculty of Technology and Engineering and the University Health Centre were the important events regarding the student welfare work.

3. Publication Board

The Publication Board met once during the year on the 8th August, 1962. The Board considered and recommended to the Syndicate the publication of the following works by the University :

Sr. No.	*Title*
(i)	गुरुजी
(ii)	Chhakammuvaeso

Sr. No.	*Title*
(iii)	Sabdabhedaprakas—a Kosa with the commentary of Jnanavimala-Upadhya
(iv)	Denkart
(v)	Mandana–Grantha–Samgraha
(vi)	Samarangana Sutradhara of King Bhoja of Dhara
(vii)	Thesis 'Caste in South Malabar' by Dr. K. R. Unni
(viii)	Manual of the Mathematical ability test for the delta class of Gujarat State
(ix)	Concepts and terms in Educational Administration
(x)	Research Studies—1961-62

4. Board of Extra Mural Studies

The Board met once on the 6th September, 1962 during the year. It reviewed the extra mural activities during the previous year and recommended a programme of Extension lectures by the University teachers and outside experts, educational tours of students and exhibitions to be organised during the year.

Following amounts were sanctioned to the various Faculties and Institutions :

Sr. No.	*Name of the Faculty/Institution*	*Amount*
(i)	Faculty of Arts	1,000
(ii)	Faculty of Science	1,500
(iii)	Faculty of Education and Psychology	900
(iv)	Faculty of Commerce	500
(v)	Faculty of Medicine	500
(vi)	Faculty of Technology and Engineering	1,400
(vii)	Faculty of Law	300
(viii)	Faculty of Fine Arts	500
(ix)	Faculty of Home Science	500
(x)	Faculty of Social Work	300
(xi)	Preparatory Unit	200
(xii)	College of Indian Music, Dance and Dramatics	250
(xiii)	Baroda Sanskrit Mahavidyalaya	300
(xiv)	Lectures for Swami Vivekanand Centenary Celebration	500

5. Advisory Board for the M. S. University Journal

There were two meetings of the Board during the year on the 9th October, 1962 and the 11th February, 1963. The budget for the year 1963-64 was prepared. It recommended that discontinuation of the practice of printing the subscription rate on the cover of the Journals. It also recommended the complimentary copies of the Journals be sent to all Indian Universities and to Foreign Universities on exchange basis.

6. Library Committee

The Committee met once during the year on the 21st August, 1962. It recommended amendment to existing rules regarding the functioning of the Shrimati Hansa Mehta Library and the Library of the Faculty of Technology and Engineering. The allocation of grants of Rs. 90,000/- for the purchase of books on the different subjects was approved.

7. Building and Planning Committee and University Building Committee

A meeting of the University Building and Planning Committee was held on the 24th October, 1962. It recommended the programme of new construction works, ordinary and special repairs to the buildings of the University to be carried out during the next year.

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

The Bureau collects information regarding courses, etc., in the Indian and Foreign Universities and Educational Institutions and furnishes the same to the local as well as out-station students on request. Total number of books in the beginning of the year viz. April, 1962 were 2125. 533 new books were added during the year, and 570 books were transferred to Smt. Hansa Mehta Library. 93 circulars pertaining to the conditions of admissions, scholarships, short and long term courses run by the various Universities, etc., were forwarded to the Colleges and Faculties. The Bureau supplied information pertaining to higher studies in India and Abroad to 462 persons who called at this office personally during the period under report and replied 187 postal queries received from out-station students. The Bureau forwarded during the year eleven applications for admissions in Institutions and Universities in U. K.

9. Standing Committee on Equivalence of Examinations

The Committee met twice during the year on the 16th July, 1962, and on the 2nd March, 1963. It considered the questions on equivalence

of various examinations and cases of eligibility of students referred to it. It recommended recognition of a number of examinations of other Universities and bodies. It also recommended the recognition of the (i) Pre-University Arts, (ii) First Year Arts under three year degree course, (iii) B.A. under three year degree course, (iv) B.Sc. (Home Science) and (v) M.A. examinations of the S.N.D.T. Women's University, Bombay on reciprocal basis. It further recommended that the following examinations of universities mentioned against them be not recognised :

S. No.	*Name of the University*	*Name of the examination not recognised*
1.	Rajasthan	F.Y. B.Sc. under 3-year degree course =Pre-Medical
2.	Punjab (India)	Pre-Medical
3.	Poona	F.E. and S.E. under 3-Year degree course
4.	Magadh	B.V.Sc. and A.H.
5.	Mysore	Pre-Medical

10. Board of Visitors

Meetings of the Boards of Visitors for the Faculties of Medicine and Fine Arts were held during the year. The recommendations and the reports of the meetings were submitted to the Syndicate. Some of the important recommendations made in the meetings of the Boards and approved by the Syndicate are as under :

(a) Faculty of Medicine; The Board met on the 23rd December, 1962. The Board considered the recommendations previously made by it and the extent upto which they were implemented in order that the admission strength to the first M.B.,B.S. course could be increased to 120, there should be proportionate increase in the staff, equipment, beds, etc. Further a corresponding increase is also necessary for giving proper instruction in the Clinical subjects. The vacant posts of professors and lecturers and librarian be filled up as early as possible.

(b) Faculty of Fine Arts: The Board met on the 19th March, 1963 and recommended that (i) a committee be appointed to consider and make recommendations for organising the department of Art History and (ii) the proposal for creating a separate Board of Studies for Applied Arts be referred to the Faculty of Fine Arts.

11. Committee to Select Wardens

The Committee met once during the year on the 23rd February, 1963 and recommended that Dr. A. S. Patel, Reader in Psychology be appointed Warden of T. K. Gajjar Hall of the University vice Shri K. S. Yajnik.

12 Wardens' Committee

There were in all four meetings of the Wardens' Committee held during the year on the 10th August, 8th October, 29th November, 1962, and the 20th February, 1963. The allocation of seats for men and women students in Halls of Residence were made. The budget for the year 1963-64 and the revised budget for the year 1962-63 were prepared. Information Cards about students staying in the Halls were introduced. It recommended that the Baroda District Co-operative Milk Producers' Union be allowed to erect a Cabin and to supply cold and pasteurised milk to the students.

13. Advisory Committee for the Halls of Residence

The Committee met twice during the year on the 16th September and the 16th December, 1962. The report of the Secretary, Wardens' Committee regarding admissions in the first term of the year was noted.

In the first meeting it recommended the placing of special guards on public roads round the Halls of Residence for Women in the evening and at night. In the Second meeting the Committee recommended that the possibility of having a Consumer's Co-operative Store in the University be explored. It also recommended that the post-graduate women students be given admission in one Hall from the next academic year, if possible.

14. Finance and Establishment Standing Committee

The Committee held nine meetings during the year and considered several items concerning requests for additional establishment, grants, purchase of equipments, approval of plans, estimates and tenders for construction of work and requests from the members of the staff regarding study leave, leave without pay for studies abroad and extension of re-employment periods of employees, etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as Budget Committee on the 19th January, 1963. It submitted to the Syndicate the revised estimates for the year 1962-63 and the estimates for the year 1963-64 after scrutinising various

proposals received from the Faculties, Institutions and Offices of the University.

15. Investment Committee

The Committee held eight meetings during the year. The recommendations of the Committee concerning the investment, etc. of the University funds were submitted to and approved by the Syndicate.

16. The Committee for the General Education and Preparatory Courses in Arts, Science and Commerce

The Committee met twice during the year on the 7th April, 1962, and the 18th March, 1963. In the first meeting the Committee recommended the revised syllabi for Social Studies and Physics. It also appointed different committees for the purpose of deciding admissions to the Preparatory Courses. A Committee consisting of the Deans of the Faculties of Arts, Science and Commerce and the Head, Preparatory Unit was also appointed to co-ordinate and decide general policy and questions about admission. The Committee also laid down the procedure to be adopted in the matter of admissions. In the second meeting the Committee recommended that for Paper I—English Language and Literature, the system of dividing classes into smaller groups of 50 students each be continued and that instead of restricting such grouping to the students of Preparatory Arts courses only, small groups may be made of such of the students of the Preparatory Arts, Science and Commerce classes as need special drill-work in English. The modification of the syllabi in Social Studies and Indian History and Culture was also recommended for approval. It also recommended that the preparation of the reading material for the General Education courses with the University Grants Commission's grant of Rs. 2,500/- be approved.

17. Selection Committees

During the period from the 1st April, 1962 to the 31st March, 1963, there were 16 meetings of the Selection Committees appointed under section 48 (2) of the Act and they recommended 19 candidates for appointment to the posts of Professors and Readers. There were also 55 meetings of the Selection Committees for Junior Posts and 7 meetings of the Selection Committees for Class III posts. 111 and 9 candidates respectively were recommended by these Committees for appointment to different posts in the University.

18. Shri Sayaji Sahityamala Publication Committee

The Committee met once during the year on the 10th August, 1962 and recommended the following books for publication under Shri Sayaji Sahityamala :

(i)	आधुनिक गुजरातना संतो	by Shri K. A. Thakkar
(ii)	भवाईना वेषनी वार्ताओ	by Shri B. B. Mehta
(iii)	कुदरती रीते वधु आरोग्य	by Shri S. P. Purohit
(iv)	वैष्णव तीर्थ डाकोर	by Dr. M. R. Majmundar
(v)	पेट्रोलीअम	by Shri P. R. Shah

The Committee also permitted Shri Shivprasad Rajgor to publish the second edition of the Book गुजरात एक दर्शन.

19. Press Supervisory Committee

There were eight meetings of the Committee held during the year. It considered the monthly reports of the Manager regarding the work of the Press, Stationery Unit and Publication Sales Unit and also Printing programme and made recommendations regarding purchase of paper, stationery, equipments etc.

The Manager was given powers to employ persons on daily wages on the posts of pagi, watchman etc.

20. Special Committee for Sheth U.P.A.R. Unit

The meeting of the Committee was held on the 23rd December, 1962. It recommended the continuation of the O.P.D. Unit for a further period not only for selecting material for research but for extending facilities for public relief.

21. N.C.C.—Senior Division Advisory Committee

The Committee met thrice during the year, on the 4th April, 1962. the 5th November, 1962 and the 2nd February, 1963. At the first meeting of the Committee the work done by the N.C.C. Units during the previous year was reviewed. The amenities grant to the different units of the University was discussed, and it was decided that the same be distributed to different units according to the strength of the cadets and Officers. The second meeting was called on the 5th November, 1962 where some prominent citizens of Baroda were invited. The position regarding facilities for imparting additional training to the students of the University in view of the China Aggression was reviewed. It was decided at the

meeting that the different N.C.C. Units should be fully strengthened by filling up the vacancies in the sanctioned strength of the cadets and teacher officers. It was also decided to increase the number of hours of training. The Third and the most important meeting was held on the 2nd February, 1963 to consider the letter dated the 4th January, 1963 from Shri Y. B Chavan, the Defence Minister of India. The Committee decided that the N.C.C./N.C.C.R. be made compulsory for all men students enrolled in the University in the following courses :

(i) Preparatory Arts, Science and Commerce
(ii) F.Y. and S.Y.B.A., B.Sc., and B.Com.
(iii) Pre-Medical
(iv) Three Years of D.C.E., D.M.E., D.E.E , D.T.C. and First three years of D.T.T.
(v) F.E., S.E., F.Y.B.Arch., S.Y.B.Arch. and T.Y.B.Arch.
(vi) First year of the M.B.,B.S. in Medical College
(vii) T.D. and Dip. in Co-operation
(viii) F.Y., S.Y., and T.Y. of B.A. (Fine), B.Mus./and Diplomas in Painting, Sculpture and Applied Arts.

It was decided that the N.C.C./N.C.C,R. training be made progressively compulsory in the first two years only from the academic year 1963-64 for all category of men students mentioned above. From the academic session 1964-65, N.C.C./N.C.C.R. training would be compulsory for the men students of all the classes mentioned above. However it was decided that the N.C.C./N.C.C.R. training be made compulsory for first year M.B.,B.S. students from 1963-64.

22. Deans' Meeting

The meeting of the Deans of Faculties and Heads of Institutions was held twice during the year on the 8th August, 1962 and the 17th January, 1963. At the meeting held on the 8th August, 1962 the Committee recommended the celebration of the 5th September, 1962 as Teachers' Day in the University. In the second meeting a new and revised identity card for the student was approved.

23. University Health Centre

The meeting of the Committee was held twice during the year on the 21st April and the 24th November, 1962. The Committee laid down the duties of the (1) Medical Officer, (2) Lady Doctor, (3) Nurse and (4) Compounder.

24. Students' Aid Fund Committee

During the year the Committee met only once on the 24th September, 1962. It recommended the application of students of various Faculties and Institutions of the University for financial assistance from the Students' Aid Fund and made awards totalling Rs. 18,483/- as grant and Rs. 500/- as loan, for tuition fees, examination fees, books, etc.

25. Planning Forum

The University Planning Forum celebrated the National Plan Week from the 25th August to the 3rd September, 1962, which was inaugurated by Shri S. K. Dey, Union Minister for Community Development and Cooperation. The other programmes arranged during the week were Inter-Faculty students' debate, symposium on Planning, Educational trip to a Community Development Block, Students' Essay Competition, Extension lectures in Local High Schools, Plan Exhibition, Film Shows etc. Both the teachers and students from various Faculties participated in the celebrations.

Second State Level Conference of University Planning Forums was held under the auspices of this University in the Home Science Faculty from the 14th to the 16th October, 1962 and it was inaugurated and addressed by Dr. Jivraj N. Mehta, Chief Minister of Gujarat State. The teachers and students from all the three Universities in the Gujarat State participated in the Conference and discussions on various topics were held during the period.

Name of the Department and Teacher	*Subject of Research*
Drama :	
Professor C. C. Mehta	Bibliography of Drama.
Sanskrit Mahavidyalaya	
(a) Shri H. C. Mehta	(i) Kavya Mimansa of Rajshekhar with translation, introduction and critical notes in Gujarati.
	(ii) Critical study of Jagannath.
(b) Shri L. J. Zha	Jyotish Tatwa Ancient work on Astrology with a commentary in Sanskrit.
(c) Shri S. V. Bhattbhatt	Arthasangraha of Laugaksh Bhaskar with commentary and introduction.

CHAPTER VIII—FACULTY OF ARTS

1. Brief History

The Baroda College, founded in 1881, is the oldest Educational Institution of higher learning in Baroda. It had earlier, two sections, Arts and Science, and for nearly half a century, it was the only institution providing higher education in the former Baroda State. It was affiliated to the Bombay University. It was transferred to the Maharaja Sayajirao University of Baroda on the 30th April, 1949. The Arts Section was constituted into the Faculty of Arts, while the Science Section became the Faculty of Science.

2. Buildings

The Arts Faculty is housed in the East Wing and a part of the West Wing of the former Baroda College building. The Departments of Economics and Agricultural Economics are located on the top floor of the Social Sociences Block which also houses the Faculty of Commerce. The Department of Archaeology and Ancient History and the department of Sociology have new buildings. After the renovation of the Seminar block, the ground floor has been occupied by the Department of Gujarati and the first floor by the Department of Political Science. During the course of the year under report no new additions have been made to the buildings. Two rooms on the first floor of the West Wing of the building are being used for the office of the Preparatory Unit and, ever since the establishment of the Faculty of Law from June, 1961, two more rooms have been given to the Faculty of Law for the use of their office.

3. Courses of Studies

There was provision for the following courses during the year:

(1)	B.A., M.A.,-Ph.D	English, Gujarati, Marathi, Hindi, Sanskrit, Sociology, History, Philosophy, Economics, Political Science, Psychology, Archaeology and Ancient Indian History, Ancient Indian Culture
(2)	B.A. and M.A.	Persian, Statistics, Geography, Mathematics
(3)	M.A. (Sub.)	Linguistics

(4)	B.A. (Sub.) and M.A. (Sub.)	Pali, Urdu
(5)	B.A. (Sub.)	Law, Education
(6)	Post-graduate Diploma	Library Science
(7)	Diploma	German Language
(8)	Certificate	German Language

The course leading to Diploma in German language was introduced in the Faculty from June, 1962.

4. Number of Students

The number of students enrolled in the various classes at the commencement of the year 1962-63 was as under :

Class	*Men*	*Women*	*Total*
Certificate in German Language	158	14	172
Diploma in German Language	4	3	7
F.Y.B.A.	196	160	356
S.Y.B.A.	190	121	311
T.Y.B.A.	184	108	292
Diploma in Library Science	10	4	14
Junior M.A.	67	27	94
Senior M.A.	57	25	82
Ph D.	21	—	21

5. Staff

On the very eve of the opening of the first term, the Faculty lost one of its distinguished Professors, Professor B. Subbarao, Head of the Department of Archaeology and Ancient History. The staff of the Faculty consisted of 8 Professors, 17 Readers, 47 Lecturers, 11 Tutors, 2 Part-time teachers, one Curator, one Excavation Assistant, 18 Class III (including Technicians) and 20 Class IV employees. The teachers of the Faculty also carried out assignments in other Faculties and Institutions where Humanities and Social Sciences are included in the courses.

6. Library

The Libraries of the Departments and that of the Faculty are now amalgamated with the Shrimati Hansa Mehta Library and the students of the Faculty make use of that Library.

7. Museum, Laboratory, Studios, Workshops, etc.

The excavations at Devnimori, Taluka Bhiloda, District Sabarkantha, were continued from the beginning of December, 1962. This year from the centre of the Stupa at Devnimori, an inscribed Schist Relic Casket containing the Relics of Dashabala was obtained. This was a significant discovery as it would help to solve a number of problems about the site.

Eight Buddha images were also obtained from the centre of the Stupa, at a height of about 4 feet from ground level. Another uninscribed Casket was also found in the Stupa. Another Vihara was also discovered and a number of ancient bunds were explored. These bunds seem to be the remains of ancient ponds.

Dr. G. J. Wainwright, Professor of Environmental Archaeology and Dr. S. C. Malik, Reader in Anthropology, explored the Narmada between Maheshwar and Hoshangabad.

The following is the statement of the cost of equipment :

Sr. No.	*Item*	*Cost of equipment as on 1-4-1962*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 31-3-1963*
1.	Museum	4,533=98	—	—	4,533=98
2.	Studio	13,809=96	—	—	13,809=96
3.	Excavation equipment	1,184=35	—	—	1,184=35
4.	Drawing equipment	1,806=75	—	—	1,806=75
5.	Deadstock	48,473=95	—	2,236=29	50,710=24
6.	U. G. C. (NR) equipment	77,834=57	—	—	77,834=57
		1,47,643=56		2,236=29	1,49,879=85

8. Publications by the members of the staff

The following were the publications by the members of the staff of the Faculty during the year 1962-63 :

(1) Articles or Papers :

Name	*Title*	*Name of the Journal wherein published*
1 Dr. M. B. Desai and Shri R. S. Mehta	(i) Co-operative Farming-a misunderstood concept (Gujarati)	Gram Jivan Souvenir, May, 1962

Name	*Title*	*Name of the Journal wherein published*
	(ii) Indian Agricultural Development and Foreign Aid	'United Asia', August, 1962
	(iii) Pattern of Agricultural Organisation	'Khadi Gramodyog,' October, 1962 (Annual Number)
	(iv) Mechanisation of Agriculture in India	Industrial and Engineering Journal, Annual Number-May, 1962
2 Shri R. S. Mehta	(i) Co-operation and Agricultural Development	Gram Jivan Souvenir, May, 1962
	(ii) Possibilities of Co-operative Development in Gujarat	Gram Swaraj, July-August-September, 1962
	(iii) Memorandum on Co-operative Farming	Co-operative Farming Development Advisory Committee, Government of Gujarat, September, 1962
3 Professor I. S. Gulati	(i) Capital Gains Tax in India	The Economic Weekly, Annual Number, 1963
	(ii) Meeting the Extra Cost	The Seminar, January, 1963
	(iii) The Super Profits Tax	The Economic Weekly, March, 1963
	(iv) The Problem of Taxation	The Seminar, March, 1963
4 Dr. J. C. Sandesara	Financial position of Small Industries in the Western Region	Journal of the Indian Merchants Chamber, June, 1962
5 Shri Rajendra Kumar	Operations of International Monetary Fund	The Bankers Magazine, London, December, 1962
6 Professor A. H. Somjee	(i) Groups and Individuals in the Politics of an Indian Village	Asian Survey, June, 1962 (California University Press)
	(ii) Forms and Levels of Political Activity in Indian Villages	Political Studies, February, 1963 (Oxford University Press)

Name	*Title*	*Name of the Journal wherein published*
7 Shri A. P. Rana	(i) "Social Cosmology"—An Appreciation	Journal of the M. S. University of Baroda (Social Sciences), Vol. XI, No. 2, July, 1962
	(ii) Review—The U. N. By Dag Hammarskjold	Journal of the M. S. University of Baroda (Social Sciences), Vol. XI, No. 2, July, 1962
8 Sarvashri T. N. Sheth and R. F. Kothari	Extent and Limits of Community Voting: The case of Baroda East	Economic Weekly, September, 1962
9 Dr. N. R. Sheth	(i) India in the Machine Age	Economic Weekly, November, 1962
	(ii) Informal Bonds of Factory Workers	Economic Weekly, February, 1963
10 Dr. T. N. Valunjkar	Group differences in the perception of village needs	Economic Weekly, October, 1962
11 Dr. T. N. Valunjkar, Smt. Kamla Choudhry and K. A. Gidwani	Leader Behaviour in Elected and Non-Elected Groups	Human Organization, Cornell University, Ithaca, New York, Vol. 21, No. 1 Spring, 1962
12 Dr. A. G. Javadekar	(i) Creativity and Casuality	Darshanika, April, 1962
	(ii) Reality of the World in Sankara Vedanta	M. S. University Journal, July, 1962
13 Kumari S. H. Divetia	Review of Gandhiji's 'My Non-Violence,' "Gandhiji–A last phase," (Pyarelal)	M. S. University Journal (Social Sciences), July, 1962,
14 Professor V. Y. Kantak	(i) Tagore's Views on Poetry and Art	M. S. University Journal, Humanities Number, April, 1962
	(ii) The Structure of a Frost Poem	The Literary Criterion, Winter, 1962

Name	*Title*	*Name of the Journal wherein published*
15 Shri E. L. Rodrigues	(i) Towards an Understanding of E.M. Forester	M. S. University Journal, Humanities Number, April, 1962
	(ii) Hills Like White Elephants ; an analysis	The Literary Criterion, Winter, 1962
16 Shri M. G. Krishnamurthy	Ben Jonson	M. S. University Journal, April, 1962
17 Dr. Y. J. Tripathi	Rama Katha—by Jagjivan	Report of the fourth Conference of Research Workers held in Ahmedabad
18 Dr. S. H. Joshi	(i) Govardhanram — Best book of the year	Forum service, London, January, 1963
	(ii) Navalkatha Vishe	'Kshitij'—February, 1963
19 Shri N. C. Desai	(i) Kavi Kalidasni Kritio	'Pustakalaya' April, 1962
	(ii) Manilalni Sahityaseva	'Pustakalaya' May, 1962
	(iii) Masta Kavi Kant	'Pustakalaya' January, 1963
20 Shri M. M. Desai	Kalyanikano Shraddhadip	A. K. Khabaradar Smarak Granth
21 Dr. A. N. Jani	Yagnavalkya Aur Simavivad	'Gnan-bharati' Vol. IV, No. 4, February, 1963
22 Dr. S. G. Kantawala	(i) The Capital : Its lay-out According to the Matsyapurana	Journal of the M. S. University, Vol. XI, No. 1, April, 1962
	(ii) The Matsyapurana on Naimisaranya (in Gujarati)	Navabharati, July, 1962
	(iii) Geographical and Ethnic Data in the Matsyapurana	Purana Bulletin, January, 1963
23 Dr. R. N. Mehta	(i) Placenames of Baroda	M. S. University Journal, April, 1962
	(ii) 'Sarasavani—A Ksatrapa site'	Journal of Oriental Institute, Baroda Vol. XII, No. 1, September, 1962

Name	*Title*	*Name of the Journal wherein published*
	(iii) Antiquities from Dasaratha Taluka—District Baroda	Journal of the Gujarat Research Society, Ahmedabad, January, 1963
	(iv) Bandas of Orissa	Journal of Indian Textile History, Ahmedabad
	(v) An Inscription from the step-well at Khadoli	Chunilal Gandhi Vidyabhavan Journal, Surat
	(vi) Maroli-Na-Sthala-Namo	Chunilal Gandhi Vidyabhavan Journal, Surat
24 Dr. S. C. Malik	(i) Summary of Concepts in the Racial Classification of India,	Journal of the Anthropological Survey of India, July, 1962
	(ii) A note on Epistemology and Archaeological Theory	Current Anthropology, Chicago, January, 1963
25 Shri K. T. M. Hegde	(i) Northern-Black-Polished ware	M. S. University Journal, 1962
	(ii) 'Atlas from Shamalaji'	Journal of Oriental Institute, Baroda, December, 1962
26 Shri Y. A. Raikar	(i) Shri Chakradhara	Journal of Oriental Institute, Baroda, December, 1962
	(ii) 'A Medieval Saint of Gujarat'	Journal of the Gujarat Research Society, Ahmedabad, January, 1963
27 Shri A. J. Patel	(i) Domestic Utencils of Gujarat	M. S. University Journal, April, 1962
	(ii) Potter's techniques through Ages in Gujarat	Gujarat Research Society, Ahmedabad's Journal, January, 1963
28 Shri B. Suryavanshi	Interpretations of some of the symbols of punchmarked coins	Journal of the Oriental Institute, Baroda, December, 1962
29 Dr. R. N. Mehta and Dr. S. N. Chowdhary	A preliminary report on the excavations at Devnimori, 1962-63	Journal of Oriental Institute, Baroda, December, 1962

(2) *Books*:

Name	*Title*	*Name of the Publisher*
1 Dr. M. B. Desai and Shri V. M. Rao	Survey of Drink Habit and Socio-economic conditions in Vidarbha and Marathawada	Government of Maharashtra, May, 1962
2 Professor I. S. Gulati	The Undivided Hindu Family —A study of its Tax Privileges	Asia Publishing House, Bombay
3 Dr. S. C. Misra and Shri M. L. Rehman	Critical Edition of the *Mirat-i-Sikandiri* of Sikandar bin Manjhu	The M. S. University of Baroda
4 Dr. S. C. Misra	The Rise of Muslim Power in Gujarat	Asia Publishing House, Bombay
5 Shri R. Krishnamurti	Religious Policy of Akbar	The M. S. University of Baroda
6 Dr. V. K. Chavda	Apani Sanskriti (in Gujarati)	Acharya Book Depot, Baroda
7 Professor C. P. Singh	Bhuj (Kutch) ki Vrajbhasha Pathshala	The M. S. University of Baroda, March, 1963
8 Dr. S. H. Joshi	Gujarati Kavitano Asvad	Chetan Prakashan Grih, Baroda
9 Dr. B. J. Sandesara and Dr. S. D. Parekh	Yashodhirkruta Panchakhyana Balavabodha-Prathama Tantra	The M. S. University of Baroda
10 Archaeology Department	Lecture delivered by Professor F. E. Zeuner under the Maharaja Sayajirao Memorial Lectures Scheme	The M. S. University of Baroda

9. Literary, Cultural and Other Activities

Many members of the staff contributed articles on academic and popular themes and did reviews of important books in outstanding journals, delivered public lectures, gave radio talks and were associated with academic, literary and cultural activities in the Faculty, in the city and outside Baroda. Many members of the staff were deputed to attend Annual Conferences at which they read papers. Three members of the staff worked as N.C.C. Officers. In the field of elocution, the students of

this Faculty participated in debates and won a number of trophies. Considerable progress was made in the field of games too. Table Tennis, Carrom and Badminton tournaments were arranged this year.

10. Co-curricular Activities

(1) Tours :

A tour of the students of Gujarati Department was arranged to Dabka on the 16th September, 1962 and the students of the Sanskrit Department went to Vyasesvar on that day. Shri R. S. Mehta led a team of the Third Year B. A. students of the Faculty of Arts to Rasulabad Co-operative Farming Society in October, 1962. The students and the staff of the Department of Political Science went to Dabka and Vasad for an excursion.

(2) Faculty Annual Day :

On account of the National Emergency the Faculty could not celebrate its Annual Day, and contributed the money saved to the National Defence Fund.

(3) Debates :

Dr. A. G. Javadekar acted as the Convener of the Speaker's Club. Guidance was given to the students by Dr. Javadekar regarding their debates. Students represented the Faculty at various University Union Debates as well as those conducted by other Universities.

The Department of Agricultural Economics helped the Faculty in organising the debates on (i) Co-operative Movement and (ii) Panchayat Raj on the 25th and the 28th August, 1962 respectively, sponsored by the Ministry of Community Development, Government of India.

An Inter-Faculty Essay Competition on 'Panchayati Raj' and on 'Co-operation' was organised in September, 1962 on behalf of the Ministry of Community Development, Co-operation and Panchayati Raj, Government of India.

(4) Societies :

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

(a) English Literary Society, (b) Shakespeare Society, (c) History Association, (d) Marathi Literaray Society, (e) Gujarati Sahitya Mandal, (f) U.N.O. Society, (g) Sanskrit Literary Society, (h) Political Science

Society, (i) Economics Association, (j) Philosophy Society, (k) Hindi Sahitya Samiti, (l) The Speaker's Club, (m) German Language Society.

Each of these carried out its own programme of Symposia and Seminars where papers were read by the students and discussions were held with both the students and the teachers participating in them.

The Shakespeare Society staged Eugene O'Neill's "Mourning Becomes Electra" and George Bernard Shaw's "You Never Can Tell" respectively on the 2nd and the 4th, and on the 3rd and 5th February, 1963.

The German Language Society arranged an exhibition of Modern German Paintings with the co-operation of the Faculty of Fine Arts. This exhibition was accompanied by various lectures and film-shows to make a German Cultural Week. The German Language Society met once in a week on an average, for film-shows of both documentary and feature films, programme of classical and modern German music, discussion evenings in German Language, lectures by various personalities from Baroda and Germany, and social gatherings.

(5) Celebrations :

Important National days were observed and anniversaries of men of letters in Hindi Literature were also celebrated by arranging lectures befitting the occasion.

'Tulsi Jayanti Saptah' was observed at Nyay Mandir in which a week-long programme was arranged under the Presidentship of Professor C. P. Singh, Head of the Hindi Department.

(6) Planning Forum :

As usual, the Faculty observed the National Plan Week and organised a debate, an essay competition, and a symposium on planning in this connection. Shri J. N. Sharma, Lecturer in Economics organized various programmes in connection with the Planning Forum Week. Shri R. S. Mehta, Research Officer (C.D.P.), participated in the group discussion of the State Level Planning Forum Conference and helped the Chairman in drafting the group report.

(7) Journal Publication :

Dr. M. B. Desai, Professor and Head of the Department of Agricultural Economics, worked as Editor of the M. S. University Journal—

Social Science Number and brought out an issue, in July, 1962. He also worked as the member on the Editorial Board of the Indian Journal of Agricultural Economics of the Indian Society of Agricultural Economics. He has also been serving as Member, Executive Committee of the Indian Journal of Agricultural Economics, Bombay.

12. Other Important Events

(1) A Prize of Rs. 1,000/—was awarded by the Government of Gujarat for the book 'Puravastuvidya' by Dr. R. N. Mehta of the Department of Archaeology and Ancient History. He was appointed on the Board of Historical Records and Ancient Monuments of the Gujarat State.

(2) Many distinguished visotors came to the Faculty during the year, gave lectures and held discussions with teachers and students.

(3) Dr. George W. Westcott of the Economic Research Service in Washington, United States Department of Agriculture and Dr. S. C. Gupta of the American Embassy, New Delhi, visited the Department of Agricultural Economics on the 23rd February, 1963. Dr. Westcott talked to the students of M.A., and M.Com. classes in the afternoon on Agricultural Policy of the United States.

(4) Dr. W. F. Wertheim of the Amsterdam University while on a visit to Baroda had detailed discussions with Dr. M. B. Desai and Shri R. S. Mehta on Socio-Economic questions of rural areas, specially with reference to the Surat district where two of his research students, Messrs. I. Breman and C. Baks are actively engaged in field work. A visit to a village in Surat was organised and Dr. M. B. Desai and Shri R. S. Mehta accompanied them to the village. The Dutch research students receive guidance in their work from both Dr. Desai and Shri R. S. Mehta.

(5) In the Department of Economics there were many visitors who delivered talks or initiated Seminar discussions. Some of the more important names are given here below:

Sr. No.	*Name*	*Date*	*Topic*
1	M. Bronfenbreneur, Professor of Economics, University of Minnesota	July, 1962	Japanese Planning Experience
2	W. Arthur Smithes, Professor of Economics, Harvard University	1-12-1962	Balance of Payments Problem

S.No.	*Name*	*Date*	*Topic*
3	David Wortman, Director, Research Bureau of Taxation, Iowa State, U.S.A.	19-1-1963 2-2-1963	Federal-State Financial Relationships in the U.S.A.
4	Milton Friedman, Professor of Economics, Chicago University	18-2-1963	The Relative Stability of the Velocity of Money and Investment Multiplier
5	P. R. Brahmananda, Professor of Monetary Economics, University of Bombay	16-3-1963	Production of Commodities by Means of Commodities

(6) In the Department of History the following lectures were delivered:

Sr.No.	*Name*	*Date*	*Topic*
1	Shri Dhirubhai Desai, District and Sessions Judge, Baroda	25-8-1962	Part played by lawyer in the National Freedom Movement
2	Professor Wertheim, Professor of Modern History and Sociology, University of Amsterdam	18-2-1963	Role of Corruption in South-East Asian Politics

(7) Dr. S. C. Misra, Head of the Department of History, returned from Oxford after completing one year of Research on Indian History at that University as British Council Scholar, at the end of September, 1962.

(8) Mr. R. Krishnamurti, Lecturer in History returned from the United States in July, 1962, after completing his terms as Fulbright Scholar in the Yale University, specialising in American History.

(9) Professor A. H. Somjee, Head, Department of Political Science, returned after about a year at the London School of Economics where he delivered lectures and gave seminars and lectures. During his stay in Europe he was invited to read papers at the Universities of Liverpool, Durham, Edinburgh and Paris.

(10) The Department of English organized a one-week Seminar on "The Place of Literature in the teaching of the English Language" in collaboration with the British Council. British Council Professor Bryn Davies participated in the Seminar. The Seminar was attended by a number of teachers from the neighbouring institutions delegated for the purpose.

(11) The following two distinguished visitors delivered lectures in the Department of German :

(i) Professor J. Pieper, University of Muenster, Germany. Two lectures in September, 1962.

(ii) Consul K. Muench, German Consulate-General, Bombay. One lecture in February, 1963.

(12) Dr. Nagendra, Dr. Bhagirath Misra, Acharya Nandadulare Bajpai, Professor Jagannath Prasad Sharma and Shri Jayendra Kumar delivered talks in the Department of Hindi.

(13) Professor Dr. Norman Brown, Chairman, South Asia Regional Studies, University of Pennsylvania, Philadelphia, U.S A. visited the Sanskrit Department and gave an inspiring talk on 'The Methodology of Sanskrit Studies' on the 4th February, 1963.

(14) The Sanskrit Department in association with Professor Bhawe Satkar Samiti organized a well attended function on February 26th, 1963 to bid farewell to Dr. Bhawe on his retirement.

(15) Mrs. A. I. Kochetkuva who came to this University under the Indo-U.S.S.R. Cultural Programme taught Russian Language to the students in the second term of the year.

(16) The theses of 8 students of this Faculty—four in Sociology and one each in Political Science, Gujarati, Hindi and Sanskrit—were accepted during the year for the award of the Ph.D. degree.

(17) Staff and students of this Faculty contributed generously towards the National Defence Fund.

CHAPTER IX—FACULTY OF SCIENCE

1. Brief History

The old Baroda College established in 1881, had a Science section with departments of Physics, Chemistry and Biology. When the University was started on the 30th April, 1949, the Baroda College was taken over by the University which organized by 1950, the Science Section into the present Faculty of Science. The Departments of Physics and Chemistry were strengthened and in place of the department of Biology, the departments of Botany and Zoology were started. The department of Mathematics and newly started departments of Statistics and Geography were transferred from the Arts Faculty to the Science Faculty. The department of Geology was started in 1952 and is located in the Faculty of Technology and Engineering. The department of Bio-chemistry was added in June, 1955. The Faculty of Science now consists of the departments of Bio-chemistry, Botany, Chemistry, Geography, Mathematics, Physics, Statistics and Zoology, the Department of Geology being located in the Faculty of Technology and Engineering.

2. Building

The Faculty of Science is accommodated in its main building known as the Sayaji Jubilee Science Institute Building which was completed in 1937, the new building built in 1960 and the Square Block near it. There is a small separate building for the Central Workshop of the Faculty and there are small buildings for a Vivarium for the Zoology Department, gas-plants etc.

3. Courses of Studies

There is provision for teaching the following courses :

(1)	B.Sc., M.Sc., and Ph.D.	: Botany, Chemistry, Geography, Mathematics, Geology, Physics, Statistics and Zoology
(2)	M.Sc., and Ph.D.	: Bio-chemistry
(3)	Pre-Medical	: One Year's course after Preparatory Science

The new B.Sc. course started in June 1957, is an integrated three-year course, after Preparatory Science Course, during which a student

studies one principal subject and two subsidiary subjects, out of the subjects : Botany, Chemistry, Economics, Geography, Geology, Mathematics, Physics, Statistics, and Zoology. The M.Sc. course is of two years after B.Sc. and it is only by papers and or dissertation but not by research. The course for Ph.D. degree is, by research only, of two years duration after M.Sc.

4. Number of Students

The Number of students on roll in the various classes in the year 1962-63 was as under :

Class	*Men*	*Women*	*Total*
Pre-medical	85	18	103
B.Sc. I	153	40	193
B.Sc. II	111	26	137
B.Sc. III	97	23	120
Jr. M.Sc.	110	13	123
Sr. M.Sc.	100	14	114
Ph.D.	26	4	30
	682	138	820

5. Teaching and Other Staff

Department	*Professor*	*Reader*	*Lecturer*	*Demon. or Tutors*	*Clerks or Technicians*	*Class IV Servants*	*Total.*
Bio-chemistry	1	1	4	2	4	4	16
Botany	1	1	5	7	6	4	24
Chemistry	1	3	6	13	14	10	47
Geography	—	1	5	3	4	2	15
Mathematics	1	1	7	3	—	1	13
Physics	1	2	5	12	6	7	33
Statistics	1	1	5	3	2	2	14
Zoology	1	1	4	8	7	4	25
Observatory	—	—	—	—	3	2	5
Workshop	—	—	—	—	8	1	9
Faculty office	—	—	—	—	9	8	17
Total :	7	11	41	51	63	45	218

Dr. D. M. Munshi of the St. Xavier College, Bombay, continued to give during the year a course of lectures on Entomology to M. Sc. students.

The teachers of the Faculty carried out teaching assignments in other Faculties and Institutions of the University, where science subjects are included in their courses e. g. Preparatory Unit, Faculty of Arts, Faculty of Commerce, Faculty of Home Science, Faculty of Technology and Engineering. They also delivered lectures under the General Education Programme of the University.

6. Library

There is no separate library or reading-room for the Faculty of Science, as the University Library—Shrimati Hansa Mehta Library—is situated just near the building of the Faculty of Science. Some departments, however, maintain small departmental libraries with books loaned from the University Library.

The amounts spent during the year for science books, periodicals, etc., were : (i) Rs. 10,000/- from Science Faculty Books Budget, (ii) Rs. 30,000/- from the U. G. C. grant to the University for books on scientific subjects and (iii) Rs. 1,000/- for binding from Science Faculty Budget.

7. Museums, Laboratories and Workshop

The Museums of the Botany, Geography, Geology and Zoology Departments were enriched by the addition or specimens and other articles. Good progress was made in the work of preparing a good herbarium in the Botany Department.

The Central Workshop, which has an adequate and competent staff, did very useful work during the year of preparation of research and other apparatus, repairing of instruments and apparatus, of training Physics post-graduate students in Workshop practice etc.

Substantial additions of Scientific apparatus and equipment were made during the year to the laboratories of the Faculty. The following table gives the cost of equipment in the different laboratories added during the year 1962-63 and the total cost as on 31-3-1963.

Laboratory	*Cost of equipment as on 1-4-1962*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 31-3-1963*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Bio-chemistry	2,01,431	—	1,02,625	3,04,056
Botany	2,91,656	2,808	34,839	3,23,687
Chemistry	3,75,048	—	26,125	4,01,173
Geography	1,55,278	—	11,314	1,66,592
Physics (including workshop)	4,21,637	—	36,264	4,57,901
Statistics	85,228	—	4,593	89,821
Zoology	2,21,908	—	21,882	2,43,790
	17,52,186	2,808	2,37,642	19,87,020

8. Publications of the members of the staff and students

(a) Research Papers:

S. No.	*Author*	*Title*	*Name of Journal wherein published*
1	C. V. Ramkrishnan	(i) Alternate pathways of Carbohydrate metabolism in Micro-organism	Proc. Summer School, in Biochemistry, 1962
		(ii) Studies on normal, neoplastic, newborn and regenerating rat liver tissues cultivated *in Vitro*	Proc. of Inter Cancer Cong., Moscow, 1962
2	P. N. Raina and C. V. Ramkrishnan	Citric Acid metabolism in A. Niger	Pro. of Int. Cong. of Microbiology, Montreal, 1962
3	V. K. Shah and C. V. Ramkrishnan	Diphophopyridine Nudeotide contents of isolated roots and shoots of germinating corn following immersions in precusoe solutions	Proc. of Int. Symp. on plant tissue and organ culture, New Delhi, 1963
4	A. R. Chavan & P. N. Trivedi	Seed Germination in some weeds	Indian Forester, Vol. 88, No. 6, June, 1962
5	A. R. Chavan, S. D. Sabnis and S. J. Bedi	(i) *Indigofera angulose* Edgew. A New Record for Erstwhile Bombay State	Indian Forester, Vol. 88, Nov. 1962
		(ii) On the identity of *Delechampia indica* from Kutch and Kathiawar	Jour. Bom. Nat. His. Soc. 1962
6	A. R. Chavan & S. J. Bedi	*Consocora decussats*–A New Record for Bombay State	Jour. Bom. Nat. His. Soc. 1962

S. No.	*Author*	*Title*	*Name of Journal wherein published*
7	A. R. Chavan, C. S. Shah and V. M. Sukhawala	(i) Pharmacognostic study of Merremia imarginate Hallier and comparison with Contella asiatics Linn	C. S. I. R. 21 c., No. 1. 1962
		(ii) Pharmacognostic study of Smilax china L. Rhizom	,, ,,
8	A. R. Chavan, S. J. Bedi and S. D. Sabnis	Observations on some abnormal pinnae of Cycas	M. S. Univ. Jour., Vol. XI, No. 3, 1962
9	A. R. Chavan & S. N. Padate	The Hydrophytes of Savli Taluka	,, ,,
10	A. R. Chavan & G. M. Oza	Contribution to the Flora of Gujarat	,, ,,
11	M. V. Shah	Synthesis of some Bichromonyls, Biflavonyls and 7-Methoxy-8-Phenyle 2-Methylchromone and Flavone	Current Science, 1962, *31*, 57
12	J. S. Dave and A. R. Patel	(i) Res-n-Butyrophenone Oxime as a Reagent for the Estimation of Copper	J. Sc. and Ind. Res., 1962, *4*, 194.
		(ii) Res-n-Butyrophenone Oxime as a Reagent for the Determination of Nickel	Current Science, 1962, *31*, 148
13	M. V. Shah and Suresh Sethna	Chromones and Flavones, Part IV. Chloromethylation of some Chromones and Flavones	Jour. Indian Chem. Soc., 1962, *39*, 507
14	M. G. Patel and Suresh Sethna	(i) Studies on 6-Hydroxy-coumarin	Jour. Indian Chem. Soc., 1962, *39*, 511
		(ii) Application of the Mannich Reaction to some Coumarin Derivatives.	Jour. Indian Chem. Soc., 1962, *39*, 596
15	K. N. Trivedi	Thermal condensation of phenols with substituted malonic esters-Synthesis of 3-substituted-4-hydroxy coumarins	Journal of Scientific and Industrial Research, 1962, *21B* 402
16	C. M. Mehta and J. M. Trivedi	Sulphomethylation of Acetoacet Arylamides	Current Science, '63 32, 17
17	C. M. Mehta and P. L. Parimoo	Isonitrose Derivatives of Malonmono Arylamides using Nitrosyl Chloride as a Nitrosating agent	Current Science, '63 32, 66

S. No.	Author	Title	Name of Journal wherein published
18	Smt. V. A. Jaanki and Shri. M. C. Ghia	The Tributary area of Baroda	M. S. University Journal, Nov. 1962. Vol. XI, No. 3
19	B. S. Yadav	(i) On a theorem of Titch-marsh	Publications de l' Institut Mathematique, Nouvelle serie, tome 2(16) (1963), pp. 87-92
		(ii) A test for the almost everywhere convergence of Fourier series, Abstracts	Indian Math. Soc. Conf., December, 1962
20	N. S. Pandya and A. P. Balasubramanian	Inclined dislocations in Zinc Crystals	Current Science, May 1962
21	R. V. Joshi	Ultra violet and visible thermal glows of KCl(Tl) Phosphors	Proc. Phy. Soc., Vol. 79, 1962
22	M. M. Patel	Emission spectrum of Bismuth Bromide	Proc. of Ind. Acad. of Sc. Vol. 56, Sec. A (1962)
23	S. K. Shah	(i) Energy levels of 19	Physics Letters, Vol. 1-26 pp (1962)
		(ii) Separable non-local interaction in nuclei	Nuclear Physics, 33 1962, pp. 529
24	S. K. Shah and S. P. Pandya	(i) A study of effective nuclear interaction in finite nuclei	Nuclear Physics, Vol. 38-420. (1962)
		(ii) Binding energy of hyper nuclei I.	Progress of Theo. Phys. Vol. 27-837 (1962)
25	Indira V. Bhanot and C. G. Khatri	Life tables for the city of Baroda based on 1951 census records	Journal of M. S. Uni. of Baroda (Science) Vol. XI, 1962, pp. 47-60
26	B. K. Shah	Distribution of Definite and Indefinite Quadratic Forms from a Non-Central Normal Distribution	Annals of Math. Stat. Vol. 34 (1) 1963, pp. 186-190
27	M. S. Patel	(i) Partially Duplicated Fractional Designs	Technometrics Vol. 5 (1) 1963, pp. 71-84
		(ii) On constructing the Fractional Replicate of the 2^n Designs with Blocks	Annals of Math. Stat. Vol. 33(4) 1962, pp. 1440-1449

S. No.	Author	Title	Name of Journal wherein published
28	*C. G. Khatri	(i) A characterization of the Inverse Gaussian Distribution	Annals of Math. Stat. Vol. 33 (1962), pp. 800-803
		(ii) Conditions for Wishartness Independence of Second Polynomials of Normal vector	Annals of Math. Stat. Vol. 33 (1962), pp. 1002-1007
		(iii) A method for Estimating Approximately the Parameters of a certain class of Distributions from Grouped observations	Annals of Inst. of Stat. Maths., Vol. XIV (1), 1962, pp. 57-62
29	Indira Bhanot and R. C. Patel	Report on Wastage and Stagnation (Second part)	Published by M. S. University of Baroda 1962
30	J. C. George and C. L. Talesara	(i) Histochemical demonstration of certain DPM linked dehydrogenases and of aldolase in the red and white fibres of pigeon breast muscle	Quart. J. Micros. Sci. 103, 1, 41-46
		(ii) Histochemical demonstration of certain oxidizing enzymes in the pectoralis major muscle of the Rosy Paster (Pastor Roseus), Goose (Anser Albifrons) and fowl (Gallus demesticus)	J. Anim. Morph. Physiol. Vol. 9, 1. 50-58
		(iii) Lipase activity of the particulate fractions of the pigeon breast muscle and its significance in the metabolism of the muscle	*J. Cell. Comp. Physiol.* Vol. 60, 11, 33-40
31	R. V. Shah	A comparative study of the respiratory muscles in chelonia.	*Breviora Museum of Comparative Zoology*
32	J. C. George and Iype P. Thomas	(i) Lipase activity in the chick liver during development	Proc. Soc. Exp. Biol., 109, pp. 826-828
		(ii) Certain biochemical properties of the heart muscle lipase	*J. Anim. Morph. Physiol.* Vol. 9, 1. 50-58
		(iii) Lipase activity of Pigeon heart muscle particulate fractions and its metabolic significance	*Amer. Jour. Physiol.*, 204, 1, 165-167

* Work done at M. S. University of Baroda as Senior U. G. C. Scholar.

S. No.	Author	Title	Name of Journal wherein published
33	J. C. George	A histophysiological study of the red and white muscles of the mackerel	*Amer. Midland. Natur* 68, 2, 487-494
34	Bhakthan N. M. G.	A histochemical study of certain enzymes in the thoracic muscles of the beetle (Heliocopris Bucephalus Fabr).	*J. Anim. Morph. Physiol.*, IX, 2, 143-151

9. Library, Cultural and Other Activities

Activities of Teachers :

(a) Professor A. R. Chavan of the Botany Department participated in the Symposium on Smoking and gave a talk on Historical and Botanical Aspects of Tobacco; (b) Dr. J. M. Lohar of the Chemistry Department who got the post-doctoral fellowships proceeded to U.S.A. to work under Professor M. J. S. Dewar; (c) Shri K. N. Trivedi of the Chemistry Department got the Ph.D. Degree on the thesis titled "Studies in Benzo-a-Pyrones"; (d) Smt. V. A. Janaki of the Geography Department was deputed to the Summer School in Geography at Simla; (e) Professor N. S. Pandya of the Physics Department gave lecture on Space Travel (Gujarati) in Science Club, Baroda and Atomic Energy (Gujarati) in Vignan Mela; (f) Dr. M. M. Patel of the Physics Department gave a lecture on the application of Spectroscopy in the Department of Museology; (g) Shri V. R. Mathrubhuteshwaran of the Physics Department gave lecture on the Thermal Expansion of Mgo by X-ray powder method in Ind. Phy. Soc, Gujarat Branch, Ahmedabad; (h) Shri A. G. Phatak of the Statistics Department attended the summer course in Advanced Statistics, organized by the Indian Statistical Institute and University Grants Commission at Bangalore for five weeks. (i) Shri B. K. Shah of the Statistics Department went to Purdue University, U.S.A. to do research work there with Professor Santi Gupta. (j) Smt. Indira Bhanot of the Statistics Department went to Iowa State University, Ames, U.S.A. and did research work with Professor H. G. Hartley. (k) Professor J. C. George of the Zoology Department presided over the Physiology Section of 2nd All India Congress of Zoology held at Varanasi. (l) Professor N. S. Pandya of the Physics Department worked during the year as President of the M. S. University Union. (m) Shri L. K. Gaekwad of the Botany Department attended the course of lectures in Paleaobotany at Lucknow

in October-November, 1962. (n) Professor A. R. Chavan and Shri S. D. Sabnis of the Botany Department attended a course of lectures at the Birbal Sahani Institute of Paleaobotany at Lucknow in February, 1963.

The following teachers were deputed to the Conferences during the year :

Sr. No.	Name	Place and Dates of Conference
1	Prof. C. V. Ramakrishnan	1 Summer School in Bio-chemistry in Srinagar, May, 1962 2 International Cancer Congress, Moscow, July, 1962 President of the Section "Microbial Enzymes" 3 International Congress of Microbiology, Montreal, September, 1962
2	Shri S. D. Sabnis	Summer School in Botany at Kodaikannal in June, 1962
3	Professor N. S. Pandya	Symposium on Lattice Defects and Lattice Dynamics at the National Physical Laboratory, New Delhi, October, 1962
4	Dr. J. R. Pandya and Shri V. R. Mathrubhuteshwaran	Winter School on advanced method in crystallography, University of Madras, January, 1963
5	Shri S. K. Shah	Low Energy Nuclear Physics, Symposium under the auspices of atomic energy establishment, Tata Institute of Fundamental Research, February, 1963, Bombay
6	Professor J. C. George	The International Seminar on Physiology of Reproduction sponsored jointly by the Indian Society for the study of Reproduction, Indian Council of Medical Research and Family Planning Association of India

10. Co-curricular Activities

(1) *Societies* : The societies in the Faculty formed according to the subjects of studies, arranged a number of lectures, discussions, seminars, symposia, etc. during the year.

(2) *Study tours* : Senior students of Botany, Geology and Zoology went with their teachers on several study tours to make field studies and collect materials for their museums.

(3) *Film Shows* : Film shows were arranged to supplement classroom teaching and promote general knowledge. A good number of films

on scientific and technical subjects were shown in the departments of Bio-chemistry, Botany, Chemistry and Geography.

11. Tests and Class Work

The scheme of holding periodical tests and assigning for them 30% of the marks at final University examination, introduced in B. Sc. and Pre-Medical classes, is now a regular feature which has been quite successful. For each subject, tests with at least one test paper per term and terminal test with double the weight of one test were held both in theory and practicals for each of the B. Sc. classes and the Pre-Medical class. Assessment of the answers was done by the teachers teaching the subject. The scheme worked satisfactorily. Records of marks were maintained and were submitted to the University at the end of the year.

12. Important Events

(1) The Faculty of Science Students' Association donated Rs. 1500 towards National Defence Fund during the year 1962-63.

(2) Two more Research Training Scholarships of the Government of India are added to the eleven Research Training Scholarships in the Faculty. One is for research in Zoology Department and the other in Physics Department.

(3) One University Grants Commission Research Scholarship is awarded for research in Mathematics Department.

(4) Two post-graduate scholarships each in Chemistry and Physics are awarded by the Atomic Energy establishment of Government of India.

(5) The thesis of six students—one in Botany, two in Chemistry and three in Bio-chemistry were accepted for the award of the Ph D. degree during the year 1962-63.

CHAPTER X—FACULTY OF EDUCATION AND PSYCHOLOGY

1. Brief History

This institution was started in 1935 as a Secondary Teachers' Training College by the Ex-Baroda Government and was located in a few rooms of the Baroda College Building. The College provided courses leading to Diploma in Education for graduate teachers and to the Junior Teachers' Certificate for matriculate teachers. It was affiliated to the University of Bombay for the B.T. degree in 1938 and the Diploma in Teaching in 1940, and was provided with an independent building.

A high school was also attached to it. The University of Baroda assumed charge of the College in 1949, and courses leading to the M.Ed. degree were started during the same year. During 1950 the College was re-organised into the Faculty of Education and Psychology and the teaching of Psychology in the University was assigned to the Faculty. The Faculty organised courses in Psychology leading to the B.A. (Special) degree in 1952, M.A. degree in 1954. Three post-graduate diploma courses were started later: Guidance and Counselling in 1958, and Educational Administration and Applied Linguistics in 1959. The Faculty also paid attention to the training of pre-primary teachers, and started the Diploma in Early Childhood Education for undergraduate teachers in 1961. Advanced studies leading to the Ph.D. degree in Education by research was provided in the institution from 1947 onwards and to the Ph.D. degree in Psychology by research from 1952. The Guidance and Counselling Centre for University Students was attached to the Faculty in October, 1959.

2. Building

During the year under report the Faculty continued to be housed in the same building on the west of the Baroda College area. The existing accommodation is, however, insufficient because of the expansion of post-graduate studies and research.

3. Courses of Studies

There is provision for the following courses:

(1)	B.A., M.A. and Ph. D.:	Psychology
(2)	B.Ed., M.Ed. and Ph. D.:	Education and Educational Administration

(3) Post-graduate Diplomas: (i) Educational Administration
(ii) Guidance and Counselling
(iii) Applied Linguistics

(4) Undergraduate Diplomas: (i) Teaching
(ii) Early Childhood Education

Teachers of the Faculty also carried out teaching assignments in other Faculties and Institutions, where Psychology and Education are included in their courses.

4. Number of Students

The number of students enrolled in the various courses at the commencement of the year 1962-63 was as follows:

Class	*Men*	*Women*	*Total*
A. Undergraduate Diploma :			
(i) T.D.	22	11	33
(ii) Diploma in Early Childhood Education	—	2	2
Total:	22	13	35
B. Degree :			
(i) B.Ed.	76	28	104
(ii) S.Y.B.A. (Psychology)	8	17	25
(iii) T.Y.B.A. (Psychology)	5	18	23
Total:	89	63	152
C. Post-graduate Diploma :			
(i) Jr. Dip. in Gui. & Coun.	6	1	7
(ii) Sr. Dip in App. Coun.	1	—	1
(iii) Jr. Dip. in App. Ling.	—	—	—
(iv) Sr. Dip. in App. Ling.	2	2	4
(v) Jr. Dip. in Edu. Adm.	5	—	5
(vi) Sr. Dip. in Edu. Adm.	6	—	6
Total:	20	3	23
D. Post-graduate Degree :			
(i) M.Ed. (Thesis)	—	—	—
(ii) Jr. M.Ed. (By papers and Dissertations)	15	5	20
(iii) Sr. M.Ed.	15	3	18
(iv) Jr. M.A. (Psychology)	1	5	6
(v) Sr. M.A. (Psychology)	3	1	4
Total:	34	14	48
E. Ph.D. :	5	1	6
Grand Total:	170	94	264

5. Staff

During the year, the staff of the Faculty consisted of three professors, six readers, fifteen lecturers, one part-time lecturer, two tutors and one demonstrator, and ten Class III and eight Class IV servants. In addition to the above, a co-ordinator was in charge of the Department of Extension Services, financed by the Directorate of Extension Programmes in Secondary Education. The University Guidance and Counselling Centre is attached to the Faculty. It is manned by one Counsellor, one Psychologist, one technical assistant, one research assistant, one clerk and one attendant.

This Faculty is in collaboration with universities outside India. One such is the University of Frankfurt which has agreed to take one of the staff members of this Faculty for advanced studies and research. Shri P. K. Dongre is selected for the same.

6. Library

The Faculty library was amalgamated with the Shrimati Hansa Mehta Library and the students make use of that Library. The Faculty also maintains small departmental Libraries, which need considerable strengthening. The Reading Room which is retained, provides facilities for general reading.

7. Museum, Laboratory, etc.:

(1) Museum :

The Faculty Museum contains a large collection of teaching aids for illustrating class-room teaching. During 1962-63, about 125 projects were added. These were prepared by students under the guidance of the members of the staff. According to the present practice every student under training prepares a set of illustrative aids for teaching a selected topic or a series of topics. Selected projects were added to the Faculty Museum.

Sr. No.	*Item*	*Cost of equipment etc. as on 1-4-1962*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 31-3-1963*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1	Museum	12,111=28	750=00	1,021=51	12,382=79
2	Teaching Aids	750=00	250=00	300=00	800=00

(2) The Psychology Laboratory :

The laboratory is equipped with a rich collection of instruments required for psychological experiments. A special section of the laboratory deals with mental tests and includes a good deal of modern material required for testing intelligence, aptitude, achievements and personality. With the financial assistance of the University Grants Commission, new additions were made to the apparatus of the laboratories during the year.

The cost of equipment of the laboratory is given below :

Item	*Cost of equipment as on 1-4-1962*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 31-3-1963*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Laboratory	52,388=18	—	1,783=51	54,171=69

(3) Audio-Visual Programme :

The Faculty conducts a course in Audio-Visual Education as an integral part of its teacher-education programme. The course is conducted at two levels *viz.* B.Ed. and T.D., as a compulsory subject. All the B.Ed. and T.D. students are trained in the operation and maintenance of the movie projector, filmstrip projector, episcope, tape recorder, etc. Moreover an intensive course in the preparation and use of Audio-Visual aids is conducted for those B.Ed. and T.D. students, who offer Audio-Visual Education as a field of specialization. In co-operation of the Extension Department, seminars and refresher courses in Audio-Visual Education are also conducted for inservice teachers.

The cost of the articles for Audio-Visual Aids is given below :

	Cost of equipment as on 1-4-1962	*Cost of equipment etc. written off during the year*	*Cost of equipment etc. added during the year*	*Cost of equipment as on 31-3-1963*
	Rs.	*Rs.*	*Rs.*	*Rs.*
Audio-Visual Aids	10,868=09	118=00	1,148=16	11,898=25

8. Publications

The publications are of three types—books, brochures, articles and

papers. These were published from time to time in University or other research Journals of academic importance.

The following were the main publications of the members of the staff during the year 1962-63 :

S. No.	*Name*	*Title*	*Name of the publisher with month of publication*
	(A) Books :		
1	Dr. S. N. Mukerji	Administration of Education in India	Acharya Book Depot, Baroda, November 1962
2	Dr. D. M. Desai	Elements of Education and School Organisation (Gujarati)	A. R. Sheth & Co., Bombay, November 1962
	(B) Brochures :		
1	Dr. D. M. Desai	Measurement and Evaluation in the Secondary School (Gujarati)	A. R. Sheth & Co., Bombay, July 1962
	(C) Articles/Papers :		
1	Dr. S. N. Mukerji	Recent Trends in the Construction of School Buildings	Journal of the Association of Principals of Technical Institutions in India, May 1962
2	Dr. M. S. Patel	(i) The Structural Syllabus at Work in India	English Language Teaching, London, April-June 1962
		(ii) The Revised English Syllabus for Gujarat	Nootan Shikshan, Surat, October 1962
3	Prof. L. J. Bhatt	(i) Psychological Implications of Incentives	Journal of Gujarat Research Society, (Vol. XXIV, No 1/93)
		(ii) Research needs for guidance	Journal of Education and Psychology (Vol. XX, No. 1)
		(iii) Incentives and the working class	Psychological studies, Mysore University (Vol. VIII, No. 2)

S. No.	Name	Title	Name of the publisher with month of publication
		(iv) A study of functions of Supervisory staff and characteristics essential for success as viewed by a group of supervisors	Manas—Delhi, January 1963
		(v) Work study and the Psychologists	Education and Psychology Review (Vol. III, No. 1), January 1963
		(vi) Social Development of the child	Hand-Book of child study, (NCERT—Government of India)
4	Dr. (Kumari) P. Pasricha	(i) The Problem Child	University Symposia Series 14
		(ii) A Plea for Students' Counselling	Journal of University Education, Vol. I, No. 2, December 1962
			The Experimental H.S., Baroda
5	Dr. (Smt.) P. Pathak	Some thoughts on classroom evaluation	The Orissa Education Magazine, Vol. 5, No. 1, August 1962
6	Dr. D. M. Desai	(१) शैक्षणिक मूल्यांकननी नवी दृष्टि (A Series of five articles)	नूतन शिक्षण, सुरत, जुलाइ, '६२ मार्च, १९६३
		(२) सारा निबंध प्रश्नोनी रचना	सारस्वत, सुरत, फेब्रुआरी, १९६३
		(३) शैक्षणिक निष्कर्ष (A Series of three articles)	नूतन शिक्षण, सुरत जुलाइ, ऑगष्ट, १९६२, जान्युआरी, १९६३
7	Dr. S. N. Divekar	Educational Message of the Upanishads	Education and Psychology Review, Fac. of Edu. & Psy., Baroda, October, 1962

S. No.	Name	Title	Name of the publisher with month of publication
8	Shri I. J. Das	Education in the Netherlands	Education & Psychology Review, Vol. II, October 1962
9	Shri G. B. Shah	(i) The teaching of General Sciences	Teaching, Oxford University Press, Bombay, March, 1963
		(ii) Mathematics in Education Today	–do– June, 1962
		(iii) Psycho-Pedagogical Basis of the Project Method	Education & Psychology Review, Fac. of Edu. & Psy., Baroda, April, 1962
		(iv) National Integration and Our Linguistic Problems	–do– January, 1963
		(v) સામાન્ય વિજ્ઞાનના પ્રશ્નપત્ર પર એક દૃષ્ટિ	નૂતન શિક્ષણ, સુરત, ડિસેમ્બર, ૧૯૬૨
		(vi) રાષ્ટ્રિય એકતા અને આપણો ભાષાનો પ્રશ્ન	નૂતન શિક્ષણ, સુરત, માર્ચ, ૧૯૬૩
		(vii) સામાન્ય વિજ્ઞાનના શિક્ષકોની કેટલીક મુશ્કેલીઓ	નૂતન શિક્ષણ, સુરત, નવેમ્બર, ૧૯૬૨
		(viii) રમેશને સમજવા માટેની કસોટીઓ	નૂતન શિક્ષણ, સુરત, ઑગસ્ટ, ૧૯૬૨
		(ix) બીજગણિતમાં આટલું કરીએ	શિક્ષણ ભારતી, ए. आर. शेठनी कुं., मुंबइ, १९६२
		(x) શાળાઓમાં નાસ્તાનો પ્રશ્ન	શિક્ષણ ભારતી, ए. आर. शेठनी कुं., मुंबइ, १९६२
		(xi) પ્રોજેક્ટ પદ્ધતિની મનોવૈજ્ઞાનિક અને શૈક્ષણિક ભૂમિકા	શિક્ષણ ભારતી, ए. आर. शेठनी कुं., मुंबइ, १९६२
		(xii) ગણિતશાસ્ત્ર અંગે ફરી વિચારીએ	શિક્ષણ ભારતી, ए. आर. शेठनी कुं., मुंबइ, १९६२
		(xiii) ક્રિયાત્મક સંશોધન :—કેટલીક મૂળભૂત જરૂરિયાતો	નૂતન શિક્ષણ, સુરત, જૂન, ૧૯૬૨
		(xiv) ક્રિયાત્મક સંશોધન :—તમે પણ એ કરી શકો	નૂતન શિક્ષણ, સુરત, જુલાઇ, ૧૯૬૨
		(xv) નિબંધલેખનમાં એક ક્રિયાત્મક સંશોધન	નૂતન શિક્ષણ, સુરત, ઑગસ્ટ, ૧૯૬૨
		(xvi) ક્રિયાત્મક સંશોધનની કેડીએ	નૂતન શિક્ષણ, સુરત, ઑક્ટોબર, ૧૯૬૨

S. No.	Name	Title	Name of the publisher with month of publication
		(xvii) क्रियात्मक संशोधननी केडीए	नूतन शिक्षण, सुरत, जान्युआरी, १९६३
		(xviii) शाळासंचालननी समस्याओ—संशोधन अने सहविचार	सारस्वत, सुरत, १९६२
10	Shri D. B. Desai	(i) समाजविद्यामां बाळकोनी प्रवृत्तिओ अने शिक्षणपद्धति. लेखांक-४	नूतन शिक्षण, एप्रिल, १९६२
		(ii) एकतामां उन्नति—वायु वार्तालाप	सारस्वत, मे, १९६२
		(iii) समाजविद्यामां एकमनुं मूल्यांकन. लेखांक-५	नूतन शिक्षण, जून, १९६२
		(iv) क्रियात्मक संशोधन—केटलीक मूळभूत जरूरियातो. लेखांक-३	नूतन शिक्षण, जून, १९६२
		(v) समाजविद्याना मूंझवता प्रश्नोनो उपाय—क्रियात्मक संशोधन	शिक्षण भारती, जुलाइ, १९६२
		(vi) समाजविद्याना शिक्षणमां केवी प्रवृत्तिओ आपीशुं ? लेखांक-५	शिक्षण भारती, सप्टेम्बर, १९६२
		(vii) समाजविद्यामां नकशाकार्य	शिक्षण भारती, डिसेम्बर, १९६२

The Faculty continues to publish an Educational quarterly entitled 'Education and Psychology Review'. It deals with recent researches in education and psychology.

9. Literary, Cultural and Other Activities

(1) Department of Extension Services :

The Department organized the following work-programmes during the year:

(a) *Summer School of Education* : This was arranged at Rajpipla from the 25th May to the 3rd June, 1962 and was attended by teachers of the neighbouring districts. The delegates discussed topics such as (i) Guidance, (ii) Examination Reform, (iii) Difficult topics in Science, (iv) Basic concepts in Mathematics—Standard X, (v) Revision Units in Social Studies, (vi) Problems of Language Teaching and (vii) Administrative Problems.

(b) *Seminars, Workshops, etc.* : During the year the Department organized three seminars, three workshops, one Vigyan Mela, emergency courses in First Aid, Book-keeping and Food and Nutrition and a programme of Seminar Reading.

(c) *School Visits* : The activity of School Visits was continued by the Department during the year. Five schools in the Baroda are continuing the experiment on 'Integrated approach to Social Studies' under the guidance of the Department. The Department also undertook a number of activities like career talks, talks on educational guidance, case studies of students, etc. in various schools.

(2) *Rural Education* :

This year Waghodia was selected as a centre for the activities of the Rural Education group of students. They undertook Socio-Economics Survey of the town and a project on the 'Cow' with the help of the local students and teachers. The lady students organized a garba party of the women of the Mahila Mandal. The students of Rural Education organized two periods of cultural activities every week in Waghodia.

10. Co-curricular Activities

(1) *Faculty Club* :

The club arranged three cultural programmes, a common 'Social' for students and staff, a debate in Gujarati and in English and a tour for 15 days to Kashmir, Agra, Delhi and Amritsar. It also provided facilities for various games and sports.

(2) *Old Students' Association* :

The Association arranged a Symposium on 'Education and Integration', games, excursions and seminars for old students.

(3) *National Emergency* :

The students gave up all social activities in order to help the cause of National Defence Fund. They donated money as well as blood for this noble cause.

(4) *Gujarati Sahitya Mandal* :

The Mandal organised an exhibition of projects. Teaching aids in Gujarati Method—to give an orientation to the new entrants in the Faculty. A symposium on 'The development of Skills of Reading among the high school children' was also arranged. The Mandal this year introduced a novel feature of writing some good maxims and gems of thought in English and Gujarati on the blackboards in the lobbies of the Faculty. A hand written magazine 'Prerana' was also brought out and displayed in the lobby.

(5) Psychological Association :

The Association organised a number of Lectures, a Seminar and a Symposium on ' Psychology and Law for Social Welfare '.

(6) Audio-Visual Club :

Besides film-shows, the club arranged for the instruction of M.Sc. (Home) students for their courses in A. V. Education. The students prepared bulletin boards, handmade slides and other aids during the year.

(7) Discussion Forum :

The forum was started last year with the object of enabling students to participate in informal and frank discussions regarding their problems of study. Eminent persons were invited this year to initiate discussions on various subjects such as (i) Attitude Scale, (ii) Psychological Methods, etc.

11. Tutorial and Class Work

Tutorial work in the department of psychology is done continuously during the terms. The students reading for the First Year B.A. class are divided into three batches and they meet their teachers once a week. Similarly, the students reading in the Second Year B.A. class come for discussion of difficulties and for reading material individually to teachers. The batches of Second Year B.A. and Third Year B.A. students meet their tutors once a week. Moreover, the students have to take tutorial tests which are assigned, corrected and valued. The F.Y.B.A. students are given individual guidance for their field-work and practical work.

The tutorial system for the B.Ed. and T.D. students worked satisfactorily during the year and proved very helpful to candidates in reaping the benefit of the experience and knowledge of teachers to whom they were attached. They could solve their personal and academic problems through this programme. About twenty tutorials were held during the year. The candidates' work was assessed through periodical tests and interviews. It has been found that the system is working quite successfully.

12. Practice-Teaching

As usual practice-teaching was arranged in the local high school. This year, there was a slight deviation from the usual yearly programme with respect to the off-campus practice-teaching. Instead of sending the

batches to several off-campus centres in the first term, this year they were sent in the second term for about ten days. The centres chosen for the off-campus practice-teaching were: Aliabada, Avidha, Broach, Dabhoi, Kadi, Kapadwanj, Kathor, Miyagam, Ode, Rajpipla, Shuklatirth, Valia, Virsad and Vaso.

13. Field Work

The subject of Education being of a practical and applied nature, the Faculty has introduced field-work in various subjects. It is spread out throughout the year ; and the students do their field-work in connection with their theory courses and special method and special fields. The scheme of field-work is producing very satisfactory results and is integrating practice with theory.

14. Other Important Events

(1) Many distinguished visitors came to the Faculty during the current year.

(2) The theses of four students—One in Education, two in Educational Psychology and one in Psychology—were accepted for the award of the Ph.D. degree.

CHAPTER X-(A) UNIVERSITY EXPERIMENTAL SCHOOL

1. Brief History

The Experimental School was started in the year 1951 with the first two Primary and Secondary classes. During the same year, the Gujarati Section of the Ex-Baroda High School was taken over by the University with its then existing classes VIII to XI. Gradually, after adding the remaining Primary as well as Secondary Classes, the school became a full-fledged High School serving the purpose of a teaching and practising laboratory of the Faculty of Education and Psychology, and also as the Observation Laboratory of the Faculty of Home Science.

2. Building

The School continued to be housed on the ground floor of the Faculty building with all its facilities of class-rooms, laboratory, craft-room, canteen and art studios.

3. Courses of Study

The School continued to follow the prescribed syllabus of the Education Department which is mainly supported by the activity planning. During the year under report, the school carried out the following project-studies :

Sr.No.	*Name of the Topic*	*Subject*	*Class*
(1)	The Burning Boundaries of India and its relation to present national need	Social Studies	VII-IX
(2)	On the life of Swami Vivekanand	Gujarati	IX-X
(3)	मानवे ज्यारे रेखा दोरी	Art	VIII-X
(4)	A life Mural of Village	Science	IX

4. Experiments and Other Activities

(1) Action Research :

The modern trend in education experimentations is often more valid if the teacher himself follows up the research programme relating the work with day-to-day class-room teaching. The school accepted the pattern and conducted the following action research projects during the year :

(i)	Mathematics	The common mistakes in the subjects were diagnosed by the respective subject teacher and the remedial work was done in the light of the diagnosis. The result was quite satisfactory.
(ii)	Languages (Gujarati)	
(iii)	Library	In order to create more reading interest and develop the reading habits of school children a small-scale project on measurement of reading abilities and interest was carried out by the Librarian of the school. The evaluation of the project is also done on the basis of observation and objective test.

(2) Major Projects :

The school followed up the teaching of General Science through the activity method under the guidance of Shri M. M. Amin and the remaining instalment of grant in aid for the same was also received from the Directorate of Extension Service Programme for Secondary Education, New Delhi. The final report of the project is being prepared and will be published separately in due course.

(3) Social Studies Club :

The club planned a discussion about the present Chinese aggression and prepared several maps and charts illustrating the problem. The discussion had a good effect on the minds of the children. The club also planned discussion on Panchayat Raj and the Budget—State and Centre.

(4) Science Club :

The member-students of the Science Club presented their own prepared apparatus, etc. in the science fair organised by the Department of Extension Services, Faculty of Education and Psychology and won the prize. The club organised a debate during the science fair. One student of the school got the third prize in the debate.

5. Road Tour to Saurashtra

A long tour by bus to Saurashtra was undertaken during October, 1962. The students visited various places such as Bhavnagar, Ambla, Palitana, Rajkot, Jamnagar, Aliabada, Dwarka-Okha, Chorwad and Shardagram and had the fortune to listen to a number of dignatories in Saurashtra. The tour project was followed up by a planned project of an entertainment programme consisting of special features of Saurashtra as for example a Ras, Garba, Tippani Dance, etc.

6. Curricular and Co-curricular Activities

(1) Other Examinations :

		Number appeared	*Number passed*
(i)	Shistha Vanchan	42	41
(ii)	Sanskrit (Bharatiya Vidya Bhavan)	46	45
(iii)	U.N. Information Test	28	26
(iv)	General Knowledge Test	104	91
(v)	Elementary Drawing	22	19
(vi)	Intermediate Drawing	8	8
(vii)	Hindi Examination	79	71

(2) Other Achievements :

(i) Children participated in open drawing competitions and got the prizes.

(ii) Three Girl students participated in the Gujarat State Arts and Craft Exhibition organised at Rajkot and won cash prizes.

(iii) Miss Mary Cherian, a student of the Faculty of Home Science presented a small doll show with the help of children who prepared the dolls under her supervision. She also planned a concluding exhibition.

(iv) Students participated in recitation competition organised by Ramkrishna Mandal and got prizes. A group of children have continued to attend the University hobby centre for photography and electronics and two of them got the prizes for the best works during the year.

(v) The school presented a small entertainment programme on the 30th March, 1963, before the parents of the school. The items included were mainly Saurashtra Features *e.g.*, Ras, Duha, Tippani dance etc.

7. Strength of the School

The school had at the close of the year 440 students—Boys 247 and Girls 193.

8. Staff

The school had on its staff 1 Principal, 16 teachers, 3 Class III and 7 Class IV servants.

9. Library

The library has a rich collection of about 11,000 books. The library project was also undertaken to measure the reading ability of children.

10. Activities and Publication of the Staff

(i) Kumari R. M. Tachakra was deputed to attend a nine months' diploma course in the teaching of English at Central Institute of English, Hyderabad.

(ii) Kumari B. C. Bhavsar attended an A.C.C. Teachers' Training Course at Nadiad organised by the N.C.C. Department during October-November, 1962

(iii) Shri S. R. Patel attended seminars on the integrated courses of social studies organised by the Department of Extension Services, Baroda.

(iv) The following articles were published during the year :

(a) शिक्षक-विद्यार्थी संबंधो : नवा अने जूना—नूतन शिक्षण, श्री गौरीभाई भट्ट.
(b) परीक्षासुधार : एक प्रयोग—श्री गौरीभाई भट्ट : नूतन शिक्षण.
(c) विविध वये वाचनरस : एक अवलोकन : कु. इन्दुबेन चोकसी—नूतन शिक्षण.

11. Celebration and other Information

(i) During the year under report, the school celebrated ' Panchayat Din ', ' Physical Education Day ', ' Ganeshotsav ', ' Nirvan Din ' etc.

(ii) About 6 Australian guests visited the school under the auspices of the International Friendship League.

(iii) Dr. S. N. Mukerji inaugurated the Vivekanand Centenary Week and delivered a thought-provoking address to children on the life of Swamiji.

CHAPTER XI—FACULTY OF COMMERCE

1. Brief History

The Maharaja Sayajirao University of Baroda was established in April, 1949. The Pratapsinh College of Commerce and Economics which was started in 1942 became a constituent part of the new University. The courses of study aim at imparting to the students both a broad background of understanding of their social and economic environment and the basic knowledge of the structure of economic and business activity. The Faculty has evolved a working relationship with industry and business. Faculty members work on the governing bodies of the local Productivity Council and Management Association. The Faculty also organises and participates in instructional courses organised by these bodies.

2. Building

The Faculty moved to its new building in June, 1959. It is now housed in the first and second floors of the Social Sciences Block situated on the east side of the Baroda College Campus. We have also constructed extensions in north and east to provide more staff rooms and to house the Department of Co-operation. The extension of the building was inaugurated by Shri S. K. Dey, Union Minister for Community Development and Co-operation on the 25th August, 1962.

3. Courses of Studies

From June 1957, the University introduced the three year degree course of instruction leading to the B.Com. degree. Post-graduate courses provide for a two years' course of instruction leading to the M.Com. degree. There is also one year Post-graduate Diploma course in Banking since 1954-55. In addition the Faculty has been conducting one year Undergraduate Diploma in Co-operation. It has also introduced one year Post-graduate Diploma in Co-operation from the year 1960-61. Post-graduate Research Work for the Ph.D. Degree is conducted in the field of Banking, Business Finance, Commerce, Business Administration, Co-operation and Agricultural Economics. It has also introduced Co-operation as an optional group for two papers at the M.Com. this year. It has introduced an optional group of two papers in Business Administration at the M.Com. and an optional group of three papers in Business Administration at the B.Com.

The students of Diploma in Banking and the under-graduate and post-graduate Diploma in Co-operation have to undergo practical training. Students of Business Administration are required to spend an appropriate period in the study of some problem in industry or business, and submit a dissertation in part-fulfilment of the requirements for this course. The Faculty invites senior business executives on the Boards of Studies and Board of Visitors. Senior business executives are also associated in giving instructions to post-graduate classes.

4. Number of Students

The classwise distribution of students is as under :

Class	*Men*	*Women*	*Total*
Diploma in Co-operation (Under-graduate)	2*	—	2*
F. Y. B. Com.	353	14	367
S. Y. B. Com.	309	8	317
T. Y. B. Com.	362	8	370
Post-graduate Diploma in Banking	9	—	9
Post-graduate Diploma in Co-operation	1	—	1
Junior M. Com.	17	2	19
Senior M. Com.	20	1	21
Ph. D.	2	—	2
Total	1075	33	1108

5. Staff

During the year the staff of the Faculty consisted of 1 Professor, 5 Readers, 11 Lecturers, 4 Part-time Professors, 3 Part-time Lecturers, 6 Class III and 10 Class IV servants. The teaching work in the subject of English, Mercantile Law, Statistics, Mathematics and Local Administration was looked after by the English, Law, Statistics, Mathematics and Political Science Departments respectively. Some teachers of this Faculty were taking classes in the Faculty of Technology and Engineering.

6. Publication by the members of the Staff

(1) *Articles* :

Name of the Teacher	*Subject of Paper of articles*	*Name of the Journal wherein published with month of publication etc.*
Professor B. G. Shah	(i) Reorganisation of Commerce education	Paper submitted at the All-India seminar on Commerce education held at Chandigarh in Oct. 1962

*This excludes 6 students of S.Y. B.Com. who have been permitted to join under-graduate Diploma in Co-operation.

Name of the Teacher	*Subject of Paper of articles*	*Name of the Journal wherein published with month of publication etc.*
	(ii) Co-operation in relation to Plan	Paper submitted at the Second state level conference of University Planning Forum held at Baroda in October, 1962
	(iii) Inter-Bank Agreement on Interest rates on deposits—its limitations	Economic Weekly, 19-1-1963
	(iv) Impact of the Budget on Banks	Economic Weekly, 23-3-1963
	(v) All-India Inter Bank Agreement on minimum rates of interest on advances	Economic Times
Smt. D. P. Pandit	Relevance of non-economic facts to development studies	Economic Weekly, 22-9-1962

(2) *Books* :

Name of the Teacher	*Name of the Book*	*Name of the Publisher with month of publication*
Dr. H. L. Dholakia	An Introduction to Modern Commerce Part I and II	Acharya Book Depot, Baroda, 1963

7. Co-curricular activities :

The students of this Faculty organised the following associations which arranged lectures by outsiders :

(1) Economic Students' Association
(2) Banking Students' Association
(3) Commerce Society
(4) Co-operation Students' Association
(5) Accountancy Students' Association

8. Tutorial and Class Work

One terminal examination and two mid-term tests were held in each paper or subject of the three year degree course and the class record of these was maintained. 30% of the marks in each paper were awarded for this class record.

9. Other Important events

(1) Dr. V.V. Bhatt, Dy. Director of Research Division of Planning and Special Studies, Reserve Bank of India, Bombay delivered three lectures on 'Some Aspects of Economic change and Policy in India' as a Visiting Professor of this Faculty.

(2) The Dena Bank Trophy Debate was held on the 27th September, 1962 under the Chairmanship of Professor B. G. Shah. The subject of the debats was "In the opinion of this house planning has done immense good to the common man in India." Six Commerce Colleges in Gujarat participated in the debate. The trophy was won by this Faculty.

(3) The Faculty participated in various competitions organised by the M. S. University Union. The Faculty won the trophy for Cricket and University Championship in Hockey and Table-Tennis.

(4) The Faculty took part in the debating competition in the subjects of Co-operation and Panchayati Raj organised by the Faculty of Arts on behalf of the Ministry of Community Development and Co-operation, Government of India and won the scroll.

CHAPTER XII—FACULTY OF MEDICINE

(A) MEDICAL COLLEGE

1. Brief History

The scheme of starting a Medical College at Baroda was sanctioned by the former Baroda State Government in the year 1946. A sum of Rs. 40 lacs was set apart for its building and equipment. The College started working from June, 1949. This is a Government College affiliated to the M. S. University, Baroda.

2. Buildings

The College is housed in a spacious modern three-storeyed building, three hundred feet in length and breadth. Each floor has a lecture-hall to accommodate about 140 students. Besides, there is one main lecture-hall with accommodation for four hundred students. The departments of Anatomy and Physiology are placed on the second floor, while Pathology and Pharmacology together with a part of Ayurvedic Research Unit are accommodated on the first floor. The ground floor consists of department of Preventive and Social Medicine, and Paediatrics, Administrative Blocks, Library, Students' Common Rooms and Canteen. In addition to spacious laboratories for each department, well-equipped museums for the Anatomy, Pathology and Preventive and Social Medicine departments also exist. Temporarily, the Public Health laboratory is also accommodated on the ground floor. A separate Animal House, Cold Storage for dead bodies, Post-Mortem Room and Ayurvedic Out-Patient Department and Research Sections are in the associated blocks near the Main College Building.

Allied Shree Sayaji General Hospital where clinical instruction is imparted, was the State Hospital of the former Baroda State and has been named after the most illustrious ruler, Sir Sayajirao Gaekwad.

At this Hospital, there are four Medical, four Surgical, three Obstetrics and Gynaecology Unit, one Paediatrics, one Dental, one Ophthalmic and one X-Ray Unit, besides a Skin/V.D., E.N.T., Orthopaedics and Anaesthesis Unit where the students are posted in the Clinical Terms. It has a total bed strength of 442 beds sanctioned. Average in-patients is 640.0 and O.P.D. 1092.0 for the year 1962-63.

The campus has several attractive buildings viz. the Medical College, the Main Hospital Wards, the O.P.D., the Nurses and Resident Staff Quarters etc. The Internee Students are housed on the Campus.

The following new buildings have come up on the campus during the year under report :

1. O.P.D. for old cases
2. E.N.T. Wards
3. Library—Extension on first floor of the old O.P.D.
4. Quarters for Professors and Lecturers, and
5. Quarters for Class III and Class IV Staff.

The following works are under construction :

1. Quarters for additional 150 nurses,
2. The new 300-bed Modern Surgical block and
3. Lands have been acquired for additional quarters for Housemen, Registrars, near the Jail compound.

Also a Hostel for 250 male medical students and 75 P.E.T.'s on the Gokhru ground is being planned.

3. Courses of Studies

The College conducts courses leading to the degree of M.B.,B.S. as well as the following Post-graduate courses :

(1) *Degree*

	Subject	*Duration of the Course*
M.D.	Medicine	3 years after registration
	Physiology	3 years after registration
	Pharmacology, Pathology	3 years after registration
	Obstetrics and Gynaecology	3 years after registration
M.S.	Surgery	3 years after registration
	Anatomy	3 years after registration
	Orthopaedics	3 years after registration
Ph.D.	Pathology	3 years after registration
	Pharmacology	3 years after registration
	Physiology	3 years after registration
	Bio-chemistry	3 years after registration
M.Sc.	Pathology	2 years after registration
	Pharmacology	2 years after registration
	Physiology	2 years after registration
	Bio-chemistry	2 years after registration

(2) Diploma

	Subject	*Duration of the Course*
D.G.O.	Diploma in Obstetrics and Gynaecology	One year after registration
D.O.	Diploma in Ophthalmology	One year after registration
D.A.	Diploma in Anaesthesia	One year after registration
D.C.P.	Diploma in Clinical Pathology	One year after registration
T.D.D.	Diploma in Tuberculosis Diseases	One year after registration
D.L. & O.	Diploma in Otolaryngology	One year after registration
D.V. & D.	Diploma in Venereal Diseases	One year after registration
D.M.R.E.	Diploma in Medical Radiology and Electrology	One year after registration
D.Ped.	Diploma in Paediatrics	One year after registration

Most of these have been inspected and recognised by the Medical Council of India.

4. Number of Students

The number of students enrolled in various classes in the year 1962-63 is as under :

(1) *Degree* :

	Men	*Women*	*Total*
First Year	69	15	84
Second Year	10	2	12
Third Year	53	9	62
Fourth Year	40	17	57
Fifth Year	85	24	109
Total :	257	67	324

(2) Post-graduate Degree :

	Men	*Women*	*Total*
M.D. (Medicine)	19	—	19
M.D. (Path.)	2	—	2
M.D. (Pharma.)	1	—	1
M.D. (O. G.)	5	4	9
M.S. (Sur.)	13	—	13
M.S. (Ortho.)	1	—	1
M.S. (E.N.T.)	4	—	4
M.Sc. (Pharma.)	1	—	1
M.Sc. (Physio.)	2	—	2
M.Sc. (Patho.)	3	—	3
Total :	51	4	55

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THE M. S. UNIVERSITY

(3) Post-graduate Diploma :

	Men	*Women*	*Total*
D. L. & O.	5	—	5
D. V. & D.	3	—	3
T.D.D.	2	—	2
D.C.P.	4	—	4
D.G.O.	9	4	13
D.O.	3	—	3
D.A.	2	—	2
D.Ped.	5	—	5
D.M.R. & E.	1	—	1
Total :	34	4	38
Grand Total :	342	75	417

5. Staff

The staff consists of a Dean, 9 Professors, 12 Lecturers, 17 Junior Lecturers, 12 Honoraries, 19 Assistant Honoraries, 10 Full-time Specialists, 10 Full-time Officers, 35 Class III and 47 Class IV servants.

6. Library and Reading-Room

The following are the figures showing the average daily attendance, circulation of books, etc.

Sr. No.	*Particulars*	*Number*
(1)	Average number of students making use of Library	46
(2)	Average number of teachers making use of Library	27
(3)	Total number of books issued to students during the year	16,100
(4)	Total number of books issued to teachers during the year	1,394

Sr. No.	*Particulars*	*Number*	*Cost* Rs.
(1)	Books (including back number of journals as on 1-4-1962)	8905	1,43,041=64
(2)	Books written off during the year	1	8=25
(3)	Books added during the year	525	10,205=34
(4)	Books as on 31-3-1963	9429	1,53,238=73
(5)	Journal subscribed during the year	123	9,009=65
(6)	Amount spent on binding during the year	--	1,279=00
(7)	Total amount spent for library and or Reading Room during the year	—	20,493=99

The Library is open on all working days between 8-30 a.m. to 8-30 p.m.

7. Museum, Laboratory, Studios, Workshop, etc.

Sr. No.	Item	Cost of equipment as on 1-4-1962	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 31-3-1963
		Rs.	Rs.	Rs.	Rs.
1	Museum	3,23,382	590	1,672	3,23,382
2	Laboratories	7,52,196	2,013	67,328	8,17,511
3	Studio	13,483	—	—	13,483
4	Workshop	—	—	—	—
	Total	10,89,061	2,603	69,000	11,55,458

8. Publications by the Members of the Staff

Department of Physiology :

Sr. No.	Name	Title	Where Published
1	Dr. M. L. Pai	(i) Effect of gastric secretory stimulant on sodium and potassium contents of gastric juice and their relationship with its acidity and pH in human subjects	Indian Journal Medical Research, Vol. 50, pp. 82-88, 1962
		(ii) Regeneration of liver tissue after partial hepatectomy in laboratory rats: Its effect on the composition of blood and liver tissue	Indian Journal Physiology and Pharmacology, Vol. 6, pp. 106-110, 1962
		(iii) Effect of different concentrations of glucose administered into human stomachs on their acidity, pH and electrolyte contents	Indian Journal Physiology and Pharmacology, Vol. 6, p. 14, 1962 (Proceedings of the 7th Annual Conference of the Association of Physiology and Pharmacology of India—Abstracts published)
		(iv) Effect of stimulant of gastric Na, K, contents and their correlation with acidity, pH etc. in Human stomachs	Proceeding, 49th Indian, Science Congress, Abstracts, Part III, Medical and Veterinary Sciences Section, p. 428, 1962
		(v) On the study of the changes in the Chemical composition of blood and liver tissue in partially hepatectomized animals	Proceeding, 49th Indian Science Congress, Abstracts, Part III, Physiology Section, p. 490, 1962

Sr. No.	Name	Title	Where Published
		(vi) Levels of Vitamin B complex, thiamine, riboflavin and nicotinic acid in toxaemeas of pregnancy	Symposium on vitamin metabolism, Abstracts of papers published. National Institute of Sciences of India, p. 36, 1962
		(vii) Excretion of some nitrogenous constituents in urine and its relation with dietary protein intake	Journal, Animal Morphology and Physiology, Vol. 9, No. 1, pp. 77-82, 1962
		(viii) On the effect of different concentrations of glucose administered into human stomachs on their gastric acidity, pH, sodium, potassium, chlorides and calcium contents	Indian Journal Physiology and Pharmacology, Vol. 6, No. 4, pp. 186-191, 1962
2	Dr. J. D. Pathak	"Human Physiology," Vol. I in Gujarati, *i. e.* मानवक्रिया विज्ञान, पुस्तक १	Government of Gujarat, June, 1962
3	Dr. J. D. Pathak and B. B. Bhatt	(i) Experiments on urinary sulphur and nitrogen excretion by Indians	Journal, Gujarat Research Society, Vol. XXIV, No. 3, July, 1962, p. 412
		(ii) Studies in Skin Temp. and effect of Aspirin and Pridcol	Indian Science Congress Journal, 1963
4	Dr. J. D. Pathak Dr. Y. B. Daxit and Dr. M. S. Rao	Normal Visual Reaction Time. Effect of missing a meal on it	Journal Indian Medical Association, 38, 10, p. 530, May, 1962

Department of Pharmacology :

1	Dr. O. D. Gulati and Dr. S. D. Gokhale	(i) Cardiac actions of ganglion blocking and certain other drugs	Archive of International Pharmacodyn. 137, 348, 1962
		(ii) Role of sympathetic discharge in the hepatotoxic action of carbon tetrachloride	Archive of International Pharmacodyn. 138, 412, 1962
2	Dr. J. C. Bijlani Dr. O. D. Gulati and Dr. S. D. Gokhale	An investigation of the antibarbiturate action of troburon	Indian Journal Physiology, Pharmacology, 6, 129, 1962
3	Dr. S. D. Gokhale and Dr. O. D. Gulati	(i) Nicotine convulsions and their modification by reserpine and chlorpromazine	Indian Journal Physiology, Pharmacology, 6, 154, 1962
		(ii) Positive intropic action and alkaloidal fraction from Ajuga Bracteosa Wall ex Benth	Indian Journal Physiology and Pharmacology, 6, 224, 1962

9. Literary, Cultural and Other Activities

During the year under report, films on various interesting and informative subjects were exhibited to the students and members of the staff.

10. Co-curricular Activities

(1) The students of this Faculty participated in the Inter-Faculty Tournaments and many of them have won prizes in games.

(2) Due to the National Emergency no social gathering was celebrated but the Annual Social Evening of this College was held on 2nd March, 1963 in the College quadrangle.

11. Tutorial and Class Work

The lectures and practicals are arranged according to the courses laid down. Also extra lectures are arranged by the teachers in the respective subject.

12. Other Important Events

(1) Edinburgh University, the World Health Organisation and the State of Gujarat are co-operating in a programme to develop a strong medical centre at the Medical College of the University of Baroda. The main object is to raise the standards of Medical Education of post-graduate teaching and Research. Under this scheme there will be visits to Edinburgh by the members of the Baroda Medical staff mainly those preparing senior posts and there may also be a student exchange scheme.

The following Visiting Professors are selected to visit this institution from 1963 onwards:

(i) Dr. A. R. Mills, M.R.C.S., L.R.C.P., Ph.D., D.P.H., D.T.M. & H., Public Health and Social Medicine
(ii) Dr. J. W. Farquhar, M.D., M.R.C.P.E., Paediatrics
(iii) Dr. I. W. Delamore, M.B., Ch.B., M R C P.E, Internal Medicine and Therapeutics
(iv) Dr. J. G. Collee, M.D., Bacteriology
(v) Dr P. R. Myerscough, M B., C.H.B., M.R C.O.G., Obstetrics and Gynaecology
(vi) Dr. E. G. Walsh—Physiology
(vii) Dr. Cruick Shank—Bacteriology

(2) Four teachers of the College who were deputed for higher studies in U. K. in the years 1960 and 1961 returned to the College during the year.

(3) It is reported with deep regret that Dr. A. N. de Quadros, the former Principal of the Medical College, Baroda and Ex-Surgeon General of the Government of Maharashtra expired on the 24th February, 1963.

(4) Many distinguished visitors came to the college during the year.

CHAPTER XII (B)—SHETH UJAMSHI PITAMBERDAS AYURVEDIC RESEARCH UNIT

1. Brief History

The Sheth Ujamshi Pitamberdas Ayurvedic College was established on the 28th June, 1922 in Patan with the help of a donation from Sheth Ujamshi Pitamberdas Modi. In 1952, the University took over the College on condition that the then Government of Bombay gave an annual grant of Rs. 36,000 for maintenance and organisation of an Ayurvedic Research Unit at the Medical College, Baroda. The Sub-Committee of this Unit completed the preliminary work by the end of June and the Sheth Ujamshi Pitamberdas Ayurvedic Research Unit began to function in the same year.

2. Buildings

The Museum, laboratory and administrative office of the Unit are accommodated in the two halls on the first floor of the east wing of the Medical College. The Rasashala is housed in a separate building constructed in the year 1954 by the University at a cost of Rs. 55,000 close to the Medical College. A new north wing, for the Out-patient Department of the Unit was added at a cost of Rs. 25,000 in the year 1957-58.

3. Staff

The staff of the Unit consists of a Head (Honorary), one Senior Research Vaidya, two Junior Research Vaidyas, one Research Medical Officer, a Chemist, a Statistician, one Research Assistant in Pharmacology, one Research Assistant in Chemistry, four Class III and seven Class IV servants. The Dean of the Faculty of Medicine, Baroda, works as the Honorary Head of the Unit.

4. Functions of the Unit

Research in Ayurveda is the sole object of this Unit. The Unit has a Library, a Museum of Indian Medical Herbs and Minerals, a Clinical Laboratory, a Rasashala and an Out-patient Department also. 12 beds at the S. S. G. Hospital are placed at the disposal of the Unit for Ayurvedic Clinical Research.

5. Library

This year 49 new books have been added bringing the total to 2593 books. 13 Ayurvedic journals were also subscribed to during the year. The amounts spent on (i) binding and (ii) Books and Journals during the year are Rs. 90=90 and Rs. 1,271=53 respectively.

6. Museum

50 groups of medicinal herbs, each consisting of 10 drugs according to the pharmacological classification and therapeutics of Charaka, are arranged in this museum. Specimens of minerals and other useful drugs have also been kept. A section of collated literature publication on certain diseases and Ayurvedic pharmacopaeial medicines (सिद्धोषधि विभाग) is also arranged. There are about 1000 Ayurvedic specimens, 54 Herbarium frames, 75 specimen jars of fresh herbs preserved in solution, 15 charts and maps. About 300 specimens have been collected for the herbarium and are classified. A relief map of India, showing the distribution of important medicinal plants in India is also exhibited in the museum.

7. Research

(1) *Out-patient Department*:

During the year 8,817 patients attended the Unit for treatment and were served with medicine. The disease spectrum of patients who attended the department was as follows:

ज्वर-जीर्णज्वर-पांडु-शोथ-उदर-अतिसार-अग्निमांद्य-कास-श्वास-शूल-कुक्षिशूल-अर्श-ग्रंथि-विद्रधि-दुष्टव्रण-कुष्ठ-वातरक्त-कृमि-पंगुवात-उरूस्तम्भ-पक्षाघात-उन्माद-अपस्मार-स्थौल्य-प्रदर-आमवात-संधिवात-गंडमाला-अपची-प्रमेह-मधुमेह-शिरशूल-अम्लपित्त-उदर्द-क्षुद्ररोग.

(2) *In-patient Department*:

Clinical research: 59 patients were admitted and studied during the year. पांडुरोग १, कृमिकोष्ठ १०, प्रवाहिका ३, कास १८, आमवात-जीर्णसंधिवात ६, प्रमेह-मधुमेह ४, कुक्षिशूल १, श्वास २, पंगुवात, रक्तार्श ५.

(A) *Clinical trials of well known Ayurvedic drugs*:

(i) Amavata-Sandhivata: Treatment of Rheumatoid Arthritis with pure Guggulu pounded in Ghee along with the powder of Liquorice root. Six cases were admitted and studied during the year. The work is in progress.

(ii) Prameha-Madhumeha: Treatment of Diabetes Mellitus with a specific medicine—Salobcein Tablets. 5 cases were admitted and studied. The work is in progress.

(iii) Effect of Leech-application on anaesthetic patches of Leprosy: 15 cases are studied.

(iv) Effect of Leech-application in joint pain and miscellaneous diseases. 44 cases are studied.

(v) The effect of पिच्छाबस्ति on course of प्रवाहिका (Dysentery) especially in relieving Tenesmus. More 13 cases are studied.

(vi) Effect of भारगमुल on कास—Bronchitis as respiratory sedative: 200 cases are studied.

(vii) Effect of सर्षव तेल—सर्षव चूर्ण and अपामार्ग in कृमिकोष्ठ *i.e.* Intestinal works—(Ankylostoma denodenale). 20 cases are studied.

(B) *Research in fundamental Theories of Ayurveda*:

Under this scheme work of observation of रसगुर्ण वीर्य विपाक of drugs with reference to their pharmacological action was taken in hand and Vipaka Experiments were continued. Vipakas of तिक्त-कषाय and कटु Rasas—10 drugs of each respectively by incubation method with pancreatin were observed and studied. The results were not concurrent with the doctrines as expostulated in the standard Texts of Ayurveda. This work is now completed.

(C) *Pharmacological Research*:

(i) Study of Diuretic Activity of certain Ayurvedic remedies:
(Study on Rats by Lipchuck method)
(a) Galjibhi juice (Elephantopus scaber)
(b) Culurbita seed juice
(c) Dharo white variety juice (Cyandadon Dactylon)

The results are not encouraging.

Drugs (a) and (b) did not show appreciable diuretic activity. Drug (c) was found to be very toxic producing nearly 100% of mortality with 0.2 ml./100 gm.

(ii) Hypoglycemic Activity of "SALOBCEIN" Tablets.

The work was carried out on Rabbits.

In 8 Rabbits Salobcein (1 tab/kg) produced a fall in fasting blood Sugar levels 6 to 8 hrs. after its administration. In 4 animals there was no reduction in blood sugar levels.

A further study on Alloxan Diabetes in rats is undertaken. The fasting blood sugar levels of normal rat were studied and work is in progress.

(iii) Anti-spasmodic activity of certain Ayurvedic Remedies.

The following drugs were studied:

(a) Aqueous Extract of Kantakari, (b) Aqueous Extract of Erandmool, (c) Aqueous Extract of Jethimadh.

The following preparations were used :

(a) Frog Rectus Abdominis muscle, (b) Rat uterus, (c) Guinea Pigileum, (d) Rabbit Ileum.

Aqueous extracts of test drugs were studied against the spasms induced by acetylcholine, Histamine and Barium Chloride.

The results were not encouraging so it was decided by the Local Research Sub-committee to discontinue the work.

(D) Pharmacognosy :

A separate laboratory and a drugs drying store-room, optical instruments, chemicals, books etc. are set apart for this work.

8. Work assisted by the allied Departments

(1) Dr. B. T. Dave, Dr. K. M. Parikh and Vaidya Y. R. Pandit	(a)	Clinical trials of Guggulu pounded in Ghee with Yashatimadhu powder in Rheumatic diseases mainly Rheumetoid Arthritis.
	(b)	Clinical trials of an Ayurvedic medicine " Salobcein Tablets " in Diabetes Mellitus.
(2) Dr. O. D. Gulati, Sarvashri D. G. Patel and S. S. Karbhari	(a)	Study of Diuretic Activity of certain Ayurvedic remedies. (Study on Rats by Lipchuck method).
	(b)	Hypoglycemic Activity of " SALOBCEIN " Tablets.
	(c)	Anti-spasmodic activity of certain Ayurvedic Remedies.

9. Rasashala

The following Ayurvedic Medicines were prepared in Rasashala during the year :

कर्पूरवटी, पुष्करमूलचूर्ण, मस्ताचूर्ण, कणाचूर्ण, भार्गीसिरप, अश्वगंधासिरप, गूडगुलुगुटिका, सुधागुटिका.

10. Garden

50 Ayurvedic herbs are grown and maintained in the garden for juices and quaths that are used in Pharmacy preparations and clinical trials.

11. Publications

Name of the Contributors		*Title of Paper*	*Publication*
(1) Vaidya M. K. Brahmabhatt	(i)	Raklajrog and Jalaukavacharana	Bhishag Bharti, No. 101, 102, 103, June, July, August, 1962.

Name of the Contributors		*Title of the Paper*	*Publication*
	(ii)	Dushta-pin-as and Jalaukavacharana	Ayurved Jagat, No. 248, February, 1963.
	(iii)	Gridhrasi and Jalaukavacharana	Ayurved Jagat, No. 249, March, 1963.
	(iv)	Effect of Pichhabasti on course of Dysentery especially in relieving Tenesmus (sent for Publication).	Nagarjun.
(2) Shri S. S. Karbhari, Vaidya D. K. Pathak and Dr. G. J. Patel		A Clinical evaluation of Cassia Fistula in Fungus Infection of the Skin.	Indian Medical Gazette, July, 1962, Vol. II, No. 3.
(3) Dr. B. T. Dave, Vaidya Y. R. Pandit and others		Panel Discussion on Diabetes Mellitus at Nadiad.	Nadiad Ayurvedic (Medical) College, Magazine, Vol. X, 1963.

A Symposium on " Pravahika " was organised on the 30th September, 1962, under the auspices of this Unit. Shri Vasudev M. Dwivedi, Director of Ayurveda, Gujarat State presided over this Symposium. It was inaugurated by Dr. C. S. Patel, Pro-Vice-Chancellor, M. S. University of Baroda. Three Vaidyas of the Unit and four outside Ayurvedic experts participated in this Symposium.

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. Brief History

The Faculty of Technology and Engineering is a development of the old Institution popularly known as the Kalabhavan Technical Institute, which was established in the year 1890. The Kalabhavan made its beginning by starting classes in Drawing, Carpentery, Dyeing and Calico Printing and within a few years developed into a Polytechnic, offering Diploma and Certificate courses in Engineering (Mechanical, Electrical and Civil), Technology (Dyeing, Bleaching, Printing and Finishing and Weaving), Architecture and Fine Arts (Printing).

With the institution of the Maharaja Sayajirao University of Baroda in May, 1949, the Kalabhavan Institution was merged in its newly constituted Faculty of Technology and Engineering. In keeping with the development and progress in the structure and pattern of technical education in the country, this Faculty has modified old courses and added new ones as shown below:

(1) Transferred the Fine Arts Section to the Faculty of Fine Arts from June, 1949;

(2) Started 3½ years degree courses in Engineering (Civil, Mechanical and Electrical)—B.E. (C.M.E.) from June, 1949;

(3) Started a three-year degree course in Engineering (Civil, Mechanical & Electrical)—B.E. (C.M.E.) from June, 1952 replacing progressively the old course of three and half year's duration;

(4) Started a four-year degree course in Textile Engineering B.Text. (Eng.) from June, 1953;

(5) Started a four-year Diploma course in Textile Technology (D.T.T.) from June, 1953, replacing progressively the old three-year Diploma Course in Weaving Technology (D.W.T.);

(6) Started a five-year degree course in Architecture (B.Arch.) from June 1954, replacing progressively the old four-year Diploma Course in Architecture (Diploma Arch.);

(7) Started a four-year degree course in Textile Technology B.Text. (Tech.) from June, 1955;

(8) Started five-year integrated degree courses in Textile Engineering and Textile Technology from June, 1957, replacing progressively the old degree courses in the respective branches of four years duration;

(9) Started two year Post-graduate Masters Courses in Civil, Mechanical and Electrical Engineering (C.M.E.) from November 1956;

(10) Started a four-year integrated degree courses in Civil, Mechanical and Electrical Engineering, Textile Engineering and Textile Technology—B.E. (C.M.E.), B.Text. (Eng.) and B.Text. (Tech.) from June 1957 replacing progressively the old courses of the respective branches;

(11) Transferred the three-year Diploma courses in Civil, Mechanical and Electrical Engineering (D.C.E.,D.M.E. and D.E.E.) to the newly established Polytechnic, progressively from June, 1957.

2. Buildings

The Building of the Faculty comprises the following:

(i) Main Building with the new wing,
(ii) The Hydraulic and Metallurgical Laboratories,
(iii) The Gas-room and
(iv) The Workshop and Textile Technology and Textile Chemistry premises.

3. Courses of Study

The Faculty provides for the following courses:

(1)	Ph.D.	Textile Chemistry
(2)	M.E. & B.E.	Civil, Electrical and Mechanical
(3)	B.Text.	Engineering and Technology
(4)	B.Arch.	Architecture
(5)	Diploma	Textile Chemistry and Textile Technology
(6)	Certificate	Dyeing and Weaving

4. Number of Students.

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

Year/Class	*Men*	*Women*	*Total*
(1) *Certificate*:			
Weaving II Year	4	—	4
Dyeing II Year	3	—	3
Total	7		7

Year/Class	Men	Women	Total
(2) Diploma:			
Textile Chemistry I Year	30	—	30
Textile Chemistry II Year	32	—	32
Textile Chemistry III Year	59	—	59
Total	121	—	121
Pre-Textile Technology	41	—	41
Textile Technology I Year	29	—	29
Textile Technology II Year	34	—	34
Textile Technology III Year	35	—	35
Total	139	—	139
(3) Degree:			
F.E. (Civil)	116	2	118
F.E. (Mechanical)	73	—	73
F.E. (Electrical)	66	—	66
F.Text. (Eng.)	19	—	19
F.Text. (Tech.)	14	—	14
S.E. (Civil)	114	1	115
S.E. (Mechanical)	84	—	84
S.E. (Electrical)	64	—	64
S.Text. (Eng.)	18	—	18
S.Text. (Tech.)	6	—	6
T.E. (Civil)	137	—	137
T.E. (Mechanical)	163	1	164
T.E. (Electrical)	96	—	96
T.Text. (Eng.)	9	—	9
T.Text. (Tech.)	14	—	14
B.E. (Civil)	124	1	125
B.E. (Mechanical)	135	—	135
B.E. (Electrical)	88	—	88
B.Text. (Eng.)	12	—	12
B.Text. (Tech.)	10	—	10
B.Arch. I Year	43	7	50
B.Arch. II Year	44	4	48
B.Arch. III Year	45	5	50
B.Arch. IV Year	39	6	45
B.Arch. V Year	34	1	35
Total	1,567	28	1,595

Year/class	Men	Women	Total
(4) Post-graduate Degree:			
M.E. (Civil) Highway and Bridge Eng.	3	—	3
M.E. (Civil) Public Health Eng.	4	—	4
M.E. (Civil) Soil Mechanics	1	—	1
M.E. (Mechanical)	6	—	6
M.E. (Electrical)	4	—	4
Total	18		18
(5) Ph.D.:			
Ph.D. (Public Health Eng.)	1	—	1
Textile Chemistry	1	—	1
Total	2	—	2
Grand Total	1854	28	1882

5. Staff

During the year the staff of the Faculty consisted of 11 Professors, 18 Readers, 57 Lecturers, 2 Part-time Lecturers, 51 Demonstrators, 111 Class III and 81 Class IV Servants.

6. Library

(1) *Acquisition Notes* :

(A) *Books* : The recurring grants from the University remained the same during the year under report. The University Grants Commission gave a special ad-hoc grant of Rs. 30,000 at the end of the year. All the grants were fully utilised.

There have been some noteworthy additions to the bookstock during the year. These are Petroleum Exploration Handbook by G. B. Mody; English-German Technical & Engineering Dictionary by Louis De Vries; 1961, Book of ASTM Standards pts. 1 to 11 by ASTM; Steam and Gas Turbines with a supplement on the prospects of the Thermal prime mover Vol. I and Vol. II by A. E. Stodola and others; Handbook of Thermophysical properties of Solid Materials Vol. I to Vol. V by A. Goldsmith & others; Eighth symposium (International) on combustion 1960 by combustion Inst. McGraw Hill year book of Science & Technology 1962, Computer Control Systems Technology by C. T. Londes; Open-channel Hydraulics by Ven Te Chow; Handbook of Fluid Dynamics by V. L. Streeter; A New approach to the Design of Switching circuits by H. A. Curtis, Methods of Mathematical Physics Vol. II by R. Courant; Scientific Foundation of Vacuum Technique by Saul Dushmen.

The following statement gives the details of acquisition by the Library of the Faculty during year under report :

	Books	*Bound periodicals*	*Pamphlets*	*Maps & Manuscripts*	*Total cost in Rs.*
Number at the beginning of the year	19,995	2,201	—	—	3,17,639=13
Number added during the year	2,147	450	—	—	39,490=98
Total	22,142	2,651	—	—	3,57,130=11
Number written off from the records	1,851	—	—	—	11,270=09
Number remaining at the end of the year	20,291	2,651	—	—	3,45,860=02

(B) Periodicals: The total number of technical and engineering periodicals subscribed for during the year stands at 90. About 450 volumes of bound periodicals were added to the stock during the year.

(1) Circulation of Books :

The Library and the Reading room are kept open on all working days from 11-00 a.m. to 10-00 p.m. On all the Sundays and Holidays, the Library provided reading facilities and reference service between 8-00 a.m. to 10-00 p.m.

The number of readers registered in various categories was as follows :

(i)	Post-graduate and Research students	40
(ii)	Under-graduate students	1,800
(iii)	Faculty teachers	196
(iv)	Others	5
	Total	2,041

The statistics of the use of the library are given below :

(i)	Daily average number of readers visiting the Library	275
(ii)	Average number of books issued per day for home reading	70
(iii)	Average number of books issued per day from curricular collection	85
(iv)	Average number of books issued per day for reference	40
(v)	Total average number of books issued per day for reading	195

7. Museum, Laboratories, Studios, Workshops etc.

Sr. No.	*Item*	*Cost of equipment etc. as on 1-4-62* Rs.	*Cost of equipment etc. written off during the year* Rs.	*Cost of equipment etc. added during the year* Rs.	*Cost of equipment etc. as on 31-3-63* Rs.
1	Laboratories, Studios, etc.	34,34,209=84	—	18,444=00	34,52,653=84

8. Publications by the members of the staff

The following are the publications of the members of the staff during the year :

(1) Articles/papers :

	Names	*Title*	*Name of the Journal wherein published with month of publication*
1	Dr. K. S. Shah	Noises of an engine having assymmetrical bladed axial cooling Blower	Annual number of Institution of Engineers (India) Gujarat Centre, November, December, 1962
2	Dr. R. T. Shah	Photoelasticity as applied to Design problems	Annual number of Institution of Engineers (India) Gujarat Centre, November, December, 1962
3	Shri A. D. Pandya	Bladeless guide vings for turbo-machinery	Institution of Engineers (India) Journal, January, 1963 (Mech. Division)
4	Dr. S. S. Merh	Structural aspects of the Charnokitic rocks of Pallavaram area, Madras State	Journal of M. S. U. Baroda (Science) Vol. XI, March, 1963
5	Shri S. D. Desai	Geology of the Osham Hill, Saurashtra (Guj.)	Journal of M.S.U. Baroda (Science) Vol. XI, March 1963
6	Dr. H. S. Desai	Application of the wave theory of film boiling to a horizontal cylinder	Journal of M. S. University of Baroda, 1963
7	Dr. H. S. Desai, D. V. Gogate and P. K. Korane	Free connection from a horizontal cylinder	Vikram University Journal, 1962

(2) Books :

1	Shri R. M. Dave	(i) Hydraulics and Introduction to Fluid Mechanics, Part I	Acharya Book Depot, Baroda, Sept., 1962
		(ii) Hydraulics and Introduction to Fluid Mechanics, Part II	Acharya Book Depot, Baroda, January, 1963
2	Dr. R. T. Shah	Strength of Materials	Acharya Book Depot, Baroda, January, 1963
3	Shri C. C. Shah	Advanced topics in Engineering Mathematics (Third Edition)	Acharya Book Depot, Baroda, Sept., 1962

9. Literary, Cultural and Other Activities

(1) Literary Association :

Lectures and talks on various subjects of general and engineering interest by prominent persons are arranged by this Association for the benefit of the students and staff. In order to develop the art of public speaking amongst the students, debates are also arranged by this Association.

(2) Elocution and Exhibition Contests :

(a) Students of this Faculty won prizes in the following elocution contests,

(i) First Prize in Vice-Chancellor's Trophy Debate
(ii) Third Prize in Vice-Chancellor's Trophy Debate
(iii) Second Prize in the Panchayat Raj Debate
(iv) Professor N. M. Wadia Debate Trophy

(b) Students of the Faculty participated in various Art Exhibitions and won prizes as under :

(i) First Prize of Rs. 200 in the Art Exhibition, 1963 (Students category) organised by the State Government.
(ii) Second Prize of Rs. 150 in the Art Exhibition, 1963 (Students category) organised by the State Government.
(iii) Third Prize of Rs. 100 in the Art Exhibition, 1963 (Students category) organised by the State Government.

(c) The ex-students of the Faculty won the following prizes:

(i) Second Prize of Rs. 500 in the Art Exhibition, 1963 (Open competition) organised by the State Government.
(ii) Third Prize of Rs. 250 in the Art Exhibition, 1963 (open competition) organised by the State Government.
(iii) All India First Prize of Rs. 5,000 for invention of Electric Cloth Singeing Machine use in the Textile Industry.

(3) Students' Chapter:

The students' chapter (The Institution of Engineers India), started functioning during the academic year with 206 students as members of the chapter. Under the auspices of the Chapter and the Literary Association 6 lectures were arranged on different Engineering subjects as given below :

	Date	*Speaker*	*Subject*
(i)	21-9-1962	Dr. Yegorov Kiril of Moscow.	Design of Foundations & on Settlement Criteria.
(ii)	22-9-1962	Shri H. P. Aranah, Production Engineer, Oil & Natural Gas Commission, Baroda.	Introduction to the Oil Industry.
(iii)	3-10-1962	Dr. D. G. Kulkarni, Soil Conservation Officer, Govt. of Maharashtra, Bombay.	Sewage Sugarcane Farms, their planning and maintenance.
(iv)	28-1-1963	Shri R. S. Mehta, Director, Central Health Engg., Nagpur.	Modern Trends in Public Health Engineering.
(v)	2-2-1963	Shri M. M. Patel, Special Engineer, Municipal Corp.	Water supply problems of Ahmedabad.
(vi)	21-2-1963	Shri J. F. Mistry, Executive Engineer, Ukai.	Clay-grouting of Earthen Dams.

(4) Seminars:

Generally the students of the final year Degree and Diploma classes take part in seminars. Students prepare and read papers on a selected theme relating to the subjects of their study and participate actively in the discussions. 29 seminars were held during the year.

(5) Faculty Socials :

The Annual Faculty Day was not celebrated this year due to the National Emergency.

10 Co-curricular Activities

(1) Excursions and tours :

Students of B.E., T.E., B. Text. Engineering, B. Text. Tech., T. Text. Eng., T. Text. Tech., Architecture II, III and IV year degree classes and all the final year Diploma classes in Textile and M.E. students were sent out on educational tours to places of particular interest in their respective branches of study, the period in each case extending upto about 2 weeks.

(2) Exhibition of Educational Films :

The Faculty has a stock of 23 films on various subjects of educational interest and also 14 strips of 35 mm. films. Every year additional films are taken on loan for use from different organisations. 51 film were shown during the year at the Faculty.

(3) Faculty Magazine :

The Faculty Magazine was published during the session 1962-63.

(4) Co-operative Stores :

The working of the Store was satisfactory. The total sale during the year amounted to Rs. 12,917=72 nP.

11. Tutorials and Class-work

Attendance at the terminal examination, tutorial periods and tests was compulsory. The system of giving credit for work done during the terms is followed. Regular records of the Class-work and practical tests of the students are maintained. In deciding the annual results of all examinations whether conducted by the Faculty or the University, the marks obtained by the candidates in their terminal examinations, tutorials, class-work and tests are taken into account as stated below :

Theoretical subjects: 30 percent of the maximum marks for the examination in each subject (10 per cent for year's work of the 1st term, 10 percent for the terminal examination and 10 percent for year's work of the 2nd term) for degree classes while 20 percent of the maximum marks for the examination in each subject, 6 percent for the year's work of the 1st term, 7 percent for terminal examination and 7 percent for year's work of the 2nd term for Diploma Classes.

12. Other Important Events

(1) Many distinguished persons visited the Faculty during the year.

(2) With the financial aid given by the University Grants Commission and the State Government under the Development, Expansion Schemes, general improvement of the Library and Reading Room of the Faculty and facilities for High Voltage work for the first degree course in Electrical Engineering Department, it has been possible to strengthen the existing laboratories, library etc. by purchasing additional equipment, apparatus, books and furniture. This has enabled us to meet the needs of the increased number of students. The University Grants Commission has also sanctioned a grant of Rs. 30,000 for the purchase of Books etc. for the Faculty Library during the year under report.

CHAPTER XIV—FACULTY OF FINE ARTS

1. Brief History

An Organiser was appointed in May, 1959 to make the preliminary arrangements. He visited centres of Fine Arts at Delhi, Nagpur, Banaras, Patna, Shantiniketan and Calcutta. By May 1950, the Syllabi and the scheme of Examination for Degree and Diploma Courses in Fine Arts were approved. Necessary books and equipment were purchased and some staff was also appointed. Then the Faculty started admitting students from July, 1950. The Post-graduate courses in the Faculty were started from June, 1954.

The Department of Museology was established in 1952 for giving training in Museology at the Post-graduate level with a view to prepare personnel for various administrative and technical posts in Museums in the country.

2. Building

The Faculty is located in Pushpa Baug on the University Road, Baroda. The buildings of the faculty are (1) Academic Block, (2) Painting and Applied Arts Studios, (3) Preparatory Studio, (4) Sculpture Studio, (5) Pottery and Ceramics and Bronze Casting Shed, (6) Stone Carving Shed, (7) Process and Blockmaking Workshop, (8) Exhibition Hall, (9) New Block for office staff, Studios, Library, Lithography, Photography, Wood-Crafts and Printing Studios, (10) Additional Painting Studio and (11) Additional Sculpture Studio.

3. Courses of Studies

The Faculty offers the following courses :

(1) Post-graduate Degree courses in (a) Painting, (b) Sculpture, (c) Applied Arts, (d) Art Education and (e) Art Criticism.

(2) Post-graduate Diploma Course in Museology.

(3) Post-Diploma Specialization Courses in (a) Painting, (b) Sculpture, (c) Applied Arts.

(4) Degree Courses in (a) Painting, (b) Sculpture and (c) Applied Arts.

(5) Diploma courses in (a) Painting, (b) Sculpture, (c) Applied Arts and (d) Textile Design.

(6) Certificate Courses in (a) Wood Crafts, (b) Lithography, (c) Photography, (d) Process and Block Making, (e) Bronze Casting, (f) Pottery and Ceramics and (g) Printing.

4. Number of Students

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

Class	*Men*	*Women*	*Total*
(1) *Certificate*:			
First Year	1	—	1
Second Year	3	—	3
Total	4		4
(2) *Diploma*:			
First Year	25	2	27
Second Year	6	1	7
Third Year	14	1	15
Fourth Year	11	1	12
Total	56	5	61
(3) *Post-Diploma*:			
Junior	—	—	—
Senior	3	—	3
Total	3		3
(4) *Degree*:			
Preparatory	31	4	35
First Year Specialization	17	3	20
Second Year Specialization	11	4	15
Third Year Specialization	18	6	24
Total	77	17	94
(5) *Post-graduate Degree*:			
Junior	4	3	7
Senior	2	—	2
Total	6	3	9
(6) *Post-graduate Diploma*:			
Junior	3	2	5
Senior	4	—	4
Total	7	2	9
(7) Non-Collegiate and Government Scholars and Foreign Scholars	21	10	31
Grand Total	174	37	211

5. Staff

During the year the staff consisted of 3 Professors, 3 Readers, 19 Lecturers, 2 Honorary Professors, 1 part-time Photographer, 2 Demonstrators, 1 Tutor, 2 Technicians, 1 Technical Assistant, 1 Taxi-dermist, 1 Printer, 7 Class III and 16 Class IV Servants.

6. Library

(A) Books:

(1) Acquisition Notes:

The Library received a grant of Rs. 3,000 from the University as usual and it has been fully utilised.

Noteworthy acquisitions during the year are (1) School of Paris by Raymond Nacenta, (2) The Loom of Art by Genmain Bazin, (3) Encyclopaedia of World Art.

The following statement gives the details of acquisition of the Library during the year:

	Books (including back Nos. of Journals)	*Pamphlets*	*Total Value in Rs. nP.*
Number at the beginning of the year	3490	94	52,301=07
Number added during the year	297	—	2,997=44
Number withdrawn from the record	—	—	— —
Number remaining at the end of the year	3787	94	55,298=51

(B) Periodicals:

The total number of periodicals and scholarly journals subscribed to, now stands at 24. The total amount spent for subscription of periodicals is Rs. 844=48. The total amount spent for binding is Rs. 422=45.

(2) Circulation of Books, etc.

The statistics of the use of the library is given below:

(i) Average number of students making use of the library	40
(ii) Average number of teachers making use of the library	20

(iii) Average number of Books issued per day for home reading (issued only to the staff members and post-graduate students) 20

(iv) Total average number of books issued per day for reading on the premises as well as for home reading 60

7. Museum, Laboratory, Studios, Workshops, etc.

Sr. No.	*Item*	*Cost of Equipment as on 1-4-62*	*Cost of equipment written off during the year*	*Cost of equipment added during the year*	*Cost of equipment as on 31-3-63*
		Rs.	*Rs.*	*Rs.*	*Rs.*
1	Studios, Workshops, Painting, Sculpture and Applied Arts	1,51,916=12	—	15,898=96	1,67,815=08
2	Museology	45,800=35	—	1,243=54	47,043=89
	Total	1,97,716=47	—	17,142=50	2,14,858=97

8. Literary, Cultural and Other Activities

During the year the Faculty arranged a number of lectures and demonstrations by experts some of which are mentioned below :

	Name	*Number of Lectures/Demonstrations*	*Subject*
1	Shri Somnatha Hore, A well-known Graphic Artist	2	Graphic Arts
2	Shri Manu Desai, A well-known Artist in Advertising Design	1	Advertising Design
3	Shri Laxman Pai, A well-known Artist of International Repute	2	Pictorial Composition
4	Shri Jogman Skyabans, A master Craftsman and Traditional Sculptor from Nepal	1	Nepalese process of bronze-casting
5	Professor Roy C. Craven, Jr. Fullbright Research Professor	1	Forms, Colours and Textures in Nature as related to Arts

	Name	*Number of Lectures/Demonstrations*	*Subject*
6	Dr. P. Sahasrabudhe, Director, National Children's Museum, New Delhi	2	A children's Museum for India: its role and responsibilities towards children and towards Education in India
7	Dr. S. P. Shrivastava, Director of Museums and Archaeology in the State of Rajasthan, Jaipur	1 1	History of Museum Movement in the World Types of Museums—their Functions and purposes
8	Shri O. P. Agraval, Asstt. Chemist, National Museum, New Delhi	2	Methods of Scientific examination for conservation of a work of Art
9	Dr. (Miss) Margaret, Warning, Visiting Professor, Faculty of Home Science, M. S. University of Baroda	4	History of Textile, Methods of Identification of Textile Fibres

Professor V. R. Amberkar, Artist from Bombay was invited as Visiting Professor to give lectures in the subject of Art History to the post-graduate students of this Faculty. He delivered 60 lectures during the year.

9. Co-curricular Activities

(1) The Faculty arranged a study tour to Mahabalipuram in October, 1962. The Museology Department took students to Ajanta, Ellora and visited Museums at Hyderabad, Madras, Bangalore, Coimbatore.

(2) The Following exhibitions were arranged in the Faculty ;

(i) An Exhibition of Sculptures of Egypt and Greece ;

(ii) An Exhibition of Original Paintings, Photographs, Original Sketches by the late Amrita Sher Gill ;

(iii) A slide show of Sculptures of Mastronic Delphi & Athens with commentary by Prof. N. N. Chaudhuri.

(3) A 'Fun Fair Programme' was arranged for the sale of works. A sum of about Rs. 9,000 was collected from the sale and credited to the National Defence Fund.

10. Other Important Events

(1) Awards and Prizes :

9 students and 1 member of the staff of the Applied Arts Department, 10 students and 4 members of the staff of the Painting Department, 6 students and 2 members of the staff of the Sculpture Department won prizes, medals, etc. in various exhibitions, shows and competitions.

(2) One Man Shows :

Sarvashri K. G. Subramanyam, G. T. Sheikh, Jyoti Bhatt and Jayant Parikh held one man shows at New Delhi, Bombay and Rajkot respectively.

(3) Shri V. H. Bedekar of the Museology Department was awarded a Netherland Government Fellowship for studying Museology in the Dutch Museums for a period of nine months. He also attended the International Council of Museums in July, 1962 at the Hague in the Netherlands.

(4) Many distinguished Visitors came to the Faculty during the year.

CHAPTER XV—FACULTY OF HOME SCIENCE

1. Brief History

The former Baroda State Government created on the 17th December, 1948 a Women's Educational Trust Fund to establish a Home Science College in Baroda. This Trust handed over this educational fund to the newly established University in May, 1949. The University then established a Nursery School in July, 1949 with 50 children on its roll and the Faculty of Home Science on the 3rd July, 1950 with 37 students in the first year and 3 advanced students in the 3rd year of the four year degree course.

In 1953 the first B.Sc. (Home) examination was conducted. Master's degree programmes in (i) Foods and Nutrition and (ii) Child Development were started in the year 1954 and 1955 respectively. On 18th June, 1956 the Gram Sevikas' Training Centre was established in Tara Niwas. In 1957 a fifth major in Clothing and Textiles was inaugurated. In June, 1959 the Post-Graduate Diploma in Nursery School Education was started. In June, 1961 the Masters' Degree in (i) Clothing and Textile and (ii) Home Science Education and Extension was established.

2. Buildings

A new building for the Faculty of Home Science was completed in June, 1952 at the cost of Rs. 6,59,000. It provided adequate class-rooms, laboratories, workshops, conference and seminar rooms, library and reading room and an administrative office. An auditorium with seating arrangements for 300 persons and Chetan Balwadi (a Nursery School attached to the Faculty) are accommodated in the west wing on the ground floor. The Maharani Shanta Devi Home Management House was constructed in the compound of the Faculty at a cost of Rs. 64,000. In 1957, the new department of Clothing and Textiles was constructed over the west wing at a cost of Rs. 54,500. A new Home Management House was constructed in the year 1960 at a cost of Rs. 16,000. In order to meet the urgent need for large class-rooms and space for Kindergarten a new wing at a cost of Rs. 1,62,373=78 was completed in September, 1961. This now brings the total cost of all the buildings to Rs. 10,03,373=78.

3. Courses of Studies

There is provision for the following courses :

(1)	B.Sc. (Home) and M.Sc. (Home)	(i) Foods and Nutrition (ii) Child Development (iii) Clothing and Textiles (iv) Home Science Education and Extension (v) Economics of Household and Home Management
(2)	Post-graduate Diploma	Nursery School Education
(3)	B.Sc. (Home)	General Home Science

Major changes have been introduced in the M.Sc. (Home), curriculum of all the departments. In the Chid Development Department it has been decided to offer three areas of specialisation at the M.Sc. level i. e. Nursery School Education and Parent Education, Family Relations and Research in Child Development. During the year under report the Masters' degree course in the subject of Economics of Household and Home Management has been introduced from June, 1962. Admissions to M.Sc. (Home) will now be open not only to B.Sc. (Home) students but to B.A. and B.Sc.'s as detailed below :

(i)	B.A. with Sociology or Psychology as major or special subject	M.Sc. (Home) in Child Development.
(ii)	B.Ed.	M.Sc. (Home) in Child Development or Home Science Education and Extension.
(iii)	B.Sc. with Chemistry or Biochemistry as Principal subject.	M.Sc. (Home) in Foods and Nutrition.

The revised syllabus for B.Sc. (Home), introduced in 1957-58 was again revised during the year under report. In the new course of B.Sc. (Home), the first six semesters are devoted to a corn course which acquaints all the students with the different phases of Home Science. In the seventh and eighth semesters the students have to select one of the five fields of specialisation or General Home Science.

A specially designed course in Humanities and Sciences is offered by the department of General Education.



The Vice-Chancellor awarding a gold medal

4. Number of Students

The number of students enrolled in the various classes at the commencement of the year 1962-63 was as follows :

1 B.Sc. (Home) :			452
(a) First Year	154	(including advanced, Repeaters and Non-collegiate)	
(b) Second Year	126	(including Repeaters)	
(c) Third Year	90	(including Repeaters)	
(d) Fourth Year	82		
(i) Foods & Nutrition (Majors)		24	
(ii) Child Development (Majors)		18	
(iii) Home Management (Majors)		22	
(iv) Clothing and Textile (Majors)		8	
(v) Home Science Education (Majors)		4	
(vi) General Home Science (Majors)		6	
2 Post-graduate Diploma in Nursery School Education :			1
3 M. Sc. (Home)			51
(a) Junior			
(i) Foods & Nutrition Majors		7	
(ii) Child Development Majors		5	
(iii) Home Management Majors		5	
(iv) Clothing and Textile Majors		3	
(v) Home Science Education Majors		1	
		21	
(b) Senior			
(i) Foods and Nutrition Majors		8	
(ii) Child Development Majors		9	
(iii) Clothing & Textile Majors		9	
(iv) Home Science Edu. Majors		4	
		30	
		Total	504

5 Staff

The staff of the Faculty consisted of 2 Professors, 3 Readers, 19 Lecturers, 4 Tutors, 11 Demonstrators, 2 Full Time Teachers, 10 Class III Servants and 19 Class IV Servants. The staff of the Child Development Department provides two of the theory courses and also handles the entire

practical instruction programme of the students of the undergraduate Diploma in Early Childhood course of the Faculty of Education and Psychology. The Faculty continued to receive the help of the staff of other faculties for teaching various courses. The Iowa State University has also deputed 5 Visiting Professors in each field of specialisation for a period of two years at the Faculty for teaching and conducting Research at the Post-graduate level.

6 Library and Reading Room

The Library had received as usual a recurring grant of Rs. 3,500/- from the University for the purchase of books and Rs. 1,000/- for periodicals. The grant was fully utilized.

(1) Acquisition Notes :

(A) Books :

Noteworthy additions were made to the book-stock in Foods and Nutrition, Education Extension and Child Development such as Human Nutrition and Dietetics by Davidson, Nutrition in Health and Disease by Cooper, Baber, Social Medicine by Iago Goldston, Research Methods in Behavioral Sciences by Festinger, Statistics in Psychology and Education by Henry E. Garrett ; Handbook of Research Methods in Child Development by Paul Henry Mussen.

		Books	*Bound periodicals*	*Pamphlets*	*Maps/ Charts*	*Total value* Rs. nP.
1	Number at the beginning of the year	7090	375	295	—	63236=92
2	Number added during the year	2608	32	40	—	4184=67
		9698	407	335	—	67421=59
3	Number withdrawn from the records	—	—	—	—	—
4	Number remaining at the end of the year	9698	407	335	—	67421=59

The Library received 139 books as a gift from Ford Foundation this year.

(B) Periodicals :

The total number of periodicals and scholarly journals subscribed for the library now stands at forty-seven. Thirty-two volumes of bound periodicals were added to the stock during the year.

(2) Circulation of Books :

Timings of the Library : Monday to Friday 8 a.m. to 5 p.m. Saturday 8 a.m. to 3 p.m.

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

1.	Post-graduate students	50
2.	Undergraduate students	440
3.	Research students, scholars, assistants	6
4.	University teachers	47
5.	Others	

The statistics of Library use are given below :

1.	Daily average number of readers visiting the library	150
2.	Average number of books issued per day for home-reading	25
3.	Average number of books issued per day from curricular	40
4.	Average number of books issued per day for reference	50
5.	Total average number of books issued per day	100
6.	Average number of fiction books issued per day for home-reading	10

7. Museum, Laboratories and Workshops

The Faculty purchased several show-cases to display educational articles. The following table shows the total cost of equipment in the Museum, Laboratories and Workshops :

Sr. No.	*Item*	*Cost of equipment as on 1-4-1962* Rs.	*Cost of equipment, etc. written off during the year*	*Cost of equipment, etc. added during the year* Rs.	*Cost of equipment etc. as on 31-3-1963* Rs.
1	Museum, Laboratories and Workshop	2,74,629=84	Nil	14,330=81	2,88,960=65

8. Literary, Cultural and Other Activities

(1) The Department of Home Science Education and Extension arranged several lectures and demonstrations on various topics for different

economic groups in different localities of the city. It also arranged a film-show every Friday. A workshop on writing Home Science Literature sponsored by the Directorate of Extension, Ministry of Foods and Agriculture was conducted in the Faculty with the assistance of the staff members of this Department from the 14th to the 21st March, 1963.

(2) The Department of Child Development and the staff and students at the Mental Hygiene Clinic had two joint case conferences and seminars. Dr. Kumari Prem Pasricha, Dr. (Smt.) Rajlaxmi, Dr. (Smt.) Muzumdar, Dr. (Smt.) Pathak gave lectures on research possibilities in the field of 'The Child and Family'. The department gave a brief orientation course on Nursery School Education for the Faculty of Social Work. The staff members of the Department were invited to attend 2 panel discussions held at the B.M. Institute in Ahmedabad. The 4 Directors of the B.M. Institute visited the department and a lively seminar on Research conducted in the department was held. A Refresher course of 6 weeks on Mother Craft and Balwadi Training has been organized in the Child Development Department under the sponsorship of the Directorate of Extension, Ministry of Food and Agriculture.

(3) The Department of Clothing and Textiles arranged the following:

(a) A Summer School for three weeks was conducted for teachers of other colleges. Teachers from Home Science Colleges of Udaipur, Delhi, Bombay, Madras, Coimbatore and Baroda participated. This project was planned under the University Grants Commission Scheme.

(b) The department prepared a set of clothes for a modern college girl which were exhibited during the All India Home Science Association held at Udaipur in October, 1962. The clothes included different sports wear, college wear, out-door wear, dramatics, dances, etc.

(c) Research work is carried out on body measurements of college women to help prepare commercial patterns.

(d) A fashion-show was held in aid of the National Defence Fund. The show consisted of Bridal costumes, provincial costumes, some foreign costumes, and traditional and modern hand-woven textiles. The staff and the students were the models.

(4) Under the course "Community Nutrition" the following special projects were conducted by the students of the Foods and Nutrition Department:

(a) Diet Survey of certified school students.

(b) Dietary survey of children between 1 to 6 years old of class four servants of the university.

(c) Infant feeding practices followed in the slum area around Pratap Gunj and three villages near Baroda.

(d) A training programme was conducted by Extn. Department of Education and Psychology. The M.Sc. students of Foods & Nutrition Department and Kumari Kalindi Patel, Lecturer, had taken care of teaching Nutrition to the School Teachers of Baroda District. The Project lasted for 4 days and included demonstrations.

(5) The Department of Home Management started a Home Management Club with a student as President, with the idea of bringing together the undergraduate, post-graduate students and the staff. Its first meeting was just a get to-gether. A second was held to welcome Miss Ogale & Mrs. Dangoria while a farewell function was held for the out-going students & Mrs. Wartman. The club conducted a flower arrangement course with help of Smt. Nadvi. About 15 students took this 2 months course and held an exhibition in February. A lecture on 'Colour' by Professor N. S. Bendre, Dean, Faculty of Fine Arts, was arranged in March, 1963, and it was attended by all students and staff of the Home Management Department.

9. Co-Curricular Activities

(1) The Department of Child Development published the following:

(a) A small pamphlet on 'Reading Readiness'.

(b) Illustrated story Picture Book 'सोनीयु तरतां शीखे छे'.

(c) A collection of stories for Nursery School Children was mimographed.

(d) An article by Dr. Proffenberger and (Smt.) Amita Verma on the 'Problems of Health and Sex Differences of a sample of Urban Pre-school Children' was published in 'The Indian Journal of Child Health', March, 1963.

(2) The Department of Foods and Nutrition conducted an educational trip to Anand Dairy and the Institute of Agriculture for the B.Sc. and M.Sc. students.

(3) The Department of Clothing and Textiles conducted educational tours to Ahmedabad Calico Museum, to Broach to see the traditional hand-weaving of "Sujnis" and the spinning and cotton mills, to Jamnagar, Rajkot and Junagadh to study the Saurashtra Embroideries, Patola-weaving, Tie and Dye-work and Lacquer printing.

(4) The Department of Home Science Education and Extension organised an extra mural tour to Kapadwanj Village for B.Sc. students and an educational tour to Jabugam Taluka for the M.Sc. students. The department conducted Adult Education classes at women's State Home Railway Staff College and Adhyapak Kutir.

(5) The Alumni Association of the Faculty of Home Science was formed on 6th September, 1962. The students of the Faculty of Home Science arranged a fun-fair in aid of the National Defence Fund on 2nd December, 1962.

10. Tutorial and Class Work

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

11. Other Important Events

(1) The five visiting professors from Iowa State University continued their help with the teaching and research in the various departments of the Faculty throughout the year. The Faculty received a large number of books and important equipment from U.S.A. under the Ford Foundation Scheme project. 26 students for Master's degree were deputed by various colleges and each one is receiving a scholarship of Rs. 1,500/- per annum.

(2) Many distinguished visitors came to the Faculty during the year.

12. Cheten Balwadi

The Chetan Balwadi which serves as a practising school for the students of the Faculty of Home Science was started in July, 1949 with 50 children on its roll. The Department of Chid Development conducts this nursery school for children between the ages of 2 and 5. It is located on the ground floor in the West Wing of the Faculty and is furnished with suitable furniture, equipment, apparatus, etc., for the education of children of the above-mentioned age-group. The Head of the Child Development Department works as the Superintendent of this school. In the year 1957-58 a new section of Kindergarten class for 25 children was started. The number of children in the Balwadi and the Kindergarten is as under:

	Boys	*Girls*	*Totel*
(i) Kindergarten	7	4	11
(ii) Chetan Balwadi	44	30	74
Total	51	34	85

A full-time Social Worker helps the students, teachers as well as parents to understand their difficulties. The Parent-Teacher Committee was very active this year. Many parents came to observe the activities and helped the teachers in the Balwadi routine. Discussions on Reports of children with the parents were encouraging.

13. Home Science Wing

The Ministry of Agriculture, Government of India is conducting an intensive programme of rural development in the country through the National Extension Service Blocks for raising the standards of living, health and happiness of the rural population. In this programme the Ministry requires a large number of Gram Sevikas *i.e.* Women Village-level Workers who are well-equipped to work in rural areas and to help the women there to raise the standard of living of the rural community. With this end in view, the Ministry decided to start 25 Centres in the country to train such workers. One out of the two centres offered to the former State of Bombay, is run on their behalf by the University as the 'Home Science Wing' in the University estate of Tara Niwas. Necessary additions and alterations were made at a cost of over Rs. 50,000/- for providing a training hall with class-rooms, laboratory, an administrative office and residential accommodation for the teachers and the trainees.

The Wing started functioning from 18th June, 1956. The Wing has so far conducted 6 batches and has turned out 137 trainees who have now been posted as Gramsevikas in Development Blocks of the State Government. The seventh batch has been started in November, 1962 and 37 women are under training.

The staff consists of one Chief Instructress, four Assistant Instructresses, three Class III and five Class IV servants.

The course is of one year's duration and instruction is imparted in subjects *viz.* Family, Foods and Nutrition, Clothing, Mother and Child Care, Housing and House Management, Health and Sanitation, Handicrafts and Cottage Industry, Agriculture, Kitchen-gardening, Co-operation and Home Science Extension. The Principal and the staff of the Gram Sevak Training Centre, Baroda have been co-operating in the teaching of some of the above subjects. The subjects are taught in theory and practicals in class, and practised in daily livings in hostels. The Wing arranged cultural programmes, exhibitions, study tours, village camps, farewell programmes to the trainees. Nawab Mehdi Nawaz Jung, Governor of Gujarat paid a visit to the Centre on the 20th July, 1962 to see the training programme of the Gramsevikas.

CHAPTER XVI—FACULTY OF SOCIAL WORK

1 Brief History

The Baroda School of Social Work was started in March, 1950, with the object of imparting professional training in Social Work at a post-graduate level. In the beginning it was a part of the Faculty of Arts. But after a year *i.e.* in March 1951, the School was established as a full-fledged Faculty under the Maharaja Sayajirao University of Baroda, Baroda. Since then the Faculty has been offering courses leading to the post-graduate degree in Social Work (M.S.W.)

2 Buildings

The Faculty is housed in a new building constructed at a cost of Rs. 3,26,000 out of grants from the University Grants Commission and the State Government.

3 Courses of Studies

The Faculty's training programme consists of three major components (a) Class-room work, (b) Supervised field work and (c) Training in use of research methods. The courses of study aim at preparing competent workers for a variety of position in the field of social welfare. Since the establishment of the Faculty in 1950, its policy has been to provide generic social work training. The various changes which have been introduced in the curriculum of the Faculty, are indicative of our deep concern for maintaining a high academic standard in the field.

4 Number of Students

The number of students enrolled in the Junior and Senior classes at the commencement of the year 1962-63 was as under :

Class	*Men*	*Women*	*Total*
Junior Class	27	8	35
Senior Class	27	11	38
Total :	54	19	73

5 Staff

The staff of the Faculty consisted of 1 Professor, 2 Readers, 7 Lecturers, 1 Agency Supervisor, 11 Part-time Lecturers, 11 Class III and 7 Class IV Servants.

The Mental Hygiene and Psychiatric Clinic had 1 Reader in Mental Hygiene, 1 part-time Psychiatrist, 1 Clinical Psychologist, 2 Psychiatric Social Workers, 1 Class III and 1 Class IV Servants.

6. Field Work (Practical training)

In any professional training theoretical knowledge should be supplemented by practical training in the field, and it should form an integral part of the total training programme. Therefore, an increasing emphasis is being placed on the field work experience of the students. Usually half or in some cases more than half, of the total time which the student spends in the Faculty is devoted to this aspect of training. Generally, the students are given field experiences in the area of their special interest and for this they are placed in social service agencies which co-operate with the Faculty. At present twenty agencies are co-operating with the Faculty and participating actively in providing learning experiences for the students.

In the initial years, the Faculty faced the difficulty of finding suitable agencies, particularly in the fields of Rural Social Work, Urban Community Welfare and Psychiatric Social Work, for offering field experiences. The Faculty had, therefore, established the following three agencies with the primary purpose of training its students.

(I) Rural Community Welfare Centres :

The rural community welfare centre at Atladra was established in 1950, to give practical experience to the students in rural welfare work. As the experience gained in this village proved useful, the Faculty extended its programme and one more village Bil was taken up for extensive work. The centre at Atladra was discontinued, and, instead, another centre at village Tandelja was established in the year 1959-1960. At present, the Faculty is running centres at two villages (Bil and Tandelja). Every year on an average 7 to 8 students are placed in these centres for their field-work training. The Centres carried out the following programmes :

(i) Social Education Programme : The programme consisted of recreational and cultural activities, literacy classes, organisation of discussions on current topics and on problems pertaining to rural areas, conducting surveys, publication of monthly bulletins (Gram Vikas), organizing film shows, maintaining an information bureau, keeping liaison between the Government and the village people.

(ii) Women Welfare : Women's groups are organised in different Falya's of the village. These groups are encouraged to participate in vocational training (tailoring) programme, literacy classes, health education and recreational and cultural programmes organised by the students' group. In addition to this, the students also organise groups of young boys and girls for group work and social education programmes.

(iii) General Programmes : They consist of work with the Panchayats, co-operative societies and other local institutions with a view to co-ordinating their activities and to help the local community in planning and in executing village development programmes.

(2) Fateh Gunj Samaj Kalyan Kendra :

This centre was established in the Fateh Gunj area in the year 1951. The Centre functions as a community welfare agency providing recreational and social education programmes for children, women and men. During this year recreational group activities, subsidiary diet and nutrition, distribution of library books, film-shows, social education groups and community contacts were continued. Interest group activity has also been introduced. Recreational and educational activities were continued in the Machhi Pith area where the majority of the members hail from the Harijan community.

During this academic year 10 students were placed in the centre for field work experiences. Of these 2 dropped out within the first few months.

(3) Mental Hygiene and Psychiatric Clinic :

The clinic was established in the Shri Sayaji General Hospital on a part-time basis in July, 1952. With the grant from the Jean and Howard Norman Trust of Australia, it started working full time in the year 1954. The purpose of the clinic has been (a) to provide field work placement for training of psychiatric social workers, (b) to offer mental hygiene and psychiatric services to the community and (c) to work towards building a mental hygiene programme in the community,

(i) Training : During the year the clinic accepted five students of the Faculty of Social Work for psychiatric social work placements. Four students had their assignments in the clinic, and one in the Chetan Balwadi, Department of Child Development, the Faculty of Home Science. The four students placed in the clinic were given field instruction in case

work treatment of children and adults with psychiatric disturbances. They were also given assignments in the preventive aspects of mental health work in that they discussed on an organized basis children's problems with teachers of a few primary and secondary schools in the city. With active co-operation of the staff members of the Department of Child Development the student placed in the Chetan Balwadi was given experience in play therapy, situational group therapy and participation in the activities of parent-teacher association.

Undergraduate medical students in small batches continued to attend the clinic for a period of two weeks during their out-patient department terms. In this short period the staff held brief discussions on psychiatric history taking an examination, various clinical conditions and methods of treatment. Brief discussions on emotional needs and psychiatric problems of children and principles of child guidance were held with the post-graduate (D.Ped.) students.

(ii) Services : Since its establishment in July 1952, the clinic registered 2910 cases upto March 31, 1963. During the year services were rendered to 447 cases. Of these total 447 cases, 411 were new cases registered during the year, and 36 cases were carried forward from the previous years.

(iii) Research : The clinic staff in collaboration with the Research Department of the Faculty of Social Work has undertaken an exploratory study of the patients referred to the clinic. The clinic has also collected material which can throw light on many aspects of mental illness in India.

7. Study Tour and Camps :

Senior students went on a ten-day study tour programme to Lucknow and Kanpur visiting welfare agencies in the field of Labour Welfare and Correctional Administration. A camp was organised for junior students at Gupta Prayag, Delvada (Saurashtra) for seven days. The students gained experience in group living and also had an opportunity to visit a community development block at Una and other places of interest.

8. Library and Reading Room :

(1) Acquisition Notes :

(A) Books :

The Library received a grant of Rs. 5,500 for books from the University this year and it has been fully utilized.

Besides useful monographs in the field of social work a few important reference works such as the Directory of Adult Education Agencies and Workers ; the Directory of Agencies for Recreational and Cultural Activities in S. E. Asian Countries, Supreme Court Digest of Labour Law Cases, Reader's Digest, Great World Atlas, Group Work Papers from 1957-1961 published by National Conference on Social Welfare were obtained.

The following statement gives the details of acquisitions in the Faculty Library during the year :

	Books (including back number of journals)	*Pamphlets*	*Total value in Rupees* Rs. nP.
Number at the beginning of the year	5100	800	38,701=64
Number added during the year	372	150	2,998=62
Total :	5472	950	41,700=26

(b) Periodicals :

The total number of periodicals and scholarly journals subscribed to now stands at 68. The total amount spent for subscription, etc. is Rs. 1,296=48. 69 volumes of bound periodicals were added to the stock during the year.

(2) Circulation of Books, etc. :

The Library remains open from 8.0 a. m. to 7.30 p. m. on week days and from 8.00 a.m. to 2.30 p.m. on Saturdays. It is also kept open on some Sundays and Holidays in order to give more facilities to the students preparing for the examinations.

The statistics of the Library use are given below :

1	Daily average number of students making use of the Library	73
2	Daily average number of teachers	17
3	Average number of books issued per day for home-reading	90
4	Total average number of books issued per day for reference reading	110

9. Publications by Members of the Staff

The following papers and/or articles were published by the members of the staff during 1962-63 :

	Name of the teacher	*Title of paper/article*	*Name of the Journal and month of publications*
	(1) Books:		
1	Dr. (Smt.) A. M. Muzumdar	Social Welfare in India—Mahatma Gandhi's contributions	Asia Publishing House, 1963
	(2) Articles:		
1	Dr. (Smt.) A. M. Muzumdar	(i) Gandhian Approach to Social Work	A chapter in "Social Work" in India-1962
		(ii) Social Work comes of age in India	"Social Welfare", Vol. IX, No. 3, June, 1962
		(iii) Career and Marriage: Marriage in the changing Socio-economic conditions in India to-day	"University Symposia" Series-13, M. S. University, Baroda
2	Shri G. G. Dadlani	Needs and Services for Physically and Mentally Handicaped Children	"University Symposia" Series-14, M. S. University, Baroda, November 1962
3	Kumari I. M. Patel	Changing Concepts of Child Welfare in India	"University Symposia" Series-14, M. S. University, Baroda, November 1962
4	Shri S. A. Yelaja	(i) Background of the Symposia	"University Symposia" Series-14, M. S. University, Baroda, November 1962
		(ii) Prevention of Blindness	Asian Journal of Rehabilitation, Bombay, January, 1963
	(3) Papers:		
1	Shri S. A. Yelaja	(i) Training of Social Education Organisers	Indian Journal of Adult Education—New Delhi, June, 1962
		(ii) The Problems of Training in Rural Community Development	Social Work Review, India, July, 1962
		(iii) A Survey of Slums in Baroda	Social Sciences Journal, Baroda University, July, 1962

10 Literary, Cultural and Other Activities

Members of the staff participated in the wider field of social work in addition to their varied responsibilities and duties at the Faculty. They also took active interest in the development of the field at large. They participated in various conferences and gave talks on topics of vital importance.

The Faculty conducted a five-week short-term orientation course in social work for the Police Officers of the Gujarat State from the 19th November to the 22nd December, 1962. Twenty-two members of the police staff were deputed from whole of Gujarat State to participate in the training programme.

The Second Faculty-Agency Seminar was organised on the 7th and 8th December, 1962 and it was attended by about 45 representatives of the local Welfare Agencies. Discussion was held on the subject "Responsibility of the Agency and the Faculty in Promotion of the Allied Community Resources".

The Third Faculty Alumni Seminar was held at Faculty on the 22nd and 23rd February, 1963. The theme selected for the Seminar of 1963 was—"Block Field Work Placement".

11. Co-curricular Activities

(1) Participation on various Committees :

Professor (Smt.) A. M. Muzumdar, Shri G. G. Dadlani and Kumari I. M. Patel worked in different capacities on various Committees, Boards, Associations, etc. in and outside the University.

(2) Students' Association :

The Students' Association of the Faculty organised socials, debates, sports, outings and lectures by eminent speakers on topics of academic interest. They also organised a study circle during the year. The Association continued to run the Faculty Canteen, on a non-profit basis, in the interest of students and the members of the Staff.

(3) Essay Competition :

The Indian Conference of Social Work, Bombay, had organised an essay competition on an All-India level on the subject "Mobilization of Social Services in National Emergency". Two junior class students of this Faculty participated in this competition.

(4) Magazine:

The ninth issue of the "Social Work Review" Magazine was published in July, 1962. Some well-known people in the field of Social Work and members of the staff contributed articles for this issue.

(5) Planning Forum of the Faculty

The Planning Forum of the Faculty organised a lecture, by Professor B. G. Shah, Dean, Faculty of Commerce, on "The Present Crisis and Our Economy" on 19th December, 1962. The students and the staff of the Faculty attended the lectures arranged by the University Planning Forum during the National Plan Week Celebrations. The Secretary of the Faculty Planning Forum attended the Second State Level Conference of University Planning Forums, held at Baroda on the 14th, 15th and the 16th October, 1962 and participated actively in the workshop (Group No. 5) on "Social Services Under Five Year Plans".

12. Tutorials and Class-Work

The method of teaching adopted in the Faculty lays emphasis on participation by students, and seminar discussions at the post-graduate level are encouraged and implemented as far as possible. Individual supervision forms an important part of the Faculty's programme. Each student is assigned to a member of the staff for the purpose of discussing problems arising out of his field work experience ; regular weekly conferences are held for this purpose. The student is thus helped to learn to put theory into practice. Similarly for research guidance, the students have regular conferences with their research guides which enables the staff to have close supervision over students' day-to-day progress.

The Faculty maintains a film library of its own. Every year additional films on subjects of academic interest are obtained for use from different organisations. Periodical film-shows are arranged to supplement class-room teaching. Demonstration sessions, on use of audio-visual aids, are held to help students to appreciate the use of this important method of extension.

13. Alumni Association

The Alumni Association continued to give information and counsel to graduates regarding job and other problems. Since its inception, the Association has striven to establish close contacts between the Faculty of Social Work and its alumni. It acts as a central bureau of information

transmitting news of employment opportunities and related matters to its members.

The Alumni Association Shield was instituted by the Association and was donated to the Faculty for award to the student whose over-all performance in the Faculty has been rated excellent. This Shield is to be awarded every year to the candidate, who is placed in the Second rank as per the final merit list issued by the Faculty.

The Alumni Association is assuming a most active role in facilitating exchange of ideas and experience among the alumni with a view to maintain a high standard of professional efficiency and morale. This is achieved through periodical seminars and frequent informal social gatherings.

A get-together of the Association was also organized. About 60 alumni participated in the third Faculty-Alumni Seminar organised by the Faculty during March, 1963. A General Body Meeting of the Association, where 60 delegates and the Patron, were present, elected the new office-bearers of the Association.

During the last 13 years of its establishment, the Faculty has trained 220 graduates. Almost all of them are gainfully employed and many of them hold key positions in the field.

14. Distinguished Visitors

The following visitors visited the Faculty during the year under report :

1. Dr. and Mrs. Claude A. Eggertson of University of Michigan, U.S.A. visited the Faculty in August 1962 to study our Faculty's Field Work Programme (Social Education) and to explore the possibilities of exchange of students and staff.

2. Dr. J. D. Sutherland, Director, Tavistock Clinic, London, visited the Faculty on 23-8-1962 on his visit to Baroda.

3. Mr. C. M. Kuriakose of the Sacred Heart Institute of Social Work, Thevara, came on a week's programme to the Faculty in December 1962 to study the Field Work programme of the Faculty. He had individual conferences with the staff to discuss field work programme as carried out in different agencies. He also visited few selected agencies where the Faculty students are placed for their field practice.

15. Social Education Organizers' Training Centre, Samiala

The Centre, is a constituent Unit of the Faculty of Social Work, situated about 8 miles from Baroda on the road to Padra. It is one of the eleven Social Education Organisers' Training Centres in India and receives grants from the Ministry of Community Development and Co-operation, Government of India. It is an inservice training centre for the Social Education Organisers who are in charge of Social Education Programmes in C.D. Blocks along with other Extension Workers.

This Centre was started in January, 1955 exclusively for women who underwent specialized training for three months after the five months' regular training for Social Education Organisers' Work. In January 1956, the Centre was converted into a five months' training centre for both men and women. In 1959, the Ministry revised the training programme so as to make it longer—6½ months for men and 10½ months for women. Since March 1959, the Centre is training only women S.E.Os., known as Mukhya Sevikas. The Training Centre has so far trained 94 men and 273 women.

The third long-term course of Mukhya Sevikas ended on the 25th June, 1962, wherein 38 women trainees were trained as Mukhya Sevikas. The fourth course has been started with 24 trainees on roll.

The new syllabus for the Mukhya Sevikas with emphasis on practical skills was used for the first time. The theoretical portion of the studies emphasised the Social Science knowledge as applied to the rural situation. Increasing use of new communication techniques like audio-visual aids, role playing, etc. were also used. Field works agency visits, village camps, study tours, village placements and Block-placements were also carried on during the year.

The staff of the centre including the postal staff consists of one Director, one Special Instructor (Reader), four Lecturers, two Art Instructors, one Lady Home Economist, one Class III and ten Class IV servants. Eleven part-time Lecturers were also invited for the long-term course.

The Centre also maintains a library and a reading-room. It has a stock of 1323 books at a cost of Rs. 5909=62. The Library continuued to get publications of the Government of India, U.S.I.S., etc. free of cost.

Sarvashri J. C. Kavoori, K. M. Sharma and B. H. Pathak were deputed to attend the special course on Methodology of Field Studies at Udepur. Shri S. H. Shah was deputed for three months training at the National Institute of Community Development (I. W.), Dehradun. Shri J. C. Kavoori and Kumari A. P. Gandhi and M. S. Mukadam also attended conferences and Seminars concerning Social Education.

The Centre also runs a Health Clinic with the assistance of Government Doctors of Padra Health Unit. The total number of Clinic days was 99 and the patients 1533. A grant of Rs. 1900/- was sanctioned by the University towards the maintenance of the Clinic. Field work, agency visits, village camps, study tours, etc., were arranged during the year. The Centre was also visited by a number of distinguished visitors. Shri S. K. Dey, Minister for Community Development, Co-operation and Panchayati Raj paid a visit to the Institution on the 25th August, 1962.

CHAPTER XVII – FACULTY OF LAW

1. Brief History

Since June, 1957 Law was taught as a liberal and cultural subject at the B. A. level in the Faculty of Arts. A Committee was appointed under the Chairmanship of Honourable Justice Shri K. T. Desai to work out the syllabi and other details for starting the Faculty of Law. The Committee submitted the details in November, 1958 and the Senate in their meeting held on the 26th March, 1961 decided to start the Faculty from Juue, 1961. The Faculty imparts liberal-cum-professional training and instruction leading to the degree of Bachelor of Laws (LL. B.) from June, 1961.

2. Buildings

The Faculty is at present housed in the west wing of the building of the Faculty of Arts.

3. Courses of Studies

The Faculty imparts instruction leading to the degree of LL. B. (Bachelor of Laws). The teaching of Law at the B. A. (Special) and B. A. (Subsidiary) is also continued.

It is also proposed to develop post-graduate studies in the Faculty. Particular attention is being devoted to a scheme of post-graduate training in the specialized branches of Law, by making the arrangements for courses leading to the Diploma in Taxation Laws and the Diploma in Labour Laws. The Faculty has been planning for a full-fledged post-graduate programme leading to the degree of Master of Laws. (LL. M.).

4. Number of Students

The number of students is as under :

Class	*Men*	*Women*	*Total*
First LL. B.	300	25	325
Second LL. B.	127	6	133
Total	427	31	458

The strength of the Law classes in the Faculty of Arts was as under :

Law (Special) T.Y.B.A.	45
Law (Subsidiary) S.Y.B.A.	28

5. Staff

During the year the staff of the Faculty consisted of 2 Readers, 2 Lecturers, 7 Part-time Professors, 3 Class III and 3 Class IV employees. Senior members of the Bar were appointed a part-time Professors.

6. Co-curricular Activities

The Faculty organized a number of functions to develop corporate life amongst the students. There were debates, tours, games and other cultural activities. A Mock Trial was organized with a view to acquaint the students with the procedures in the Courts of Law. Teachers of the Faculty, who are also leading members of the Bar, trained the students for this Trial, which was well-staged. A symposium on "The Chinese Aggression : An Analysis" was arranged at the time of the Emergency. The students of the Faculty donated Rs. 1001 to the National Emergency Fund.

7. Important Lectures

The following eminent speakers addressed the students of the Faculty:

Speaker	*Subject*
(1) Hon'ble Shri Justice H. R. Gokhale, Judge of the Maharashtra High Court	Legal Profession
(2) District and Session Judge Shri Dhirubhai Desai, Baroda	What it is to be Judge
(3) Notre Dam Law School (U.S.A.), Prof. W. J Wagner	(i) The American Constitution (ii) Organization of Courts in the U.S.A. (iii) Federalism
(4) Member, Law Commission of India, Shri Durga Das Basu	The concept of limited government
(5) University of California, Professor Steiner	Some Aspects of American Government

These lectures were well-attended by the students and the teachers of the Faculty.

CHAPTER XVIII—ORIENTAL INSTITUTE

1. Brief History

The Baroda Central Library, which was established by the former Government of Baroda in 1910, had a Sanskrit Section consisting of manuscripts and printed books. In 1915 this section started publication work under the Gaekwad's Oriental Series. The work of this Sanskrit Section gradually expanded and in 1927 the Section was separated from the Central Library and was made an independent institute named the Oriental Institute, and placed in charge of a Director with necessary technical and administrative staff. In 1931, the Translation Branch of the office of the Commissioner of Education, which was publishing books in Gujarati, Marathi and Hindi, was also transferred to the Oriental Institute. When the Institute was taken over by the University in 1949, it had a good record of publications—109 volumes in the Gaekwad's Oriental Series and 516 other books.

2. Building

The Oriental Institute was transferred from the Government building, called the Record Tower Building, to the Shrimati Hansa Mehta Library Building, ground floor, in the campus of the Faculty of Arts, from 25th January, 1958.

3. Work of the Institute

The main work of the Institute is research and publications of unpublished important works carried on with the help of a very big collection of manuscripts and the collection of printed books on all subjects related to Indology.

The publications are under the following titles :

(1) Gaekwad's Oriental Series
(2) M. S. University Research Series
(3) Journal of the Oriental Institute (Quarterly)
(4) M. S. University Oriental Series (published in the Journal of the Oriental Institute)
(5) Critical and Illustrated Edition of the Valmiki Ramayan
(6) The Maharaja Sayajirao Memorial Lecture Series
(7) Shri Sayaji Sahityamala

(8) Shri Sayaji Balajnanamala
(9) Shri Sayaji Gramavikasamala
(10) Matushri Jamnabai Smarak Granthamala
(11) Shri Shishujnanamala.

4. Post-graduate Teaching

Besides the above, as a part of the scheme of co-ordination of the teaching of the 14 Shastras of Sanskrit in the University, 8 members of the Institute are recognised as Post-graduate teachers in Sanskrit and Gujarati for guiding M.A. and Ph.D. students.

During the year, the Director, the Deputy Director, the Head of the Ramayana Department and other recognised teachers on the staff of the Institute guided in all 13 Ph.D. students in Sanskrit, Gujarati and Ancient Indian Culture and 44 M.A. students in Sanskrit and Gujarati. The Director continued to work as the Head of the Gujarati Department of the Faculty of Arts. Students working under the teachers of this Institute are being enrolled in the Faculty of Arts.

5. Staff

During the year, the staff consisted of 1 Director, 1 Deputy Director, 4 Research Officers, 7 Class III and 6 Class IV servants in the Institute and 1 General Editor and Head of the Ramayana Department, 1 Assistant Editor, 2 Proof-Readers, 16 Critical Apparatus writers, 2 Class III and one Class IV servants in the Ramayana Department.

6. Library

(1) *Manuscripts Section :*

This section has a collection of 21481 MSS in Sanskrit, Prakrit, Pali, Apabhramsa and other classical Indian Languages as also in several Modern Indian Languages of which 579 were added during the year. Out of these, 139 were purchased and 440 were received as gift.

During the year 1962-63, 33 MSS were lent to outside institutions, 6 to local scholars and 182 were issued for work on the premises of the institute; while 5 MSS were borrowed from outside institutions. The Manuscripts collection of the Oriental Institute is becoming richer by the addition of new collections every year and includes several MSS of historical and cultural value for their subject-matter and for the historical information that they offer through their colophons and post-colophon entries. There are MSS in almost all the scripts of India including

Persian and Arabic. The Manuscripts collection of the Oriental Institute can easily be developed a second grade Archives.

(2) *Printed Section*:

The Institute has a well-equipped library with a collection of 24,690 books. The working hours of the library are from 11-00 a.m. to 5-30 p.m. on week days and 11-00 a.m. to 3-00 p.m. on Saturdays.

(*a*) *Acquisition Notes*:

(i) Books: This year the library received a grant of Rs. 6,000/- for Printed Section and Rs. 500/- for Ramayana Department from the University for the purchase of books and periodicals. The grant has been fully utilised.

There have been some noteworthy additions during the year *viz.*, Sexual life in Ancient China by R. H. Van Gulik, Ajanta, Ellora and Aurangabad Caves by R. S. Gupta and R. D. Mahajan; Vachaspatyam by Taranath Bhattacharya 6 volumes. A History of Fine Arts in India and Ceylon, by V. A. Smith, 3rd ed; La Durghatavrtti de Saranadeve by L. Renoue (two volumes).

The following statement gives the details of acquisition during the year:

	Books including bound periodicals	*Total value in Rupees*
Number at the beginning of the year	23,900	2,17,912=94
Number added during the year	790	7,328=84
Total	24,690	2,25,241=78

Out of the total number of books added during the year, 476 books were purchased at the cost of Rs. 6,106=27 and 314 books including periodicals were received as gifts and/or on exchange basis.

(ii) Periodicals: The total number of periodicals and scholarly journals subscribed for and received on an exchange basis now stands at 240. About 147 volumes of bound periodicals were added to the stock during the year.

(*b*) *Reference Work etc.*

The Library of this Institute has, from 1958, become a reference library, known as the Oriental Printed Section, and is also under Supervision of the University Librarian. The Statistics of the Library use are given below:

(i) Average number of students making use of the Library	110
(ii) Average number of teachers making use of the Library	90

The total amount spent during the year on binding of books and periodicals is Rs. 599=72 np.

7. Publications

(1) *Gaekwad Oriental Series*:

Editing and publication of the Series is one of the main activities of this institute. Uptil now, 140 volumes have been published under this series.

During the year the following work was published:

(a) GOS No. 140 Trisastisalakapurusacaritra Vol. VI. English Translation—by Dr. Miss Helen M. Johnson.

The following works are under print:

(a) Nrtyadhyaya by Dr. Priyabala Shah (in the binding stage)

(b) Rasakaumudi by Dr. A. N. Jani (printing of the text is completed)

(Both the works have been financed by the Sangeet Natak Akademi, New Delhi. They will be the publications of the Gaekwad's Oriental Series)

(c) Natyasastra of Bharata with Abhinavabharati, Vol. IV by Shri J. S. Pade (pp. 1-400 printed. Further printing is still in progress)

(d) Dhurtaswamibhasya on Apastamba Srauta Sutra by Shri Chinnaswami Sastri (pp. 1-144)

(e) Pada-Index of Valmiki Ramayana, Vol. II by Professor G. H. Bhatt (pp. 1-584)

(f) Catalogue of Palm-leaf MSS in the Santinatha Bhandar, Cambay, Vol. II by, Muni Shri Punyavijayaji (pp. 1-328)

(g) Ramasataka by Muni Shri Punyavijayaji and Dr. B. J. Sandesara (pp. 1-32)

(2) *M. S. University Oriental Series*:

(a) Lexicographical Studies in Jaina Sanskrit by Dr. B. J. Sandesara and Shri J. P. Thaker—published in book-form as no. 5 of this Series.

(3) *M. S. University of Baroda Research Series*:

(a) The Soma-Hymns of Rgveda—a fresh interpretation—Part III by Dr. S. S. Bhawe was published during the year under this series as no. 6.

(b) 'Matsyapurana—A Cultural Study' by Dr. S. G. Kantawala is under print. Uptil now 1-128 pages have been printed and further printing is in progress.

8. Translation Branch

This branch of the institute carries on the publication work of the books under series 6 to 11 mentioned in para 3.

The following books were published during the yeai in this Series:

(1) *Shri Sayaji Sahityamala:*

(a) 'कैलास'	by Swami Pranavatirthaji
(b) 'ऐतिहासिक लेखसंग्रह'	by Shri L. B. Gandhi
(c) 'अंबिका, कोटेश्वर अने कुंभारिया'	by Shri K. B. Dave

(2) *Shri Sayaji Balajnanamala*:

(a) 'कै. प्रो. माणिकराव यांच्या जीवन चरित्रांतील कांही प्रसंग'	by (Smt.) Vatsalabai Ambegaonkar

The following works are in progress:

(1) *Shri Sayaji Sahityamala*:

(a) 'हरिभद्रसूरि'	by Prof. H. R. Kapadia
(b) 'श्रीमद् भागवत' (समश्लोकी अनुवाद—त्रण स्कंध)	by Late Shri N. A. Pandya

(2) *Shri Sayaji Gramavikasamala:*

(a) 'समाजशिक्षण'	by Shri S. H. Shah

(3) *The M. S. Memorial Lectures Series:*

(a) आनन्दमीमांसा	by Professor R. C. Parikh
(b) Natural Resources and their planned Utilization	by Professor M. S. Thakar

The sale of all publications is managed by the University Publications Sales Unit since December, 1959.

9. Publications by the members of the staff

(1) *Articles/Papers*

Name	*Title*	*Where published or read*
1 Prof. B. J. Sandesara	(i) जयशेखर सूरिकृत त्रण श्लोक	Bulletin of Chunilal Gandhi Vidya Bhavan, August, 1962

Name	*Title*	*Where published or read*
	(ii) बड़कार संगीतकार	बुद्धिप्रकाश, ऑक्टोबर, १९६२
	(iii) अंचलगच्छीय श्री जयशेखर सूरिकृत नेमिनाथ वीनती	जैन साप्ताहिक, दीपोत्सवी अंक, सं. २०१८
	(iv) वेताल के वेताल भट्ट	गुजरात दीपोत्सवी अंक, सं. २०१८
	(v) 'Shri C. D. Dalal—First Editor and principal organiser'	Journal of the Oriental Institute, Vol. XII-2, December, 1962 issue
	(vi) 'Aivaddau, an appellation of Anahilavad Patan, Capital of Mediaeval Gujarat'	Munshi Indological Felicitation Volume, issued in January, 1963
	(vii) शर्विलकनी सर्जकता	रूचि, फेबुआरी—१९६३
	(viii) अइवड्डउनी सर्जकता—अणहिल पाटणनुं एक पर्याय-नाम	बुद्धिप्रकाश, मार्च—१९६३
2 Dr. U. P. Shah	(i) A Further Note on Satyameva Jayate Nanrtam	Journal of the Oriental Institute—Vol. XI, No. 4 June, 1962
	(ii) रसवती-रसोइ	बुद्धिप्रकाश, अमदावाद, ऑक्टोबर, १९६२
	(iii) हिन्दुधर्म, विश्वधर्म, युगधर्म	हिन्दु मिलन मंदिर, सूरत, दीपोत्सवी अंक, सं. २०१८
	(iv) सूफी संत राबिआ	नवभारत, दीपोत्सवी अंक, सं. २०१८
	(v) पाटणनी बे जैन प्रतिमाओ	प्रवासी अंक ४, अमदावाद
	(vi) Sunga Railing Pillars from Lalsot, Rajasthan	Journal of the American Oriental Society, Vol. 82, No. 1
	(vii) शान्तिदेवनी नम्रता	जनकल्याण सत्यघटना अंक, जान्युआरी, १९६३
3 Dr. U. P. Shah and Dr. R. N. Mehta	Nagara, An early Historic site	Pravasi, Vol. X, No. 4
4 Prof. G. H. Bhatt	(i) The Doctrine of Grace in Indian Philosophy	Aryan Path, November, 1962
	(ii) परब्रह्मने पथे	Akhandanand, December, 1962
	(iii) Shri Vitthalnathaji's Contribution to Shuddhadvaita Vedanta	Munshi Indological Felicitation Volume, January, 1963

Name	*Title*	*Where published or read*
5 Shri J. P. Thaker	वीथी विमर्श	Navacetana, January, 1963
6 Shri B. L. Shanbhogue	(i) Sisuprabodhakavya-lankara of Punjaraja (pp. 1-24)	Journal of the Oriental Institute, Vol. XII-1 September, 1962, Vol. XII-2 December, 1962
	(ii) Pracalanagitam, a Marching song in Sanskrit	Sanskrit Vidvat Sabha, Baroda-January, 1963
7 Dr. S. D. Parekh	कथाघटकोनी घटनप्रक्रिया	Hindu Milanmandir, October, 1962
(2) *Books* :		
1 Dr. B. J. Sandesara	(i) महामात्य वस्तुपाल का साहित्य-मण्डल और संस्कृत साहित्य में उसकी देन (Hindi translation of the English book *viz.* : ' Literary Circle of Mahamatya Vastupal and its Contribution to Sanskrit Literature ')	By the author
2 Dr. B. J. Sandesara & Shri J. P. Thaker	(ii) Lexicographical Studies in Jaina Sanskrit	Oriental Institute, Baroda
3 Dr. B. J. Sandesara & Dr. S. D. Parekh	(iii) पंचाख्यान बालावबोध An old Gujarati Prose-work of the 16th century Part I : (edited in collaboration with Dr. S. D. Parekh)	Gujarati Dept., Faculty of Arts, Baroda
4 Prof. G. H. Bhatt	Vallabhacharya's Brahma-sutranubhasya with the commentary Vivarana—chps. 3 & 4	Nathadwara Temple Committee, Nathadwara, 1963
5 Shri J. S. Pade	(i) Editing of Natyasastra of Bharata with Abhinavabharati, Vol. IV : 400 pages printed ; printing still in progress	Oriental Institute, Baroda
	(ii) Dhurtaswamibhasya on Apastamba Srauta Sutra, edited by Shri Chinnaswami Sastri	Oriental Institute, Baroda

10 Ramayana Department

During the year under report the Ayodhyakanda Fascicule 2 (Sargas 41-111, with Appendix, Notes, Introduction and Concordance) edited by Dr. P. L. Vaidya, was published. The volume was well received by scholars in India and outside.

The Collation of the two Microfilms was completed for the Sundarakanda and that of the three Microfilms reached different stages in the Yuddhakanda. The collation of all the MSS for the seven kandas has already been completed.

As regards the Editorial work, 46 Sargas of the Aranyakanda were printed and Sargas 47-49 were in print. The press-copy upto Sarga 60 was finally revised and sent to the Press, while the remaining portion (Sargas 61-71) was under final revision. The text was first constituted by the Editor, Rao Bahadur P. C. Diwanji, M.A., LL.M , who unfortunately expired before he could revise it in the light of the critical apparatus. The work of revising the constituted text and writing the introduction and notes consequently devolved on the General Editor, Prof. G. H. Bhatt. It is hoped that the Aranyakanda will be published shortly.

The Kiskindhakanda (Sargas 67) constituted by the Editor, Principal D. R. Mankad, was taken up for writing Critical Apparatus. The rough work of the Critical Apparatus for the whole kanda was over. The press copy of the Sargas 1-15 was prepared and that of the Sargas 16-19 was under preparation.

The Editor of the Sundarakanda, Prof. G. C. Jhala, constituted the text of the Sargas 1-8 (= Vulg. 10). The Critical Apparatus for the Sargas 1-7 was under preparation.

The Editor of the Yuddhakanda (6), Dr. P. L. Vaidya, constituted the texts of the Sargas 1-14 (= Vulg. 21).

11. Literary, Cultural and other Activities

(1) Prof. B. J. Sandesara, Director, Oriental Institute was awarded the Narmad Suvarna Chandraka by the Narmad Sahitya Sabha, Surat for his book महामात्य वस्तुपालनुं साहित्यमंडल अने संस्कृत साहित्यमां तेनो फाळो adjudged to be the best Gujarati book on historical research published during the five years, 1956-60. He was elected a member of the General Council of Sahitya Akademi (National Academy of Letters), New Delhi, under the Presidentship of Shri Jawaharlal Nehru.

(2) Dr. U. P. Shah, Deputy Director, Oriental Institute, who had been awarded a Fullbright Travel Grant and Smith Mundt Maintenance Grant as a (Senior) Research Professor for research and study in the Graduate School of Arts, University of Pennsylvania, Philadelphia, U.S.A. returned from the U.S.A. through Europe and resumed his duties on 18th June, 1962.

(3) Dr. George Cardona, Assistant Professor of Sanskrit and Hindi in the Department of South Asia Regional Studies, Graduate School of Arts, University of Pennsylvania, was deputed to this institute in 1962, as a Visiting scholar under a grant of the Department of State, U.S.A. for a study of the Gujarati Language and some further higher research work in Sanskrit and left India in May, 1963, after finishing his work.

(4) Dr. I. M. P. Raeside, Lecturer in Gujarati and Marathi, School of Oriental and African Studies, London, worked in the Institute with Dr. S. D. Parekh and read some old Gujarati texts with him.

(5) Dr. S. D. Parekh, Research Officer, Oriental Institute, has worked as Local Secretary of the 15th Conference of Collegiate Teachers of Gujarati, held at Baroda, in October, 1962.

12. Journal of the Oriental Institute

The Institute has regularly published a quarterly Journal. During the year Vol. XI, Nos. 3 and 4 and Vol. XII, Nos. 1 & 2 were published. 90 subscribers were registered during the year and 198 copies were sent on an exchange basis. The Journal is specially devoted to research studies in Indology and also includes scholarly papers on the Ramayana and allied topics concerning the Epics and the Puranas.

13. Other Activities

(1) For further development of the Oriental Institute the scheme of inviting Professors was continued and the following seven lecturers by four learned lecturers on different subjects were arranged in the Oriental Institute during the year under report :

	Name of the Lecturer	*Subject*	*Date/s*
1	Shri Kalyanrai N. Joshi	'द्वारकानुं पुरातत्त्व'	12-9-1962
2	Principal D. R. Mankad	The Twelve Devasura-sangrams	6-12-1962
			7-12-1962

	Name of the Lecturer	*Subject*	*Date/s*
3	Professor Dr. Stella Kramrisch	(i) Nepali Art-Sculpture	20-12-1962
		(ii) Nepali Art-Architecture and Painting	21-12-1962
		(iii) Myths and Symbols of the Rgveda	21-12-1962
4	Professor Dr. W. Norman Brown	The Vasanta Vilasa —An Old Gujarati Ode to Spring Time	4-2-1963

(2) The Institute has been in charge of the scheme of preparing text-books in regional languages. Under the scheme one book 'प्रमाणशास्त्र' by Dr. B. G. Desai was published and other works are under preparation.

14. Other Important Events

(1) The University Grants Commission continued the Senior Research Fellowship of Rs. 500 p.m. for the year 1962-63 to Dr. (Kumari) Surabhi Hrushikesh Trivedi for carrying on research on 'The contribution of Puranas to Dharma-Shastra' in the Oriental Institute under the guidance of Shri J. S. Pade, Research Officer of this Institute.

(2) Dr. P. M. Modi was selected for assistance under the scheme 'Utilization of services of Retired Professors and Scientists' by the University Grants Commission and he has been awarded an honorarium of Rs. 4,000 per annum for teaching and supervision of Research of (1) Brahmasutra of Badarayana and (2) A Critical Study of Anubhasya on the Brahmasutra.

(3) The 15th session of the Collegiate Teachers of Gujarati (गुजरातीनो अध्यापक संघ) was held at Baroda under the auspices of the University on the 24th and 25th October, 1962 under the Chairmanship of Prof. S. G. Betai of S.N.D.T. University, Bombay. The Conference was inaugurated by our Vice-Chancellor Dr. J. M. Mehta. About 90 Collegiate Teachers of Gujarat attended and various symposia were held. Prof. B. J. Sandesara, the Director, Oriental Institute was appointed by the University as the Chairman of the Local Executive Committee and the work of the whole Conference was smoothly and successfully done with the entire co-operation of the teachers of the Gujarati Department and the staff members of the Oriental Institute.

(4) The University Grants Commission has approved the implementation of the scheme for the Collection, Preservation and Utilization

of Manuscripts in this University and a sum of Rs. 16,200/- has been sanctioned at present for the following items:

			Rs.
A.	Collection :	For Survey and Exploration and purchase of MSS	2,500
B.	Preservation :	Equipment and Staff	3 700
C.	Utilization :	(a) Staff and (b) Equipment Book Combi-photo Copying Machine	10,000
		Total :	16,200

(5) The University Grants Commission has accepted the proposal of the University to continue the publication work of the Gaekwad's Oriental Series under the Third Five Year Plan at an estimated cost of Rs. 67,000. The Commission has sanctioned its share @ 50% Rs. 31,000, (NR) for the G.O.S. publication and a sum of Rs. 5,000 as a special grant for books.

(6) Many distinguished visitors came to the Institute during the year.

CHAPTER XIX—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

1. Brief History

The Institution was first started in 1886 by the former Government of Baroda. It was then known as the Bharatiya Sangeet Vidyalaya (School of Indian Music) but later on it was designated the College of Indian Music. It was taken over by the M. S. University of Baroda in 1949. At that time it offered a Diploma Course in Vocal and Instrumental Music. The University introduced in July, 1950, a four-year course leading to the Degree of B.Mus. in Vocal and Instrumental Music. Degree and Diploma Courses in Dance and Dramatics were started from June 1951. Post-graduate courses leading to the Degree of Master of Music, were introduced from the year 1954.

2. Building

The present building at Sursagar was occupied by the College in June, 1952. The Gymnasium of the College was converted into an Open Air Theatre in 1956-57. Extension of the present building as approved by the Visiting Committee of the University Grants Commission, has been completed. This has provided facilities for the post-graduate studies and research.

3. Courses of Studies

The College offers the following courses :

(1) A Two-year Post-graduate course leading to the Degree of Master of Music (M.Mus.) in Music, Dance and Dramatics,

(2) A Four-year course in Music (Vocal and Instrumental—Sitar, Violin, Dilruba and Tabla), Dance (Bharat Natyam and Kathak) and Dramatics, leading to the Degree of Bachelor of Music,

(3) A Five-year course in Vocal Music, Sitar, Dilruba, Violin and Tabla leading to the Diploma in Music (Dip. Mus.)

(4) A Two-year Post-Diploma course in Dancing (Kathak and Bharat Natyam).

(5) Three-year Course leading to the Diploma in Dancing (Dip. Dance) and Diploma in Dramatics (Dip. Dramatics)

(6) Three-year S.S.C. course in Vocal Music,

4. Number of Students

The number of students enrolled in the various classes for the year 1962-63 was as uuder :

Year/Class		*Men*	*Women*	*Total*
(1) Diploma :				
1st year		104	64	168
2nd year		48	54	102
3rd year		21	35	56
4th year		15	8	23
5th year		15	11	26
	Total	203	172	375
(2) Degree :				
1st year		6	7	13
2nd year		5	3	8
3rd year		3	4	7
4th year		8	4	12
Non-collegiate		2	1	3
	Total	24	19	43
(3) Post-graduate Degree :				
5th year—Jr. M.Mus.		2	—	2
6th year—Sr. M.Mus.		1	1	2
	Total	3	1	4
	Grand Total	230	192	422

5. Staff

During the year, the staff consisted of a Principal in the grade of Professor, 1 Honorary Visiting Professor, 2 Honorary Visiting Lecturers, 2 Readers, 11 Lecturers, 4 Tutors, 21 Ustads (Teachers in Music and Dance including part-time teachers etc.), 9 Class III and 10 Class IV servants.

6. Library and Reading-room

(A) Books :

The Library of the College of Indian Music, Dance and Dramatics received as usual a grant of Rs. 2,000 from the University for the purchase of the books and Rs. 600 for periodicals. The grant has been fully utilised. In addition, a grant of Rs. 5,000 for books and equipment has been received from the University Grants Commission under the Third Five Year Plan.

The following statement gives the details of acquisition of this Library during the year :

	Books	*Bound Periodicals*	*Total Value in Rs.*
(1) Number at the beginning of the year	4228	329	28,970=33
(2) Number added during the year	338	95	2,881=51
(3) Number withdrawn from the records	—	—	—
Total	4566	424	31,851=84

(B) Periodicals :

The total number of periodicals subscribed to now stands at 45 ; 95 volumes of bound periodicals were added to the stock during the year.

(C) Circulation of books, etc.

The Library remained open from 9.30 a.m. to 12.30 p.m. in the morning and 5.00 p.m. to 8.00 p.m. in the evening on all working days, except Sundays and Holidays. The number of readers registered in various categories were as follows :

(1) Post-graduate students	5
(2) Undergraduate students	49
(3) Diploma students	50
(4) Teachers	42
	146

The statistics of the use of the Library are as below :

(1) Daily average number of readers visiting the library	50
(2) Average number of books issued per day for home-reading	25
(3) Average number of books issued per day for Reference	25
(4) Total average number of books issued per day for reading	50

7. Museum, Laboratory, Studios, Workshops, etc.

The College has a small museum of ancient instruments of various types. The drama properties room contains a collection of costumes and many miscellaneous properties.

A Physics Laboratory has been established to teach the students the principles of sound.

The following table shows the cost of equipment in the laboratory ;

Sr. No.	Item	Cost of equipment as on 1-4-1962 Rs.	Cost of equipment etc. written off during the year Rs.	Cost of equipment etc. added during the year Rs.	Cost of equipment as on 31-3-1963 Rs.
1	Physics Laboratory	4,279=20	—	404=63	4,683=83

8. Literary, Cultural and other Activities

(1) Programmes of Music, Dance and Dramatics were arranged by the students and the staff members of the College fortnightly on Saturdays during the whole year.

(2) The Consul General of U.S.S.R. Shri I. M. Kharchenko and Vice-Consul Shri Y. P. Yakunin for U.S.S.R. gave a speech on development of cultural relations between India and U.S.S.R. at the Music College Lecture Hall on the 20th July, 1962 under the Presidentship of Dr. C. S. Patel, Pro-Vice-Chancellor.

(3) An informal musical evening with U. C. L. A. group of American students was arranged on the 9th August, 1962 in the College. The American students and our students presented certain items of Music and Dance.

(4) Students and staff members of this College presented a cultural programme on the 7th, 8th and the 9th December, 1962. The programme fetched an income of Rs. 2,600 which was credited to Chief Minister's Sainik Fund.

9. Co-curricular Activities

(1) A film-show was arranged on the 15th September, 1962, with the co-operation of Publicity Organiser, Ministry of Information and Broadcasting and the following films were shown:

(i) Folk songs of Gujarat, Parts I and II
(ii) M. S. University of Baroda—its working
(iii) Kathakali Dance, Parts I and II
(iv) Songs of Maharashtra, Parts I and II

(2) The College celebrated Professor Maula Baux Anniversary on the 21st September, Pandit V. N. Bhatkhande and Pandit Vishnu Digambar Jayantis on the 28th September, 1962 and Swami Haridas Jayanti on the 19th January, 1963.

(3) The College Annual Day was celebrated both for Degree and Diploma students and staff on the 25th January, 1963. The Chief Guest was Dr. Jyotindra M. Mehta, Vice-Chancellor, M. S. University of Baroda. Prizes were distributed by Shrimati Saralaben Mehta. Diploma certificates were given away by the Vice-Chancellor to the students who passed in the examination of 1962.

(4) The College students Association published the 3rd number of the College Magazine 'Ninad', a hand-written copy.

10. Tutorials and Class Work

Tutorials are held regularly in each subject, covering both theoretical and practical aspects. These tests have proved of great help to the students, in maintaining an even progress of studies, and to teachers in maintaining regularity in the total coverage of each subject. Attendance at tutorials is compulsory.

11. Other Important Events

(1) Professor P. A. Markov, an eminent Producer from U.S.S.R. visited the College on the 12th and the 13th September, 1962. He delivered a lecture on "The Stanislavaski System of Theatre Craftsmanship and Training of Actors and Producers" and also witnessed the rehearsal of the play "Mourning Becomes Electra".

(2) Shri Vanaraj Bhatia, Reader in Musicology of Delhi University delivered two lectures on the 11th and the 12th January, 1963, on the following subjects:

(i) Eastern Music in India.
(ii) Some East and West Parellels, under the Scheme of the Board of Extra Mural Studies.

(3) The Dance Department of this College presented a programme of new experiments in Bharata on the 24th February, 1963, in the College Play Box. The Vice-Chancellor Dr. J. M. Mehta and some foreign guests witnessed the new experiments.

CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

1. Brief History

The institution was established by the former Baroda Government in 1915. With the passing of the Maharaja Sayajirao University of Baroda Act 1949, it became a constituent recognised institution of the University but its management continued to be with the Government till the University took it over on 18th June, 1951.

2. Building and Hostel

The institution continued to be housed in the city in the building called ' Temple of Radhavallabha ' which belongs to the Devasthan Department. It has a hostel in a hired building to accommodate 15 students. The number of students residing in the hostel during the year was 9.

3. Courses of Studies

The institution offers courses in four stages as under :

(1) The Vachaspati : A research course of two years' duration for the higher post-graduate Research degree of ' Vachaspati ' has been instituted in this institution for those who have passed the Acharya examination of this University or its equivalent.

(2) Uttamkaksha or special Pandit course of four years' duration is split up into two courses—the Shastri course (Degree course) extending to the first two years and the Acharya course (Post-graduate degree course) extending to the last two years in the subject of (i) Vyakaran Shastra, (ii) Jyotish Shastra, (iii) Dharma Shastra, (iv) Sahitya Shastra, (v) Nyaya and Vaisheshik Darshan, (vi) Sankhya Yoga and Vedant Darshan and (vii) Purva Mimansa Shastra. Only the first four branches worked during the year under report.

(3) The Madhyama Kaksha course of five years' duration leads to the diploma of ' Visharad ' in each of the two branches of (i) Grammar and Literature and (ii) Astrology and Astronomy, with English upto the S.S.C. standard compulsory for both the branches.

(4) The Pratham Kaksha or certificate course is of three years' duration in each of the branches of (i) Yajurveda Yajniki, (ii) Rigveda Yajniki and (iii) Purana with Grammar with Literature compulsory for all branches.

4 Number of students

The number of students enrolled in various classes during the year 1962-63 was as under :

Class :		*Men*	*Women*	*Total*
(1) *Pratham Kaksha Certificale*				
	First Year	11	—	11
	Second Year	17	2	19
	Third Year	4	3	7
	Total :	32	5	37
(2) *Madhyama Kaksha (Visharad)*				
(i)	Vyakaran Shastra			
	First Year	14	1	15
	Second Year	2	1	3
	Third Year	1	—	1
	Fourth Year	—	—	—
	Fifth Year	—	—	—
	Total :	17	2	19
(ii)	Jyotish Shastra			
	First Year	8	—	8
	Second Year	2	—	2
	Third Year	1	—	1
	Fourth Year	1	—	1
	Fifth Year	1	—	1
	Total :	13	—	13
(3) *Shastri*				
(i)	Vyakaran Shastra			
	First Year	2	—	2
	Second Year	2	—	2
(ii)	Jyotish Shastra			
	First Year	1	—	1
	Second Year	2	—	2
(iii)	Sahitya Shastra			
	First Year	2	—	2
	Second Year	2	—	2
(iv)	Dharma Shastra			
	First Year	3	—	3
	Second Year	—	—	—
	Total :	14	—	14

		Men	*Women*	*Total*
(4) *Acharya*				
(i)	Vyakaran Shastra			
	First Year	2	—	2
	Second Year	1	—	1
(ii)	Jyotish Shastra			
	First Year	—	—	—
	Second Year	—	—	—
(iii)	Sahitya Shastra			
	First Year	—	—	—
	Second Year	—	—	—
(iv)	Dharma Shastra			
	First Year	1	—	1
	Second Year	1	—	1
	Total:	5	—	5
(5) *Vachaspati*		2	—	2
	Grand Total:	83	7	90

5. Staff

During the year the staff of the institution consisted of the Principal, 12 Adhyapakas, 2 Class III and 4 Class IV Servants.

6. Library

The institution has a small library and a reading-room. The following are the figures showing average daily attendance in the reading-room and the circulation of books.

Sr. No.	*Particulars*	*Number*
(1)	Average number of students making use of the reading-room	65
(2)	Average number of teachers making use of the library and the reading-room daily	13
(3)	Total number of books issued to teachers during the year	400

The following figures show the stock and the expenditure on the maintenance of the library and reading-room during the year:

Sr. No.	*Particulars*	*Number*	*Cost in Rs.*
(1)	Books (including back numbers of journals) as on 1-4-62	3626	12,374=11
(2)	Books written off during the year	—	—
(3)	Books added during the year	115	935=99
(4)	Books as on 31-3-1963	3741	13,310=10
(5)	Journals subscribed during the year	12	86=25
(6)	Amount spent on binding during the year	48	85=75
(7)	Total amount spent for the library and reading-room during the year	—	494=12

7. Publications by the members of the staff

Articles or papers:

Name of the Contributor	*Title*	*Where published or read*
Shri H. C. Mehta, Principal, Sanskrit Mahavidyalaya, Baroda	(i) Mahakavi Kalidasani Upamao—Ist Part	Shri Navabharati, Dwarka, September, 1962
	(ii) Mahakavi Kalidasani Upamao—IInd Part	Shri Navabharati, Dwarka, October, 1962
	Present position of Sanskrit in India (A Lecture—delivered as a Chairman of the reception committee at the yearly session of the Sanskrit Vidvad Sabha, Baroda)	'Saraswati Saurabh'

8. Literary, Cultural and other Activities

(1) *Extension Lectures*:

The Institute arranged 9 lectures under the auspices of the Sharadopasak Mandal, two under the Extra Mural Grant of the University and six popular lectures by the members of the staff of the institute during the year.

(2) *Jayantis*:

The Institute celebrated the Jayantis of Valmiki, Shanker and Vyas on the 13th April, 8th May and the 17th July, 1962 respectively. It also arranged a symposium on Mahakavi Kalidasa under the Chairmanship of Pro-Vice-Chancellor, Dr. C. S. Patel, on 8th October, 1962.

9 Co-curricular Activities

(1) *Educational Tour*:

12 students of the Shastri and Acharya courses went on an educational tour to Mathura, Allahabad, Varanasi and Sarnath in the month of October, 1962.

(2) *Excursion*:

Students of the Pratham Kaksha and Madhyama Kakshas of the institution went on an excursion tour to Poona, Bangalore etc. in the month of October, 1962.

(3) *Sanskrit Kavisammelan*:

A Sanskrit Kavisammelan was organised in the institution on the 3rd February, 1963, under the presidentship of Pt. Shri Kedarnath Oza

of the Govt. Sanskrit College, Patna. A number of leading Sanskrit poets of Baroda participated in the Kavisammelan.

(4) Elocution Competition :

The institution arranged an elocution competition in Sanskrit for the award of the Shri Abhinav Sacchidanandaji Tirthaji Maharaj of Dwarka Shardapeeth silver medal on the 15th February, 1963. Shri U. H. Shukla of the Shastri first year class in Vyakaran Shastra was awarded the silver medal.

(5) Training in Dialectics:

The institution arranged debates, general knowledge tests and Shastra Charcha in Sanskrit by students and the Adhyapakas on every Friday with a view to giving training to the students in the art of dialectics in Sanskrit.

10. Other Important Events

(1) Award of Government of India Scholarship:

Shri Amritlal M. Purchit of this institution has been selected for the award of a scholarship of Rs. 150 p.m. tenable for two years under the Govt. of India research scholarships scheme to the products of traditional Sanskrit Pathashalas.

(2) The Annual Prize Distribution:

The institution celebrated the prize distribution ceremony for the award of diploma certificates, medals and prizes on 19th March, 1963.

(3) Donations:

The institution received a donation of Rs. 501 for meals to the hostel students and Rs. 500/- in two instalments from Shri Hansraj Pragji Thakersey Education Trust, Bombay, for the purpose of giving scholarships to successful students in the terminal examination.

(4) Additional facility to the Visharadas of the institution:

The Gujarat S.S.C. Examination Board has now decided to permit the candidates passing the Madhyama Kaksha examination (*i.e.* Visharad examination as regular students of the Baroda Sanskrit Mahavidyalaya) to appear for the S.S.C. examination as private candidates subject to rule 5 (ii) of the instructions for the private candidates through any recognised high school in the State.

(5) Visits:

A number of Visitors came to the Institution during the year.

CHAPTER XXI—PREPARATORY UNIT

1. Brief History

The Intermediate College was started by the University in June, 1950. Till 1954-55 the college had First Year and Intermediate classes in Arts and Commerce. The introduction of the Three Year Degree course in June 1957 in the Faculties of Arts, Science and Commerce necessitated the discontinuation of the Intermediate Classes and the Intermediate College comprised of the Preparatory Arts, Science and Commerce classes from June, 1958. From June, 1960, the Institution was designated as the Preparatory Unit.

2. Building

During the year under report, the office of the Preparatory Unit was shifted to the new General Education Building. The Unit has no separate building of its own. Classes are held in the rooms of the Faculties of Arts and Science by suitable adjustment in the time-tables of the institutions. The Preparatory Science Classes use the laboratories of the Faculty of Science.

3. Courses of Studies

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

4. Number of Students

The number of students enrolled in the different classes at the commencement of the year 1962-63 was as under:

Classes	*Men*	*Women*	*Total*
Preparatory Course in Arts	252	263	515
Preparatory Course in Science	530	87	617
Preparatory Course in Commerce	455	15	470
	1,237	365	1,602

5. Staff

There are in the staff of the Unit a Principal, 7 Class III and 11 Class IV Class Servants. The teaching work is shared by the teachers of the Faculties of Arts, Science, Commerce and the Department of General Education. About 80 teachers from the various departments participat-

ed in Preparatory work from 2 to 4 periods per week. The special feature of the Preparatory work this year was the preparation of special exercises and reading material for improving the standards of English teaching. The reading material has proved very useful and is being revised for use next year.

6. Library

Under the University scheme of amalgamation of libraries of institutions situated in the Baroda College area, the library of this Unit was amalgamated with the main University Library. New books are being added every year to the tune of Rs. 2,000. Books are selected particularly suited to the capacity of the Preparatory students in English, Languages, Social Studies and General Science. Some periodicals are being supplied for the teachers' common room by the University Library.

7. Co-curricular Activities

(1) *A.C.C., N.C.C. and Sports*:

Three students of the Preparatory Unit were selected to represent the University team in the Inter-University Football Tournament held at Waltair in September, 1962.

One lady student of Preparatory Arts Class was selected to represent our University team in the Inter-University Table-Tennis (Women) held at Aurangabad on the 5th October, 1062.

(2) *Debates*:

Students of the Unit participated in the Inter-Faculty Debate organised by the M. S. University Union throughout the year including the Debate held during the Inter-Faculty Youth Festival. The Unit Association arranged debates in which quite a large number of students took part.

(3) *Cultural Programmes*:

The Unit Association arranged Social evenings for the students of Preparatory Arts, Science and Commerce on the 27th September, 1962, 31st January, 1963 and the 14th February, 1963 respectively in the Central Hall of the Baroda College Building. The programmes were well attended by the students and staff members of the respective classes. The programmes consisted variety entertainment items like Garba, Dance, Instrumental and Vocal Music and Songs. The Geography Association showed educational films and held the social break-up during the year. The Marathi Association arranged debates.

(4) *Tours*:

The Geography Association of the Unit organised a tour to Mysore, Bangalore, Madras from the 13th to the 27th October, 1962. The tour proved a good training in self-reliance and community life, besides knowledge of the country and the people.

8. Other Important Events

(1) *Orientation*:

This year also an orientation programme was arranged for the students of the Preparatory Arts, Science and Commerce Classes. During the orientation programme the students were introduced to the facilities of the University Campus, Courses of studies, Counselling Centre, etc.

(2) *Career Conference*:

Under the joint auspices of the Preparatory Unit and Counselling Centre, a Career Conference consisting of eight talks on different subjects by senior members of the staff and others was arranged for the students of Preparatory Arts, Science and Commerce Classes from the 28th January to the 5th February, 1963 in the Central Hall of the Baroda College Building. The talk was for about 45 minutes. The last ten minutes were reserved for questions.

(3) *National Defence*:

In the meeting of the Executive Committee and other Representatives of the Preparatory Classes held on the 16th November, 1962, it was discussed and decided that every student of the Preparatory Unit must make his own contribution to the Nation's efforts for fighting the war thrust upon us. The students cannot help with money so much because they do not earn; but they can save something from their pocket money and contribute to the Defence Fund. The most important contribution of the students however should be in the form of Service and Training. Every able-bodied student must join the N.C.C. or N.C.C. Rifle and must be ready to take the training or Nursing or First Aid or help with the donation of blood when the need arises. The students of the Preparatory Unit contributed in all to National Defence Fund Rs. 1,025=03 np. Some of the lady students knitted and presented some pairs of socks for our Jawans fighting on the front.

CHAPTER XXII—POLYTECHNIC

1. Brief History

The Polytechnic was started in June, 1957 under the Expansion Scheme of Degree and Diploma Courses in Civil, Mechanical and Electrical Engineering of the Government of India under the Second Five Year Plan. The institution imparts instruction for Diploma courses in Civil, Mechanical and Electrical Engineering, each of three years' duration. Prior to the establishment of this institution these courses were conducted at the Faculty of Technology and Engineering, M. S. University of Baroda. The strength of total admission then was only 180 as against the present strength of 300. The syllabi of these courses are practically the same as those of the corresponding courses conducted by the Department of Technical Education of the Gujarat State.

As regards finance, the University Grants Commission met the Non-Recurring expenditure on the building, equipment and books to the tune of Rs. 13,40,000, Rs. 10,62,000 and Rs. 20,000 respectively. They also bore 100% recurring expenditure during 1957-58, 80% in the year 1958-59 and 50% in the subsequent years, the balance being borne by the State Government. The Government of India also gave a loan of Rs. 18,52,500 for the construction of three hostels for the Polytechnic to accommodate 450 students.

2. Building

The Polytechnic is accommodated in its new building near Nizampura. Three hostels have been also constructed and are fully occupied.

3. Courses of Studies

The Polytechnic offers the following Diploma Courses in Engineering :

	Name of the Course	*Duration of Course*	*Sanctioned number of admissions*
1	Diploma in Civil Engineering	3 years	180
2	Diploma in Mechanical Engineering	3 years	60
3	Diploma in Electrical Engineering	3 years	60

4. Number of Students

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

		Men	*Women*	*Total*
1	*First Year Diploma*			
	(i) Civil Engineering	150	—	150
	(ii) Mechanical Engineering	89	—	89
	(iii) Electrical Engineering	91	—	91
	Total	330	—	330
2	*Second Year Diploma*			
	(i) Civil Engineering	76	1	77
	(ii) Mechanical Engineering	84	—	84
	(iii) Electrical Engineering	84	—	84
	Total	244	1	245
3	*Third Year i.e. Final Year Diploma*			
	(i) Civil Engineering	60	—	60
	(ii) Mechanical Engineering	122	1	123
	(iii) Electrical Engineering	107	2	109
	Total	289	3	292
	Grand Total	863	4	867

5 Staff

During the year under report the staff of the Polytechnic consisted of 1 Principal, 2 Professors, 2 Readers, 16 Lecturers, 37 Demonstrators, 45 Class III and 51 Class IV servants.

6. Library

(*A*) *Acquisition Notes* :

(1) Books : The books and periodicals worth Rs. 11,579=55 nP. were purchased from the recurring grant. The following statement gives the details of acquisition of Polytechnic Library during the year :

Items at the beginning of the year	*Books including periodicals*	*Pamphlets*	*Manuscripts, Maps etc.*	*Total value in Rs.*
Books at the beginning of the year	4,259	—	—	75,475=68
Books added during the year	956	—	—	11,579=55
	5,215	—	—	87,055=23
Books withdrawn from the record	5	—	—	86=25
	5,210	—	—	86,968=98

(2) Periodicals: The total number of periodicals and journals subscribed for, now comes to 51 at the cost of Rs. 1,818=44. Bound volumes were added to the stock of Books during the year.

(B) Circulation of Books etc.

The library remains open from 11 a.m. to 5-30 p.m. on all working days except Sundays and Holidays.

The number of readers registered are as under :

(i)	Students	731
(ii)	Teachers	134
	Total	865

The statistics of the library use are given as under:

(i)	Daily average number of readers making use of the library	50
(ii)	Daily average number of books issued to readers for home-reading	28

7. Laboratories and Workshops etc.

Out of Rs. 10,82,000 sanctioned by the University Grants Commission for equipment, furniture and books, Rs. 67,214=68 has been spent during the year under report and the total amount spent from this grant upto the end of year is Rs. 10,39,012=75. The following table gives the total amount sanctioned and the amount actually spent upto the end of the year for the purchase of equipment, furniture and books for various laboratories, shops and library of the Polytechnic.

Sr. No.	*Name of the Laboratory/shop*	*Amount sanctioned by the University Grants Commission* Rs.	*Total amount spent upto 31-3-1963* Rs.
1	Physics Laboratory	54,000=00	38,094=28
2	Chemistry Laboratory		
3	Applied Mechanics Laboratory	18,000=00	12,377=40
4	Strength of Materials Laboratory	60,000=00	56,115=59
5	C.E. & R.C.C. Laboratory	11,800=00	12,086=95
6	Surveying Instruments	86,800=00	73,997=50
7	Heat Engines Laboratory	1,42,000=00	1,07,378=23
8	Hydraulics Laboratory	70,000=00	48,802=72
9	Electrical Engineering Laboratory	2,11,000=00	2,11,676=02
10	Electronics Laboratory	23,500=00	28,155=31

Sr. No.	*Name of the Laboratory/shop*	*Amount sanctioned by the University Grants Commission* Rs.	*Total amount spent upto 31-3-1963* Rs.
11 (a)	Workshop-Equipment		
	(i) Carpentry Shop	33,000=00	22,770=00
	(ii) Fitting Shop	38,600=00	14,434=18
	(iii) Machine Shop	1,38,700=00	1,86,606=13
	(iv) Smithy Shop	22,000=00	21,080=94
	(v) Foundry Shop and Moulding	15,000=00	14,249=53
	(vi) Welding Shop	10,000=00	5,331=04
	(vii) Tin Smithy Shop	5,000=00	6,312=34
	(viii) Masonary and Plumbing Shop	5,000=00	2,212=29
	(ix) Drawing Materials	4,000=00	—
(b)	Erection charges for equipment of the various shops	—	36,191=59
12	Models and materials for models	7,000=00	5,186=76
13	Audio-Visual Equipment	9,100=00	5,187=89
14	Furniture	1,00,000=00	1,00,766=72
15	Books	20,000=00	29,996=72
	Totol	10,82,000=00	10,39,012=75

Orders worth Rs. 42,987=25 for various equipments, etc. have already been placed.

8. Literary, Cultural and Other Activities

The students formed their association during the year. The Association arranged lectures and talks on various subject of general interest by prominent persons for the benefit of students and staff, Students of the Final Year Diploma classes took part in Seminars. Students prepared and read papers on a selected theme relating to the subjects of their study and actively participated in the discussions. The teachers of the Polytechnic took keen interest in the various activities of students.

On account of the national emergency, the Polytechnic Annual Day and other activities were dropped and the Executive Committee of the Students Association contributed Rs. 1,001/- towards the National Defence Fund. Besides, the students and staff members contributed to the National Defence Fund.

9. Co-curricular Activities

(1) Excursions and Tours :

The final year students of Civil, Mechanical and Electrical Engineering classes accompanied by teachers, went on an education tour during the mid-year vacation to various places of particular interest in their respective branches of study.

(2) Exhibition of Educational Films :

The Polytechnic has one 16 mm Bell and Howell Sound Film Projector and one Epidiascope for screening films and filmstrips and slides as well. The film-shows were arranged to supplement classroom teaching to promote the general knowledge of students. In all about eleven film-shows were arranged during the year under the Audio-Visual programme.

(3) Co-operative Store :

The working of this store was carried jointly with Faculty of Technology and Engineering. The articles for the normal use of an engineering student were available at reasonable prices. The articles were available to students at prices fifty percent below the market price.

10. Tutorial and Class Work

Attendance at the Terminal Examination, tutorials and tests is compulsory. The system of giving credit upto twenty percent marks for theory papers, tutorials and tests done during the term has been adopted. Regular records of class-work and periodicals tests of students are maintained. In deciding the results of Annual Examinations conducted by the University the marks obtained by the students in their terminal examination, tutorials, class-work tests are taken into account.

CHAPTER XXIII—SHRIMATI HANSA MEHTA LIBRARY

1. Brief History

The University Library was started in the year 1950 in the old building near the University Office. The University Grants Commission and the Government of Bombay sanctioned a grant of Rs. 10,00,000 for building and Rs. 79,225 for special furniture and equipment. The new building was constructed at a cost of Rs. 12,39,920. The University Library was shifted to the new building in June 1957 and the libraries of the Faculties of Arts, Science, Education and Psychology, Commerce and the Preparatory Unit were taken over. A panel of sculpture in cement has been executed by the Faculty of Fine Arts, on the front facade of the new building. The library also provides instruction in a course leading to the Post-graduate Diploma in Library Science.

2. Acquisition Notes

(1) Books :

The second instalment of Rs. 60,000 (Rs. 30,000 for books on Humanities and Social Sciences and Rs. 30,000 for books on Scientific subjects) out of Rs. 3,00,000 approved by the University Grants Commission for the purchase of books and journals during the Third Five Year Plan period was received during the year. In addition to this the following grants were approved by the University Grants Commission for books for various departments for the Third Five Year Plan.

	Rs.
Humanities and Social Sciences Departments :	
Economics	5,000
English	2,500
Hindi	500
Law	10,000
Sanskrit	5,000
Science Departments :	
Botany	5,000
Biochemistry	7,000
Chemistry	7,500
Geography	5,000
Physics	7,500
Geology	25,000
Mathematics	25,000
Statistics	5,000
Zoology	5,000

The Library also received as usual a grant of Rs. 30,000 from the University for the purchase of books and periodicals and the grant has been fully utilized.

There have been some noteworthy additions during the year *viz.*, The Encyclopaedic Dictionary of Physics ed. by J. Thewlis, Vols. 4-6; Proceedings of the Fourth Berkely Symposium on Mathematical Statistics and Probability ed. by J. Neyman, 4 Vols. Biology and Comparative Physiology of Birds ed. by A. J. Marshall, 2 Vols. McGraw-Hill Year-book of Science and Technology, 1962; Junior World Encyclopaedia ed. by M. D. Charter and others; Biochemists' Handbook ed. by Cyril Long; World Survey of Education by Unesco; Kalhana's Rajatarangini tr. by A. M. Stein, 2 Vols; Vedic Index of Names and Subjects by A. M. MacDonell and A. B. Keith, 2 Vols. World who's who in Commerce and Industry, 12th ed., 1961; McGraw-Hill Encyclopaedia of Russia and Soviet Union ed. by M. Florinsky; All India Reporter, Vols. 37-48; Modern Chemical Processes, 5 Vols.; British National Bibliography, Annual Volume, 1961; The A. I. R Manual, Vols. 1-16; Fifty Years' Digest, 1901,-1950, Vols. 1-14; The Early History of Deccan ed. by G. Yazdani, Pts. 1-11; Comprehensive Biochemistry ed. by M. Florkin, 4 Vols.; The Reference Catalogue of Current Literature 1961, 2 Vols.; International Law Opinions by L. McNair, 3 Vols.; Library of Congress National Union Catalogues, 1958, 5 Vols.; Progress in Metal Physics ed. by B. Chalmers, Vols. 1-8.

The number of acquisitions in the various institutions of the University are as follows:

Institution	*Number of Books*
Shrimati Hansa Mehta Library (which includes the books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law and the Preparatory Unit)	7,900
Faculty of Technology and Engineering	2,597
Faculty of Fine Arts	297
Faculty of Home Science	2,608
Chetan Balwadi	53
Faculty of Social Work	372
College of Indian Music, Dance and Dramatics	338
Oriental Institute (Printed Section)	790
Polytechnic	956
Sanskrit Mahavidyalaya	121
Total	16,032

Out of these books, 2,241 were received as gift.

The following statement gives the details of the book stock of Shrimati Hansa Mehta Library during the year :

	Books	*Bound volumes of periodicals*	*Pamphlets*	*Manuscripts*	*Maps, charts etc.*	*Total Value in Rupees*
Number at the beginning of the year	1,71,830	15,836	7,261	155	652	23,93,443=55
Number added during the year	7,900	2,593	740	58	20	1,85,392=96
Number withdrawn from the records	—	—	—	—	—	—
Number remaining at the end of the year	1,79,370	18,429	8,001	213	672	25,78,836=51

(2) Periodicals :

The total number of periodicals and scholarly journals subscribed to now stands at 1,127 ; 2,593 volumes of periodicals bound were added to the stock during the year.

3. Cataloguing

The activity of the Cataloguing Section is reflected in the following statistics:

(A) Books classified and catalogued during the year :

(1) New accession in Shrimati Hansa Mehta Library	7,900
(2) New accessions in the Faculties	8,132
Total	16,032

(*B*) The other details of the work of the section incidental to the above are as follows:

	Shrimati Hansa Mehta Library	*Faculties*	*Total*
(1) Cards typed	19,750	36,594	56,344
(2) Cards filed in the Catalogue	19,750	36,594	56,344

4 Circulation of Books, etc.

As usual the working hours of the library for the whole academic year *i.e.,* from April 1962 to March 1963 (except for the months of May and June) were from 8-00 a.m. to 10-00 p.m. It also remained open on almost all Sundays and Holidays during the academic year. In the months of May and June 1962 the library remained open for twelve hours a day *i.e.,* from 8-00 a.m. to 8-00 p.m.

The number of registered readers in various categories was as follows:

(1)	Post-graduate students	1,094
(2)	Under-graduate students	6,072
(3)	Research students, scholars and assistants.	80
(4)	University teachers	685
(5)	Others	484
	Total	8,415

The statistics of the use of the library are given below:

(1)	Daily average number of the readers visiting the library	2,000
(2)	Total number of books issued per day for reading	1,191
	(a) Average number of books issued per day for home-reading	348
	(b) Average number of books issued per day from Curricular Section	675
	(c) Average number of books issued per day for reference	168
(3)	Average number of books issued per reader in the year	41

5. Reference Section

(1) Exhibitions :

This year the Reference Section organised five exhibitions of noteworthy books on (a) The Indian Heritage, (b) Museum Catalogues on Art in Netherlands, (c) Defence and Warfare, (d) Indo-China Border Problem and (e) Our Third Five Year Plan.

(2) Bibliographical Activity :

The following bibliographies were compiled during the year in response to request from readers:

(a) Tribes and tribal welfare in India
(b) On planning and design of various types of buildings
(c) Text-Books in Gujarati language in Smt. Hansa Mehta Library
(d) American history
(e) Food values of mangoes
(f) Sanskrit MSS. Catalogues
(g) Doctoral theses in Science in Smt. Hansa Mehta Library
(h) Articles on Gujarat State published in different issues of the Journal of the M. S. University of Baroda and Journal of the Oriental Institute, Baroda
(i) Translations of 'Les Miserables' in different Indian languages.

The Library also prepared a bibliography on 'General Education' and a bibliography of 'Useful Literature for the Teachers of General Education' at the request of the University Grants Commission.

6. Teaching of Library Science

Fourteen students were admitted in the course this year and all of them appeared at the examination.

CHAPTER XXIV—THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA PRESS

1. Brief History

The University took over the Sadhana Press at Baroda on the 18th May, 1953 at a total cost of Rs. 73,000 from M/s. International Book House (Private) Ltd., Bombay and renamed it " The Maharaja Sayajirao University of Baroda Press ". The University Press is housed in a building specially constructed at a cost of Rs. 3,60,000. The addition of a staircase on the west of the building has been made to provide a separate entrance to the S. S. C. E. Board Office. A Hall for monotype is under construction adjoining the confidential printing section with a joining corridor.

2. Staff

During the year, the staff of the Press consisted of a Manager, a Deputy Press Manager, a Senior Clerk Accounts-cum-store-keeper, one Proof-reader, two Assistant Proof-readers and a clerk. There are 37 permanent workers in the Press.

3. Machinery

The Press has machinery worth about Rs. 1,91,412 including machines purchased from the grant of the University Grants Commission. The new machinery purchased out of the grant of Rs. 1,19,350 has been installed and fully put to use since 1961-62.

4. Printing Activities

During the year 729 plus 127 examination papers were printed under conditions of secrecy for the University Examinations. The Press also printed Syndicate and Senate Proceedings, Hand-book, Annual Reports, Annual Accounts, Budget Estimates, Establishment Lists, Pamphlets, Certificates, General forms, Lists, Prospectus, Questionnaires, Magazines, etc. of the Faculties and Institutions.

(1) The following is the list of books printed and published by the University Press during the year :

Empirical studies in Examination	M. S. University of Baroda
Bibliography of Stageable Plays in Indian Languages	M. S. University of Baroda

Hand-book Part III (Education and Psychology)	M. S. University of Baroda
Hand-book Part III (Commerce)	M. S. University of Baroda
Hand-book Part III (Technology and Engineering)	M. S. University of Baroda
Annual Report	Department of Gujarati, Faculty of Arts
पंचाख्यान बालावबोध	Department of Archaeology
Professor Zeuner's Lectures	Statistical Service Unit
Wastage and Stagnation Report in Faculty of Medicine	Faculty of Education and Psychology
समाजविद्या तरफ एक नवो दृष्टिकोण	Faculty of Education and Psychology
Standardization of Mathematical Ability Test	Faculty of Education and Psychology
Research Abstract	Department of Extension Service
Science Club—A Report	Department of Extension Service
विज्ञान मेळो—A Report	Department of Extension Service
Planning of Activities in General Science—A Report	Faculty of Commerce
Transport Situation in India	Faculty of Technology and Engineering
A study of Tension Variation while unwinding waste Bobbins	Tairo
Materials Handling in Textile Mills	Department of Museology
Art in Museum	Chetan Balwadi
तमारा बाळकोने जातीय ज्ञान केवी रीते आपशो ?	Chetan Balwadi
तमारा बाळको माटे अवनवी वानगीओ	Chetan Balwadi
तमारा बाळकोमां शिस्तपालन केवी रीते केळवशो ?	Faculty of Social Work
Report of Faculty Alumni Seminar—1962	Preparatory Unit
चयनिका	Oriental Institute
प्रमाणशास्त्र	Oriental Institute
त्रिषष्टिशलाका—Vol. V	Oriental Institute
त्रिषष्टिशलाका—Vol. VI	Oriental Institute
कै. राजरत्न प्रो. माणिकरावजी यांच्या जीवनचरित्रांतील कांहीं प्रसंग	Oriental Institute
Lexicographical Studies in Jain Sanskrit	Oriental Institute
अंबिका, कोटेश्वर अने कुंभारीआ	Oriental Institute
ऐतिहासिक लेखसंग्रह	

नृत्याध्याय	Oriental Institute
धूर्तस्वामीभाष्य—Vol. II	Oriental Institute
कैलास	Oriental Institute
Ramayana Cr. Edition—Vol. II, Ayodhyakanda	Ramayana Department

(2) The following Journals were printed during the year:

The Journal of Maharaja Sayajirao University (Science, Humanities and Social Sciences)

The Journal of Animal Morphology and Physiology (Half Yearly)

The Journal of Oriental Institute (Quarterly)

The Journal of Association of Principals of Technical Institutions, India (Quarterly)

The Education and Psychology Review (Quarterly)

(3) The following works are in progress:

Hand-book Part IV	M. S. University of Baroda
श्रवणाख्यान	Faculty of Arts
अखानी बानी (अक्षयरसराज)	Faculty of Arts
काव्य प्रभाकर	Faculty of Arts
Lecture by Satyamurti	Department of Museology
आग्राघराणाकी चीजें	College of Indian Music, Dance and Dramatics
Social Changes and College Students of Gujarat	Department of Sociology
नाट्यशास्त्र—Vol. IV	Oriental Institute
हरिभद्रसूरि	Oriental Institute
Pad-Index of Ramayana II	Oriental Institute
आनंदमीमांसा	Oriental Institute
Catalogue of Palm-leaf II	Oriental Institute
रसकौमुदी	Oriental Institute
रामशतक	Oriental Institute
समाजशिक्षण	Oriental Institute
भागवत समश्लोकी	Oriental Institute
Matsyapurana	Oriental Institute
Ancient Indian Colonization	Oriental Institute
Ramayana—Critical Edition of Aranyakanda	Ramayana Department

6. University Stationery Unit

This Unit is a service department of the University and is under the supervision and control of the University Press Manager. It purchases and distributes Stationery every quarter to all the Faculties, Institutions and the University Office. A special Staff—one Senior Clerk, one Stationery Stock Assistant and one Stationery Distributor—is provided for this Unit under the Press Manager. During the year stationery worth Rs. 1,01,341 was purchased and stationery worth Rs. 1,09,927 was distributed. A 3-wheels Lambretta chassis has been purchased for distribution work.

7. University Publication Sales Unit

This Unit was started in November-December 1959, under control and supervision of the University Press Manager. The establishment consists of a Senior Clerk, a Clerk and an outdoor-work Assistant/Attendant. The Unit took over the stock of books from the Oriental Institute and from some Faculties. It is working as the book-shop for University publications. The total sale of books during the year was Rs. 50,041.

CHAPTER XXV—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

The Maharaja Sayajirao University Students' Union embodies the creative functions of residential University life, reflecting the corporate spirit in a co-operative endeavour. It is a body devoted to cultural and constructive programmes. The students of the University, irrespective of their diverse academic pursuits imbibe the feeling of organic unity and a sense of belonging.

When the academic year 1962-63 opened Professor N. S. Pandya was appointed President of the Union in place of Shrimati Indira Bhanot who had worked for two years. Shri K. K. Thakore took the charge of Treasurership from Professor N. S. Pandya.

As usual, elections were held on 21st July, 1962 and the results were declared on 23rd July, 1962. The following Executive Committee was formed for the year 1962-63 :

1.	Professor N. S. Pandya	President
2.	Shri K. K. Thakore	Treasurer
3.	Shri R. C. Patel	Vice-President
4.	Shri V. D. Patel	General Secretary
5.	Shrimati Sarlaben Mehta	Members nominated by the Syndicate
6.	Shri Arvind M. Kothari	
7.	Kumari Meeta Desai	
8.	Shri S. G. Pitroda	

In addition to the above there were other 21 members who were the representatives of different Faculties and teaching Institutions of the University.

The following members were deputed to the University Students Welfare Board, University Board of Sports and University Poor Students' Aid Fund Committee :

(1)	University Students Welfare Board	(1) Shri R. C. Patel
		(2) Shri V. D. Patel
		(3) Shri Mohmed H. Patel
(2)	University Board of Sports	(1) Shri R. C. Patel
		(2) Shri H. B. Marwah
(3)	University Poor Students Aid Fund Committee	(1) Shri V. D. Patel
		(2) Shri J. I. Saiyed
		(3) Shri Mahendra R. Patel

2. Activities of the Sub-Committees

The M. S. University Union Executive Committee formed Sub-Committees for various Union activities keeping in view the aims and objects laid down in the Constitution of the Union. The Sub-Committees started their activities very earnestly but due to the Chinese aggression and the National emergency most of the cultural activities were affected in the second term. The students played an important role in collecting funds, etc. proving that the Union is not only a cultural body devoted to cultural programmes but also to constructive programmes. The following activities went on steadily throughout the year.

(1) *Debating Society :*

This year the Debating Society arranged eight debates including all trophy debates and Inter-Hostel Debate. The debates were successfully arranged by the Society. Shri P. A. Ranchhod, participated in the Inter-University Debate at Meerut and won the first prize in the debate.

(2) *Indoor Games* :

As usual Badminton and Table-Tennis Tournaments were arranged in which students participated with keen interest.

(3) *Reading Room and Library* :

The Committee decided to purchase books on sports, hygiene etc. over and above novels. It added four to five new magazines in the library. The scheme of giving students the use of the Reading Room in the Union Building was also continued this year. Daily 200 students took the advantage of the facility during the annual examinations period.

(4) *Poor Boys Library* :

The library carried on the work of issuing the books to deserving and poor students. Books worth Rs. 5,000 were purchased. About 450 students took advantage of this library.

(5) *Discussion Group* :

This year the Group arranged discussions on different subjects like 'Films', 'Modern College Girl', 'Chinese Aggression—its Social, Economical and Military Implications', 'Love-Marriage and Divorce', and 'Woman

is the root cause of all evils'. Eminent speakers and members of the staff of the University were invited to participate in the discussions.

(6) *U.N.O. Society*:

The U.N.O. Society celebrated the U. N. Day and Human Rights Day with a lecture and discussion on U N. activities and Human Rights Day.

(7) *Hiking Club*:

This year the Hiking Club planned a hike to Kulu Valley but due to lack of entries the hike was cancelled. A grant of Rs. 1300 was sanctioned for the purpose.

(8) *Social Service League and Students Service Committee*:

Both the Committees gave old magazines and periodicals to the patients of S.S.G. Hospital and pictorial magazines to Child patients. They collected funds for Teachers Day, Flag-Day and for T.B. Seals. The Committee members were helpful in securing blood donations for patients.

(9) *Bulletin Committee*:

The Bulletin Committee published one issue of the Union Bulletin containing a few articles on National Emergency and Students' Duty in National Emergency.

(10) *Entertainment Committee*:

The Entertainment Committee arranged a programme in the first term at the Faculty of Technology Auditorium. On the 15th and the 16th February, 1963, two shows consisting of two one-act plays and dances were given in aid of National Defence Fund. An amount of Rs. 573 was contributed to the Fund.

(11) *Tours*:

A tour to North India including Kashmir was undertaken by the Union and 130 students (boys and girls) accompanied the tour. They visited nearly 15 important places of interest including 3 hill stations *viz.*, Simla, Massoorie and Dehradun. A sum of Rs. 350 was given as donation to the National Defence Fund to Col. Vikramsingh, Jammu and Kashmir on the first call of our Prime Minister Jawaharlal Nehru.

3. University Week

The Union did not celebrate University Week this year and instead contributed an amount of Rs. 1000 to the National Defence Fund in the month of December, 1962.

4. Other Important Events

(1) American Students Delegates (U.C.L.A.), Australian Students Delegates and the Sarvodaya Leader Shri Jayaprakash Narayan visited the Union. Lectures were also arranged in the Baroda College Central Hall.

(2) Shri Ramesh C. Patel, Vice-President of the Union was elected as President of the National Council of University Students of India.

CHAPTER XXVI—LECTURES AND DEPUTATIONS

1 University Extension and other Lectures

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

S.No.	Date	Name of the Lecturer	Subject
		FACULTY OF ARTS	
1	4-10-1962 5-10-1962	Dr. Gaurinath Shastri, M.A., D.Litt., Principal, Government Sanskrit College, Calcutta	'Bengal's Contribution to the Nyaya-System'
2	21-1-1963	Prof. B. Lott, Central Institute of English, Hyderabad (A.P.)	'Teaching language (English) through literature'
		FACULTY OF SCIENCE	
3	14-9-1962	Prof. D. Chakrabarty Ghosh, Professor of Chemistry, University of Calcutta	University Education in India
4	27-9-1962 28-9-1962 29-9-1962	Prof. S. N. Roy, Professor of Statistics, University of North Carolina, U.S.A.	Advanced Statistics
5	28-9-1962	(Mrs.) Kamala Sohoni, Prof. of Biochemistry, Institute of Sciences, Bombay	Haemoglutimins
6	1-10-1962	Shri M. A. Rashid, Forest Utilization Officer, Baroda	Sewage Purification
7	14-11-1962	Dr. S. C. Pillai, Lecturer in Sanitation Biochemistry, Indian Institute of Bangalore	Forest products of Gujarat
8	17-11-1962	Dr. V. Subramanyan, Director, Central Food Technological Research Institute, Mysore	Place of food technology in combating hunger and malnutrition
9	18-1-1963	Shri J. H. Desai, Pool Officer, C.S.I.R., New Delhi	America through the eyes of a Biologist
10	12-1-1963	Prof. R. A. Morton, Head, Biochemistry Dept., Liverpool Univ.	Quinones in Bio-chemistry

S.No.	Date	Name of the Lecturer	Subject
11	28-1-1963	Dr. T. S. Mahabale, Prof. of Botany, Poona University, Poona	A Botanist's Report on Russia
12	31-1-1963 1-2-1963	Dr. S. C. Jain, Assistant Director, National Physical Laboratory, New Delhi	Imperfections in crystals and optical properties of solids
13	21-2-1963	Dr. La Fond, Oceanographer, U. S. Navy Department	Oceanography
14	1-3-1963	Prof. J. V. Bhat, Indian Institute of Science, Bangalore	
15	3-3-1963	Dr. Bhavsar, Physical Research Laboratory, Ahmedabad	Solar Protons
16	3-3-1963	Dr. A. R. Patel, Dean, Faculty of Science, Vallabh Vidyapeeth, Anand	Etching of Diamond
		FACULTY OF FINE ARTS	
17	16-11-1962 17-11-1962	Shri Laxman Pai, Well-known Indian Artist of International repute	Demonstration Lectures
18	7-12-1962 8-12-1962	Shri Manu Desai, Well-known Artist in the field of Advertising Design	Lecture-Demonstrations
19	25-1-1963	Prof. C. K. Gairola	Great Stupa Sanchi
20	8-2-1963 9-2-1963	Shri Somnath Hare Well-known Graphic Artist	Demonstration Lectures
21	17-3-1963 18-3-1963	Shri Jogman Sakhya Bans, of Master Craftsman and Traditional Sculpture from Nepal	Demonstration of the Nepalese process of Bronze-casting
		FACULTY OF HOME SCIENCE	
22	3-12-1962	Dr. Ercfl S. Eppright, Asstt. Dean, College of Home Economics and Asstt. Director, Agriculture and Home Economics Experiment Station, Iowa State University	Nutrition in National Defence
		MUSEOLOGY DEPARTMENT	
23	17-8-1962 18-8-1962	Dr. Sathyaprakash Srivastava, Director of Archaeology and Museums, Rajasthan	(1) History of Museum Movement in the world

S.No.	Date	Name of the Lecturer	Subject
			(2) Types of Museums—their functions and purposes
24	17-8-1962	Shri S. R. Desai, Assistant Geologist to the Government of Gujarat	Minerals and People's World
25	14-9-1962	Dr. Prabha Sahasrabuddhe, Director, National Children's Museum	(1) A Children's Museum for India: its roles and responsibilities towards children and towards education in India
	15-9-1962		(2) Children's Museum: Collections, exhibition and display, group in museum activities for Children Extension Services, staff, buildings, furniture, publicity and publications.
		SMT. HANSA MEHTA LIBRARY	
26	6-12-1962 7-12-1962	Principal D. R. Mankad, renowned research-scholar and literary critic	The twelve Devasurasangrams
		ORIENTAL INSTITUTE	
27	12-12-1962	Shri Kalyanrai N. Joshi, Well-known research Scholar of Dwarka	द्वारकानुं पुरातत्त्व
28	20-12-1962	Professor (Miss) Stalla Kramrisch, World-renowned authority on Indian and Asian Art and Professor of Indian Arts, University of Pennsylvania, Philadelphia, U.S.A.	(1) Nepal; Art-Sculpture
	21-12-1962		(2) Nepal; Art-Architecture and Painting
	22-12-1962		(3) Myths and Symbols of the Rgveda
29	9-1-1963	Dr. Ch. Vandeville, Ecole Francaise D'Extreme Orient, Paris	Source and Composition of Dhola-Maru
30	4-2-1963	Professor W. Norman Brown, Chairman, South Asia Regional Studies, University of Pennsylvania, Philadelphia, U.S.A.	The Vasant Vilasa—An Old Gujarati Ode to Spring Time

Under the Scheme of lectures on 'Various Aspects of Gandhiji's Life' sponsored by the Government of India, Professor H. T. Muzumdar, Honorary Professor, Faculty of Social Work delivered three lectures on the following subjects.

	Subject	Date
1	Gandhi—The Child of One World	31-7-1962
2	Gandhiji's Philosophy of Soul Force	1-8-1962
3	Gandhi's Educational Theories	2-8-1962

2. Deputation to Conferences

The following members of the University staff were deputed to attend the Conferences shown against their names as delegates of the University during the period from the 1st April, 1962 to the 31st March, 1963:

Sr. No.	Name of the members of the staff	Name, Place and dates of the Conference
1	Dr. M.L. Pai (Faculty of Medicine)	Symposium on 'Vitamin Metabolism' held under the auspices of the National Institute of Science Calcutta in the first week of May, 1962
2	Shri P. V. Parikh (Faculty of Technology and Engineering)	Thirty-second Annual Research Session held at Ootacamund (Madras State) in the second half of May, 1962
3	Kumari I. M. Patel (Faculty of Social Work)	Seminar on Teaching Methods in Social Work held at the Mysore University, Mysore from the 20th to the 27th May, 1962
4	Dr. K. N. Naik, (Faculty of Commerce)	Seminar of University Professors in Co-operation arranged by the International Co-operative Alliance at Bangalore between the 25th May to the 3rd June, 1962
5	Professor N. M. Bhatt, Smt. Indira V. Bhanot (Faculty of Science) Professor I. P. Desai (Faculty of Arts) Professor (Smt.) Ammu Muzumdar (Faculty of Social Work)	State-Level Family Planning Seminar at Ahmedabad from the 11th to the 13th June, 1962
6	Dr. S. H. Joshi (Faculty of Arts)	Sixth All India Writers' Conference held at Mysore from the 3rd to the 6th August, 1962

Sr. No.	Name of the members of the staff	Name, Place and dates of the Conference
7	Kumari Savitri Pandit Kumari Kalindi Patel Kumari Freny Debu (Faculty of Home Science)	The Sixth Biennial Conference of the Home Science Association of India held in Udaipur from the 6th to the 9th October, 1962
8	Professor N. S. Pandya Dr. R. V. Joshi (Faculty of Science)	Symposium and Lectures on Lattice defects and Lattice dynamics held under the auspices of the U.G.C. and the National Physical Laboratory at Delhi from the 8th to the 13th October, 1962
9	Professor B. G. Shah (Faculty of Commerce)	All India Seminar on Commerce Education, sponsored by the University Grants Commission held at Chandigarh under the joint auspices of the Punjab University and the Indian Commerce Association from the 10th to the 13th October, 1962
10	Professor J. C. George (Faculty of Science)	The Second All India Congress of Zoology held at Varanasi from the 14th to the 20th October, 1962
11	Shri D. D. Mahulkar (Faculty of Arts)	The Autumn Seminar of Linguistics held in Baroda from the 15th October, 1962
12	Shri K. S. Yajnik (Head, Preparatory Unit)	Symposium on Social Studies at the A. G. Teachers College, Ahmedabad on the 11th November, 1962
13	Dr. D. M. Desai (Faculty of Education and Psychology)	Seminar on Social Studies at the A. G. Teachers College, Ahmedabad on the 12th November, 1962
14	Professor M. B. Desai (Faculty of Arts)	Seminar on 'Land Reforms' held at Patna on the 2nd and 3rd December, 1962
15	Dr. V. M. Shah Dr. M. S. Sudhalkar (Faculty of Medicine)	The XIXth International Congress of Ophthalmology held in New Delhi from the 3rd to the 7th December, 1962
16	Shri S. M. Nair (Department of Museology)	The Annual Meeting and Seminar of the Indian Museums Association held at Bombay on the 17th and the 20th December, 1962
17	Professor P. J. Madan (Faculty of Technology and Engineering)	Eighth Conference on Theoretical and Applied Mechanics I.I.T. Kharagpur, India and Seminar on Elastic Plastic Deformation held at M.B.M. Engineering College, Jodhpur from the 23rd to the 26th December, 1962

Sr. No.	Name of the members of the staff	Name, Place and dates of the Conference
18	Shri J. K. Majmudar (Faculty of Education and Psychology)	Seventh Annual Conference of All-India Science Teachers' Association held at Hyderabad from the 26th to the 28th December, 1962
19	Professor M. B. Desai (Faculty of Arts)	The 22nd Annual Conference of the Indian Society of Agricultural Economics held at Ahmedabad from the 26th to the 29th December, 1962
20	Dr. D. M. Desai (Faculty of Education and Psychology)	All-India Educational Conference held at Lucknow on the 27th December, 1962
21	Smt. S. N. Joshi (Faculty of Arts)	The Thirteenth Session of All-India English Teachers' Conference held at Lucknow from the 28th to the 30th December, 1962
22	Shri R. N. Mehta Shri R. Krishnamurti (Faculty of Arts)	Seminar in American History and the Seminar on American Literature held at Bombay from the 17th to the 19th January, 1963
23	Dr. B. S. Verma (Faculty of Medicine)	All India Conference of Dermatologists and Venereologists held at Calcutta from the 17th to the 21st January, 1963
24	Professor J. C. George (Faculty of Science)	Seminar on Physiology of Reproduction held at Bombay from the 21st to the 23rd January, 1963
25	Dr. S. H. Shah (Faculty of Medicine)	Annual Conference of Association of Pediatricians of India held at Hyderabad from the 1st to the 4th February, 1963
26	Dr. A. S. Patel (Faculty of Education and Psychology)	A Seminar held by the Central Institute of Education to examine the prevailing course in Educational Psychology at B.Ed. level at Delhi from the 4th to the 13th February, 1963
27	Professor P. J. Madan (Faculty of Technology and Engineering) Prof. C. H. Khadilkar (Polytechnic)	The 22nd Conference of A.P.T.I. (India) held at Pilani on the 9th and the 10th February, 1963

CHAPTER XXVII—GENERAL EDUCATION DEPARTMENT

1. Brief History

During the formative years of the University when new Faculties were being established and old ones consolidated, considerable thinking was done on the place General Education should have in the total academic programme of the University. It was felt that while a University should make provision for specialised studies in the various fields of knowledge, it should also provide for the basic requirement, that every student, no matter what his speciality, has some understanding of the physical world in which he lives, an appreciation of the complex social relationships by which he is surrounded and a grasp of human values which can be developed through contact with Art, Literature and the Humanities. In other words, it was necessary to find a place for the element of liberal education alongside highly specialised studies.

To fulfil this need, the University accepted the principle that General Education should be an important complement to specialisation. Accordingly, a beginning was made as early as 1953 when a programme of General Education lectures and discussions was arranged for the Final Year students of the Arts, Science and Commerce Degree Courses. The results of this exploratory work were encouraging. Members of the staff gained a better understanding of the aims and techniques of General Education through experience of working the pilot project, as well as through visits to foreign Universities and contacts and discussions with experts in the field. As a result, a comprehensive scheme was undertaken from June, 1957 embracing the Preparatory Year Course, the First and Second Year Degree Courses in Arts, Science, Commerce, Fine Arts and Home Science as well as the Pre-Medical Year and the First Year of the Engineering Course. The Preparatory Course was re-organised making General Education an integral part of its curriculum.

2. Organisation

The Department has a nucleus staff of eight teachers who not only teach, in General Education and the Pre-University Classes, but also help in the preparation of reading material and organisation of Tests. The staff consisted of one Co-ordinator, one Joint Co-ordinator, one Assistant Co-ordinator, five Special Lecturers, three Class III and two Class IV

Servants. About fifty members of the staff from the various departments of the University participated in the preparation of the reading material and also shared the teaching work.

3. Building, Equipment, Books

The Department of General Education which was housed in the Faculty of Education and Psychology has been shifted to the new building. The Ford Foundation of U.S.A. has given the University a grant of 4,30,000 U.S.A. dollars for the construction of a new building and for purchase of equipment and books for the General Education Centre. The construction of the building, which is estimated to cost about Rs. 15 lakhs, was started in the year 1957-58. An expenditure of about Rs. 14,69,859 has been incurred upto the 31st March, 1963 on construction of building, purchase of equipments and furniture and acquisition of books.

4. Students under the Programme

The number of students who came within the scope of the General Education programme during the year is as under :

Course			*Number*
(1) Preparatory Course :			1602
Arts	515		
Science	617		
Commerce	470		
(2) Degree Courses :			2410
Arts	692		
Science (including Pre-medical)	453		
Commerce	274		
Technology and Engineering	290		
Fine Arts including Music College	54		
Home Science	207		
			4012

5. Syllabus

At the Preparatory stage, the Arts and Commerce students take a Course in General Science and all students take a Course in Social Studies. The General Education syllabus for the First and Second Year of the degree courses in Arts, Science, Commerce, Fine Arts, Home Science, and

for the First Years of the Medical and Engineering Courses consists of an integrated programme of lectures and discussion on selected themes from the three broad fields of Humanities, Social Sciences and Natural Sciences. This syllabus is so arranged that a student specialising in any one of these fields, receives General Education in the other two fields. Thus for instance, Science, Engineering and Medical students receive General Education in Humanities and the Social Sciences. Similarly, Arts and Commerce students receive General Education in Natural and Social Sciences.

The topics included in the broad fields have been gradually formulated over the last nine years and are being modified in the light of new experience. A broad outline of the syllabus for the degree course students is given below :

A. Humanities :

(i)	Literature I :	Readings from Moderan Indian Literature—Selected passages from Hindi, Gujarati, Marathi (along with English rendering), Milestones in the development of Indian Literature in the post-mutiny Period (1857-1957) with special reference to the study of novel, drama and poetry.
	Literature II :	Readings from Drama (Sanskrit and English), Comparative Study of Theatre and Drama : with reference to Kalidasa, Bhavabhuti, Shakespeare, Sophocles and Ibsen.
(ii)	Fine Arts :	Development of Art Forms from the earliest time to the present day—How to appreciate Art.
(iii)	Philosophy :	Selected readings from the works of philosophers on ' the concept of the highest good '.
(iv)	World History :	Pre-history—Early civilizations, Early European civilizations—Religious Systems. The Middle Ages—The Renaissance—Science and Industrial Revolution.

B. Social Sciences :

(i)	Social Problems :	Our present society : the contemporary pattern of the family, caste and marriage : Urban communities.

		Group behaviour—behaviour traits—attitudes—social conflict—prejudice and tensions—social control.
(ii)	Political Science :	Problems of Indian Democracy—International politics. Political Doctrines—Individualism, Idealism, Fascism, Socialism and Communism.
(iii)	Economics :	Indian Agricultural problems—Problems of Indian Industry—Indian Five Year Plans.

C. Natural Sciences :

The Nature of Physical Universe : The Solar System and Universe—The Earth—The Atmosphere—Air and Water—Matter and Energy—The Atom and Atomic Energy.

Man's Exploitation of the Natural Resources : Power Resources—Agricultural Resources—Mineral Resources—Conquest of Air.

D. The following concluding topics are common to the General syllabi of all students of the Second Year Degree Class—(Arts, Science and Commerce) ;

(i) The Scientific Method,
(ii) Science and Society,
(iii) Science and Literature.

6. Methods of Teaching

Each topic is organised into a series of talks by the teacher. Duplicated synopsis of reading material supplied to each student in order to help him to follow the talks. No text-books are prescribed for the General Education Programme but a few reference books are suggested for reading. Short answer tests are also arranged towards the end of the term on courses covered under the programme. The grades obtained are recorded and announced to students. The students are allowed to improve the grade, if it is not satisfactory.

7. Grade Requirements

General Education has been made a compulsory part of the curriculum and a satisfactory Grade in General Education is necessary in order to pass the final examination of the Faculty. Every class has two to four periods per week on the time-table for General Education. Attendance is

compulsory and the requirements are similar to those in other subjects of specialisation. There is no annual examination in General Education as in other subjects; but there are four to six periodical tests from time to time on topics that are completed. The system of making is: A (very good), B (above average), C (Pass), D (not satisfactory). A record is maintained of the grade obtained by each candidate in the various tests. Final Grade is given on the basis of the students' performance in periodical tests. D grade denotes failure. A candidate must obtain an overall C grade to show that he has satisfactorily completed the General Education work of the year.

CHAPTER XXVIII—STUDENTS' WELFARE ACTIVITIES

1. Halls of Residence

The University, being residential, makes constant efforts to increase and improve residential accommodation for its students. At its start in 1949 the University had accommodation for 200 Men students in rented buildings and another 200 Men students in University owned buildings. There was no hostel accommodation for Women students. During 1949 to 1961 the University constructed hostels for men and Women students. Ground floors of two new halls *viz.* Sardar Vallabhbhai Patel Hall for Men students and Pandita Gargi Hall for Women students were ready by June, 1962. The first floors were ready and occupied in the 2nd term. The University also constructed during the year second floor consisting of 35 rooms in the Pandita Gargi Hall. At the end of the year under report there were in all eleven Halls for Men and three Halls for Women.

The general policy of the University is to distribute students from various Faculties in different Halls so that every Hall would have students from different Faculties. The University looks upon this as an important step to promote amongst the students of the University awareness and interest in Faculties other than their own.

Even though the new Halls were helpful in meeting the huge demand to some extent the procedure of admitting 3 students in one room had to be continued during the year. At the end of the year 2,102 students were in residence in different Halls as against 1,753 in the end of the previous year. The following statement gives the break-up of these students by Halls and Institutions :

Faculty or College	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Shri Dadabhai Naoroji Hall	VI Hall of Residence	Maharshi Aurobindo Hall	Prof. T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Polytechnic Hall I	Polytechnic Hall II	Polytechnic Hall III	Shri Keshav Prasad Hall	Total Men Students	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Cargi Hall	Total Women Students	Grand Total
Preparatory Unit	5	23	10	15	7	26	6	46	45	75	—	258	36	16	34	86	344
Faculty of Arts	7	5	10	9	4	7	5	8	12	8	—	75	45	29	11	85	160
Faculty of Science	7	16	12	33	23	21	29	20	24	17	—	202	28	10	9	47	249
Faculty of Commerce	3	5	2	24	8	25	30	12	18	14	—	131	4	3	—	7	138
Faculty of Education and Psychology	1	1	2	4	3	4	—	2	10	—	—	27	17	8	—	25	52
Faculty of Technology and Engineering	77	62	20	33	67	67	56	24	23	30	32	491	3	4	1	8	499
Polytechnic College	5	12	5	5	19	4	7	46	25	18	--	146	1	—	—	1	147
Faculty of Medicine	19	21	4	5	22	26	33	1	—	1	—	132	29	6	3	38	170
Faculty of Social Work	1	—	—	22	—	—	—	5	3	—	—	1	6	1	3	10	41
Faculty of Fine Arts	—	5	—	6	1	2	4	1	2	—	—	23	8	2	3	13	36
Music College	—	—	1	1	—	—	—	—	—	—	—	2	2	4	5	11	13
Faculty of Home Science	—	—	—	—	—	—	—	—	—	—	—	—	110	92	41	243	243
Faculty of Law	—	4	—	3	1	—	1	—	—	—	—	9	1	—	—	1	10
Total	125	154	66	160	155	182	161	165	162	165	32	1527	290	175	110	575	2102

Administration of the Halls was carried on with the advice of the Advisory Committee of the Halls of Residence and the Wardens' Committee.

All the Halls have been provided with libraries and well-equipped reading rooms. Students are contributing towards the purchase of newspapers and magazines. Indoor games are also provided.

The University Health Centre provides medical help to the inmates of the Halls. The Health Centre has a full-time Medical Officer and a part-time Lady Doctor. These Medical Officers are available for consultation in the morning and evening. The Health Centre also dispenses ordinary medicines and treatment to the students free of charge. In urgent cases the Medical Officers attend the students in their rooms free of charge. The Medical Officers also visit each Hall once a month to inspect sanitation and messes.

As in previous year the cultural and social activities were organised by the following Committees in each Hall:

1. Food Committee
2. Sports Committee
3. Entertainment and Debate Committee
4. Reading Room and Library Committee
5. Health and Sanitation Committee.

Meetings and talks were arranged, musical and social evenings were organised and games, tournaments and debates were held. National Days like National Cleanliness, etc. were also organised by the Halls. A beginning in Counselling work was also made in some of the Halls.

The students in most of the Halls have contributed their due share to the National Defence Fund by effecting economy in Mess expenses. Students of Smt. Sarojini Devi Hall organised a fancy fair and made a special contribution of Rs. 2,000/— to the National Defence Fund.

2. Health Centre and Medical Examination

The scheme of starting Health Centre was sanctioned by University Grants Commission in the year 1959. A sum of Rs. 1 Lac was allotted for the building and equipment. The University has constructed a new building and the Centre is housed on the ground floor with all the facilities for examination, dressing and minor surgery, laboratory and dispensing work. Necessary equipment, furniture, reference books, etc. have been

purchased. The Centre started functioning from May, 1962. The staff of the Health Centre consists of 1 Medical Officer, 1 Part-time Lady Doctor, 1 Compounder-cum-Technician, 1 Hamal and 1 Nurse.

The Centre provides for both preventive and curative services. The number of students examined by the Medical Inspection Board at S. S. G. Hospital for regular check up is 3092 X-Ray plates of about 1800 students are taken by the Mass Chest Survey Unit of Baroda Borough Municipality. Thirteen students were found to be suffering from Pulmonary Tuberculosis; out of these thirteen students ten students are under treatment at the Centre and there is a regular follow up for these cases. One student is admitted to the T. B. sanitorium. There were two cases of Diphtheria in the Pandita Gargi Hall for Women. They were referred to infectious disease hospital. Measures for innoculation and disinfection of the rooms were undertaken. Arrangements for innoculation against Small pox for the inmates of the Hall of Residence were made with the help of Baroda Borough Municipality.

The regular dispensing work was started in June 1962. During the period from July to March, 13052 patients—8587 (65.8%) students, 4465 (34.2%) and members of the staff and their families attended the clinic for treatment. The daily average attendance was 47.6. The laboratory work regarding routine—Urine, Stool and Blood examination was also started. Work regarding the measurement of normal cardiac size from the miniature X-Ray plates was in progress.

3. Physical Education

(1) Staff:

Under the supervision and guidance of the Director of Physical Education who also acts as the Ex-Officio Secretary of the University Board of Sports, four Physical Instructors, one Lady Physical Instructor, six A.C.C. Officers, two Swimming Trainers, and one Boating Trainer, organised and conducted A.C.C. and other Physical activities for the students of this University.

(2) Auxiliary Cadet Corps:

Compulsory A.C.C. training was organised and conducted by 5 Group Commanders, 6 A.C.C. Officers and 73 Student Leaders. In all 1118 students including 357 girl students were imparted training in Drill, P.T. and Games. Special training was also given to selected Cadets who took part in Ceremonial Parades on the Independence Day.

(3) Major Games:

Games such as Cricket, Hockey, Foot-Ball, Volley-Ball, Basketball, Kho-Kho, Tennis, Badminton, Table-Tennis, Netball and Throwball were organised and conducted by the Physical Instructors and the Officers in-Charge of Cricket, Foot-Ball, Hockey, Tennis, Badminton and Table-Tennis. More than 300 students from various Faculties and Institutions participated in these activities.

(4) Swimming and Boating:

During the year, 669 students in Swimming and 257 students in Boating participated. More than 1000 guests also took advantage of the Swimming Pool. Annual Swimming and Boating Competitions were also held during the second term of the year. Dr. J. M. Mehta, Vice-Chancellor, presided over the Boating Prize Distribution Function and Smt. Saralaben Mehta gave away the prizes and trophies to the winners. Dr. C. S. Patel, Pro-Vice-Chancellor, presided over the Swimming Prize Distribution Function and gave away the prizes and trophies to the winners.

(5) Inter-Faculty/Institution Tournaments:

The Inter-Faculty/Institution Cricket, Hockey, Tennis, Badminton, and Table-Tennis Tournaments were organised and conducted by the Officers-In-Charge of these games. Students from almost all the Faculties and Institutions participated in these tournaments.

Tournaments	*Winners*	*Runners-up*
(i) Cricket	Faculty of Commerce	Faculty of Arts
(ii) Hockey	Faculty of Commerce	Faculty of Technology and Engineering
(iii) Badminton	Faculty of Technology and Engineering—A	Faculty of Technology and Engineering—B
(iv) Tennis	Faculty of Technology and Engineering	Faculty of Commerce
(v) Table-Tennis	Faculty of Commerce	Faculty of Technology and Engineering

(6) Training of University Teams:

The training of various University Teams was supervised and guided by the Physical Instructors, and the Officers-in-charge of Games, Swimming and Boating. Experienced persons were also appointed to coach the Cricket, Hockey (women), and Kho-Kho (men and women) teams.

(7) Tournaments and Competitions:

The University Cricket, Hockey and Football Teams participated in the League and Knock-out Tournaments held in Baroda. The Hockey (women) Team participated in the Gujarat State Women's Hockey Championship held at Ahmedabad. They drew against St. X'aviers, but unfortunately lost the match as it was decided by toss. The Basketball Team and the Swimming Team participated in the Gujarat State Championships. They were winners in Basketball and Water-Polo Competitions. The Cricket Team was runners up in the Zaveri League Tournament held in Baroda.

(8) Inter-University Tournaments:

University Football, Volleyball, Badminton (men and women), Table-Tennis (women) and Swimming teams were sent to participate in the Inter-University Tournaments. The Football team was leading in the first round against Andhra University but unfortunately the game was abandoned. The Swimming team defeated Rajasthan in the Water-Polo Competition but lost to Bombay.

(9) Winners of Individual Championships :

	Activity	*Winners*	*Faculty/Institution*
(i)	Swimming	(i) Ajit R. Shetty	Faculty of Medicine
		(ii) Veena C. Shah	Faculty of Science
(ii)	Boating	(i) Vishwas S. Navade	College of Indian Music,
		(ii) Pushpa R. Gotri	Dance and Dramatics
(iii)	Tennis	Ranjit P. Karna	Faculty of Commerce
(iv)	Badminton	Sudhir V. Dandeker	Faculty of Technology and Engineering
(v)	Table-Tennis	(i) Deepak S. Chavan	Faculty of Arts
		(ii) Malti N. Patel	Faculty of Arts

(10) Participation in National Championships :

(i) Eight members of the University Cricket Team represented the Baroda Cricket Association in the National Cricket Championship.

(ii) Four members of the University Kho-Kho team (men) represented the Gujarat State in the All-India Kho-Kho Tournament. Kum. Nilotpala A. Shah of the Faculty of Technology and Engineering was the Captain of Women's Kho-Kho team. (Gujarat was runner-up in this tournament).

Shri Sharma M. D of Faculty of Technology & Engineering and Shri Coelho Paul of Faculty of Arts participated in the National Football and Hockey Championships respectively.

(iv) Shri Ramachandra Y. Ghatge of Faculty of Arts was the Captain of Gujarat State Athletic team which participated in the National Athletic Championship.

4 National Cadet Corps

The following N.C.C. Units carried out their usual activities during the year :

(1) 3rd Gujarat Battalion N.C.C.
(2) 2nd Gujarat Girls Troop N.C.C.
(3) 18th Gujarat Engineering Platoon N.C.C.
(4) 20th Gujarat Medical Company N.C.C.
(5) 9th Gujarat Girls Troop N.C C.
(6) 17th Gujarat Air Squadron N.C.C.
(7) 54th Gujarat Group N.C.C. Rifles
(8) 20th Gujarat Signal Section N.C.C.
(9) 3rd Gujarat Technical Air Squadron N.C.C.

A report of the activities carried out by each Unit is given below :

(1) 3rd Gujarat Battalion N.C.C.

The Unit is a 4 Company Battalion with authorized strength of 15 N.C.C. Officers and 781 N.C C. Cadets. At present there are 14 N.C.C. Officers and 538 Cadets of different Faculties and Institutions of the University. Two N C.C. Officers are kept on supernumerary list for 3 years. Besides the Junior Division N.C.C. troops from University Experimental School, there are 7 more such troops and 108 A.C.C. Platoons from other Educational Institutions. The strength of the Unit was raised from 625 to 781 Cadets, during the year under report. The training of the battalion started from the 24th June, 1962 and terminated on the 30th January, 1963.

Due to the emergency all Annual Training Camps were cancelled. However, a special training cadre was held in Baroda from the 24th December, 1962 to the 4th January, 1963.

Three N.C.C. Officers were sent to attend Refresher Training Courses one at Gargoti and two at Kamptee. Two Cadets of the Unit successfully attended Advanced Leadership Course held at Lunawada from the 7th to

the 31st May, 1962. One Cadet attended the 17th N C. C. Course at Dehradun in July, 1962 and has been granted Commission as an Officer. Out of the five OTU Cadets, two have passed their 'C' certificate (OTU) examination in June, 1962. Fortnightly training cadres were run for the benefit of the University staff members, during which training in firing ball ammunition was given to them. Some of the students of the University have been granted Emergency Commission and they will be considered for the grant of Regular Commission at the appropriate time.

'B' and 'C' certificate examinations were conducted from the 29th to the 31st January, 1963. 142 Cadets appeared for 'B' Certificate and 17 for 'C' certificate examinations.

This year a combined function on TA/NCC day was celebrated on the 18th November, 1962 wherein the Cadets of all the local Units of NCC/ACC participated. A combined Ceremonial Parade was organized and Shri Rasiklal Parikh, Home Minister, Gujarat State took the salute. The Republic Day Parade was held on the 26th January, 1963.

(2) 2nd Gujarat Girls Troop N. C. C.

This Unit was started in the year 1955 as 5th Bombay Girls Troop N. C. C. After the bifurcation of the Old Bombay State this Unit was renamed as 2nd Gujarat Girls Troop N. C. C. It was being administered since formation by the 6th Bombay Battalion N. C. C. (now 3rd Gujarat Bn. NCC) for one year. This Unit was further functioning independently for 3 years and was being commanded by Lt. (Miss) S. A. Nachane, the Officer Commanding Lady Officer of this troop. Afterwards this troop was transferred to the 18th Bombay Engrs. Pl. NCC (Now 18 Gujarat Engrs. Pl. NCC) for a period of 6 months. Now the Unit has been transferred to OC 17 Bombay Air Sqn. NCC. Baroda (Now 17th Gujarat Air Sqn. NCC) from the 24th October 1961. It has been divided into 3 sub-troops. Each sub-troop has been designated as 4th, 5th and 6th Gujarat Girls Troop NCC. respectively. However, for the administrative convenience the Unit is being referred to as "4th Gujarat Girls Troop NCC" Baroda. The troop is renamed as "2nd Gujarat Girls Troop NCC, Baroda, from the 24th July, 1962. It came in touch with the Air Force Unit and the gliding training has been introduced to few selected Cadets of the troop.

The Unit at present is accommodated in its own building in the premises of the Faculty of Home Science along with the 9th Gujarat Girls Troop NCC.

The present strength of this unit is 2 NCC Lady Officers and 102 Girl Cadets against the authorized strength of 3 Officers and 135 Cadets. The Girl Cadets of this troop are taught various subjects like Radio Telephony, Weapon Training, Squad Drill, Signal Training, Sanitation, Hygiene and First Aid etc. The Air wing girl cadets are taught special subjects namely Airmanship, Meteorology, Aero-modelling and Navigation, etc.

1 NCC Lady Officer and 33 girls cadets of this troop participated in the Ceremonial Parade held on the 15th August, 1962. The NCC and TA Day was celebrated jointly on the 18th November, 1962. All the Cadets and Officers of this troop took part in the ceremonial parade and Flag March. 45 cadets of this unit participated in the Ceremonial Parade, held on account of University week celebrated on the 1st December, 1962. The Republic Day was celebrated on the 26th January, 1963. One Platoon of this Unit participated in the Ceremonial Parade held on this occasion.

Due to the National emergency no Camps were held during the year.

Certificate G Part I examination was held on the 10th February, 1963. The result is as under :

Examination	*Number appeared*	*Number passed*	*Percentage*
G Part I	11	10	91%

(3) 18th Gujarat Engineering Platoon NCC

This Unit was raised on the 1st December, 1955 and is at present located in the premises of the Faculty of Technology and Engineering. The authorised strength of the Unit is 2 N.C.C. Officers and 60 N.C.C. Cadets. It completed its strength and started training with a parade on the 24th June, 1962. The training was concluded on the 30th January, 1963. Following subjects were covered during the training :

(i) Drill without Arms, (ii) Drill with Arms, (iii) Weapon Training, (iv) Map Reading, (v) Message writing, (vi) Hygiene and Sanitation, (vii) Citizenship, (viii) Public speaking, (ix) Corps History, (x) Organisation, (xi) Route March, (xii) Field Work, (xiii) Field Defence, (xiv) Bridging, (xv) Water Supply, (xvi) Rafting and Watermanship, (xvii) Demolition, (xviii) Mines.

The Annual Training Camp of the Unit could not be held on account of emergency declared by the Government of India due to border problems. A Cadre of ten days was run just before the Certificate Examina-

tions for the benefit of Cadets appearing at the Examinations and for those Cadets who were short of attendance on parade during the training period. A Special Teacher Cadre for the Faculty of Technology and Engineering was run in December, 1962. A training programme was arranged from the 6th to the 20th December, 1962. About 32 members of the staff took advantage of the course.

'B' and 'C' certificate examinations were held in February, 1963.

(4) 20th Gujarat Medical Company N.C.C.

The Unit was started from the 23rd July, 1956. The authorised strength of the Unit is 2 N.C.C. Officers and 120 N.C.C. cadets. The Unit started its training in the last week of June, 1962 with the full strength and the training was conducted on the 13th February, 1963.

Annual Training Camp was not held due to National Emergency. Cadre training was imparted to 45 cadets for two weeks at Baroda.

'B', 'C' and 'G Part I' examinations were held in the month of February, 1963 wherein 7, 2 and 8 cadets appeared respectively. The result was not declared during the year under report as it was submitted for countersignature of the higher authorities.

The prize ceremony was held in the first week of March, 1963 when Dr. J. D. Pathak, the Dean of the Medical College, Baroda gave away prizes to the 'Best Cadet', 'Best Shot', etc.

(5) 9th Gujarat Girls Troop N.C.C.

This unit was raised on the 4th of November 1957, as "22nd Bombay Girls Troop NCC, Baroda". As the bifurcation took place, it was renamed as "9th Gujarat Girls Troop NCC Baroda." It was being administered since formation, by OC, 6th Bombay Battalion NCC (now 3rd Gujarat Battalion NCC) Baroda till the 30th August, 1960. Since then, this troop has been transferred to OC 17th Bombay (now 17th Gujarat) Air Sqn. N.C.C, Baroda. With effect from the 24th October, 1961 this troop was divided into three sub-troops. Each sub-troop of this unit was designated as 16th, 17th and 18th Gujarat Girls Troops NCC, respectively; however, for the administrative convenience, this unit was being referred to as "16th Gujarat Girls Troop NCC, Baroda". The name of this troop is changed to its old name *i.e.* as "9th Gujarat Girls Troop NCC, Baroda" with effect from the 24th July, 1962. This unit has come in touch with the Air Force Unit; the Gliding training has been

introduced to few selected cadets of this troop. The Unit is accommodated in the building of the 2nd Gujarat Girls Troop NCC.

The authorised strength of the Unit is 3 N. C. C. Lady Officers and 135 Girl cadets. The cadets of the troop are taught various subjects like Radio Telephony, Weapon Training, Squad Drill, Signal Training, Sanitation, Hygiene, First Aid,etc. The Air Wing Cadets are taught special subjects like Airmanship, Meteorology, Aero-modelling and Navigation, etc. 22 Cadets selected for Glider Training were given one Glider Launch each.

The officers and the cadets of this troop took part in Ceremonial Parade held on the 15th August, 1962 (Independence Day), Ceremonial Parade and Flag March on the 18th November, 1962 (NCC/TA Day), Ceremonial Parade on the December, 1962 (University Week Celebration Day) and the 26th January, 1963 (Republic Day). Two officers have been selected for Pre-Commission Training at Kamptee.

Due to National emergency camps were held during the year.

'G Part I' certificate examination was held on the 10th February, 1963. Out of 5 candidates that appeared at the examination, 4 passed, the percentage of passing was 80%.

(6) 17th Gujarat Air Squadron N.C.C.

This Unit was raised in the year 1959 and started functioning from the 1st August, 1959. The actual strength of the Unit is 1 N.C.C. Officer and 76 N.C.C. Cadets in the year 1962-63. The training commenced on the 4th July, 1962 and terminated on the 10th February, 1963.

Two Girl Troops—2nd and 9th Gujarat Girls Troops are affiliated to this Unit are functioning under the administrative control of the Unit. 45 cadets were selected for Glider Training and the first batch of 15 cadets were given Air experience by one glider launch each. The cadets were given training in the subjects like Navigation, Meteorology, Aero-engines, Aero-modelling, Airmanship and Signals, Gliding, Flying, etc.

All cadets in the Second Year of training in the Senior Division were given Air Experience by more than one Glider Launch to each. A total number of 74 Glider Launchers were done in the current year. 20 cadets in the third year of training started their flying training. 11 cadets qualified for 'Wings' by doing their first solo and 4 cadets obtained their Civil Flying Licence 'A' by passing the requisite tests. In all a total of

480.59 hours flying was completed by the 20th cadets during the year 1962-63.

Model Air Craft Flying display and Static display were conducted on the Independence Day, N.C.C./T.A. Day, during Wing Presentation Ceremony, at the Science Exhibition held at Ahmedabad and at the 'Art of Warfare from the Ancient Time' Exhibition held at Baroda. The cadets of the Unit took part in the Ceremonial Parades and Flag March on the Independence Day, N.C.C./T.A. Day, University Week Celebration and the Republic Day.

Two cadets were selected for regular Commission in G.D. (P) Branch and were sent for training at Coimbatore. One cadet was also selected to attend the Annual Camp of Mallayalam Air Force during the period from the 6th to the 15th August, 1962. One Officer was selected for grant of Commission in the Senior Division N.C.C. and will have to undergo Pre-Commission training for three months at the Air Force Station, Poona.

'B' and 'C' certificate examinations were held on the 10th February, 1963. The result is as under :

Examination	*Number appeared*	*Number passed*	*Percentage*
'B' Certificate	20	16	80%
'C' Certificate	14	11	78.6%

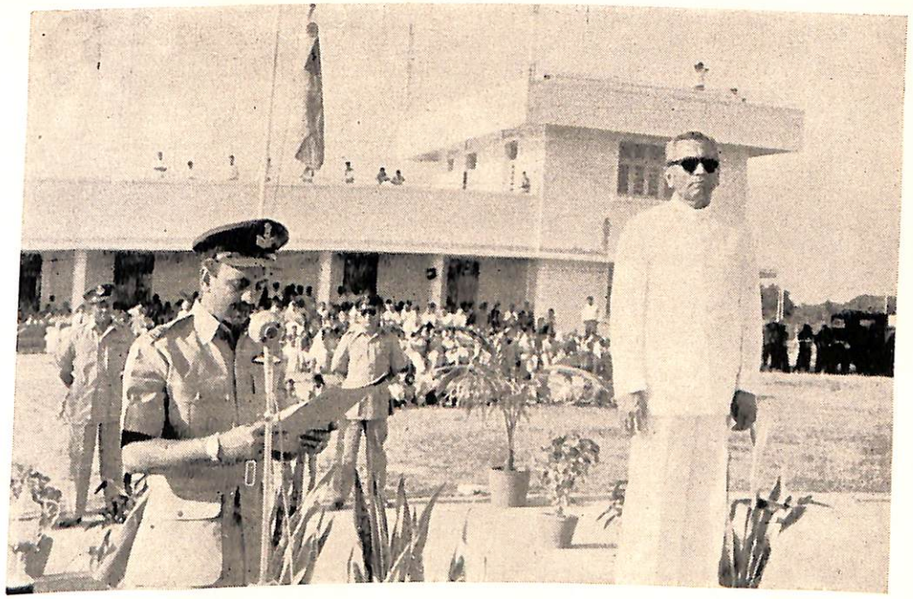
(7) 54th Gujarat Group N.C.C. Rifles

The designation of this unit from 2nd Gujarat Group NCC to 4th Gujarat NCCR Bn. and subsequently to 54th Gujarat NCC Rifle Battalion was changed during this year. The group has under its command 9 Companies at Baroda and one each at Dabhoi, Godhra and Rajpipla. The strength of the Unit is 12 NCC Officers and 2200 NCC Cadets.

A special Cadre was run for cadets appearing in 'B' and 'C' certificate examinations. Demonstrations were carried out and practice was given to the cadets. 41 parades were also held during the year.

A combined Annual Training Camp of 1st and 2nd N.C.C. Rifle Group was held at Junagadh from the 13th to the 26th October, 1962. 18 NCC Officers and 1250 NCCR Cadets participated in the camp.

'B' and 'C' and 'G Part I' certificate examinations were held in January, 1963 and the results are as under :



The Pro-Vice-Chancellor, presiding over the Wing Presentation Ceremony of the 17th Gujarat Air Squadron, N.C.C.

Examination	*Number appeared*	*Number passed*	*Percentage*
'B' Certificate	267	145	54.3%
'C' Certificate	23	3	13%
'G Part I' Certificate	137	120	87.6%

(8) 20th Gujarat Signal Section N.C.C.

The Unit was raised in April, 1960. The strength of the Unit is as under :

	Officers	*Cadets*
Authorised	2	120
Actual in 1962-63	1	120

The regular training was started on the 24th June, 1962 and was concluded on the 13th February, 1963.

A Cadre was run in the first week of September, 1962 for the appointment of the cadets. The N.C.C. Week was celebrated in the 3rd week of November, 1962 along with other N.C.C. Units in Station.

The Annual Training Camp which was scheduled to be held at Jamnagar could not be held due to National Emergency. A special Cadre was run during the winter holidays and it was attended by 63 cadets of the Section. Cadets were also sent to attend camps/courses as under :

Number of Cadet sent	*Period*	*Camp/Course*
One	23-4-1962 to 9-5-1962	Advanced Leadership Course at Kodaikanel
One	9-5-1962 to 22-5-1962	All India Summer Training Camp at Kolhapur
One	16-5-1962 to 1-6-1962	Advanced Leadership Course at Kulu

'B' certificate examination was held on the 12th/13th February, 1963. Out of the 35 candidates who appeared for the examination, 27 passed. The percentage of passing was 77.1.

(9) 3rd Gujarat Technical Air Squadron N. C. C.

This Unit was raised during July, 1960. It is accommodated at present in two open halls with two small temporary partitioned room of the Kalabhavan building. The present strength of Officers and Cadets of

this Unit is 2 and 43 respectively. The training of the 1st, and 3rd year course has been completed. This year there was no Annual Training Camp for Air Squadrons due to the National Emergency. One of the cadet of this Unit attended the Republic Day Parade held at New Delhi. Cadets of this Unit took an active part in the NCC Week celebrations as well as Republic Day Parade held at Polo ground and M. S. University Pavilion ground. One NCC Officer has successfully completed his refresher Training course held at Secunderabad from the 7th May to the 16th July, 1962.

'B' and 'C' certificate examinations were held in February, 1963 and the results were as under:

Examination	*Number appeared*	*Number passed*	*Percentage*
'B' Certificate	7	7	100%
'C' Certificate	4	4	100%

5. The Shakespeare Society

The Shakespeare Society staged Eugene O'Neill's "Mourning Becomes Electra" and Shaw's "You Never Can Tell" in January 1963. This was the Society's eleventh annual performance. Since its inception in 1951 under the Patronage of the Vice-Chancellor the Society has regularly put up on the average two plays a year. Its repertoire as would be expected comprises chiefly the plays of Shakespeare; but this major interest is balanced by a fair number of modern plays like those of Shaw, Tennessee Williams and Eugene O'Neill. In this manner the Society aims at bringing to life the great classics of English drama by means of the vivid art of the stage. In the process it hopes to impart both delight and wholesome training to a large number of young members of the University who offer the share in the Society's work.

6. Students' Common Room

The University has two Common Rooms on the campus—one for men students and the other for women students. Cafeterias are also attached to both the rooms. A third hall for non-resident students has been constructed at a cost of Rs. 1,39,000/- with the help of grants from the University Grants Commission, the Government of Gujarat and the Students' Association of the Faculty of Technology and Engineering near the Faculty of Technology and Engineering. The common rooms provide facilities for indoor games such as Carrom, Draughts, Chess, Table-Tennis, etc. Reading materials like daily newspapers, periodicals and a small

collection of books are also provided in the rooms. Committees consisting of the members of the teaching staff look after the arrangements of the rooms. The rooms are also used for the meetings of different students' association, social functions, indoor games and tournaments.

7 Hobby Workshop

The University constructed a building and purchased equipments out of the grants of the University Grants Commission for establishment of a Hobby Workshop in this University. The Centre started working since the 18th January 1961. It provides facilities for different hobbies *viz.*, Music, Carpentry, Clay Modelling, Electronic and Electrical Appliances and Photography. 210 students were enrolled for these hobbies in the year 1962-63 against 121 in the year 1961-62. Eight part-time instructors look after the conduct of different hobbies and provide necessary instructions to students. The students of the Workshop celebrated the Annual Day on the 25th February, 1963 and the Pro-Vice-Chancellor, Dr. C. S. Patel was the Chief Guest of the function of small exhibition of various items of different hobbies prepared by the students was also arranged on the occasion.