

# Contents

<b>1</b>	<b>College Governance</b>	<b>1</b>
1.1	Governing Body	2
1.2	Governing Body of the College (Under Autonomy)	2
1.3	College Administration and Services	2
1.4	Academic Council	3
1.5	Internal Quality Assurance Cell (IQAC)	4
1.6	College Development Committee (CDC)	4
1.7	Finance Committee	4
1.8	College Address	5
1.9	Right to Information (RTI) Queries	5
1.10	Institutes that Co-Exist on the Campus	5
<b>2</b>	<b>College Profile</b>	<b>7</b>
2.1	College History	7
2.2	Recent Achievements of the College	7
2.3	Undergraduate Courses Offered	8
2.4	PG and Ph D Courses and Subjects Offered	10
<b>3</b>	<b>College Facilities</b>	<b>11</b>
3.1	Core Infrastructure	11
3.2	Core Forums	13
3.3	Additional Academic Facilities	15
3.4	Co-Curricular and Extra-Curricular Facilities	16
3.5	College Associations	18
<b>4</b>	<b>College Admission Process</b>	<b>21</b>
4.1	Admission Policy	21
4.2	Admission Procedures	22
4.3	Eligibility Certificate	24
4.4	Fees for Senior College	24
4.5	Fee Concession for BC students	24
4.6	Information on Scholarships, Freeships and Awards	25
<b>5</b>	<b>Academic Guidelines under Autonomy</b>	<b>27</b>
5.1	Background of College Autonomy	27
5.2	Assessment	27
5.3	Passing Norms	29
5.4	Gracing Norms	30
5.5	Results	30
5.6	Attendance	31
5.7	Rules for Extracurricular Credit (ECC) Activities	32
5.8	Social Involvement Programme (SIP)	32
5.9	Internship/Fieldwork Experience Credit	33
5.10	Transfer of Credit	33
5.11	Letters of Recommendation (LoR) by College	34
5.12	Parents' Collaboration	34
5.13	Addendum	35



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<b>6</b>	<b>New Education Policy 2020</b>	<b>37</b>
6.1	New Education Policy 2020 . . . . .	37
6.2	UG Education under the aegis of NEP 2020 . . . . .	37
6.3	Bachelor of Arts Programme . . . . .	42
6.4	Bachelor of Science Programme . . . . .	43
6.5	Bachelor of Commerce Programme . . . . .	45
6.6	Self Financed Courses . . . . .	46
6.7	Credit Structure of Post Graduate Courses . . . . .	50
<b>7</b>	<b>Undergraduate (Aided) Courses</b>	<b>53</b>
7.1	Bachelor of Arts Programme . . . . .	53
7.2	Bachelor of Science (B.Sc.) Programme . . . . .	62
7.3	Bachelor of Commerce . . . . .	71
<b>8</b>	<b>Undergraduate (Self-Financed) Courses</b>	<b>75</b>
8.1	BMS (Bachelor of Management Studies) . . . . .	76
8.2	B A (Mass Communication & Journalism) . . . . .	79
8.3	B Sc - IT (Information Technology) . . . . .	83
8.4	B SC (IT) Semester I . . . . .	83
8.5	B SC (IT) Semester II . . . . .	84
8.6	B SC (IT) Semester III . . . . .	84
8.7	B SC (IT) Semester IV . . . . .	84
8.8	B SC (IT) Semester V . . . . .	85
8.9	B SC (IT) Semester VI . . . . .	85
8.10	B Com (Accounting and Finance) . . . . .	86
<b>9</b>	<b>Postgraduate Science (Aided) Courses</b>	<b>91</b>
9.1	M. Sc. Programme: An Overview . . . . .	91
9.2	Credit Structure of PG Courses . . . . .	92
9.3	M.Sc. Botany . . . . .	93
9.4	M.Sc. (Geology) . . . . .	95
9.5	M.Sc. (Life Sciences) . . . . .	97
9.6	M.Sc. (Microbiology) . . . . .	100
<b>10</b>	<b>Postgraduate Arts (Aided) Courses</b>	<b>103</b>
10.1	M.A. (Ancient Indian History, Culture & Archaeology) . . . . .	103
10.2	Credit Structure . . . . .	104
<b>11</b>	<b>Postgraduate Science (Unaided) Courses</b>	<b>107</b>
11.1	M.Sc. (Big Data Analytics) . . . . .	107
11.2	M.Sc. (Biotechnology) . . . . .	109
11.3	M.Sc. (Physics) . . . . .	112
<b>12</b>	<b>Postgraduate Arts (Unaided) Courses</b>	<b>115</b>
12.1	Credit Structure of Post Graduate Courses . . . . .	115
12.2	M.A. in Public Policy . . . . .	115
12.3	M.A. (Economics) . . . . .	118
12.4	M.A. (Psychology) . . . . .	121
12.5	Psychology Credit Structure . . . . .	121
<b>13</b>	<b>Ph D Programmes</b>	<b>123</b>
13.1	Ph.D. Programme Details . . . . .	123
13.2	Research Spaces/Facilities . . . . .	123
13.3	Departments' Information . . . . .	124
<b>14</b>	<b>Short-Term Courses</b>	<b>127</b>
14.1	PG Diploma in Bioinformatics . . . . .	127
14.2	Diploma in Clinical Research . . . . .	128
14.3	Diploma in Forensic Science and Criminal Law . . . . .	128
14.4	Online Certificate Course in Forensic Science . . . . .	129



14.5 Diploma in Gemmology . . . . .	130
14.6 Certificate Course in Practical Gem Appreciation and Identification . . . . .	130
14.7 Certificate Course in Plantsmanship with Basic Garden Hardscaping Material and Tools . . . . .	130
14.8 Certificate Course in Basic Python . . . . .	131
14.9 PG Diploma in Counselling Psychology (XICP) . . . . .	131
14.10 Certificate Course in Personal Counselling . . . . .	132
14.11 PG Diploma in Expressive Arts and Therapy . . . . .	132
14.12 Online Diploma in Inter-Religious Traditions . . . . .	133
14.13 Online Diploma in Comparative and Applied Ethics . . . . .	134
14.14 Certificate Course in Ancient Indian History, Culture and Archaeology . . . . .	136
14.15 Online Certificate/Diploma in Intellectual Property Rights (IPR) . . . . .	136
14.16 PG Diploma in Tourism Management (PGD-TM) . . . . .	138
14.17 Laboratory Instrumentation and Techniques in Biology . . . . .	139
14.18 For Courses conducted by XIC . . . . .	139
<b>15 Faculty . . . . .</b>	<b>141</b>
15.1 Faculty of Arts . . . . .	141
15.2 Faculty of Science . . . . .	142
15.3 Faculty of Commerce . . . . .	144
15.4 Research Departments . . . . .	145
15.5 Department of Inter-Religious Studies . . . . .	145
15.6 Language Laboratory . . . . .	145
<b>16 Non-Teaching Staff . . . . .</b>	<b>147</b>
16.1 General Office . . . . .	147
16.2 Treasure's Office . . . . .	147
16.3 Library Staff . . . . .	147
16.4 Laboratory Assistants . . . . .	147
16.5 Laboratory Attendants . . . . .	148
16.6 Peons . . . . .	148
16.7 Multi-Media Operators/Technicians . . . . .	148
16.8 Examination Centre . . . . .	148
16.9 Knowledge Centre . . . . .	148
16.10 Campus Maintenance Staff . . . . .	148
16.11 Research Laboratory Support Staff . . . . .	149
16.12 Social Involvement Programme Staff . . . . .	149
16.13 Hostel . . . . .	149
16.14 Heras . . . . .	149
16.15 XRCVC and Inclusion Centre . . . . .	149
16.16 Indian Music Group . . . . .	149
16.17 Xavier's Development Programme . . . . .	149
16.18 Documentation Centre . . . . .	149
<b>17 General Rules &amp; Quality Mechanisms . . . . .</b>	<b>151</b>
17.1 Introduction . . . . .	151
17.2 Regulations on RAGGING and SUBSTANCE Abuse . . . . .	151
17.3 College Identity Card (IDC) . . . . .	151
17.4 Use of Facilities . . . . .	151
17.5 Use of Unfair Means at Exams . . . . .	152
17.6 Mobile Phones and Other Electronic Gadgets . . . . .	152
17.7 College/Department Fests/Programmes . . . . .	152
17.8 Women Students . . . . .	153
17.9 The Right to Dissent and Right to Resolve Conflict . . . . .	153
17.10 Dress Code . . . . .	153
17.11 Class Picnics . . . . .	153
17.12 Undertakings . . . . .	153
17.13 Library Rules . . . . .	153
17.14 Quality Mechanisms and Best Practices . . . . .	154
17.15 Enquiry and Project Based Learning Processes . . . . .	154



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17.16 Soft Skill Development and Collateral Programmes . . . . .	155
17.17 Annual Theme . . . . .	155
<b>18 Academic Calendar 2023-24</b>	<b>157</b>
18.1 Odd Semester . . . . .	157
18.2 Even Semester . . . . .	158
<b>19 College Student Achievers 2022-23</b>	<b>161</b>

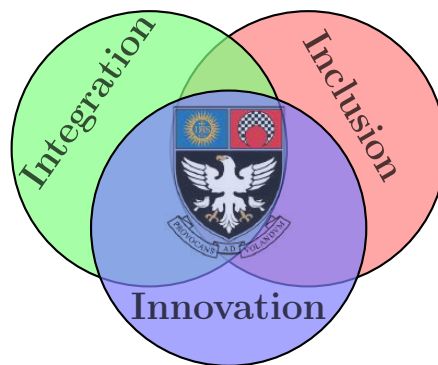
# 1. College Governance

## College Vision-Mission Statement

Celebrating over 154 years of "*Provocans ad Volandum*" ("Challenging to Fly")

**VISION:** An academic community dedicated to the holistic education of future leaders who will Demonstrate innovation in their professional competencies, integration in their personal lives and inclusion in their social contribution.

**KEY VALUES:** Innovation, Integration, Inclusion



## MISSION

### A Training for **PROFESSIONAL INNOVATION**

1. Ensuring competence, and provoking excellence and brilliance
2. Stimulating critical and creative thinking
3. Promoting multi-disciplinary learning, research and publication
4. Linking studies with contemporary industry developments and applications
5. Making core competencies socially and environmentally beneficial

### B Cultivating **PERSONAL INTEGRATION**

1. Fostering confidence, motivation and vision
2. Upholding honesty, transparency and accountability
3. Facilitating emotional, interpersonal, social and spiritual intelligence
4. Developing organisational and leadership skills
5. Encouraging creative and collaborative engagement in curricular and co/extracurricular activities

### C Advocating **SOCIAL INCLUSION**

1. Respecting the dignity of others and practising compassion and concern
2. Appreciating cultural pluralism and diversity
3. Striving for social justice, harmony and solidarity
4. Caring and providing for the marginalized and disadvantaged
5. Strategising to protect the natural environment



### 1.1 Governing Body

Fr. Anil Pereira S.J.	Provincial, Chairperson and Trustee
Dr. (Fr.) Keith D'Souza S.J.	Rector, Vice Chairperson and Trustee
Dr. (Fr.) Conrad Pessa S.J.	Secretary and Trustee
Fr. Arun de Souza S.J.	Members
Dr. (Fr.) John Rose Santiago S.J.	
Fr. Jude Fernandes S.J.	
Name of Trust: The Bombay St. Xavier's College Society	

### 1.2 Governing Body of the College (Under Autonomy)

Dr. (Fr.) Keith D'Souza S.J.	Chairperson
Dr. (Fr.) Conrad Pessa S.J.	Management Representatives
Mr. V. V. Dalvie	
Fr. Arun de Souza S.J.	
Fr. Luke Rodrigues S.J.	
Prof. (Ms.) Anushree Lokur	
Prof. S.K. Bansal	Vice Chancellor's Nominee
Joint Director (Higher Education)	UGC Representative
Dr. (Ms.) Karuna Gokarn	Government Representative
Dr. (Ms.) Madhuri Hambarde	IQAC Director
Sr Ananda Amritmahal	Faculty Representative
Dr. Rajendra Shinde	Educationist
	Ex-Officio Secretary

### 1.3 College Administration and Services

Principal	Dr. Rajendra Shinde
Vice-Principal (Academics)	Dr. (Ms.) Karuna Gokarn
Vice-Principal (Arts)	Dr. (Ms.) Annapurna S.
Vice-Principal (Science)	Mr. Marazban S. Kotwal
Vice-Principal (Commerce)	Dr. Sanjay Parab
Dy. Controller of Examinations	Ms. Saima Khan
Registrar	Mr. Peter D'Monte
College and Trust Treasurer	Dr. (Fr.) Conrad Pessa S.J.
I/C Librarian	Ms. Sonali Paradkar
Director, Sports	Dr. Thomas Pires
Director Wellness Centre	Fr Francis de Melo S.J
Student Counsellor	Dr. Nirmala Almeida
Director, S.S.L.	Fr. Vivian Almeida S.J.
Director, International Programmes	Dr. (Ms.) Prasita Mukherjee
Director, Heras	Dr. (Fr.) Arun de Souza S.J.
Director, Knowledge Centre	Fr. F. Baretto. S.J.
Director, X.D.P.	Dr. (Fr.) Keith D'Souza, S.J.
Director, D.I.R.S.	Dr. (Fr.) Keith D'Souza S.J.
Language Lab-in-Charge	Ms. Jyoti More
Administrative Officer	Mr. Alvin Mendonsa
Hostel - Management Representative	Dr. Agnelo Menezes



## 1.4 Academic Council

Names	Department
Dr. Rajendra Shinde	Chairperson
Dr. Karuna Gokarn	Member Secretary
Dr. Anita Rane-Kothare	A.I.H.C.A.
Dr. Suvaiba Pirani	Commerce (for Arts)
Dr. Aditi Sawant	Economics
Dr. Rashmi George	English
Ms. Alpana Palkhiwale	French
Dr. Bhagwati Upadhyay	Hindi
Dr. Avkash Jadhav	History
Dr. Pratibha Naitthani	Political Science
Ms. Ruby Pavri	Psychology
Dr. Fr. Arun de Souza	Public Policy
Dr. Pranoti Chirmuley	Sociology and Anthropology
Ms. Sandra Kaushik Rana	Dean, Xavier Institute of Communication
Ms. Sony G. Tharakan	Management Studies
Ms. SP Periyannayagi	Mass Media
Dr Sanjay Parab	Commerce
Mr. Alok Gude	Botany
Dr Hrishikesh Samant	Geology
Mr. Marazban Kotwal	Chemistry
Dr. Prashant Ratnaparkhi	Life Science and Biochemistry
Ms. Meenal Kolkar	Mathematics
Dr. Sangeeta Chavan	Microbiology
Mr. Rajesh Singh	Physics
Mr. Saju George	Statistics
Dr. Madhuri Hambarde	Zoology
Dr. Shiney Peter	Biotechnology
Mr. Thomas Roy	Information Technology
Dr. H. Samant	Nominated Faculty
Dr. (Ms.) Annapurna S.	
Dr. Pushpa Sinkar	
Prin. (Dr.) Suchitra Naik	University Nominee
Prin. Madhav Rajwade	
Prin. Sonali Pednekar	
Dr (Sr) Ananda Amritmahal	GB Nominee; Education
Dr Rahul Verma	GB Nominee; Medicine
Dr Soumyajit Mukherjee	GB Nominee; Research
Mr. Srinivas Garimella	GB Nominee; Industry
Mr. Kishu Daswani	GB Nominee; Law



### 1.5 Internal Quality Assurance Cell (IQAC)

Dr. Rajendra Shinde	Chairperson
Dr. (Fr.) Keith D'Souza SJ	Management Representative
Dr. (Fr.) Conrad Pessa SJ	Treasurer and Secretary
Dr. Karuna Gokarn	IQAC Director
Mr. Marazban S. Kotwal	Vice Principal Science
Dr. (Ms.) Annapurna S.	Vice Principal Arts
Dr. Sanjay Parab	Vice Principal Commerce
Ms. Alpana Palkhiwale	Faculty Representatives
Dr. Binoj Kutty	
Dr. Jotiram Gaikwad	
Dr. (Ms.) Neelam Shetty	
Ms. Norine D'Souza	
Dr. Priya Sundarrajan	
Ms. Saima Khan	College Controller of Exams
Mr. Peter D'Monte	Registrar
Dr. Aldon Fernandes	Industry Expert
Dr. Geeta Ibrahim	Education Expert
Mr. Sunetro Ghoshal	Social Sector Expert
Ms. Piyali Unnikrishnan	Parent
Mr. Mridul Jain	Student Council Representative

### 1.6 College Development Committee (CDC)

Chairperson of the Management	Dr. (Fr.) Keith D'Souza S.J.
Secretary of the Management	Dr. (Fr.) Conrad Pessa S.J.
Industry	Mr. Ranjan Bandopadhyay (Tata Electronic)
Research	Prof. Dr. Soumyajit Mukherjee (IIT, Mumbai)
Social	Ms. Reny Rajan (Nirmala Niketan) – Alumna
HOD nominated by the Principal	Ms. Ruby Pavri
<b>Three Elected Teachers</b>	
1. Women Category	.....
2. Two Teachers	Dr. (Ms.) Madhuri Hambarde
	Dr. Sanjay Parab
Non-Teaching Staff (Elected)	Mr. Anthony Thomas
<b>Four Local Members Nominated by the Management</b>	
IQAC Director	Dr. (Ms.) Karuna Gokarn
General Secretary of Student Council	Mr Mridul Jain
Treasurer of Student Council	
Principal (Member Secretary)	Dr. Rajendra Shinde

### 1.7 Finance Committee

Dr. Rajendra Shinde	Chairperson
Mr A A Phalanikar	University Representative
Dr. (Fr.) Conrad Pessa S.J.	College Treasurer
Dr. Sanjay Parab	Faculty
Dr. (Ms.) Annapurna S.	Invitees
Dr. Hrishikesh Samant	





## 1.8 College Address

The Principal  
 St. Xavier's College,  
 5, Mahapalika Marg,  
 Mumbai 400-001, Maharashtra, India.  
 Phone: 91-22-22620661/2/5 or 91-22-22625195  
 Fax: 91-22-22617677 or 91-22-22659484  
 Email: webadmin@xaviers.edu Website: [www.xaviers.edu](http://www.xaviers.edu)

### 1.8.1 Contact Numbers of Other Facilities On Campus

Administrator	22632024	General Office (Direct):	22613358
Wellness Centre	22625195	Library:	22703522
Hostel:	22621785	X.R.C.V.C.:	22623298
I.M.G.:	22634558		

## 1.9 Right to Information (RTI) Queries

Public Information Officer (PIO)	Ms Grizel Menezes
Assistant Public Information Officer	Mr Bipin Patil
Appellate Authority	Principal

For details please refer to the College Website (RTI) Manual.

## 1.10 Institutes that Co-Exist on the Campus

1. Xavier's Institute of Management and Research (XIMR) Tel. No. 22650608/09
2. Xavier's Institute of Counselling Psychology (XICP) Tel. No. 9324084592; [xicp.xaviers.edu](http://xicp.xaviers.edu)
3. Xavier's Institute of Communication (XIC), Tel. NO 022-621366

Please get in touch with them directly for information about their Courses and the like, either through the link entitled 'INSTITUTES', on the Homepage of our Website or through the respective Institute's given Telephone Number(s).



## 2. College Profile

### 2.1 College History

ST. XAVIER'S COLLEGE was founded in 1869 by the Society of Jesus, a Christian Religious Organisation started by St. Ignatius of Loyola. Since its very inception, the Society has significantly contributed to the field of education throughout the world, inspired by a vision of the human, drawn from the life, teachings, and personality of Jesus Christ. In India, it was St. Francis Xavier, after whom the College is named, who began the educational work of the Society of Jesus. At present, in India, the Society runs 36 Pre-Primary/Primary/Middle Schools, 130 High Schools, 20 Technical Institutes, and 33 Colleges. All these institutions form a part of the effort of the Catholic Church to share in the vital task of education.

St. Xavier's College is a Christian institution, that started with the purpose of educating the Christian community in India. It extends its services to members of other communities in an effort at building a truly inter-religious and intercultural human community in the country. On January 30, 1869, it was affiliated to the University of Mumbai. It became a Constituent College of the University, as a result of the Mumbai University Act 1953. It is entrusted by the University with the task of preparing students for degrees in Arts, Science, Commerce, Mass Media, Management Studies, and Information Technology.

St. Xavier's College looks upon itself as an academic community where scholars, both students and teachers, have the freedom and responsibility to communicate, evaluate and enlarge humankind's store of knowledge. The College stands for academic excellence and endeavour to create an environment, which generates a love of learning, a habit of critical thinking, and the ability for accurate expression. It strives after character formation based on the love of God and the service of humanity, with a view to training citizens, who will be remarkable for all-round development and a sincere commitment to God and Country.

St. Xavier's College, thus, endeavours to contribute to the necessary transformation of the prevailing social conditions. This transformation envisages that the principles of social justice, equality of opportunity, genuine freedom, and respect for religious and moral values enshrined in the Constitution of India, shall be upheld and that all men and women shall live in keeping with their human dignity and self-respect. The environment and inclusive education are of special concern to St. Xavier's College. Hence, the College strives towards making a committed and significant contribution towards these issues.

The Society of Jesus exercises its responsibility over St. Xavier's College through a Governing Body, whose Chairman is the Provincial of the Mumbai Province of the Society, the Vice-Chairman is the Rector of the College and the Secretary is the Governing Body's Chief Executive. St. Xavier's College (an Empowered Autonomous College, affiliated with the University of Mumbai), conducts the B.A., B.Sc., and B.Com. Government Aided Degree Courses on campus along with the B.A.-M.C.J., B.M.S., B.Sc. I.T. and B.Com (BAF) Degree Courses on a Self-Financing Basis. Masters Courses (Aided) in Botany, Geology, Life Sciences, Microbiology and Ancient Indian History, Culture and Archaeology, M.Sc. (Self-Financing) in Biotechnology, Physics, Big Data Analytics, and M.A. (Self-Financing) in Public Policy, Psychology and Economics are also conducted.

Diploma/Certificate courses on Bioinformatics, Clinical Research, Forensic Science and Criminal Law, Gemmology and Gem Appreciation, Applied Philosophy and Ethics, Counselling Psychology, Expressive Arts Therapy, and Aspects of Ancient Indian History, Culture, and Archaeology are also held in collaboration with other Institutions or groups.

### 2.2 Recent Achievements of the College

**2.2.1 Empowered Autonomous Status:** In July 2023 the UGC extended the **empowered autonomy** to St. Xavier's College, Mumbai for 10 years till 2034 which allows SXCM to award joint degrees with the



University of Mumbai.

**2.2.2 Autonomy Extension:** On 06.07.2023, the UGC granted the extension of autonomy for 10 year from 2023-24 to 2032-33.

**2.2.3 Education World Higher Education Ranking 2022-23:** 1st among top private autonomous colleges in India. Has been ranked 1st since 2019-20.

**2.2.4 MHRD’s National Institute Ranking Framework (NIRF) (2022):** 87th Rank (College Category) at the National level.

**2.2.5** College secured an **A+ Grade (GPA: 3.27/4)** in the fourth cycle of accreditation (2022) by NAAC.

**2.2.6** St. Xavier’s College has been recognized as the **Best Education Brand 2018-19** by the Economic Times.

**2.2.7** The College has been conferred the **Nipman Foundation Microsoft Equal Opportunity Awards 2018** in the Enabler Category of Inclusive Schools – Higher Education.

**2.2.8 Department of Biotechnology (DBT) Star Status**(2014) to Botany, Chemistry, Life Science, Microbiology, Physics & Zoology. **DBT Star Scheme Grant** to Mathematics (2015) & Statistics (2016).

**2.2.9 Heritage Grant (2015)** awarded by the UGC, under the MHRD, Government of India.

**2.2.10 ‘College of Excellence’ Award** (April 2014) by the UGC, under the MHRD, Government of India.

**2.2.11** Certificate of Excellence by the Associated Chambers of Commerce & Industry of India (ASSOCHAM) for Best Institute Serving a Social Cause (February 2014).

### 2.3 Undergraduate Courses Offered

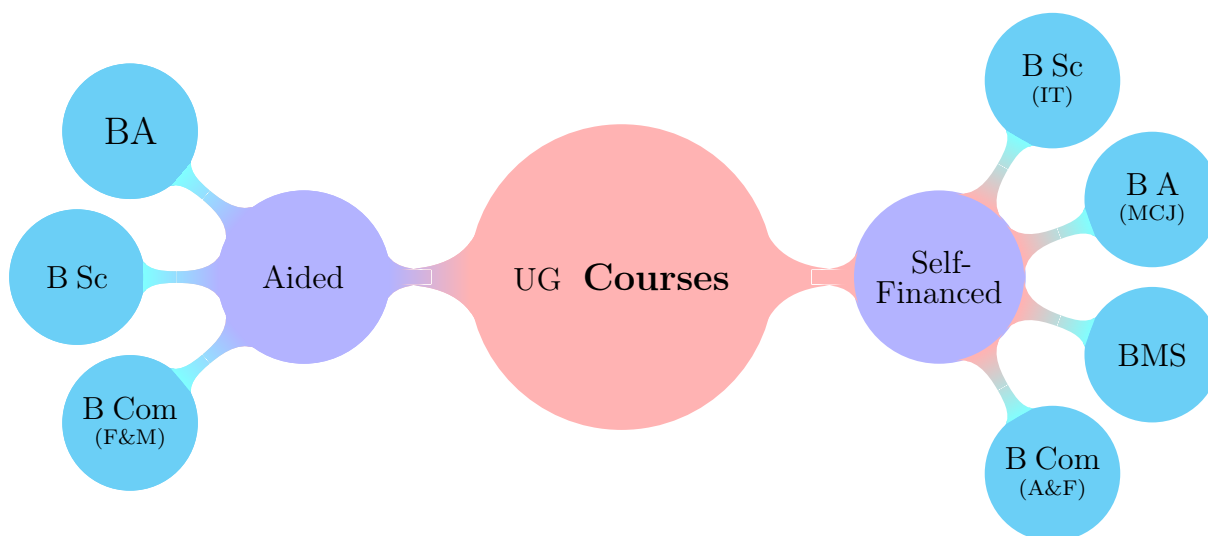
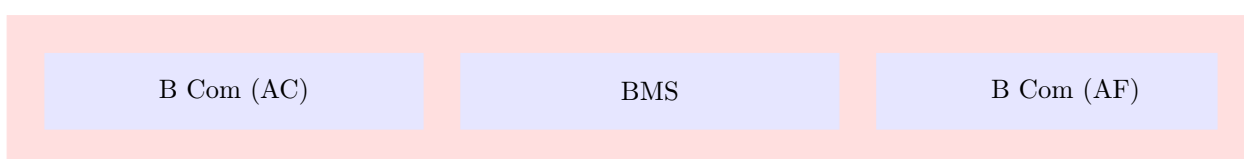


Figure 2.1: Undergraduate Courses

#### 2.3.1 Subjects Offered in Commerce Faculty





### 2.3.2 Subjects Offered in Arts Faculty

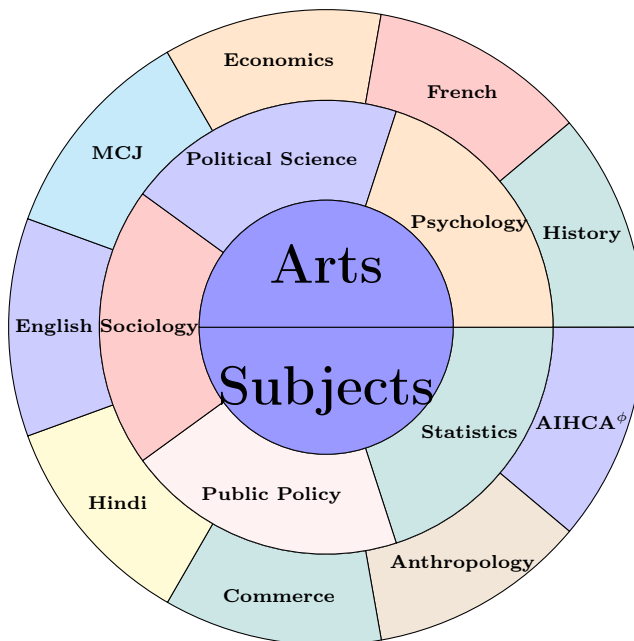


Figure 2.2: Subjects offered in Art Faculty

AIHCA - Ancient Indian History, Culture and Archaeology

### 2.3.3 Subjects Offered in Science Faculty

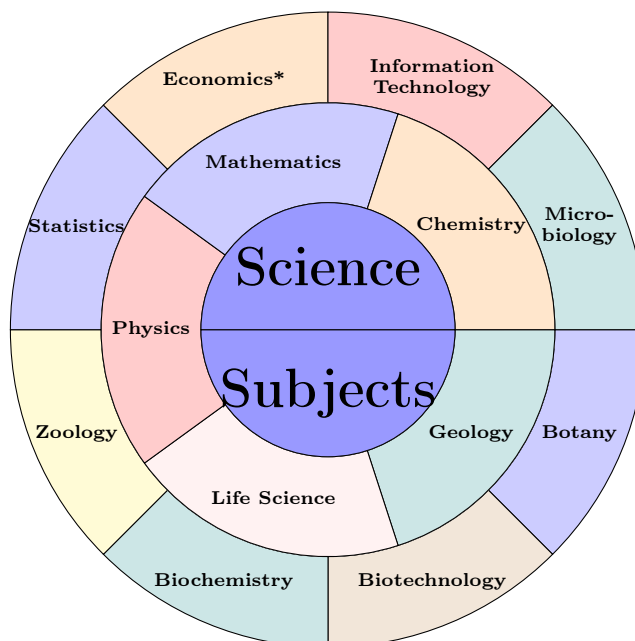
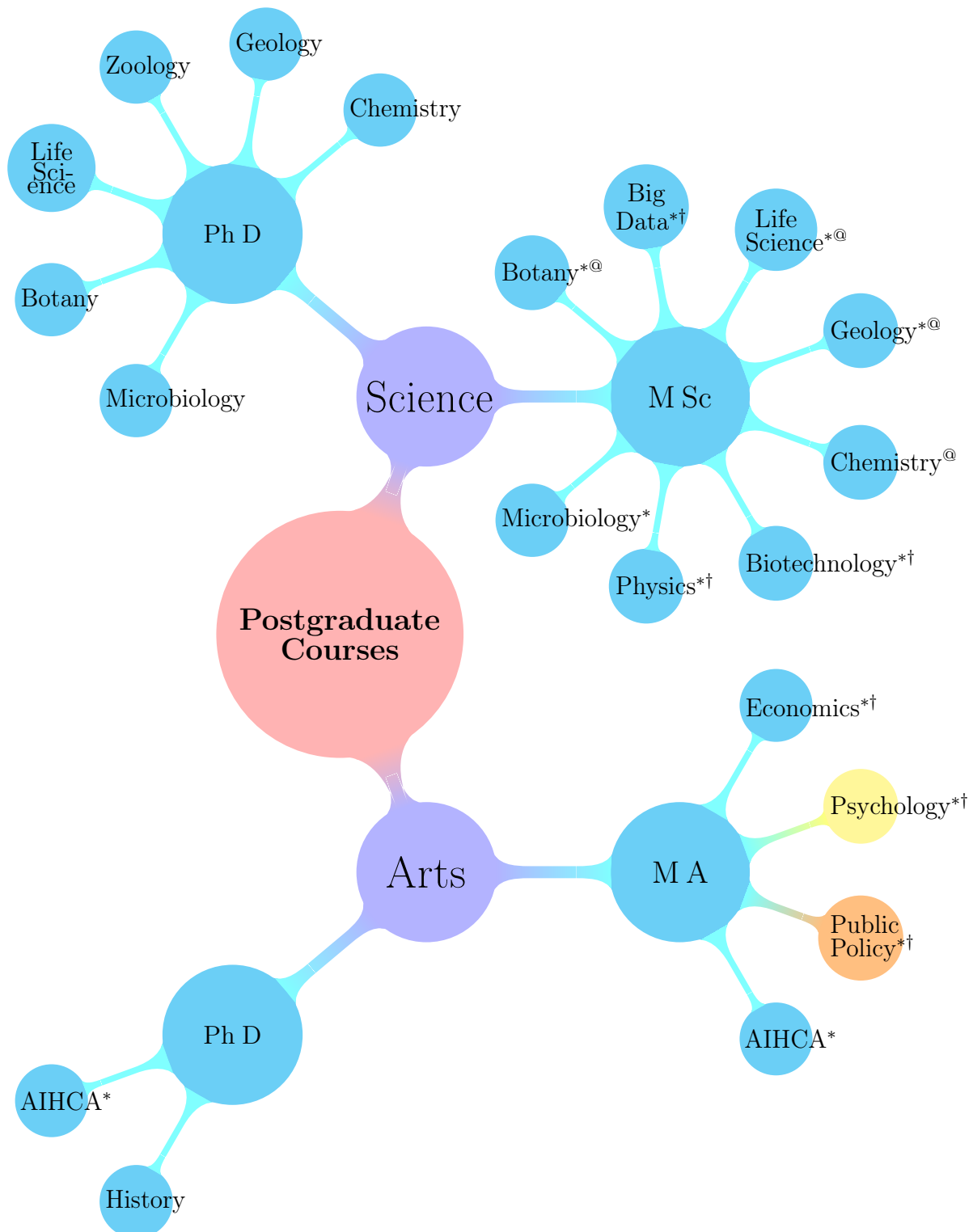


Figure 2.3: Subjects offered in Science Faculty



## 2.4 PG and Ph D Courses and Subjects Offered



Note: \* - by papers, @ - by research, † - self-financed,  
AIHCA - Ancient Indian History, Culture and Archaeology

## 3. College Facilities

### 3.1 Core Infrastructure

#### 3.1.1 Library (1887-88):

The College Library provides print and electronic resources for all academic and related activities of the students and staff, services for the retrieval and use of these resources and adequate infrastructure and spaces for their use. An online database of the books and journals is maintained and access to these is provided through five OPAC (On-line Public Access Catalogue) terminals in the library and a link on the College website. The library has initiated an Institutional Repository by digitalising rare books and college publications. The library is open from 9.00 a.m. to 8.00 p.m. on all working days only.

**3.1.1.1 Reference Library (RL) (1937):** The heritage-structured RL has Reserve Counters with textbooks, current issues and bound volumes of journals, reference books, special collections, two peer-learning cubicles for group discussions and study, a separate study area for staff, electric charging points, Wifi along with six terminals for internet access and CD/DVD viewing (of which two are reserved for Staff). A photocopying facility exists near the RL.

**3.1.1.2 Lending Library (LL) (1977):** The open-access LL with a mezzanine floor, houses about 60,000 books. The LL has a paperback collection, newspapers and magazines reading facilities, the Issue and Return Counters and reading spaces.

#### 3.1.2 Computer Center (2006)

It is called the 'Xavier Knowledge Centre'. It is solar-powered and is situated on the first floor of the Hostel Building and includes 5 Computer Laboratories having about 125 computers in all. One of the Computer Labs has a Video Conferencing facility. The Centre supports all the curricula computer courses. It also holds courses in collaboration with other organizations.

#### 3.1.3 Gymkhana (1954)

It is called the Fell Gymkhana (after its founder Fr. Fell S.J.) It has facilities for Body-Building, Badminton, Table-Tennis, Carrom and Chess. The College has full-size Basketball and Volleyball Courts. The college has leased from the BMC the use of a cricket pitch on Azad Maidan.

#### 3.1.4 Multi-Media Centres

**3.1.4.1 The Smith Centre for Audio-Visual Instruction (SCAVI):** The SCAVI was inaugurated in December 1979. It has audio-visual instruments and techniques at the service of staff and students. It has been renovated under grants from the Sir Dorabjee Tata Trust.

**3.1.4.2 The Multi-Media Room (MMR):** is a centralised facility for Multimedia-based instructions and presentations for our staff and students. It has been renovated under grants from the Sir Dorabjee Tata Trust.

**3.1.4.3 S. H. Mehta Hall:** was inaugurated in February 2020, with a grant from the Onward Foundation, in memory of our alumna Shaila Mehta. It is an auditorium-style hall, with audio-visual equipment for regular class use as well as special occasions.

**3.1.4.4 Classroom Podium 2022:** 20 classrooms were equipped **podiums** with all digital preparedness. The project was sponsored by RUSA.



### 3.1.5 Common Rooms

There are separate common rooms for male and female students as well as for the teaching and non-teaching staff members.

### 3.1.6 Canteen and Foyer

This is a spacious area with a view of greenery. A variety of refreshments and meals are available here. It is a place on the campus not only for leisure and refreshment but also for students to bond, discuss and even work on assignments and projects.

### 3.1.7 Hostels

The Campus Hostel can accommodate 104 male students. Only First and Third Years UG students and PG (I and II) students are admitted into the Hostel. A part of the College Canteen functions as the Hostel Mess and it serves subsidised meals and refreshments to hostelites and guests. The rooms in the hostel are either for 2, 3 or 4 occupants. Applications are accepted only after admission to the College has been secured.

The College has an additional hostel facility at Seva Niketan (Byculla) which is also run by the Jesuits in collaboration with the Management of the College. It houses another 75 male students of the College.

Many of our women students stay at Regina Pacis Hostel (Byculla), Missionary Settlement for University Women (Mumbai Central) and Savitribai Phule Hostel (Charni Road). Besides this, the college has approached the 'Your Space' hostel agency to run dedicated hostels for the women students at our college.

### 3.1.8 Counselling Centre (1954)

It provides: Personal Counselling - Interviews for better Personal and Social Adjustment; Personality Evaluation Tests for Self-Improvement; Vocational Testing; Information on Careers, Professions and Specialised Studies in India and abroad; Information on Scholarships and Financial Assistance Schemes. It also helps in organising Orientation Programmes for the newly admitted students. Since 2018, its scope has been expanded and it is now called the Wellness Centre

### 3.1.9 Placement Centre

This Centre endeavours to bring reputable companies for campus placement of our students. It also trains students to write their CV and get acquainted with the selection process of corporates. A Staff-Student Committee operates this Centre.

### 3.1.10 First-Aid Centres

Basic 'First-Aid' is available with the College General Office (CGO) (Ms. Grizel Menezes) and the S.I.P. Office. The CGO personnel will facilitate the calling of a doctor in case of an emergency or the shifting of the concerned person to either G.T. Hospital or Bombay Hospital. A stretcher and wheelchair are available with the Gate-Security. Bombay Hospital and Ziqitza Healthcare Limited (Ambulance Service Providers) will be assisting our college in case we require quick medical help as well as ambulance facility.

### 3.1.11 Administrator's Office and Workshop

This Office coordinates all the maintenance services on the campus.

#### 3.1.11.1 Disaster Management

**In case of campus mishaps, they must be reported to,  
The College Administrator (Ex. 108) or  
The College Receptionist (Ex. 100) or  
The Principal (Ex. 101).**

**College authorities could also be contacted on phone lines:  
22620661 or 22620665**





### 3.1.12 St. Xavier's Villa (Khandala)

It is spacious set up in the midst of the Khandala hills and dales. It is about 20 minutes' walk from the Khandala Railway Station. It is open to the College staff and students for retreats, seminars and educational conferences. It includes a small chapel, a dining room, two conference halls and about 40 rooms (with single, double or triple occupancy). A caterer provides regular meals. Bookings must be made through the Treasurer's Office of the College.

### 3.1.13 The Xavier's Merchandise Shop (XMS)

On the ground floor of the Administration Building, is an outlet of the Xavier's Development Programme (XDP).

## 3.2 Core Forums

### 3.2.1 Students' Council

The College has a long tradition of student participation in decision-making. Students on the Council serve as representatives of the students of each class. This year, the Student Council members will be elected as per the Government of Maharashtra, Higher Education Department's Order dated 26<sup>th</sup> October 2018 or as advised otherwise by the Maharashtra Government.

### 3.2.2 Extra-Curricular Committee (ECC)

It consists of faculty and students. It coordinates all the cultural and other extra-curricular activities on campus. It also monitors the extracurricular involvement of each student in his/her attempt at completing the requisite hours of such activities to earn the mandatory Extra-Curricular Non-Academic Credits (non-NEP). Students should check the College website for the ECC data submission procedure.

### 3.2.3 Grievance Redressal Mechanism ([grc.xaviers.edu](http://grc.xaviers.edu).)

As per the University of Mumbai Circular No. DSD/05/of 2019 and GR dated 27/02/2019, the College Grievance Redressal Cell (CGRC) consists of the Principal (Chairperson of the CGRC), one Senior Faculty Member - Dr. Annapurna S, Vice Principal (Arts), and Member Secretary – Dr. Prashant Ratnaparkhi. The CGRC looks into formal complaints (in a gender-neutral manner) made by students or faculty and recommends action to the Principal. Complaints may be made either to the Principal or directly on the online portal: [grc.xaviers.edu](http://grc.xaviers.edu).

**3.2.3.1** For academic grievances, the student should first approach the Head of the Department concerned, if the teacher in question is not open to dialogue. The student may then use the online portal mechanism to complain using the link [grc.xaviers.edu](http://grc.xaviers.edu).

**3.2.3.2** For personal matters or regarding facilities on campus, students are encouraged to meet their teachers or the concerned Vice Principal, or even the Principal.

**3.2.3.3 Anti-Ragging Committee:** The College has an 'Anti-Ragging Cell' to address grievances on ragging matters (which is strictly prohibited on campus). The convener of the cell is Prof Dr Hrishikesh Samant, HOD, Geology. The Members of this cell are Dr. Annapurna S (Vice Principal of Arts) and Dr. Pranoti Chirmuley.

**3.2.3.4** The Students' Council is also a channel for issues listed in [3.2.3](#)

**3.2.3.5** Suggestions (feedback/feed-forward) to improve the quality of life on campus are welcome.

**3.2.3.6** The College authorities assure confidentiality when complaints are lodged.

**3.2.3.7** College has created a Caste-Based Discrimination Grievances The mechanism for any caste-based discrimination grievances. The aggrieved person(s) may approach the Principal on any such grievances. Alternatively, the person(s) can complain through the online portal – [grc.xaviers.edu/castebaseddiscrimination](http://grc.xaviers.edu/castebaseddiscrimination).

### 3.2.4 Gender Cell (GC)

It coordinates programmes for awareness and action on any gender-specific issues. It also constitutes the Gender Grievance Redressal Cell for complaints of sexual harassment or discrimination.



### 3.2.5 Internal Committee (IC)

It addresses issues about sexual harassment. The convener of the Committee is Dr Sangeetha Chavan, other members being Ms Linda Dhakul, Dr Prashant Ratnaparakhi.

### 3.2.6 Inclusive Education (Provisions for Students with Disabilities)

**3.2.6.1 Inclusive Education Policy:** The College offers support services to students with disabilities through the Enabling Committee. This Committee looks at concerns and solutions for effective Inclusive Education practices. If a current or prospective student with a disability has any queries please contact Dr. Sam Taraporevala or Ms. Poonam Deokar, XRCVC, poonam.deokar@xaviers.edu, or Ms. Shizanne D'mello: shizanne.dmello@xaviers.edu ; sam@xrcvc.org 022-22623298/022-22626329.

**3.2.6.2 Inclusive Education Accommodation Request Process** It is imperative for students with disabilities who seek to have any accommodations during their course of study to complete the process of submitting the Accommodation Intake Form within the first 15 days of having secured admission (for new students) and the Accommodation Continuation Form within 15 days from the start of the new academic year (for students continuing in college). Any delays in not meeting the deadline to submit the form will be taken as the student does not need any accommodation. It should be kept in mind that if the student has not filled in the Accommodation Intake Form, the college is then not mandated to provide any accommodation services.

**3.2.6.3 Accommodations** Any student seeking accommodation needs to seek an appointment with Ms. Poonam Deokar/Ms. Shizanne D'mello, Coordinator, Students with Disability, XRCVC as soon as possible on grant of admission/beginning of the new academic year.

**3.2.6.4** After the meeting with the coordinator, the student is to fill the Intake/Continuation Form within 15 days of granting of admission/start of the academic year. The same must be downloaded from the college website under the Inclusive Education Tab and submitted to Ms Poonam Deokar/Ms. Shizanne D'mello, XRCVC.

#### 3.2.6.5 Last date for submitting the forms for 2023-24:

**3.2.6.5.1 First Year Degree College:** 15 days from the date of being admitted into the College.

**3.2.6.5.2 Second Year and Third Year Degree College :** 16th July 2023 (SY and TY),

**3.2.6.6** The students will be granted their Accommodation Letter after being passed by the Enabling Committee.

**3.2.6.7** The students are then expected to give a copy of this letter to all lecturers teaching them. The student is also expected to share the letter with any new lecturer who starts teaching them during the year. The students are expected to do this within 7 days of being issued the letter or within 7 days of a new lecturer starting to teach. If the student fails to share this letter with respective lecturers, the college may not be able to provide the support granted.

**3.2.6.8** For details of provisions (Academic and Examination) available for students with disabilities please read the Intake Form/Continuation Form.

**3.2.6.9** In case of any grievances with the accommodations granted the students may approach the principal. In case of any Special Request not included in the Intake Continuation Form, the student must make a direct application to the Principal.

**3.2.6.10** To support economically disadvantaged students and thereby get them included in the academic flow of the College Campus, the College has established the Student Beneficiary Fund. It is from this corpus that students' college fees, canteen bills, and even hostel charges are paid. Dr. Manasi Kanuga is currently in charge of this facility, and she acts as the liaison between the deserving students and the SBF. Students must apply for these facilities by handing in an application to Dr. Manasi Kanuga along with the family Salary Slip. She will then present these cases to the Principal, who along with the Treasurer of the College, makes the allocation decision.

#### 3.2.6.11 Inclusive Education Facilities on Campus

**3.2.6.11.1 Xavier's Resource Centre for the Visually Challenged (XRCVC):** This centre for persons with disabilities (PwDs) is supported by individuals, Trusts, and Corporates. It is technologically equipped with various screen readers, screen magnifiers, text-to-speech converters, tactile graphical creation systems, Braille machines, et al., and assistive technologies to help persons with other disabilities. The XRCVC is involved with;



1. **Student Activities:** Student training (computer, mobility, and Braille) and volunteer coordination.
2. **Social Advocacy:** Addressing accessibility issues of PwDs at local, regional, and national levels.
3. **Awareness Generation** on the lives of persons with disabilities among all stakeholders and people at large. Dr. Sam Taraporevala is the moving force behind the centre [website www.xrcvc.org](http://www.xrcvc.org).

**3.2.6.11.2 Enabling Committee:** This Staff-cum-Student Representative Committee addresses all inclusion and accessibility needs and initiatives on campus. Grievances by students with disability can be addressed to this Cell or [principal@xaviers.edu](mailto:principal@xaviers.edu). The Cell is headed by the Principal. For students with disabilities seeking admission to the college please refer to Section 3.2.6 for details on procuring provisions during the study. The students must complete the Intake Form process listed under the said section within 15 days of receiving admission.

For examination accommodation available for students with disabilities and the process to avail the same please refer to Section 3.2.6 and the college website [www.xaviers.edu](http://www.xaviers.edu) tab of Inclusive Education.

As per the Government of Maharashtra GR dated 16 October 2018 and MSJE Guidelines for Benchmark Disabilities - 29 August 2018, some provisions are available during exams (on request and subject to the principal's approval). These may be accessed at <https://sites.google.com/xaviers.edu.in/xrcvc-inclusive-education/xrcvc/inclusive-education-research-reports-circulars?pli=1>. Students with specific medical conditions needing any provisions may contact the principal at [principal@xaviers.edu](mailto:principal@xaviers.edu).

**3.2.6.11.3 Student Inclusion Cell (SIC):** The SIC is a student body that works at inclusion and accessibility on campus. The SIC is headed by an Overall Coordinator and a team selected on an annual basis. The SIC works on diverse projects and events to promote awareness amongst the student community on inclusion and provide support to the College to ensure the effective delivery of the inclusion ethos on campus. The SIC can be reached at [sic.xaviers@gmail.com](mailto:sic.xaviers@gmail.com).

## 3.3 Additional Academic Facilities

### 3.3.1 Blatter Herbarium

It was started at the end of the 19th century. By 1918 a large number of plants were gathered by Fr. E. Blatter S.J., his associates, and students. The Herbarium was named after Fr. Blatter in 1941. It contains the largest collection of plants in Western India. It provides facilities for the study of Plant Systematics and has a well-stocked library on Systematic Botany. The Herbarium has received the Sir Ratan Tata Trust Grant for the up-gradation and digitisation of the plant database. Dr. Rajendra Shinde is the Director.

### 3.3.2 Caius Research Laboratory for Inter-Disciplinary Studies (1947)

It was established to conduct drug research and was named after Fr. J. F. Caius S.J. It has been restructured and equipped with new instruments. It functions as a research and coordination centre for all the Science Departments. In this Lab, a strain of *Streptomyces* was identified. It has been supported by grants from industry, UGC, UNDP, etc. This laboratory also provides facilities for faculty and students from within the College as well as from other Colleges/ Institutes to conduct research projects and internships. Dr. Priya Sundarrajan is the Director.

#### 3.3.2.1 Central Instrumentation Facility (CIF) (2006)

This facility (part of the Caius Research Lab) has sophisticated equipment acquired through a DST-FIST Grant and UGC's 'College of Excellence Scheme'.

### 3.3.3 Heras Institute of Indian History and Culture (1926)

Initially, it was called the Indian Historical Research Institute, by Fr. Henry Heras S.J., and on his death in 1955, it was renamed after him. The Heras Institute, with its well-stocked Research Library and Museum, provides guidance and facilities for Post-Graduate research in Ancient, Medieval and Modern Indian History, Indian Art and Literature, and Indian Religions and Culture. Its Research Journal is called INDICA (since 1964).



### 3.3.4 Nadkarny–Sacasa Research Laboratory (1972)

It provides modern research facilities in Chemistry and connects research with industry. It can support 20 Post-Graduate research students in Chemistry. This laboratory has produced several doctorates, one international and two national patents. Dr. (Ms.) Ashma Aggarwal is the Director.

### 3.3.5 Xavier’s Visual Arts Studio (2014)

It is equipped with professional quality digital cameras (still and moving), lighting equipment, and an A.V. editing setup. This facility is open to all our college students. Students from the Arts and Science faculties use this studio to enhance their course projects with the basic techniques of visual presentation. The Head of the BMM Department, Ms. S.P. Periyarayagi oversees this studio.

### 3.3.6 St. Xavier’s Language Laboratory

It is equipped with the latest in Language Acquisition Technology. It caters to both new and advanced learners in English, Hindi, French, and Marathi. It also helps students to develop their soft skills (e.g., Presentation Skills and Public Speaking Skills). Ms Jyoti More is the instructor.

### 3.3.7 The Xavier Institute of Communications (XIC;1969)

This professional media centre is an autonomous curricular unit of St. Xavier’s College. More than 250 students enrol each year in courses like Journalism and Mass Communication, Advertising and Marketing Communication, Public Relations and Corporate Communication, Film, TV and Digital Video Production, Advanced Integrated Communications Programme, and Event Planning and Experiential Marketing. A variety of specialised, short-term certificate courses are also offered to media professionals, and others seeking media training. The alumni of this Institute are well-placed in the media sphere.

### 3.3.8 Xavier Institute of Counselling Psychology (XICP)

Addressing the dearth of mental health professionals and equipping psychologists with the necessary knowledge and skills to enhance therapeutic counselling Fr. Berchmans D’Souza SJ, founded the Xavier Institute of Counselling Psychology (XICP) in 1992. The mission to augment the psychological well-being of humanity continues to be upheld and currently, there are two courses run by XICP:

1. The Post Graduate Diploma in Counselling Psychology for those having a master’s in psychology and related fields, and
2. The Certificate Course in Personal Counselling for people from fields other than Psychology.

Though the Certificate Course was conceived by Fr. J.M. Fuster SJ, it is now run under the XICP banner as the vision remains consistent with that of enhancing the mental health of society. The courses are unique in their practical and direct approach to understanding the helping profession and reaching out to others.

## 3.4 Co-Curricular and Extra-Curricular Facilities

### 3.4.1 Department of Inter-Religious Studies (DIRS) (1987)

It fosters an understanding and appreciation of religions as a potent force for communal harmony, social justice, and ecological sustainability. It aims to motivate people of all faiths as well as those who profess none to strive together for integral compassion (intrapersonal, interpersonal, societal, global, and cosmic). It organises sensitivity programmes, discussions, and public lectures on relevant issues in religion, culture, and philosophy. It runs two Diploma Courses: “Inter-religious Traditions” and “Comparative and Applied Ethics”. Dr. (Fr.) Keith D’Souza S.J. is the Director.

**3.4.1.1 Chapel-cum-Prayer Hall:** The Chapel is open during college hours to students and staff of all faiths who would want time for quiet and prayer. The Eucharist is held 4 times a week for Catholic students and staff, during the class break timings.



### 3.4.2 Council of International Programmes (CIP)

It enables an osmotic educational link between St. Xavier's College and Universities across continents. It has incessantly bolstered the visibility of St Xavier's College on the global map. While CIP looks forward to fostering new alignments with the leading universities across the globe, it harks back to the rich legacy of globalization that has been an inherent facet of Jesuit education at St. Xavier's College. CIP facilitates both short-term and long-term programmes for its in-house and foreign students.

**3.4.2.1 Short-term programmes** for in-house students can be availed of in the April- May period. Summer programmes are available in some of the leading universities in the world. Credits earned through these programmes cannot be transferred.

#### 3.4.2.2 Long-term programmes include:

**3.4.2.2.1** A semester abroad during the fourth semester with full-transfer credits. Admission to this program is subject to the approval of the core departments that the student is currently studying in.

**3.4.2.2.2** One-year exchange programme after completing the second or third year. If the student chooses to go after the second year, the student must return to college to complete the third year of the degree course to graduate from St Xavier's College.

**3.4.2.3** All students availing of foreign exchange programmes must abide by the norms and guidelines stipulated in the College Handbook. Dr. Prasita MUKherjee is the Director of this programme.

### 3.4.3 Study Abroad Counselling Centre (SACC) (2012)

It helps students get admission into PG programmes in various foreign Universities; in selecting Universities, preparing for completing visas and pre-departure formalities. Ms. Rashida Haidermota oversees the Centre.

### 3.4.4 Honours Programme (for SY and TY)

It aims at providing an intellectual challenge to students. It seeks to go beyond the regular syllabi, provide scope for greater student participation, and promote creativity in the learning process. Assignments, seminars, projects, and displays, make learning an exciting academic pursuit. Over three years, students must accumulate a minimum of 7 credits, of which: 5 must be from the Hub (formerly Department) in which the student has registered; and 2 Transfer Credits from any other discipline/Hub. Individual e-credit cards are awarded to students who complete their Honours activities. A Certificate of Merit is awarded to students who complete the Programme. The office of the Vice-Principal (Academics) is incharge of this Programme. This programme is only for SY and TY students.

### 3.4.5 Learning for Life Programme

It seeks to enlarge the scope of learning to other areas of accomplishment. It includes courses in Personality Development, Public Speaking, Self-Defence, Photography, Calligraphy, etc. The ECC manages this Programme.

### 3.4.6 College and Departmental Fests/Conferences

The College encourages the holding of Fests/Conferences as it trains students in organizing and leadership skills. Every department organizes such activities at the intra and/or inter-college levels.

**3.4.6.1 Malhar** is an annual inter-collegiate 3-day festival held in August. Along with the cultural component, it also holds 'Conclave' as its intellectual component.

**3.4.6.2 Xynergy** is an inter-collegiate Science Festival held in November. It includes a conference, an exhibition, and other academic events.

**3.4.6.3 Jan-Fest** is a 2-day festival that celebrates Indian Classical Music in January. This is a finale of a series of musical concerts that IMG organises, please refer to [3.5.1](#)).

**3.4.6.4** For the Department Fests and other extracurricular programmes, please refer to [3.5.6](#).



### 3.4.7 Social Involvement Programme (SIP) (1996)

It aims at making education socially relevant. Students are made to learn through direct social involvement as 'when the heart is touched by direct experience, the mind is challenged to change.' Students work with economically and physically underprivileged children as well as with mentally challenged individuals, domestic workers, hospital patients, and senior citizens. Under the guidance of two qualified Social Workers, students (Non-NEP) are required to offer a minimum of 45 hours of service with an NGO and 5 hours of social activities connected with any of the academic disciplines that the college offers.

### 3.4.8 Career Katta

Career Katta is an initiative of the Maharashtra Information Technology Support Centre (MITSC) and Maharashtra State Higher and Technical Department. The college is a member of this initiative. The MITSC, under this initiative, will conduct various activities to guide students to explore career development avenues like career through competitive examinations (UPSC, MPSC, IBPS, SSB, etc.) as well as guide on exploring entrepreneurship through skill enhancement initiatives.

Eligibility to Join- Any student admitted for any regular course in the college/or college alumni recommended by the college coordinator.

Registration fees - One-time ₹. 365 for Three Year degree period (Rs. 0.36 per day), which will be reimbursed/offering concession in Certificate Exam fees for deserving students.

A student can get himself/herself registered through the "Career Katta" App in 'Play Store' and download this app and pay fees using online payment mode.

<https://play.google.com/store/apps/details?id=com.carrier.katta&pli=1>

For more details contact **Dr. Jotiram Gaikwad** - Career Guidance co-ordinator- or Career Katta Helpline - 7507652555 about this initiative.

## 3.5 College Associations

### 3.5.1 The Indian Music Group (IMG) (1973)

It aims to promote Indian Classical Music in the city. It organises concerts, lecture demonstrations, and music appreciation courses. Jan-Fest, its annual Indian classical music festival, is very highly rated. In 1984, an air-conditioned library was set up with an enviable collection of LPs and tapes, including several thousand hours of recorded live performances. Dr. Pratibha Nathani is the IMG Convenor.

### 3.5.2 The Social Service League (SSL)

This started more than 50 years ago. It caters to the altruistic sensibilities of students. Its activities include an exhibition on a socially relevant theme, an annual Rural Work Camp, Project Care (a two-day programme for children who are economically or differently challenged), visit homes for the disadvantaged, and similar activities. Fr. Vivian Almeida S.J. is the Faculty-in-Charge.

### 3.5.3 All India Catholic University Federation (AICUF)

Inspired by Gospel values, the AICUF, a national youth organisation, allows students to develop an all-round personality through leadership training, social outreach, spiritual integration, and cultural activities. Conscientised on burning issues like women empowerment and ecological imbalance, its members are geared to taking a stand to liberate marginalised groups and Mother Earth. The AICUF facilitates the College Choir and with the DIRS organises the Inter-Faith Prayer Services and Masses. Its national slogan is 'We are born into an unjust society, and we are determined not to leave it as we have found it. True to the concept of 'Catholic' which means 'Universal,' the approach of the AICUF is inclusive. Fr. Vivian Almeida S.J. is the Faculty-in-Charge.

### 3.5.4 St. Xavier's Alumni Association (1903)

Is more than 100 years old and was registered in 1964. It caters to alumni/ae who would like fellowship and contact with their Alma Mater. The Association has seen illustrious ex-students involved in its activities. The XDP manages it.



### 3.5.5 Xavier's Development Programme (XDP)

It aims to connect with alumni for various alumni-centric events and keep Xavier's family alive via the alumni website – alumni.xaviers.edu, social media, and personal contact. It also looks to collect funds for the college: staff endowment, academic facility enhancement, heritage restoration, and infrastructure development. Fr. Keith D'Souza SJ is the Director of XDP.

### 3.5.6 Activities of Departments/Associations/Bodies in College

Activities by College			
	Association	Publication	Fest/Program
<b>Fest/ Programme Organised by College</b>			Malhar, TedX, Xynergy, Jan-Fest
	AICUF	AICUFer	Ujali, AICUF Day
	DIRS	Tarang	
	Film Club		Countdown
	Jagruti	Pukar	
	Marathi Vangmaya Mandal	Tejomaya (Diwali issue); Pakharan	Aamod
	Student Council	Xpress	
Faculty Research Journal		Xplore	—

Departmental Publications and Fest/Programmes		
Department	Association	Publication
History	History Group	Aitihisik
Mathematics	Mathematics Association of Xavier's (MAX)	The Proof
Microbiology	Microbiology Association of Xaviers, Mumbai	The Michronicle
Political Science	Political Science Association	Samvad
Psychology	Psychology Association	Uncommon Sense
Sociology and Anthropology	Academy of Sociology and Anthropology	Eidos
Zoology	Xavier's Zoology Association	Imprint

Departmental Publications and Fest/Programmes			
Department	Association	Publication	Fest/Program
Chemistry	Xavier's Association of Chemistry – XAC	Elemental	XAC Fest
Economics	Eco-Circle	Arthniti	Econundrum
English	English Association	Ithaka	Ithaka
Hindi	Hindi Sahitya, Sangeet	Ankur and Natya Academy	Antas
Mass Media	Media Circle	The Catch Phrase	Zeitgeist
Physics	Physics Circle	Celerities	Probe
Statistics	Stats Society	The Plot	Confluence

**Departmental Publications and Fest/Programmes**

<b>Department</b>	<b>Publication</b>	<b>Fest/Program</b>
A.I.H.C.A.	RCA	Vividha
Biotechnology	Palindrome	Palindrome
Botany	—	Acta Botanica
Commerce Section	Trends	Sitare
ECC Committee	—	ECC Carnival
French	A La Francaise	
Inter-Religious Studies	Tarang	The Harmony Project
Geology	Terra	
Heras Institute	Indica; The Bombay Explorer	
Life Science and Biochemistry	Lignum Vitae	
Management Studies	Insight	Zephyrus
Public Policy	NitiSamvaad	NitiSamvaad



## 4. College Admission Process

### 4.1 Admission Policy

**4.1.1** Admission of students into the Autonomous Degree Courses will be based on the aggregate marks in the qualifying examination or its equivalent, for both the Undergraduate (UG) and the Postgraduate (PG) courses, unless specified otherwise.

#### 4.1.2 An Entrance Exam is conducted for

**4.1.2.1 UG courses in:** Arts (Mass Communication and Journalism - MCJ),  
Management Studies (B.M.S.) and BSc (IT)

**4.1.2.2 PG courses in:** Public Policy, Psychology, Big Data Analytics,  
Physics (Astrophysics), and Economics.

**4.1.2.3 Admission for the courses listed in 4.1.2.1 is based on:**

**4.1.2.3.1** 60 per cent weightage to the Entrance Test (Objective Question Paper) and 40 per cent weightage to Class XII aggregate marks.

**4.1.2.3.2** A candidate can apply in only one category (refer to Table 4.2 Table).

**4.1.3** For all the other PG courses, admissions are based only on the merit secured by the candidates as per the selection criteria of the respective PG Departments. respective PG selection criteria can be found on:

**4.1.3.1** M.Sc. in Botany, Geology, Life Sciences and Microbiology: refer to 9.1.5

**4.1.3.2** M.Sc. in Big Data Analytics: 11.1.4

**4.1.3.3** M.Sc. in Biotechnology: 11.2.7

**4.1.3.4** M.Sc. in Physics: 11.3.4

**4.1.3.5** M.A. in Ancient Indian History Culture and Archaeology: 10.1.5

**4.1.3.6** M.A. in Public Policy: 12.2.6

**4.1.3.7** M.A. in Psychology: 12.4.4

**4.1.3.8** M.A. in Economics 12.3.2

**4.1.4** All applications for admission to any UG or PG degree course should be submitted by the date notified by the College. Late applications may not be accepted.

**4.1.5** If an entrance exam is held for any UG or PG degree courses, then only those candidates who appeared for the said examination become eligible for admission into the concerned course, in the academic year under consideration. In other words, anyone who has not appeared for the concerned entrance exam, cannot be admitted into that course.

**4.1.6** Admissions will be considered to be completed only when the full fees for the academic year are paid (against an official receipt) and the name of the applicant appears on the relevant rolls. Only the Principal can condone payment in full or allow payment in part.

**4.1.7** All UG and PG admissions are valid only for one year and are therefore to be renewed for each subsequent year of study.

**4.1.8** A student will not be re-admitted to the College if he/she has:

**4.1.8.1** Had three unsuccessful attempts at the same examination.



**4.1.8.2** Been debarred twice within the first four semesters.

**4.1.8.3** Had serious complaints of indiscipline against him/her in the previous year.

**4.1.9** The College is a Catholic Minority College, administered under the provisions of the Indian Constitution, to promote the welfare of the Minority community.

**4.1.9.1** As per the Judgement dated 12th October 2017 of the Honourable Bombay High Court vide Writ Petition No. 1726 of 2001, Minority Colleges do not need to set aside seats for Backward Classes. This is reiterated by the University of Mumbai Circular (No. Aff./Recog.I/Admission/(2018-19)/10/of 2018), dated 30th May 2018.

**4.1.9.2** This Judgement renders null and void the Directives regarding Reservation of Seats given by the University of Mumbai vide Circular No. Spl. Cell/(68)/218/2005 dated 3rd June 2005 [i.e., SC (13 per cent)/ST (7 per cent)/DT(A) (3 per cent)/NT(B) (2.5 per cent)/ NT(C) (3.5 per cent)/NT(D) (2 per cent)/OBC (19 per cent)/SBC (2 per cent)].

**4.1.9.3** Hence, the admission in-take in St. Xavier's College (Autonomous), Mumbai is as shown in Table 4.1 and Table 4.2 respectively.

Table 4.1: F.Y.B.A. and F.Y.B.Sc. (360 seats each ) and F.Y.B.Com. (240 seats)

Seat Reservation		Criteria
TOTAL SEATS 100 per cent (Arts and Science: 360; Commerce: 240 )		
Management Quota Arts and Science: 15 per cent of 100 per cent of 360 seats Commerce: 15 per cent of 100 per cent of 240 seats		Case A
Balance Seats 85 percent		
Christian Minority Arts and Science: 50 per cent of 85 per cent of 360 seats Commerce: 50 per cent of 85 per cent of 240 seats		Case B Case B
General Category Arts and Science: 42 per cent of 85 per cent of 360 seats Commerce: 42 per cent of 85 per cent of 240 seats		Case B Case C
Others I. Persons with Disability Category: Arts and Science: 5 per cent of 85 per cent of 360 seats Commerce: 5 percent of 85 percent of 240 seats II. Special Category**(refer to 4.1.10): Arts and Science: 3 per cent of 85 per cent of 360 seats Commerce: 3 per cent of 85 per cent of 240 seats		Case B Case C Case B Case C
<b>Key:</b> Case A: Only for those the College is obliged to admit and without any quid pro quo. Case B: First preference to all In-house students. Case C: Vacant seats will be filled in by candidates applying from other Colleges Boards in order of merit.		

**4.1.10 \*\*Special Category refers to:**

**4.1.10.1** Wards of Transferred State/Central Government employees, employees of Defence Department/Ex-Servicemen,

**4.1.10.2** Wards of Freedom Fighters,

**4.1.10.3** Award Winners at the District/State/National Levels in Sports or Cultural Activities.

## 4.2 Admission Procedures

**4.2.1** Applications for admissions to the following courses: B.Com (A and F), BA (MCJ), B.M.S. and MA (Public Policy), MA (Psychology), and M.A. (Economics), M Sc (Big Data Analytics), and MSc (Astrophysics),



Table 4.2: F.Y.B.M.S\* and F.Y. B.A. (MCJ)\*\* (120 seats each ) and F.Y.B.Sc. (I.T)\*\*\* (60 seats)

Seat Reservation	
Category	Criteria
TOTAL SEATS 100% (120) (BMS and MCJ) and 100% (60) (BSc-IT)	
Management Quota BMS and MCJ: 15% of 100 % of 120 seats B Sc - IT: 15% of 100 % of 60 seats	Case A
Balance Seats 85% (102 for BMS and MCJ and 51 for BSc-IT)	
Christian Minority BMS and MCJ: 50% of 85% of 120 seats B Sc - IT: 50% of 85% of 60 seats	Case D
General Category BMS and MCJ: 42% of 85% of 120 seats B Sc - IT: 42% of 85% of 60 seats	Case D
Others I. Persons with Disability Category: BMS and MCJ: 5% of 85% of 120 seats B Sc - IT:: 5 % of 85 % of 60 seats II Special Category**(refer to 4.1.10): BMS and MCJ: 3 % of 85% of 120 seats B Sc - IT:: 3 % of 85 % of 60 seats	Case D
<b>Key</b> <b>Case A:</b> Only for those the College is obliged to admit and without any <i>quid-pro-quo</i> <b>Case D:</b> Admitted on the basis of their Merit Rank which is based on performance at the Entrance Test and XII marks, as described in 4.1.2 and 4.1.3	

are to be submitted online. The admission process includes an **entrance test**. Please look up the details on the Home Page of the College website.

**4.2.2** For: B.A./B.Sc./B.Com./BA (MCJ)/B.M.S./B.Sc. (IT); and, the Master's Courses in Botany, Biotechnology, Geology, Life Sciences and Microbiology and M.A. (AIHCA), the College has an Online Application System through a facility on its website. This facility is made available from the second half of May. An incomplete application will not be considered for admission.

**4.2.3** Admission to B.Com. is through the College Office (Commerce Section), by filling up and submitting a form and through an interview with the Vice Principal (Commerce) or his representative.

**4.2.4** The University of Mumbai has made it mandatory for all candidates seeking admission to the First Year courses in the Degree Colleges to fill in the 'Pre-Admission Online Registration Form which is available on <http://mum.digitaluniversity.in>.

**4.2.5** Actual admissions to all courses will be on the announced days, through a meeting with the candidate and a Parent/Guardian. The offer of admission will be notified on the College website and on the College Notice Board. On being admitted, the student will have to submit the following documents (Original plus attested photocopies):

**4.2.5.1** Class XII Statement of Marks

**4.2.5.2** Baptism Certificate (for Minority Christian community only)

**4.2.5.3** Caste Certificate (wherever applicable)

**4.2.5.4** Documentary Evidence for Special Category Status (Refer to 4.1.10)

**4.2.5.5** Passing Certificate (required for getting the Eligibility Certificate)

**4.2.5.6** Migration Certificate (required for getting the Eligibility Certificate)



## 4.3 Eligibility Certificate

**4.3.1** Candidates passing Class XII Examinations from Foreign Boards and students passing from International Baccalaureate or 'A' levels examinations - General Certificate of Education / Cambridge International School Exam of Cambridge or University of London must first obtain a 'PRIMA FACIE' Eligibility Letter from the University of Mumbai for the purpose of admissions to all First Year Degree Courses, namely B.A./B.Sc./B.Com./BA (MCJ)/B.M.S./B.Sc. (IT).

**The Address of the Eligibility Department is:**

The University of Mumbai,  
Eligibility Section, Kalina Campus, Ground Floor, Ambedkar Bhavan  
Santacruz (East), Mumbai – 400 098

**4.3.1.1**

**4.3.1.2** For Foreign Boards, the Class XII Examination has to be cleared in one sitting only.

**4.3.2** Students passing the Class XII from Boards other than Maharashtra State Board and seeking admissions to First Year B.A./B.Sc./B.Com./BA (MCJ)/B.M.S./B.Sc. (IT) are required to apply for a **Provisional Eligibility Certificate** through the College at the time of admission. The application form is available in the College Office. It should be duly filled, submitted with an attested copy of the Class XII marksheet and a passport size photograph along with the prescribed fees of ₹320 and verification of document fees of ₹500 (Total ₹820) to the College Office. Post admission, confirmation of eligibility is initiated by the College Office, with the documents listed in 4.2.5.

## 4.4 Fees for Senior College

**4.4.1** Table 4.3 lists the total fees (including Library Deposit and Fees) to be paid for Aided and Self-Financed UG/PG courses respectively.

Table 4.3: Fee Structure

Programme	Undergraduate Courses			Programme	Post Graduate	
	FY.	SY	TY		Part I.	Part II
BA	7000	4961	6159	MA (AIC)	35010	34010
BA (Stats)	8250	5961	7159	M Sc (Biot)	80000	66705
BA (MCJ)	52000	35000	30400	MPP	75010	75010
B Sc	9000	6217	7191	M Sc (Aided)	19600	14065
B Sc (IT)	52500	47760	47810	M Sc (Phy)	95010	95010
B Com (AC)	7000	4961	6159	MA (Psy)	131250	105010
B Com (AF)	49500	49500	—	MA (Eco)	115000	115000
BMS	52000	53250	29188	M Sc (BDA)	129000	103510

**4.4.2** For PG Courses Fee refer to the following subsections

1. M.Sc. in Botany, Geology, Life Science, Microbiology refer to M Sc (Aided) in Table 4.3
2. Ph.D. refer to 13.1.5

## 4.5 Fee Concession for BC students

**4.5.1** Under the Government of India Scholarship or Government of Maharashtra Freeship schemes for BC students (SC/ST/DT/NT/OBC/SBC), certain scholarships / Freeships are provided to the students who have the certificate issued by the Maharashtra Government.

**4.5.2** Annual Family Income (AFI) Eligibility conditions for Scholarship / Freeship:

**4.5.2.1 SC students:** AFI < ₹2 lakh p.a. (Scholarship)

**4.5.2.2 SC students:** AFI > ₹2 lakh p.a. (Freeship)

**4.5.2.3 VJ/NT/SBC/OBC** students refer to : G.R.Kr.EBC-2014/Pr.Kr.96/Shikshan – dt 20/08/2016



**4.5.3 NT/VJ/SBC/ST and OBC** categories students will have to submit the Non-Creamy-Layer Certificate for such fee concessions.

**4.5.4** Candidates with necessary documents who qualify for the aforementioned Scholarship/Freeship are required to pay, along with the Exam Fees, a nominal fee of ₹445 (for FY and SY) and ₹795 (for TY) at the time of admission. They are exempted from all other fees.

## 4.6 Information on Scholarships, Freeships and Awards

**4.6.1 Scholarships and Freeships:** Deserving/Eligible students are encouraged to take advantage of the financial aid in terms of Scholarships/Freeships as shown below:

- 4.6.1.1 Government of India Scholarships/Freeships for SC students
- 4.6.1.2 Government of India Scholarships/Freeships for OBC students
- 4.6.1.3 Government of India Scholarships/Freeships for VJ/NT students
- 4.6.1.4 Government of India Scholarships/Freeships for SBC students
- 4.6.1.5 Government of India Scholarships/Freeships for ST students
- 4.6.1.6 Government of India Minority Scholarship
- 4.6.1.7 Open Merit scholarship for Junior and Senior College
- 4.6.1.8 PTC Freeship
- 4.6.1.9 STC Freeship
- 4.6.1.10 EBC Freeship
- 4.6.1.11 Ex-Servicemen Freeship
- 4.6.1.12 PG Merit Scholarship/Freeship
- 4.6.1.13 Rajashri Shahu Maharaj Scholarship
- 4.6.1.14 University Financial Assistance
- 4.6.1.15 Other State Scholarship/Freeship
- 4.6.1.16 College Graded Scholarship
- 4.6.1.17 Students' Beneficiary Fund (provided by the College)
- 4.6.1.18 Students of the Year Awards (offered by the College)

**4.6.2 Scholarships and Freeships for Special Class:** Students are also advised to check [www.scholarships.gov.in](http://www.scholarships.gov.in) for the scholarships listed below:

- 4.6.2.1 Post-Matric Scholarship Schemes for Minorities
- 4.6.2.2 Post-Matric Scholarship Schemes for SC Students (U.T. only)
- 4.6.2.3 Maulana Azad National Fellowship for Minority Students
- 4.6.2.4 Post-Matric Scholarship for Persons with Disabilities
- 4.6.2.5 Scholarships for Top-Class Education for Students with Disabilities
- 4.6.2.6 Central Sector Scheme of Scholarships for College and University Students
- 4.6.2.7 PG Indira Gandhi Scholarship for Single Girl Child.
- 4.6.2.8 Students belonging to SC/SBC/OBC/VJ/NT are required to fill up the online form on <http://www.mahaeschol.maharashtra.gov.in>, to avail of the fee concession.
- 4.6.2.9 Students who apply through these portals do not get any fee concessions while taking admission. They have to directly apply for the benefit. The awardees get the financial benefits deposited directly into their personal bank accounts.



# 5. Academic Guidelines under Autonomy

## 5.1 Background of College Autonomy

**5.1.1** Indian higher education has mainly been under the affiliating system, wherein all colleges are linked to a university that prescribes its syllabi, organises controls and oversees the evaluation system. However, to improve the quality of higher education, the Government of India, through the UGC, has recommended the delinking of academically well-established colleges from the affiliating system to promote academic excellence. Hence, the emergence of an autonomous college, which is mandated to:

**5.1.1.1** Determine its course of study and syllabi.

**5.1.1.2** Prescribe rules for admission in consonance with the Reservation Policy of the State Government.

**5.1.1.3** Evolve methods of assessing students' performance, conducting examinations, and declaring the examination results along with the corresponding mark sheets.

**5.1.1.4** Use modern educational technology tools to achieve higher standards, incentivise creativity and promote best practices for the benefit of the students and society at large.

**5.1.2** Recognizing the academic excellence of St Xavier's College, Mumbai, the UGC, State Government, and the University of Mumbai, have conferred it the status of an academically Autonomous College in June 2010. Later, in July 2023 the UGC extended the empowered autonomy to St. Xavier's College, Mumbai for 10 years till 2034 which allows SXCM to award joint degrees with the University of Mumbai.

## 5.2 Assessment

The College conducts continuous assessments for all theory and practical courses each semester.

### 5.2.1 Theory: Continuous Internal Assessment (CIA)

**5.2.1.1** Two CIAs per course are held during each semester. One written test and other written test or Project/Assignment/presentation/ or any other mode deemed appropriate for that course.

**5.2.1.1.1** A course (in consultation with the Principal) may club the two CIAs into one (40 marks). In this case, the lecturer concerned must give the Principal the breakup of the continuous marking scheme.

**5.2.1.1.2** It is also possible that (in consultation with the Principal) the 20 marks of CIA II could be broken down into assignments running throughout the concerned Semester.

#### 5.2.1.2 There will be no retests for CIAs

Any student who misses either CIA I or CIA II or both can acquire the 40 per cent marks required to pass the course through the 60-mark ESE.

**5.2.1.3 Special CIA Clause:** The Principal will request the concerned Department(s) to hold a Special CIA Test (of one or more courses) for a student, within the same semester, under the following circumstances:

**5.2.1.3.1** If the Principal allows a student to represent the College at or to participate in some event (academic/cultural/sports) and this causes the student to miss a CIA Test (of one or more courses) (Note: The concerned event could be either a couple of weeks before or during the CIA period).



**5.2.1.3.2** If just before or during the CIA a bereavement (of an immediate family member) occurs. (Note: In this case, the Death Certificate of the departed and the Parent's note will have to be given to the College within 2 days of returning to college, for this clause to hold).

**5.2.1.3.3** For the same student, the Principal will exercise this discretionary power for only one of the two CIAs of a semester.

**5.2.1.4** If a student fails to score 40 per cent in the overall total of a course, such a student will have to appear for the Additional 100 marks Examination (in the subsequent semester) for that course and forego all the CIA marks earned in the ongoing semester in that course.

## 5.2.2 Theory (End Semester Examinations)

**5.2.2.1** The ESE is for a maximum of 60 marks of a 2-hour duration.

**5.2.2.2** There will be barcoding (for TYs) and masking (for FYs and SYs) of the answer sheets before the assessment.

**5.2.2.3** For the F.Y./S.Y. courses there will be a Single Evaluation with Moderation for all courses as shown below:

**5.2.2.3.1** The assessed papers of the top 4 scores of the course per division.

**5.2.2.3.2** 20 per cent of the rest of the assessed papers (per division) on a random basis.

**5.2.2.4** If a moderator finds issues (e.g., inconsistency, inflated/deflated marks) with the markings of the Internal Examiner, from the set given for moderation, the option to increase the number of answer booklets to be moderated in that Course could be exercised in consultation with the Principal.

**5.2.2.5** If 30 per cent or more of the moderated papers assessed by a particular examiner of a Course have a change of more than 15 per cent of the total marks assigned to the course, a second moderator will be called for a blind moderation. If the change is upheld, all the answer booklets of that group will have to be re-evaluated blind by the second moderator. The re-evaluated marks will be the final score awarded.

**5.2.2.6** In the Third Year, there will be a Double-Blind Evaluation by the teacher of the course and an external examiner. The average of the two scores will be the marks awarded. If in 30 per cent or more of the total answer booklets evaluated per course, there is a marking discrepancy between the two evaluations of more than 15 per cent of the total marks assigned to that course, a third blind evaluation will be required. The average of the 3rd Blind Evaluation and the marks of the evaluator closest to it will be the ultimate score awarded.

**5.2.2.7** If a student misses the end semester examination/s while representing the college for HCAP, NCC, NSS or any sports or cultural activity with prior written permission from the Principal will be allowed to appear for supplementary examinations of 60 marks. This examination will be conducted immediately after the regular end-semester examinations.

Any student who has missed the regular end-semester examinations on grounds other than those mentioned above will have to appear for Additional examinations of 100 marks in the next semester.

## 5.2.3 Practicals

**5.2.3.1** The practical component per course is 50 marks.

**5.2.3.2** Science subjects have a Practical component per course as:

**5.2.3.2.1** F.Y.B.Sc. (except Mathematics) (2 courses/semester)

**5.2.3.2.2** S.Y.B.Sc. (except Mathematics) (3 courses/semester)

**5.2.3.2.3** T.Y.B.Sc. (including Mathematics)(4 courses/semester) SMAT0303 and SMAT0403

**5.2.3.2.4** T.Y.B.Sc. there is a Practical component in all the Courses.

**5.2.3.3** For Statistics for Arts:





**5.2.3.3.1** F.Y.B.A.(1 course/semester)

**5.2.3.3.2** S.Y.B.A.(2 courses/semester)

**5.2.3.3.3** T.Y.B.A.(3 courses/semester)

**5.2.3.4** For Psychology (Courses: APSY0505 and APSY0605) a 100-mark Practical Course per semester is held. The breakup of the 100 marks is Journal 20; viva-voce 20 and ESE 60.

**5.2.3.5** All practical journals have to be signed by the Faculty-in-Charge (FIC) at each of these Practical. The HOD along with the FIC will certify these Journals. No marks are allocated for attendance at practical, but journals will be certified only against the completion of at least 75 per cent attendance at the Practical.

**5.2.3.5.1** A student whose Journal is not certified in a Course will be given ZERO marks for the Journal in that Course.

**5.2.3.5.2** The Journal Marks will be carried forward if a student fails or is absent for the corresponding practical of the Course.

**5.2.3.6** The End Semester Practical Examination (45 marks) of any Course need not be held only at the end of that semester, it could be held (in consultation with the Principal) throughout the semester. In such a case, the Department is expected to submit to the Examination Department the Consolidated Marks (per Course).

**5.2.3.7** No Additional ESE for Practical will be held within the ongoing semester unless permitted by the Principal.

**5.2.3.8** If for the Practical, a student is absent or fails to get 40 per cent of the total practical marks (i.e., 40/100 or 60/150 or 80/200) then an Additional Practical ESE will be held when the concerned Practical Examination is held for the next batch of students in the subsequent academic year(s). However, for Mathematics and Statistics, the Additional Exams will be held in the subsequent semester.

**5.2.3.9** A student will have to appear for the Practical of all the Courses of the subject that he/she has chosen.

**5.2.3.10** If a T.Y.B.Sc./T.Y.B.A. student fails in or is absent for one or more of the Practical in Semester V, he/she will be allowed to appear for the Additional Examination in Semester VI of the concerned academic year.

**5.2.3.11** If a T.Y.B.Sc./T.Y.B.A. student fails in or is absent for the Practical in Semester VI, he/she will have to appear for these practical in the subsequent Semester V of the following academic year.

**5.2.3.12** The Practical marks per Course in the subject (i.e., CIA marks from those Departments that hold CIA for Practical and ESE) would be recorded and maintained by the Department and submitted at the end of the semester to the Examination Department.

## 5.3 Passing Norms

**5.3.1** To Pass a Theory Course a student is required to obtain a minimum of 40 per cent of the total marks allotted to that Course, which includes: CIA I, CIA II, and the ESE.

**5.3.1.1** A student will have to re-appear for the Additional 3-hour 100-mark Examination at the end of the subsequent semester if he/she fails to secure the required minimum of 40 per cent of the total marks at the Regular Examination.

**5.3.1.2** When a student appears for an Additional 100-mark Examination, only the marks secured by a student at that Additional Examination will be the marks awarded.

**5.3.2** To Pass a Practical Course a student is required to secure a minimum of 40 per cent of the total marks allotted for the concerned Course.

**5.3.2.1** If a student appears for an Additional Practical Examination, the Practical Marks obtained earlier, except the journal marks, are annulled.

**5.3.2.2** The marks obtained at the Additional Practical Examination will be the marks awarded.



## 5.4 Gracing Norms

**5.4.1** Grace marks for passing: Up to a maximum of 1 per cent of the Grand Total per semester can be added to any Course(s) to fulfil the passing norms.

**5.4.2** Grace marks for Award of Class: Upto 1 per cent of the overall marks of that class will be added to the Grand Total to obtain a 1st Class or 2nd Class provided that the student has not obtained Grace Marks for passing in any Course (Note: this applies only to the final Consolidated Marksheet).

**5.4.3** A student will be entitled to 10 Grace Marks, which will be added to his / her Even Semester Marksheet in the academic year when he/she represented the College in sports, NCC, or cultural activities and was among the winners (1st, 2nd or Runners-up) or have reached the quarter-finals of any competition held by the University of Mumbai.

**5.4.3.1** Only students who have passed all subjects will be eligible for the Grace Marks as indicated in 5.4.3. In this case, these Grace Marks will be distributed over 3 subjects so that the benefit is reflected in such a student's GPA.

**5.4.4** Grace Marks as in 5.4.1 to 5.4.3.1 are not awarded for Additional Examination.

**5.4.5** For Degree Class Improvement, the candidate must appear for the examinations of all 6 semesters for UG and all 4 semesters for PG.

**5.4.6** There is no scheme for performance improvement of any semester individually.

**5.4.7** For SWD (Student with Disability), grace marks will be distributed as per the prevalent circular of the University.

## 5.5 Results

**5.5.1** A **10-Point Grade System** for all courses has been adopted - it involves calculations for a Semester Grade Point Average (SGPA) and the final Cumulative Grade Point Average (CGPA).

**5.5.2** Marksheets/Grade sheets are issued per Semester and Additional Examination.

**5.5.3** Those students who do not register for the Additional Examination within the stipulated period displayed on the Examination Notice Board will not be permitted to appear for the concerned examination(s).

**5.5.4** Those students who fail in Courses adding up to 12 credits or less, across both semesters in an academic year, will be 'Allowed to Keep Terms' (ATKT) and appear for the Additional Examination(s) in the subsequent Semester. They will not be promoted to the next academic year until the credit backlog is 12 or less.

**5.5.5** Those students who fail in Courses adding up to more than 12 credits across both semesters in an academic year will be declared failed in that academic year.

**5.5.6 To be admitted into the TY:** A student will be allowed to seek admission in TY if one of the following conditions is fulfilled:

**5.5.6.1** The student passes both the FY and SY classes.

**5.5.6.2** The student passes both the FY Semesters but fails in courses adding up to 12 or fewer credits at the SY.

**5.5.6.3** The student passes both the SY Semesters but fails in courses adding up to 12 or fewer credits at the FY.

**5.5.7** Students who have not cleared any one of Semester I, II, III, or IV will not be allowed to appear for the Semester VI examination.

**5.5.8** The Semester VI results of any student will not be declared until that student has cleared all the Courses of Semester V.

**5.5.9** A student who is not satisfied with the evaluation of his / her paper in any Course can apply (by the date notified on the Examination Notice Board), for a photocopy and/or a re-evaluation of the answer paper. If the re-evaluation reveals a (+/-) 15 per cent or greater difference, an average of the first evaluation and the re-evaluation will be the final score awarded. If the re-evaluation reveals a less than (+ / -) 15 per cent then the original marks obtained will be retained.

**5.5.10** Error(s) in the hard or soft copies of the marksheet (viz., name of the student, marks, SGPA, CGPA, grades, UID No., etc.) have to be brought to the notice of the General Office via the Principal/Vice-Principal



within 20 days of the distribution/uploading of the marksheets in the Odd Semesters and 7 days in the Even Semesters. No changes will be entertained after the lapse of these 20 or 7 days.

## 5.6 Attendance

**5.6.1** The College expects 100 per cent attendance at all lectures/practicals per chosen course. As there are legitimate reasons why 100 per cent attendance is not possible, a minimum of 75 per cent attendance per course is made mandatory.

**5.6.2** A student with less than 75 per cent attendance in a course (including tutorials) will not be allowed to appear for the ESE in that course.

**5.6.3** A condonation of up to 50 per cent of lectures/practicals per course could be made at the discretion of the Principal, in the following cases:

**5.6.3.1** Serious illness authenticated by a Doctor's Certificate and Medical Records and submitted within 2 working days of resuming classes.

**5.6.3.2** Other serious reasons, with validating documents (acceptable to the Principal) and submitted within 2 working days of resuming college. Such documents will not be accepted after these 2 working days.

**5.6.3.3** No condoning is possible if a course's attendance, for whatever reason(s), is below 50 per cent of the said course's lectures/practical.

**5.6.4** For students who are sent by the Principal to represent the College, the total attendance will be reduced by the number of days spent representing the College. However, such students will have to log in at least 75 per cent attendance of the lessened total.

**5.6.5** Unless unavoidable, students are not allowed to miss lectures, practicals, CIAs, or ESE without the prior permission of the Principal. Absence without prior permission will make students liable for disciplinary action, including denial of Terms.

**5.6.6** Absence from any Test / Exam must have documentary justification which must be presented to the concerned Vice-Principal within 2 working days of resuming classes, as per the procedure mentioned on the Class Notice Boards.

**5.6.6.1** In case of illness, a Medical Certificate and Medical Records must be produced.

**5.6.6.2** In case of bereavement, the Death Certificate will have to be submitted.

**5.6.6.3** No documents will be accepted after the 2 working days.

**5.6.7** The Leave Application / Medical Papers must be accompanied by:

**5.6.7.1** The duly filled College Absence Record Form (which is available online on the college website).

**5.6.7.2** A covering letter from the Parent or Guardian of the student.

**5.6.8** Serious illness or other circumstances are valid reasons for absence from lectures, practicals, and exams. However, if the College is not provided with sufficient evidence of academic participation by the concerned student, the College may not grant such student terms for the concerned Course(s) in that Semester. Such students would have to repeat the concerned Course in the next academic year. Note: 5.6.3.3 is also applicable here.

**5.6.9** Attendance Grades (AG) (as shown in Table 5.1 for each course will be displayed in the semester Marksheets.

Table 5.1: Attendance Grade

% Attendance per Course	100-95	<95-90	<90-85	<85-80	<80-75	75	Debarred
Grades	A+	A	B+	B	C	TNG	D <sup>†</sup>
<sup>†</sup> Debarred students will appear in Additional Exams of 100 marks. TNG = Terms Not Granted (i.e., Debarred for ESE in Course)							

Note:



**5.6.10** The AG for those students appearing for the Additional 100 marks Examinations and were not debarred for the ESE of that Course, will be the same as that secured during the concerned semester.

**5.6.11** The AG 'D' will be given to students who were debarred and have passed the Additional Examination of the concerned Course.

**5.6.12** Students, who have been debarred twice within the 1st four semesters, will not be re-admitted in the subsequent academic year.

## 5.7 Rules for Extracurricular Credit (ECC) Activities

**5.7.1** Two mandatory (Non-Academic) ECCs will be required to be earned by a student to obtain a degree.

**5.7.2** Each student must log in (over the 3 years of UG studies) with a minimum of EC activities hours as follows:

**5.7.2.1** For Arts, Management, BAF, and Mass Media students: 50 hours. These 50 hours will be accumulated as 20 hours in FY, 20 hours in SY, and 10 hours in Semester V.

**5.7.2.2** For Science, Information Technology students: 40 hours. These 40 hours will be accumulated as 15 hours in FY, 15 hours in SY, and 10 hours in Semester V.

**5.7.3** If by Semester VI, a student fails to earn these mandatory hours as stipulated in 5.7.2, he/she will have to do 10 additional monitored SIP hours in Semester VI.

**5.7.4** The students' EC progress, in terms of hours and quality of participation, is monitored and recorded by the EC Committee (ECC), under the supervision of the ECC Faculty-in-Charge. The ECC Grade awarded will be either 'A+' or 'A.'

**5.7.5** The following activities are eligible for EC credits:

**5.7.5.1** Representing College at ECC-approved competitions/NCC.

**5.7.5.2** Engaging in the co-and extra-curricular activities of the College Associations/Departments. These activities must be certified by the Faculty-in-Charge or HOD.

**5.7.5.3** Being a member of the College Magazine Committee or Students' Council or any approved College Student Body.

**5.7.5.4** involved in Malhar/Xynergy/Jan-Fest as organiser/volunteer.

**5.7.5.5** Enrolling in activities organised by the Student Council, SSL, AICUF, I.M.G., and other such bodies approved by the college.

**5.7.5.6** Participating in Sports, certified by the College Sports Director.

**5.7.5.7** involved in the International programs of the College.

**5.7.5.8** Providing on-campus services to students with disabilities on campus (through the XRCVC).

**5.7.6** Students are advised to check the College website for the ECC data submission procedure.

## 5.8 Social Involvement Programme (SIP)

**5.8.1** Two mandatory (Non-Academic) SIP Credits will be required to be earned by each student to obtain a degree.

**5.8.2** These credits must be completed over semesters I or II by working with an NGO assigned by the SIP Department as well as with a College Department.

**5.8.3** The SIP Credits are based on 30 hours of logged-in activity as shown below:

**5.8.3.1** 25 hours of actual social activity with the assigned NGO. The SIP Department of the College monitors the activity along with the assigned NGO.

**5.8.3.2** 5 hours of service through a Department of the College. This service must be discipline-centric and so monitored by the concerned Department.



## 5.9 Internship/Fieldwork Experience Credit

**5.9.1** The College encourages internships/Fieldwork experiences so that students gain practical experience in their sphere of study.

**5.9.2** For this activity to be awarded one Non-Mandatory Credit on the Consolidated Marksheet, the following protocol should be followed:

**5.9.2.1** The internship activity cannot be a part of either a CIA or of an ES Examination.

**5.9.2.2** It must be undertaken only during the breaks between Semesters:

**5.9.2.2.1 For UG students** : Any break between Semester I and Semester VI.

**5.9.2.2.2 For PG students** : Any break between Semester I and Semester IV.

**5.9.2.3** A minimum of 60 hours of experience, and only 6 hours per day.

**5.9.2.4** It must be first approved by the Department's HOD(s) through which the student would graduate (Single Major for UG and PG / Double Majors for UG).

**5.9.2.5** International Exchange students cannot avail of this Credit. Hence, College Departments should not entertain applications from such students.

**5.9.3** The concerned Department would have to monitor this activity as under:

**5.9.3.1** The HOD, on behalf of the student, would issue a request letter to the organization in which this activity will be undertaken.

**5.9.3.2** The Department would collect from the student the certification given to him/her by the concerned organisation, post the internship.

**5.9.3.3** The Department would then conduct a viva voce to verify the quality of the tasks undertaken by the student in the concerned organisation.

**5.9.3.4** On certifying that the activity is acceptable, the Department would then submit a report to the Examination Department, not later than the end of February of that student's Semester VI.

**5.9.4** An add-on credit will be awarded to students completing Swayam/NPTEL Courses. Students must complete 6 credits ( or equivalent) across 3 years ( Semester 1-6) of their UG courses or 4 credits (or equivalent) across 2 years (Semester 1-4) of their PG course in Swayam/ NPTEL courses (disciplinary/interdisciplinary) to be eligible for one add-on credit.

**5.9.4.1** The Add-on credit will be considered for any of the courses offered by Swayam/NPTEL or equivalent Government-recognised institute and is not limited to the academic specialisation of the student. The college encourages interdisciplinary studies.

**5.9.4.2** Students are eligible for 1 Add-on credit only after the submission of a course completed/assessment cleared, certificates from Swayam/NPTEL or equivalent, for 6 credits or equivalent.

**5.9.5** All documents and proofs related to Add-on credit should reach the college office, latest by March for being considered in the consolidated marksheet of the graduating student. The HOD of the departments from which the student is graduating needs to forward the documents to the college office.

## 5.10 Transfer of Credit

**5.10.1** Transfer of Credits from Other Institutions

**5.10.1.1** The College will accept the transfer of credits for one semester from another institution within India (limited to "A" Grade Colleges or otherwise of repute) or from a foreign university of repute. If it aligns with the courses/semester, curriculum of St. Xavier's College.

**5.10.1.2** The student will be expected to earn as many credits to complete the semester as demanded by the host institution.

**5.10.1.3** The College will transfer only the number of credits that it normally has for the semester missed, even if the number of credits that the host institution grants is greater than the number required by the College.

**5.10.1.4** **Students can go to:**



- 5.10.1.4.1** An Indian institution only during Semester III or IV.
- 5.10.1.4.2** A foreign institution (whose academic year begins in August/September), only during Semester IV.
- 5.10.1.5** Only students who fulfil the following qualifications in the first 3 semesters are permitted to avail of this facility:
- 5.10.1.5.1** A minimum CGPA of 7.5; and
- 5.10.1.5.2** A minimum average attendance of 75 per cent
- 5.10.1.6** To encourage a choice-based credit system, these students will be allowed to choose any academic courses at the host institution in addition to have at least two courses (in the semester pattern) in the subject that he/she is going to major in or a minimum of one each for a double major student.
- 5.10.1.6.1** It is therefore necessary that the student gets a prior clearance regarding the type of mandatory courses required, from the college Head(s) of the Department(s) in which he/she hopes to major.
- 5.10.1.6.2** The onus of fulfilling these requirements lies with the student. The Department will evaluate the Coursework done by the student in the other academic institution, before accepting the concerned Courses into the academic programme of the College.

## 5.10.2 Transfer of Credits to the Honours Certificate Programme (HCP)

- 5.10.2.1** Students doing short-term academic courses in India or abroad can apply to count them as Interdisciplinary Transfer Credits for the HCP.
- 5.10.2.2** The CIP can assist the HCP Coordinator in determining whether one or two credits can be given for a foreign programme.
- 5.10.2.3** A Department can offer an HCP Credit for the faculty-guided work done within the ambit of the subject, either within the college or in some other institutions during the breaks between semesters.

## 5.11 Letters of Recommendation (LoR) by College

- 5.11.1** This set of instructions applies only to LoRs (hard or soft copies) that are being used for admission into universities for further studies.
- 5.11.2** Students who need such LoRs are required to fill in an Application Form which is available with the concerned Department from where the LoR is solicited.
- 5.11.3** A Processing Fee of ₹. 500/Application/University/Recommending Teacher would have to be paid, before starting the LoR process. The fees thus collected will be directed towards that Department's Improvement Fund.
- 5.11.4** For more detailed instructions, please approach the concerned Teacher in the Department.
- 5.11.5** Economically disadvantaged students, who find it difficult to pay the LoR Fees, can approach the Principal for financial assistance through the SBF.

## 5.12 Parents' Collaboration

- 5.12.1** Parents are invited to make inquiries about their child's attendance and performance either:
- 5.12.1.1** At the General Office or the concerned Department(s) with prior permission.
- 5.12.2** If a student becomes ill suddenly during college hours, the College will administer first aid. However, the Parent/Guardian should come personally to the College to take their child/ward home or for further medical treatment/advice.



**5.12.3** In case a student suffers from a chronic medical condition (physical/mental), self-disclosure (with supporting medical documents) by the parents would help the College in administering the appropriate medical assistance, in case of an emergency.

**5.12.3.1** Parents are advised to promptly bring such medical details to the attention of the Teacher-Mentor/concerned Vice-Principal.

**5.12.3.2** Confidentiality, of both the student as well as the nature of the illness, is assured by the College.

**5.12.4** A student suffering from a contagious illness should not come to college (for lectures/tests/exams), as it puts other students at risk.

**5.12.4.1** A medical letter will have to be submitted by the Parents/Guardian to the Principal reporting the illness so that the absence of the student is noted.

**5.12.4.2** Such a student will be allowed to return to college if and only if a 'Fitness Certificate' issued by a Medical Practitioner is submitted to the Principal.

**5.12.4.3** Serious action will be taken against any student who flouts Rules 5.12.4.1 and 5.12.4.2.

**5.12.5** The College will attempt to notify parents of debarred students via postal mail and email before the commencement of the examinations.

**5.12.6** Parents, of debarred students, can discuss this matter with the concerned Vice-Principal or through a letter to the Principal.

## 5.13 Addendum

**5.13.1** Wherever an issue has not been covered by these Autonomy Rules and Guidelines of the College, the Rules and Statutes of the University of Mumbai would apply if the latter does not go against the spirit of the College Autonomy arrangements.





## 6. New Education Policy 2020

### 6.1 New Education Policy 2020

St. Xavier's College, Mumbai, an Empowered Autonomous Institute, is now offering Undergraduate and Postgraduate Programs as per the National Education Policy 2020 implementation, effective from the academic year 2023-24.

#### 6.1.1 Introduction

NEP 2020, or the National Education Policy 2020, is a comprehensive policy introduced by the Government of India to transform the education system in the country. It aims to bring about significant changes in various aspects of education, from school to higher education. If you are a prospective undergraduate student of St. Xavier's College, Mumbai, you are advised to go through the Government of Maharashtra – GRs dated 20<sup>th</sup> April 2023 (for UG) and 16<sup>th</sup> May 2023 (for PG) for clarity on the various rules and regulations as recommended by the state Department of Higher and Technical Education.

##### 6.1.1.1 Salient Features of NEP 2020

The National Education Policy 2020 (NEP2020) in India brings several significant changes compared to the prevalent education policy at its introduction. Here are some key differences between the prevalent education policy and NEP2020:

- **Multidisciplinary Approach:** A multidisciplinary approach to education, encouraging students to choose subjects across different disciplines and bridging the gap between arts and humanities, science, and commerce.
- **Fostering Critical Thinking:** A Curriculum focused on core concepts and critical thinking rather than rote memorisation.
- **Skill Development and Vocational Education:** Skill development and vocational education, aim to provide students with practical skills and promote entrepreneurship. Assessment Reforms: A shift in assessment methods, aiming to move away from high-stakes examinations and focus on a more comprehensive and holistic assessment of student understanding and skills.
- **Inclusion and Equity:** Inclusion and equity in education, aim to address gender and social disparities, provide equal opportunities for marginalised communities, and promote inclusive education for students with disabilities.
- **Research and Innovation:** Research and innovation in education, encourages the establishment of research centres and promotes a research culture among students and teachers.
- **Internationalisation:** Internationalisation in education encourages collaborations and exchange programs between Indian and foreign institutions, promoting global exposure and cross-cultural learning.

**Implementation:** NEP 2020 is being gradually implemented across educational institutions in India, including Mumbai University. All the proposed changes may take time to integrate fully, but the policy aims to create a more inclusive, flexible, and relevant education system.

### 6.2 UG Education under the aegis of NEP 2020

St. Xavier's College- Mumbai, is a Jesuit educational institution, established in 1869. Through its 154 years of existence, the college has been a major national contributor to capacity building. The list of illustrious alumni is long and the college takes pride in their achievements in the national as well as global social, cultural, industrial and science arenas.



Keeping the tenets and recommendations about the NEP2020 from the UGC, along with adhering to the directives from the Maharashtra State - Department of Higher and Technical Education, the college, with its more than 150 years of experience in the domain of higher education has prepared a comprehensive undergraduate and postgraduate curricular structure. This new structure also adheres to the key values of Innovation, Integration, and Inclusion.

## 6.2.1 Framework of the Choice-based Credit System

**6.2.1.1 MJ/CR: Major/Core Subject:** A single subject course of study pursued by a student as a mandatory requirement of the programme of study.

**6.2.1.2 EC: Elective Course:** An elective course could be a project designed to acquire skills to supplement the major study.

**6.2.1.3 MN: Minor Subject:** A second subject of study pursued by a student as an additional requirement of the programme of study.

**6.2.1.4 AEC: Ability Enhancement Course:** Ability Enhancement Course - Mandatory Courses on content related to Language, and Literature (i) Compulsory - English communication (ii) Elective - any Indian language other than English.

A two-credit course for AEC on Effective English Communication, \*Hindi/ \*Marathi Communication in the first two semesters. The third semester will have advanced communication courses in the chosen Indian language. The fourth semester will offer faculty or department-specific communication skills courses eg., Scientific, Business, Digital Communication etc.

\*Students with learning disabilities will be offered a library science course in place of Hindi/ Marathi in case they requisition the same.

Table 6.1: Ability Enhancement Course

Ability Enhancement Courses (2 Credits)		
Department	Course Codes	Course Title
English	UAENG4501AE1	Critical Reading, Writing and Thinking
Hindi	UAHIN4501AE1	Introduction to Hindi Stories
Marathi	UXMAR4501AE1	Vyvaharik aani Upayojit Marathi
Commerce	UCCOM4501AE1	Communication Skills in English
MCJ*	UAMCJ4501AE1	Introduction to Visual Design and Computer Graphics.
Library Science	UALIB4501AE1	Introduction to Library Science.
*Mass Communication and Journalism		

**6.2.1.5 VSC: Vocational Skill Course:** Courses aimed at imparting practical skills, hands-on training, and soft skills to increase the employability of students. Specific or supporting the major subject is to be chosen from a basket/pool the college offers.

**6.2.1.6 SEC: Skill Enhancement Course** Skill Enhancement Course – Courses aimed at imparting skills/hands-on training, and soft skills. It could be chosen from a basket/pool offered by the college or a MOOC on Swayam or NPTEL platforms. A VSC course could be offered as SEC to other students of the same stream.

**6.2.1.7 On-Job Training(OJT)/Internship/Field Project (FP)/Community Engagement Programme (CEP) Research Project (RP):** Application of knowledge/concepts in solving or analysing a real-life problem. All these are related to the major subject.

**6.2.1.8 CC: Co-curricular Course:** For the holistic development of students through various activities such as performing art, visual art, NCC, NSS, Yoga, etc.

**6.2.1.9 VEC: Value Education Course:** Two compulsory courses, one in each semester.

1. The Constitution of India course is delivered in a hybrid mode of education comprising both in-person interactions, doubt-solving sessions and online lectures through pre-recorded videos.
2. Environmental Education course is offered in an offline course.



Table 6.2: Value Education Courses

Value Education Courses (2 Credits)		
Departments	Course Codes	Course Titles
Political Science	UXCOI4501VE1	The Constitution of India
Chemistry	UXEVS4501VE1	Environmental Studies.

**6.2.1.10 IKS: Indian Knowledge Systems:** Indian Knowledge Systems, a two-credit generic course is offered in the first semester. This course will be delivered through a hybrid mode of education comprising both in-person interactions, doubt-solving sessions and online lectures through pre-recorded videos. Subject-specific integrated knowledge systems (IKS) will be introduced in the major courses starting from the third semester.

Table 6.3: Indian Knowledge System

Indian Knowledge Systems (2 credits)		
Department	Course Code	Course Title
	UXIKS4501GN1	Introduction to Indian Knowledge Systems

**6.2.1.11 Open Elective:** An elective course chosen generally from an unrelated discipline to seek multidisciplinary exposure.

Table 6.4: OEs offered by the Arts Faculty to Science and Commerce Faculty

Arts OEs for Science and Commerce Students (2 credits)		
Department	Course Code	Course Title
AIHCA	UAAIC4501OE1	Introduction to Tourism Management in India
Anthropology	UAANT4501OE1	Introduction to Anthropology of Knowledge
Anthropology	UAANT4502OE1	Body, Fitness, Culture: The Politics of Care
Economics	UAECO4501OE1	Introduction to Indian Economy
Economics	UAECO4502OE1	Challenges and Opportunities in the Indian Economy
Commerce (BA)	UACOM4501OE1	Introduction to Joint Stock Company
Commerce (BA)	UACOM4502OE1	Investment Analysis
English	USENG4501OE1	Interpreting Visual Art Movements within Cultural Contexts: 19th Century to the present
French	USFRE4501OE1	French for Beginners A1 Level
Psychology	USPSY4501OE1	Demystifying Mental Illness
Psychology	USPSY4502OE1	Personal Growth Through Visual Art
Sociology	USSOC4501OE1	Science, Technology and Social Change
Sociology	USSOC4502OE1	Nature, Society and Conservation
MCJ	UAMCJ4501OE1	Communication & Society
MCJ	UAMCJ4502OE1	Current Media Events, Reading and Analysis



Table 6.5: OE offered by the Science Faculty to Arts and Commerce Faculty

Science OEs for Arts and Commerce Students (2 Credits)		
Department	Course Code	Course Title
Botany	USBOT4501OE1	Gardening
Botany	USBOT4502OE1	Plants in Human Nutrition
Chemistry	USCHE4501OE1	Chemistry in Sports Physiology and Health
Chemistry	USCHE4502OE1	Science of Food and Cooking.
Geology	USGEO4501OE1	Gemmology - Gem Identification
Zoology	USZOO4502OE1	Social Life of Animals
Zoology	USZOO4501OE1	Wonders of the Animal Kingdom
Statistics	USSTA4501OE1	Descriptive Statistics
Information Technology	USITY4501OE1	Web Designing
	USITY4502OE1	UI and UX Design

Table 6.6: OE offered by the Commerce Faculty for Arts and Science Faculty

Commerce OEs for Arts and Science Students (2 Credits)		
Department	Course Code	Course Title
Commerce	UCCOM4501OE1	Introduction to Intellectual Property Rights
Commerce	UCCOM4502OE1	Financial Literacy & Education
AF	UCACF4501OE1	Accounting for Everyone
AF	UCACF4502OE1	Taxation for Everyone
These OEx are not available to the students pursuing major in the first column subjects		

### 6.2.2 The UG Course Structure is as follows:

The following tables provide details of the Arts, Science, and Commerce (grant-in-aid) courses that will be available starting in June 2023. Each semester, students are expected to earn a total of 22 credits, as per the guidelines of the Maharashtra State. Students may choose to leave the program at the end of each academic year, as indicated in the table 6.7.

*Note.* After completing three years of study and obtaining 132 credits, a student can choose to exit with a bachelor's degree in their chosen field, such as B Sc, BA, or B Com. However, the student must have a minimum CGPA of 7.5 to be eligible to apply for admission to the 'Honours' degree program. If satisfied, the student needs to acquire an additional 44 credits for a total of 176 credits to earn a bachelor's degree with Honours.

In case the student opts for an Honours degree by Research, the eligibility criteria will be at the College's discretion.



Table 6.7: Course and Credit Structure

Arts Subject Combinations										
Level	Semester	Major (Credits)	Elective (Credits)	Minor (Credits)	OE (Credits)	VSC SEC (Credits)	IKS/AEC VEC (Credits)	CC,FP/RP CEP, OJT (Credits)	Courses /Sem (Credits)	Degree -cum- Credit
4.5 2023-24 1 <sup>st</sup> Year	Sem I	1 (4)	0	1 (4)	2 (4)	2 (4)	3 (6)	0	9 (22)	44 UG
	Sem II	1 (4)	0	1 (4)	2(4)	2 (4)	2 (4)	CC1 (2)	9 (22)	
	Courses	2 (8)	0	2 (8)	4 (8)	4 (8)	5(10)	1 (2)	18 (44)	
Exit option with a UG Certificate in Major and Minor with an additional 4 credits NSQF Course/internship OR continue with Major and Minor. A student will decide which of the two subjects (Sub-1 or Sub-2) will be major and minor at the end of the second semester.										
5.0 2024-25 2 <sup>nd</sup> Year	Sem III	2(8)	0	1 (4)	1 (2)	1 (2)	1 (2)	FP1/CEP1, CC2 (4)	8(22)	88 UG
	Sem IV	2 (8)	0	1 (4)	1 (2)	1 (2)	1 (2)	FP2/CEP2, CC3 (4)	8 (22)	
	Course	6 (24)	0	4 (16)	6 (12)	6 (12)	7 (14)	5 (10)	34 (88)	
Exit option with a UG Diploma in Major & Minor with an additional 4 credit core NSQF course/internship OR continue with Major & Minor.										
5.5 2025-26 3 <sup>rd</sup> Year	Sem V	3 (12)	1 (4)	1 (2)	0	1 (2)	0	FP3 (2)	7 (22)	132 UG
	Sem VI	3 (12)	1 (4)	1 (2)	0	0	0	OJT1 (4)	6 (22)	
	Courses	12 (48)	2 (8)	6 (20)	6 (12)	7 (14)	7 (14)	7 (14)	47 (132)	
Exit option with Three Year Bachelor Degree with Major and Minor OR continue with Major & Minor Fourth Year by papers.										
6.0 2026-7 4 <sup>th</sup> Year	Sem VII	3 (12)	1 (4)	1 (4)	0	0	0	FP4 (2)	6 (22)	176 UG
	Sem VIII	3 (12)	1 (4)	0	0	0	0	OJT2 (6)	5 (22)	
	Courses	18 (72)	4 (16)	6 (24)	6 (12)	7 (14)	7 (14)	9 (24)	176	
Exit option with Three Year Bachelor Degree with Major and Minor OR continue with Major & Minor Fourth Year by research.										
6.0 2026-7 4 <sup>th</sup> Year	Sem VII	3 (10)	1 (4)	1 (4)	0	0	0	FP4 (4)	6 (22)	176 UG
	Sem VIII	3 (10)	1 (4)	0	0	0	0	RO4 (8)	5(22)	
	Courses	18 (68)	4 (16)	6 (20)	6 (12)	7 (14)	7 (14)	28	176	
Four Year UG Honours with Papers or Research Degree with Major and Minor.										



## 6.3 Bachelor of Arts Programme

There are a total of 42 combinations of subjects as given in offered to FY BA refer to Table 6.8. Students can choose any one out of Subject 1 and another out of Subject 2 combinations as Core subjects. While fixed minors Statistics and Commerce can be combined only with Economics as a Major, fixed minors Anthropology and Commerce can be combined only with Sociology as a Major and fixed minors Statistics and Anthropology can be combined only with Psychology as a Major. One Core Subject out of two (except fixed minors) in FY will be the Major and the other will be the Minor from SY.

**Please, note that allocation of the major and minor subject at the second year is strictly based on merit** (Performance in Semester I and Semester 2).

Table 6.8: Arts Subject Combinations

Arts Subject Combinations		
Sr. No	Core - 1	+ Core - 2 (Any ONE)
01 - 05.	AIHCA	+ Economics, English, French, Hindi, Political Science
06 - 10.	Economics	+ English, French, Hindi, Political Science, Psychology
11 - 15.	English	+ French, Hindi, Political Science, Psychology, Sociology
16 - 19.	French	+ Hindi, Psychology, Political Science, Sociology
20 - 23.	Hindi	+ Psychology, Political Science, Sociology, History
24 - 27.	Psychology	+ AIHCA, Political Science, Sociology, History
28 - 31.	Sociology	+ Economics, Political Science, History, AIHCA
32 - 36.	History	+ Economics, AIHCA, French, Political Science, English
Major + Minor (Fixed Combinations)		
37 - 38.	Economics	+ Commerce*, Statistics*
39 - 40.	Sociology	+ Anthropology*, Commerce*
41 - 42.	Psychology	+ Statistics*, Anthropology*

### 6.3.1 BA Semester I

Table 6.9: B A Programme Structure

B A Semester I				
Course	P	Course	Course Title	Credits
CR 1	1	Core 1	2 subjects from Table 7.3	4
CR 2	2	Core 2		4
VSC	3	Vocational Skill Courses	1 from Table 7.4	4
SEC	4	Skill Enhancement Courses	1 from Table 7.5	2
AEC	5	Ability Enhancement Courses	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Open Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Open Elective - 2		2
			Total Credits	22



### 6.3.2 BA Semester II

Table 6.10: B A Programme Structure

B A Semester II				
Course	P	Course Title	Credits	
CR 1	1	Core 1	2 Subjects from Table 7.7	4
CR 2	2	Core 2	same as Semester I	4
VSC	3	Vocational Skill Courses	1 from Table 7.4	4
SEC	4	Skill Enhancement Courses	1 from Table 7.8	2
AEC	5	Ability Enhancement Courses	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Open Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Open Elective - 2		
			Total Credits	22

## 6.4 Bachelor of Science Programme

There are a total of 21 combinations of subjects offered to FY B Sc. Students can choose any one from Subject 1 and another from a combination available under Subject 2 as core subjects. Economics is a fixed Minor. One subject (except Economics) out of two Core subjects in FY will be the Major and the other will be the Minor from SY.

**Please, note that allocation of the major and minor subject at the second year is strictly based on merit** (Performance in Semester I and Semester 2).

Table 6.11: Science Subject Combinations

Science Subject Combinations			
Sr. No	Subject - 1	+	Subject - 2 (Any ONE)
01 - 03	Botany	+	Chemistry, Life Science, Zoology
04 - 07	Chemistry	+	Geology, Physics, Mathematics, Zoology
08 - 10	Geology	+	Life Science, Physics, Mathematics
11 - 13	Life Science	+	Chemistry, Physics, Zoology
14 - 16	Mathematics	+	Physics, Statistics, Economics*
17 - 19	Microbiology	+	Chemistry, Zoology, Physics
20 - 21	Statistics	+	Physics, Economics*



### 6.4.1 B Sc Semester I

Table 6.12: B A Programme Structure

B Sc Semester I				
Course	P	Course Title	Credits	
CR 1	1	Core 1	2 Subjects from Table 7.19	4
CR 2	2	Core 2		4
VSC	3	Vocational Skill Courses	from Table 7.20	4
SEC	4	Skill Enhancement Courses	refer Table 7.21	2
AEC	5	Ability Enhancement Courses	refer Table 6.1	2
VEC	6	Value Education Course	refer Table 6.2	2
IKS	7	Indian Knowledge System	refer Table 6.3	2
OE-1	8	Open Elective 1	refer Table 6.4 and 6.6	2
OE-2	9	Open Elective 2		2
			Total Credits	22

### 6.4.2 B Sc Semester II

Table 6.13: B A Programme Structure

B Sc Semester II				
Course	P	Course Title	Credits	
CR 1	1	Core 1	2 subjects from Table 7.23 same as Semester I	4
CR 2	2	Core 2		4
VSC	3	Vocational Skill Courses	from Table 7.20	4
SEC	4	Skill Enhancement Courses	refer Table 7.24	2
AEC	5	Ability Enhancement Courses	refer Table 6.1	2
VEC	6	Value Education Course	refer Table 6.2	2
IKS	7	Indian Knowledge System	refer Table 6.3	2
OE-1	8	Open Elective - 1	Refer Table 6.4 and 6.6	2
OE-2	9	Open Elective - 2		2
			Total Credits	22





## 6.5 Bachelor of Commerce Programme

### 6.5.1 B Com Semester I

Table 6.14: B Com Semester I Courses

B Com Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCCOM4501MJ1	Financial Accounting-I	4
MN	2	UCCOM4501MN1	Business Environment & Management	4
		UCCOM4502MN1	Business Economics - I	
VSC	3	UCCOM4501VS1	Spreadsheet & Database Management	2
		UCCOM4502VS1	Business Communication	
SEC		UCCOM4502SE1	Business Mathematics	2
AEC	5	UCCOM4501AE1	Communication Skills in English	2
		UCCOM4502AE1	Introduction to Hindi Stores	
VEC	6	UXCOI4501VE1	Fundamentals of Indian Constitution	2
IKS	7	UXIKS4501GN1	refer to Table 6.3	2
OE-1	8	Other Elective - 1	refer to Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
Total Credits				22

### 6.5.2 B Com Semester II

Table 6.15: B Com Semester I Courses

B Com Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCCOM4501MJ1	Financial Accounting-II	4
MN	2	UCCOM4503MN1	Services Sector	4
		UCCOM4504MN1	Business Economics - II	
VSC	3	UCCOM4501VS1	Spreadsheet & Database Management	2
		UCCOM4502VS1	Business Communication	
SEC		UCCOM4502SE1	Business Statistics	2
AEC	5	UCCOM4501AE1	Communication Skills in English	2
		UCCOM4502AE1	Introduction to Hindi Stores	
VEC	6	UXEVS4501VE1	Environmental Education	2
IKS	7	UXIKS4501GN1	refer to Table 6.3	2
OE-1	8	Other Elective - 1	refer to Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
Total Credits				22



## 6.6 Self Financed Courses

Following courses are offered on self-financed basis.

Table 6.16: Self Finance Subject Combinations

Self Finance Subject Combinations			
Sr. No	Major	+	Minor
01 - 03	Accounting and Finance		Information Technology, Management Studies, Mass Media and Journalism
04 - 06	Information Technology	+	Management Studies, Accounting and Finance, Mass Media and Journalism
07 -09	Mass Media and Journalism	+	Management Studies, Accounting and Finance, Information Technology
10 - 12	Management Studies	+	Mass Media and Journalism, Accounting and Finance, Information Technology

Table 6.17: Majors offered for Self Financed Courses

Majors for Self Financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4501MJ1	Mass Communication, Society & Change	4
IT	USITY4501MJ1	Applied Mathematics	4
BMS	UCMGS4501MJ1	Principles of Management	4
BAF	UCACF4501MJ1	Financial Accounting - I	4

Table 6.18: Semester I Minors offered for Self-financed Courses

Semester I Minors for Self-financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4501MN1	Introduction to Advertising	4
	UAMCJ4503MN1	Sociology and Change management	4
IT	USITY4501MN1	Basics of Python Programming	4
BMS	UCMGS4501MN1	Fundamentals of Management	4
BAF	UCACF4501MN1	Introduction to Accounting	4

Table 6.19: Semester II Minors offered for Self-financed Courses

Semester II Minors for Self-financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4502MN1	Digital Content and Marketing	4
	UAMCJ4504MN1	Political Concepts and Changing Landscapes	4
BAF	UCACF4502MN1	Taxation	4
BMS	UCMGS4502MN1	Economics for Managers	4
IT	USITY4502MN1	Database Management System	4



### 6.6.1 B Com (Accounting and Finance)

Table 6.20: B Com (A&amp;F) Semester I Courses

B Com (A&F) Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCACF4501MJ1	Financial Accounting-I	4
MN	2	Minor	refer Table 8.3	4
VSC	3	UCACF4501VS1	Accounting through Software	2
SEC	4	UCACF4501SE1	Spreadsheet Application Software	2
AEC	5	Ability Enhancement Course	refer Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

Table 6.21: B Com (A&amp;F) Semester II Courses

B Com (A&F) Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCACF4502MJ1	Financial Accounting-II	4
MN	2	Minor	from to Table 8.4	4
VSC	3	UCACF4502VS1	Business Communication and Report Writing	2
SEC	4	UCACF4502SE1	Fundamentals of Business Legal Framework	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
			Total Credits	22



### 6.6.2 B Sc (Information Technology)

Table 6.22: B SC (IT) Semester I Courses

B SC (IT) Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	USITY4501MJ1	Applied Mathematics	4
MN	2	Minor	refer Table 8.3	4
VSC	3	USITY4501VS1	The Art of Programming	2
AEC	4	USITY4501SE1	Introduction to Python Programming	2
AEC	5	Ability Enhancement Skill	1 from Table 6.1	2
VEC	6	Vocational Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
Total Credits				22

Table 6.23: B SC (IT) Semester II Courses

B SC (IT) Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	USITY4502MJ1	Descriptive Statistics	4
MN	2	Minor	refer Table 8.4	4
VSC	3	USITY4502VS1	C++ Programming	2
SEC	4	USITY4502SE1	Advanced Python Programming	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
Total Credits				22

### 6.6.3 BMS Programme

Table 6.24: BMS Semester I Courses

BMS Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCMGS4501MJ1	Principles of Management	4
MN	2	Minor	refer Table 8.3	4
VSE	3	UCMGS4501VS1	Introduction to Business Law	2
SEC	4	UCMGS4501SE1	Intellectual Property Rights	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
Total Credits				22



Table 6.25: BMS Semester II Courses

BMS Semester II Courses				
Course	P	Code	Course Title	Credits
Major	1	UCMGS4502MJ1	Managerial Economics	4
Minor	2	Minor	refer Table 8.4	4
VSE	3	UCMGS4502VS1	Elements of Cost Accounting	2
SEC	4	UCMGS4502SE1	Negotiation & Conflict Management	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 6.6.4 BA (MCJ) Programme

Table 6.26: BA (MCJ) Semester I Courses

B A (MCJ) Semester I Courses				
Course	P	Course Codes	Course Titles	Credits
Major	1	UAMCJ4501MJ1	Mass Communication, Society & Change	4
Minor	2	Minor	refer Table 8.3	4
VSE	3	UAMCJ4501VS1	Visual Design & Communication	2
SEC	4	UAMCJ4501SE1	Storytelling in the Digital Age	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

Table 6.27: B A (MCJ) Semester II Courses

B A (MCJ) Semester II Courses				
Course	P	Code	Course Title	Credits
Major	1	UAMCJ4502MJ1	History of Ideas	4
Minor	2	Minor	refer Table 8.4	4
VSE	3	UAMCJ4502VS1	Computer Graphics & Web design	2
SEC	4	UAMCJ4502SE1	Pod Cast and Community Radio	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22



## 6.7 Credit Structure of Post Graduate Courses

Table 6.28: Credit Structure of All Aided, Economics, Public Policy, AIHCA PGP

All Aided, Economics, Public Policy, AIHCA PGP Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 1	12	4	4	2	0	22	PG Diploma after TY
	Sem 2	12	4	0	6	0	22	
	Cum Cr	24	8	4	8	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	12	4	0	0	6	22	
	Cum Cr	24	8	0	0	12	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

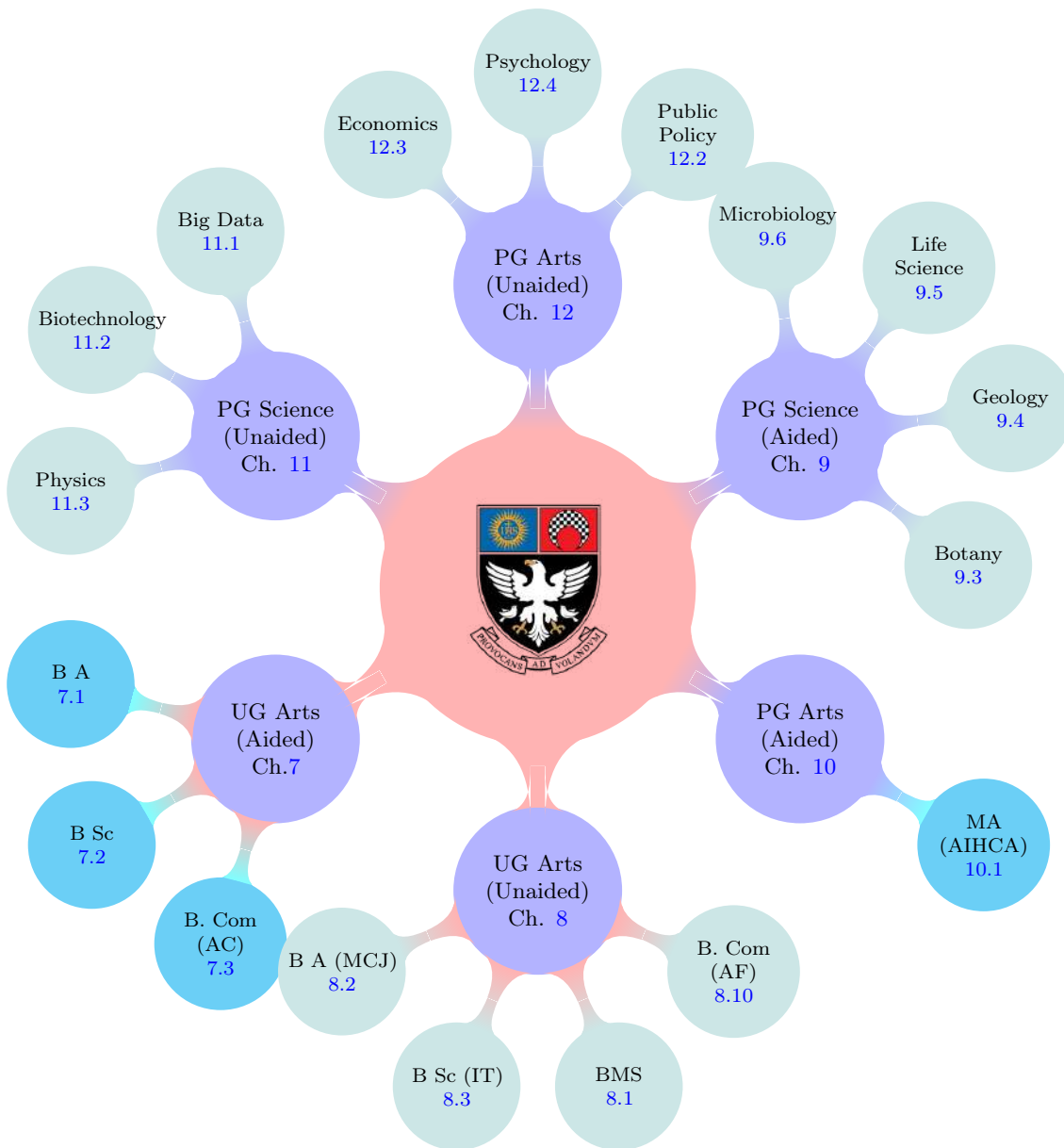
Table 6.29: Big Data, Biotechnology and Physics Credit Structure

Big Data, Biotechnology and Physics Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 3	14	4	4	0	0	22	PG Degree after TY
	Sem 4	14	4	0	4	0	22	
	Cum Cr	28	8	4	4	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	0	0	0	0	22	22	
	Cum Cr	12	4	0	0	28	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

Table 6.30: Psychology Credit Structure

Psychology Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 3	14	4	4	0	0	22	PG Degree after TY or
	Sem 4	12	4	0	6	0	22	
	Cum Cr	26	8	4	6	0	44	
6.6 (2024-25)	Sem 3	10	4	0	4	4	22	PG Degree after TY or After FYUG
	Sem 4	10	4	0	2	6	22	
	Cum Cr	20	8	0	6	10	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								







## 7. Undergraduate (Aided) Courses

### 7.1 Bachelor of Arts Programme

There are a total of 42 combinations of subjects offered to FYBA. Students can choose any one from Subject 1 and another from Subject 2 as core subjects. However fixed minors in Statistics and Commerce can be combined only with Economics as a Major, fixed minors in Anthropology and Commerce can be combined only with Sociology as a Major and fixed minors in Statistics and Anthropology can be combined only with Psychology as a Major.

**Please, note that allocation of the major and minor subject at the second year is strictly based on merit** (Performance in Semester I and Semester 2).

Table 7.1: Arts Subject Combinations

Arts Subject Combinations	
Combinations	Core - 1 + Core - 2 (Any ONE)
01 - 05.	AIHCA + Economics, English, French, Hindi, Political Science
06 - 10.	Economics + English, French, Hindi, Political Science, Psychology
11 - 15.	English + French, Hindi, Political Science, Psychology, Sociology
16 - 19.	French + Hindi, Psychology, Political Science, Sociology
20 - 23.	Hindi + Psychology, Political Science, Sociology, History
24 - 27.	Psychology + AIHCA, Political Science, Sociology, History
28 - 31.	Sociology + Economics, Political Science, History, AIHCA
32 - 36.	History + Economics, AIHCA, French, Political Science, English
Major + Minor (Fixed Combinations)	
37 - 38.	Economics + Commerce*, Statistics*
39 - 40.	Sociology + Anthropology*, Commerce*
41 - 42.	Psychology + Statistics*, Anthropology*

AIHCA - Ancient Indian History, Culture and Anthropology



### 7.1.1 BA Semester I

Table 7.2: B A Programme Structure

B A Semester I				
Course	P	Course	Course Title	Credits
CR	1	Core 1	2 subjects from Table 7.3	4
CR	2	Core 2		4
VSC	3	Vocational Skill Courses	1 from Table 7.4	4
SEC	4	Skill Enhancement Courses	1 from Table 7.5	2
AEC	5	Ability Enhancement Courses	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Open Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Open Elective - 2		2
			Total Credits	22

Table 7.3: B A Semester I Core 1 and Core 2 Courses

B A Semester I Core 1 and Core 2 Courses				
	Subject	Code	Course Title	Credits
Core 1 and Core 2	AICHA	UAAIC4501CR1	Cultural History and Archaeology of Ancient India	4
	Economics	UAECO4501CR1	Introductory Microeconomics: Demand & Production	4
	English	UAENG4501CR1	Elements of Fiction	4
	French	UAFRE4501CR1	Introduction to French Short Stories	4
	History	UAHIS4501CR1	World History from the Renaissance to c.1870	4
	Hindi	UAHIN4501CR1	Hindi Fiction (Stories)	4
	Pol. Sci	UAPOL4501CR1	Introduction to Politics	4
	Psychology	UAPSY4501CR1	Foundations of Psychology	4
	Sociology	UASOC4501CR1	Introduction to Sociology: Theories and Themes	4
	Anthropology*	UAANT4501MN1	Anthropology: Concepts and Contemporary Issues	4
	Commerce*	UACOM4501MN1	Forms of Business Organisation	4
Statistics*	UASTA4501MN1	Fundamentals of Statistics	4	

Table 7.4: B A Semester I Vocational Skill Courses

B A Semester I Vocational Skill Courses				
	Subject	Code	Course Title	Credits
Vocational Skill	AICHA	UAAIC4501VS1	Study of Numismatics In India	2
	Economics	UAECO4501VS1	Economic Data Analysis	2
	English	UAENG4501VS1	Soft Skills Through Literature: Public Speaking	2
	French	UAFRE4501VS1	French for Tourism and Hotel Industry	2
	History	UAHIS4501VS1	Documentary/Documentation of the History of Mumbai	2
	Hindi	UAHIN4501VS1	Hindi Translation	2
	Pol. Sci	UAPOL4501VS1	Know Your Rights	2
	Psychology	UAPSY4501VS1	Stress Management and Resilience	2
	Sociology	UASOC4501VS1	Applying Sociology	2



Table 7.5: B A Skill Enhancement Courses

B A Skill Enhancement Courses				
	Subject	Code	Course Title	Credits
Skill Enhancement	AICHA	UAAIC4501SE1	Study of Numismatics In India	2
	Economics	UAECO4501SE1	Financial Education and Planning	2
	Commerce (A)	UACOM4501SE1	Introduction to Advertising	2
	English	UAENG4501SE1	Soft Skills through Literature: Public Speaking	2
	Hindi	UAHIN4501SE1	Hindi Translation	2
	Psychology	UAPSY4501SE1	Stress Management	2
	Sociology	UASOC4501SE1	Introduction to Academic Writing	2

### 7.1.2 BA Semester II

Table 7.6: B A Programme Structure

B A Semester II				
Course	P	Course Title		Credits
CR	1	Core 1	2 Subjects from Table 7.7 same as Semester I	4
CR	2	Core 2		4
VSC	3	Vocational Skill Courses	1 from Table 7.4	4
SEC	4	Skill Enhancement Courses	1 from Table 7.8	2
AEC	5	Ability Enhancement Courses	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Open Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Open Elective - 2		2
			Total Credits	22

Table 7.7: B A Semester II Core 1 and Core 2 Courses

B A Semester II Core 1 and Core 2 Courses				
	Subject	Code	Course Title	Credits
Core 1 and Core 2	AICHA	UAAIC4502CR1	Introduction to Indian Archaeology	4
	Economics	UAECO4502CR1	Introductory Microeconomics: Pricing Theories	4
	Commerce	UACOM4502MN1	Organisation of Commerce and Industry	4
	English	UAENG4502CR1	The Elements of Drama	4
	French	UAFRE4502CR1	Le corpus thématique	4
	History	UAHIS4502CR1	Landmarks of World History.	4
	Hindi	UAHIN4502CR1	Introduction to Hindi literature	4
	Pol. Sci	UAPOL4502CR1	Political Theory	4
	Psychology	UAPSY4502CR1	Fundamentals of Cognition	4
	Statistics	UASTA4502MN1	Fundamentals of Statistics	4
	Sociology	UASOC4502CR1	Sociology: Frameworks, Structures & Institutions	4
	Anthropology	UAANT4502MN1	Socio-Cultural Anthropology: Concepts & Applications	4



Table 7.8: B A Semester II Skill Enhancement Courses

B A Semester II Skill Enhancement Courses				
	Subject	Code	Course Title	Credits
Skill Enhancement	Economics	UAECO4501SE1	Financial Education and Planning	2
	Commerce (A)	UACOM4501SE1	Introduction to Advertising	2
	English	UAENG4501SE1	Soft Skills through Literature: Public Speaking	2
	English	UAENG4502SE1	Building Writing Skills through Literature (English)	2
	French	UAFRE4501SE1	French for Tourism Industry	2
	Hindi	UAHIN4501SE1	Translation Course - Hindi to English & vice versa	2
	Psychology	UAPSY4501SE1	Stress Management	2
	Sociology	UASOC4501SE1	Introduction to Academic Writing	2

### 7.1.3 Second Year (SY)

Table 7.9: Course Requirements SY BA

Course Requirements			
Course Requirements	Sem.3	Sem.4	Total
Special Courses + Cross Faculty Course	1	1	2
Subject 1	2	2	4
Subject 2	2	2	4
Subject 3	2	2	4
Applied Component	1	1	2
Total Courses			16

**7.1.3.1** The choice of major/s will be decided only at the end of Semester IV, by the college in consultation with the Heads of Department/s of the concerned subject/s, based entirely on merit (total of concerned subjects' marks across the preceding 4 semesters) and the availability of seats. A minimum of 15 students are required for a Double Major.

### 7.1.4 Third Year (TY)

Table 7.10: Course Requirements TY BA

Course Requirements			
Course Course Requirements	Sem.5	Sem.6	Total
For Single Major Students			
Applied Components	2	2	4
Major Subject	4	4	8
Total Courses			12
For Double Major Students			
Applied Components	1 + 1	1 + 1	4
Major Subject 1	2	2	4
Major Subject 2	2	2	4
Total Courses			12



### 7.1.5 BA Semester III

Table 7.11: BA Semester III

Code	Course Title	L/W	Credits
ASPC0301	Special Course : Human Rights	3	3
AAIC0301	Culture History & Archaeology of India in Ancient Deccan & Early Medieval Period	3	3
AAIC0302	Elements of Museology in India	3	3
AANT0301	Ethnography: Themes And Issues I	3	3
AANT0302	Anthropology Of Religion	3	3
ACOM0301	Principles of Management – I	3	3
ACOM0302	Business Accounts & Finance - I	3	3
AECO0301	Macroeconomics Analysis – I	3	3
AECO0302	Introduction to Econometrics – I	3	3
AENG0301	The Elements of Poetry	3	3
AENG0302	Pre- and Post-Independence Indian Writing in English	3	3
AFRA0301	Introduction to French Poetry	3	3
AFRA0302	Translation, Essay, Précis Writing	3	3
AHIA0301	Introduction To Hindi Literature (Plays)	3	3
AHIA0302	Mass Media & Communication (Radio And Advertising)	3	3
AHIS0301	An Outline History of Early India – I (3500 BCE-200 BCE)	3	3
AHIS0302	History of China and Japan (1900-1960 )	3	3
APOL0301	Indian Constitution- Theory and Practice	3	3
APOL0302	Introduction to Public Administration	3	3
APSY0301	Social Psychology - I	3	3
APSY0302	Developmental Psychology - I	3	3
ASOC0301	Sociology: Classical Theories	3	3
ASOC0302	Sociology of Indian Society	3	3
ASTA0301	Descriptive Statistics (B)	3	2
ASTA0302	Operations Research	3	2
ASTA03PR	Statistics Practicals	6	2
Applied Components			
AAC03n n= 1 to 9	1. Direct and Indirect Taxation I	4	3
	2. Elementary Statistical Techniques - I		
	3. General Introduction to Law		
	4. Intro to Market Research (Concepts & Approaches)-I		
	5. Investment Analysis – I		
	6. Leisure Studies - I		
	7. Media Studies & Cinema - I		
	8. Psychology of Adjustment - I		
	9. Psychology of Gender – I		



7.1.6 BA Semester IV

Table 7.12: BA Semester IV

Code	Course Title	L/W	Credits
ASPC04n n = 01 to 09	Cross Faculty Courses:	3	3
	1. The Art of Mathematics (Maths)		
	2. Physics of Technology, Environment & Astronomy		
	3. Chem. in Context: Applying Chem. to society (Chemistry)		
	4. Descriptive Statistics (Statistics)		
	5. Garden Art (Botany)		
	6. Infectious Diseases : Staying Ahead (Microbiology)		
	7. Nutrition and Reproductive Health (Life Science)		
	8. Secret Lives of Animals (Zoology)		
9. Web Designing (Information Tech.)			
AAIC0401	Social Organization in Ancient India	3	3
AAIC0402	Development of Heritage Management & Tourism In India	3	3
AANT0401	Ethnography: Themes And Issues - II	3	3
AANT0402	Culture Studies	3	3
ACOM0401	Principles of Management – II	3	3
ACOM0402	Business Accounts and Finance - II	3	3
AECO0401	Macroeconomics Analysis – II	3	3
AECO0402	Introduction to Econometrics – II	3	3
AFRA0401	Introduction to French Theater	3	3
AFRA0402	Introduction To French Painting	3	3
AENG0401	American Literature	3	3
AENG0402	Indian Writing in English (1980 to the Present)	3	3
AHIA0401	Introduction To Hindi Literature (Poetry)	3	3
AHIA0402	Mass Media And Communication (Television And Film)	3	3
AHIS0401	An Outline History of Early India (200 BC-1200 CE)-II	3	3
AHIS0402	Contemporary Issues in Indian Society and Politics	3	3
APOL0401	Indian Government & Politics	3	3
APOL0402	Public Administration in India	3	3
APSY0401	Social Psychology - II	3	3
APSY0402	Developmental Psychology - II	3	3
ASOC0401	Globalization and Social Trends	3	3
ASOC0402	Political Sociology	3	3
ASTA0401	Statistical Methods (B)	3	2
ASTA0402	Data Analysis	3	2
ASTA04PR	Statistics Practicals	6	2
Applied Components			
AAC04n n = 1 to 9	1. Basics of Indian Laws	4	3
	2. Direct and Indirect Taxation – II		
	3. Elementary Mathematical Technique		
	4. Intro to Market Research (Concepts & Approaches) II		
	5. Investment Analysis – II		
	6. Leisure Studies – II		
	7. Media Studies & Cinema - II		
	8. Psychology of Adjustment - II		
	9. Psychology of Gender - II		



## 7.1.7 BA Semester V

Table 7.13: BA Semester V

Code	Course Title	L/W	Credits
AAIC0501	Political Institutions in Ancient India	4	5
AAIC0502	Evolution of Art & Architecture of Early India- I	4	5
AAIC0503	Study of Protection, Conservation & Preservation of Indian Monuments	3	4
AAIC0504 A	Study of Culture, History of World Civilization	4	5
AAIC0505	Brief Survey of Religion-Philosophical Traditions in India – I	4	5
AAIC0506	Brief Survey of Ancient Indian Literary Tradition	3	4
AANT0501	Anthropology: Perspectives, Theories & Frameworks I	4	5
AANT0502	Anthropology of Development - I <b>Option with Socio 5.08</b>	4	5
AANT0503	Applied Anthropology - I (Applied Component)	3	4
ACOM0501	Introduction to Marketing – I	4	5
ACOM0502	Organizational Behaviour	4	5
ACOM0503	Entrepreneurship & Management of Small and Medium Enterprises – I	3	4
AECO0501	Advanced Microeconomics – GameTheoretic Approach	4	5
AECO0502	Advanced Microeconomic Theory	4	5
AECO0503	Growth & Development: Theoretical Analysis	4	5
AECO0504	Approaches to Growth & Development	4	5
AECO0505	Evolution of Economic Thought	3	4
AECO0506	International Economics: Theory & Policy <b>Option with Eco 5.08</b>	3	4
AECO0507	Statistical Techniques for Economics	4	5
AECO0508	Advanced Econometrics – I <b>Option with Eco 5.06</b>	4	5
AECO0509	Applied Components - Corporate Finance – I <b>OR</b>	3	4
AECO0510	Indian Financial Systems And Institutions	3	4
AENG0501	Fiction from Richardson to Hardy	4	5
AENG0502	Modernism and 20C English Poetry	4	5
AENG0503	Literature and the Self in Modernist European Writing	3	4
AENG0504	English Poetry (1550-1750)	4	5
AENG0505	Literary Theory & Criticism	4	5
AENG0506	Narratives of Conflict : Ideology & Resolution	3	4
AHIS0501	Hist. of India (c.1200 - 1707): Political, Administrative & Social aspects	4	5
AHIS0502	Hist. of Modern India (1750-1950)	4	5
AHIS0503	Introduction to Museum Studies and Institutional Archives	3	4
AHIS0504	Hist. of the Marathas (Part 1 1600-1707)	4	5
AHIS0505	World History (1945-2000) – I	4	5
AHIS0506	Introduction to Cinema in 20th Century Mumbai	3	4
APOL0501	Political Process in Maharashtra – Historical Background	4	5
APOL0502	Western Political Thinkers	4	5
APOL0503	Issues in Indian Polity	3	4
APOL0504	American Political System- Constitutional Framework	4	5
APOL0505	International Politics Major Developments	4	5
APOL0506	Major Issues in Contemporary Politics - International Economic Issues	3	4
APSY0501	Psychometrics and Statistics – I	4	5
APSY0502	Abnormal Psychology – I	4	5
APSY0503	Industrial Organizational Psychology – I	3	4

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Table 7.13...continued from the previous page

Code	Course Title	L/W	Credit
APSY0504	Cognitive Psychology – I	4	5
APSY0505	Psychology Practicals - I	6	5
APSY0506	Insight Oriented Counseling	3	4
ASOC0501	Modern Sociological Theories - I <b>OR</b>	4	5
ASOC0502	Urban Sociology	4	5
ASOC0503	Popular Culture <b>OR</b>	4	5
ASOC0504	Sociology of Work and Management - I	4	5
ASOC0505	Media, Culture & Society - I (Applied Component) <b>OR</b>	3	4
ASOC0506	Gender Studies - I (Applied Component)	3	4
ASOC0507	Research Methods in Sociology - I	4	5
ASOC0508	Popular and Subaltern Movements - I <b>Option with Anthro 5.02</b>	4	5
ASOC0509	Introduction to Human Resource Dev (Applied Component)	3	4
ASTA0501	Probability & Sampling Distribution (A)	3	3
ASTA0502	Sampling Techniques	3	3
ASTA0503	Applied Statistics (A)	3	3
ASTA05PR	Statistics Practicals	9	5

### 7.1.8 BA Semester VI

Table 7.14: BA Semester VI

Code	Course Title	L/W	Credits
AAIC0601	Economic Institutions in Ancient India	4	5
AAIC0602	Evolution of Art & Architecture of India – II	4	5
AAIC0603	Intro of Ethno-Archaeology & Ethno Zoo-Archaeology in India	3	4
AAIC0604	Study of Protection, Conservation & Preservation of Antiquities	4	5
AAIC0605	Brief Survey of Religio-Philosophical Thoughts in India – II	4	5
AAIC0606	Brief Survey of Science & Technology in Ancient India	3	4
AANT0601	Anthropology: Perspectives, Theories & Frameworks – II	4	5
AANT0602	Anthropology of Development - II <b>Option with Socio 6.08</b>	4	5
AANT0603	Applied Anthropology - II (Applied Component)	3	4
ACOM0601	Introduction to Marketing – II	4	5
ACOM0602	Human Resource Management	4	5
ACOM0603	Cost Accumulation Accounting	3	4
AECO0601	Advanced Macroeconomics	4	5
AECO0602	Macroeconomics: Theory And Practice	4	5
AECO0603	Economic Development: Policy & Applications (1)	4	5
AECO0604	Economic Development: Policy & Applications (2)	4	5
AECO0605	An Introduction to Political Economy	3	4
AECO0606	International Finance: Theory & Policy <b>Option with Eco 6.08</b>	3	4
AECO0607	Mathematical Techniques for Economics	4	5
AECO0608	Advanced Econometrics – II <b>Option with Eco 6.06</b>	4	5
AECO0609	Applied Component - Corporate Finance <b>OR</b>	3	4
AECO0610	Indian Financial Markets	3	4
AENG0601	English Poetry (1750 - 1900)	4	5
AENG0602	Twentieth Century Fiction and Drama	4	5
AENG0603	Satire	3	4

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Table7.14...continued from the previous page

Code	Course Title	L/W	Credit
AENG0604	English Drama from Marlowe to Sheridan	4	5
AENG0605	Approaches to Popular Culture	4	5
AENG0606	Tales of the City	3	4
AHIS0601	History of India (c.1200-1707): Political, Administrative, Economic & Cultural Aspects	4	5
AHIS0602	A History of India after Independence (1947-1984)	4	5
AHIS0603	Urban Heritage of Mumbai.	3	4
AHIS0604	History of the Marathas - II (1708-1818)	4	5
AHIS0605	World History : 1945 – 2000 - II	4	5
AHIS0606	Introduction to Travel and Tourism in India.	3	4
APOL0601	Political Process in Maharashtra- Contemporary Issues	4	5
APOL0602	Political Thinkers – Indian	4	5
APOL0603	Issues in Indian Polity-Rights of Citizens of India	3	4
APOL0604	American Government and Politics	4	5
APOL0605	International Politics Major Issues	4	5
APOL0606	Major Issues in Contemporary Politics - International Social Issues	3	4
APSY0601	Psychometrics and Statistics – II	4	5
APSY0602	Abnormal Psychology – II	4	5
APSY0603	Industrial Organizational Psychology – II	3	4
APSY0604	Cognitive Psychology – II	4	5
APSY0605	Psychology Practicals – II	6	5
APSY0606	Action Oriented Counseling	3	4
ASOC0601	Modern Sociological Theories - II <b>OR</b>	4	5
ASOC0602	Sociology of the Life Course	4	5
ASOC0603	Sociology of Food <b>OR</b>	4	5
ASOC0604	Sociology of Work & Management - II	4	5
ASOC0605	Applied Component - Media, Culture & Society -II <b>OR</b>	3	4
ASOC0606	Gender Studies - II	3	4
ASOC0607	Research Methods in Sociology - II	4	5
ASOC0608	Popular and Subaltern Movements - II Option with Anthropology 6.02	4	5
ASOC0609	Organisational Development & Change (Applied Component)	3	4
ASTA0601	Probability & Sampling Distributions (B)	3	3
ASTA0602	Analysis of Variance & Design of Experiments	3	3
ASTA0603	Applied Statistics (B)	3	3
ASTA06PR	Statistics Practicals	9	5

Table 7.15: SY BA per Semester

Sub	AC	SPC	Sub 1-1	Sub 1-2	Sub 2-1	Sub 2-2	Sub 3-1	Sub 3-2	Total
L / W	4	3	3	3	3	3	3	3	25
Credits	3	3	3	3	3	3	3	3	24

Table 7.16: TY BA per Semester

Sub	C-1	C - 2	C - 3	C - 4	AC 1	AC 2	Total
L / W	4	4	4	4	3	3	22
Credits	5	5	5	5	4	4	28



## 7.2 Bachelor of Science (B.Sc.) Programme

Table 7.17: Science Subject Combinations

Science Subject Combinations			
Sr. No	Subject - 1	+	Subject - 2 (Any ONE)
01 - 03	Botany	+	Chemistry, Life Science, Zoology
04 - 07	Chemistry	+	Geology, Physics, Mathematics, Zoology
08 - 10	Geology	+	Life Science, Physics, Mathematics
11 - 13	Life Science	+	Chemistry, Physics, Zoology
14 - 16	Mathematics	+	Physics, Statistics, Economics*
17 - 19	Microbiology	+	Chemistry, Zoology, Physics
20 - 21	Statistics	+	Physics, Economics*

### 7.2.1 B Sc Semester I

Table 7.18: B Sc Semester I

B Sc Semester I				
Course	P	Course Title		Credits
Core 1	1	Core 1	2 Subjects from Table 7.19	4
Core 2	2	Core 2		4
VSC	3	Vocational Skill Courses	1 from Table 7.20	4
SEC	4	Skill Enhancement Courses	refer to Table 7.21	2
AEC	5	Ability Enhancement Courses	refer to Table 6.1	2
VEC	6	Value Education Course	refer to Table 6.2	2
IKS	7	Indian Knowledge System	refer to Table 6.3	2
OE-1	8	Open Elective 1	refer to Table 6.4 and 6.6	2
OE-2	9	Open Elective 2		
			Total Credits	22

Table 7.19: B Sc Semester I Core 1 and Core 2 Courses

B Sc Semester I Core 1 and Core 2 Courses				
	Subject	Code	Course Title	Credits
Core 1 and Core 2	Botany	USBOT4501CR1	Plant Morphology and Anatomy	4
	Chemistry	USCHE4501CR1	Fundamentals of Organic Chemistry and Periodicity of Elements	4
	Geology	USGEO4501CR1	Introduction to Earth System Sciences	4
	Life Science	USLSC4501CR1	Evolution: Biomolecules to Multicellularity	4
	Mathematics	USMAT4501CR1	Calculus and Discrete Mathematics	4
	Microbiology	USMIC4501CR1	Introduction to the World of Microbiology	4
	Physics	USPHY4501CR1	Mechanics	4
	Statistics	USSTA4501CR1	Fundamentals of Statistics (A)	4
	Zoology	USZOO4501CR1	Genetics	4
	Economics	USECO4501MN1	Microeconomics- I	4



Table 7.20: B Sc Vocational Skill Courses

B Sc Vocational Skill Courses				
	Subject	Code	Course Title	Credits
Vocational Skill Courses	Botany	USBOT4501VS1	Botanic Gardens	2
	Chemistry	USCHE4501VS1	ICT Tools in Chemistry	2
	Geology	USGEO4501VS1	Cartography -The science of maps. their creation and interpretation.	2
	Life Science	USLSC4501VS1	Microscopy and Colorimetry	2
	Mathematics	USMAT4501VS1	Combinatorics	2
	Microbiology	USMIC4501VS1	Basic Techniques in Molecular Biology	2
	Physics	USPHY4501VS1	Mechanical Measurement Techniques	2
	Statistics	USSTA4501VS1	Data Collection and Visualisation	2
	Zoology	USZOO4501VS1	Biotechniques	2

Table 7.21: B Sc Skill Enhancement Courses

B Sc Skill Enhancement Courses				
	Subject	Code	Course Title	Credits
Skill Enhancement	Botany	USBOT4501SE1	Biofertilisers	2
	Chemistry	USCHE4501SE1	ICT Tools in Science	2
	Geology	USGEO4501SE1	Cartography Unveiled: Maps, Their Creation and Interpretation	2
	Life Science	USLSC4501SE1	Microscopy and Colorimetry	2
	Math	USMAT4501SE1	Mathematical Computations using Sagemath	2
	Physics	USPHY4501SE1	Mechanical Measurement Techniques	2

## 7.2.2 B Sc Semester II

Table 7.22: B Sc Semester II

B Sc Semester II				
Course	P	Course Title		Credits
CR	1	Core 1	2 subjects from Table 7.23 same as Semester I	4
CR	2	Core 2		4
VSC	3	Vocational Skill Courses	refer to Table 7.20	4
SEC	4	Skill Enhancement Courses	refer to Table 7.24	2
AEC	5	Ability Enhancement Courses	refer to Table 6.1	2
VEC	6	Value Education Course	refer to Table 6.2	2
IKS	7	Indian Knowledge System	refer to Table 6.3	2
OE-1	8	Open Elective - 1	refer to Table 6.4 and 6.6	2
OE-2	9	Open Elective - 2		2
			Total Credits	22



Table 7.23: B Sc Semester II Core 1 and Core 2 Courses

B Sc Semester II Core 1 and Core 2 Courses				
	Subject	Course Title		Credits
Core 1 and Core 2	Botany	USBOT4502CR1	Cryptogams	4
	Chemistry	USCHE4502CR1	Essentials of Physical and Analytical Chemistry	4
	Geology	USGEO4502CR1	Basics of Mineralogy and Petrology	4
	Life Science	USLSC4502CR1	Molecular Cell Biology	4
	Mathematics	USMAT4502CR1	Calculus and Linear Algebra	4
	Microbiology	USMIC4502CR1	Elements of Microbial Nutrition, Growth and Control	4
	Physics	USPHY4502CR1	Waves and Thermodynamics	4
	Statistics	USSTA4502CR1	Fundamentals of Statistics (B)	4
	Zoology	USZOO4502CR1	Animal Diversity	4
	Economics	USECO4502MN1	MicroEconomics II	4

Table 7.24: B Sc Semester II Skill Enhancement Courses

B Sc Semester II Skill Enhancement Courses				
	Subject	Course Title		Credits
Skill Enhancement	Botany	USBOT4502SE1	Indian Forests and its Conservation	2
	Chemistry	USCHE4501SE1	ICT Tools in Science	2
	Geology	USGEO4502SE1	Climatology: Ocean-Atmosphere Linkage	2
	Life Science	USLSC4501SE1	Microscopy and Colorimetry	2
	Mathematics	USMAT4502SE1	Quantitative Mathematical Techniques	2
	BMS	UCMGS4501SE1	Intellectual Property Rights	2

**7.2.3 F.Y.B.Sc.:** A student shall offer any one of the course combinations available in the FY B Sc, with three Subjects and two Special Courses.

**7.2.3.1** Only students who have Biology as a subject in Std. XII may opt for combinations 1 to 6 (refer to Table 6.2, FY B Sc).

**7.2.3.2** Only students who have Mathematics as a subject at HSC (from the Science stream only) or other qualifying exams in Science may opt for combinations with Mathematics, Statistics, or Physics.

**7.2.3.3** Change of subjects will be allowed till a week after College begins, subject to availability of seats.

**7.2.4 S.Y.B.Sc.:** The choice of subjects will be approved only at the end of Semester II by the college in consultation with the Heads of the concerned departments based entirely on merit (total of concerned subject marks across the preceding 2 semesters) and the availability of seats.

**7.2.5 T.Y.B.Sc.:** Table 7.17 lists the subjects offered at the TY BSc:

**7.2.5.1** Single Majors: Physics, Chemistry, Mathematics, Statistics, Life Sciences and Geology.

**7.2.5.2 Double Majors** Botany, Biochemistry, Life Science, Microbiology & Zoology, provided that the subject has been offered at the SYBSc level.

**7.2.5.3** The choice of major/s will be decided only at the end of Semester IV, by the college in consultation with the Heads of Department/s of the concerned subject/s, based entirely on merit (total of concerned subjects' marks across the preceding 4 semesters) and the availability of seats.



Table 7.25: Bachelor of Science (B.Sc.)

Bachelor of Science (B.Sc.)			
SN	F.Y.B.Sc	S.Y.B.Sc	T.Y.B.Sc
1	(LSC+CHE+PHY)	(LSC+CHE) or (PHY+CHE)	LSC or (BCH + LSC) or CHE or PHY or CHE
2	(LSC+CHE+GEO)	(CHE + LSC) or (CHE+GEO)	LSC or (BCH + LSC) or CHE or CHE or GEO
3	(LSC+CHE+BOT)	(LSC+CHE) or (BOT+CHE)	LSC or (BCH + LSC) or CHE (BOT+BCH) or CHE
4	(MIC+CHE+PHY)	(MIC+CHE) or (PHY+CHE)	(BCH+MIC) or CHE CHE or PHY
5	(MIC+CHE+ZOO)	(MIC+CHE) or (CHE+ZOO)	(BCH + MIC) or CHE (BCH + ZOO) or CHE
6	(CHE+PHY+MAT)	(PHY+CHE) or (PHY+MAT)	CHE or PHY MAT or PHY
7	(PHY+CHE+GEO)	(CHE+GEO) or (CHE+PHY)	CHE or GEO CHE or PHY
8	(PHY+MAT+GEO)	(GEO+PHY) or (PHY+MAT)	GEO or PHY MAT or PHY
9	(PHY+MAT+STA)	(PHY+MAT) or (MAT+STA)	MAT or PHY MAT or STA
10	(BOT+CHE+ZOO)	(CHE+BOT) or (CHE+ZOO) or (BOO+ZOO)	(BOT+BCH) or CHE (BCH + ZOO) or CHE (BOT + ZOO)
11	(ECO+MAT+STA)	(MAT+STA)	MAT or STA
Key:	BOT - Botany, BCH - Biochemistry, CHE - Chemistry, ECO - Economics, GEO - Geology, LSC - Life Science, MAT - Mathematics, MIC - Microbiology, PHY - Physics, STA - Statistics, ZOO - Zoology		

### 7.2.6 B SC Semester III

Table 7.26: B Sc Semester III

Code	Course Title	L/W	Credits
SSPC0301	Special Course: Human Rights	3	3
SSCS0301	Scientific Communication Skills	1	1
SBOT0301	Algae and Fungi	3	2
SBOT0302	Photosynthesis and Respiration	3	2
SBOT0303	Anatomy & Embryology	3	2
SBOT03PR	Botany Practicals – III	9	3
SCHE0301	Physical and Analytical Chemistry – I	3	2
SCHE0302	Inorganic and Industrial Chemistry - I	3	2
SCHE0303	Organic and Industrial Chemistry - I	3	2
SCHE03PR	Chemistry Practicals - III	9	3
SGEO0301	Stratigraphy, General and Invertebrate Paleontology	3	2
SGEO0302	Crystallography	3	2
SGEO0303	Geomorphology & Cartographic Analysis	3	2
SGEO30PR	Geology Practicals - III	9	3

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Table 7.26...continued from the previous page

Code	Course Title	L/W	Credit
SLSC0301	Comparative Physiology- I	3	2
SLSC0302	Enzymes & Metabolic Pathways	3	2
SLSC0303	Microbes & Human Health	3	2
SLSC03PR	Life Science Practicals - III	9	3
SMAT0301	Calculus – III	3+1	3
SMAT0302	Algebra – III	3+1	3
SMAT0303	Discrete Mathematics	3	2
SMAT03PR	Mathematics Practicals - III	3	1
SMIC0301	Cell Biology, Microbial Virulence & Innate Immunity	3	2
SMIC0302	Introduction to Microbial Metabolism And Biostatistics	3	2
SMIC0303	Basics of Genetics & Bioinformatics	3	2
SMIC03PR	Microbiology Practicals – III	9	3
SPHY0301	Wave and Quantum Optics	3	2
SPHY0302	Mathematical Physics	3	2
SPHY0303	Electronics - I	3	2
SPHY03PR	Physics Practicals - III	9	3
SSTA0301	Probability & Sampling Distributions (A)	3	2
SSTA0302	Sampling Techniques	3	2
SSTA0303	Operations Research	3	2
SSTA03PR	Statistics Practicals	9	3
SZOO0301	Ethology and Parasitology	3	2
SZOO0302	Biostatistics and Evolution	3	2
SZOO0303	Advanced Genetics and Bioinformatics	3	2
SZOO03PR	Zoology Practicals - III	9	3

### 7.2.7 B SC Semester IV

Table 7.27: B Sc Semester IV

Code	Course Title	L/W	Credits
SSPC04n n = 1 to 10	Cross Faculty Course:		
	1. An Introduction to Gandhian Studies (History)	3	3
	2. Fundamentals of the Indian Constitution (Political Science)	3	3
	3. Indian Culture and Philosophy (AIC)	3	3
	4. International Economics (Economics)	3	3
	5. Management Accounting & Invest. Portfolio Management (BMS)	3	3
	6. Psychology of Relationships (Psychology)	3	3
	7. Representing the Nation through the News Media (BMM)	3	3
	8. Science of Culture (Sociology & Anthropology)	3	3
	9. Science, Technology & Social Change: Some Issues & Challenges (Sociology & Anthropology)	3	3
	10. Literature of Resistance (English)	3	3
SSCS0401	Scientific Communication Skills	1	1
SBOT0401	Lower Vascular Plants	3	2
SBOT0402	Angiosperm Families	3	2
SBOT0403	Analytical Tools	3	2
SBOT04PR	Botany Practicals – IV	9	3

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Table 7.27...continued from the previous page

Code	Course Title	L/W	Credit
SCHE0401	Physical and Analytical Chemistry – II	3	2
SCHE0402	Inorganic and Industrial Chemistry – II	3	2
SCHE0403	Organic and Industrial Chemistry – II	3	2
SCHE04PR	Chemistry Practicals - IV	9	3
SGEO0401	Economic mineral deposits	3	2
SGEO0402	Optical and Systematic Mineralogy	3	2
SGEO0403	Field Geology & Hydrogeology	3	2
SGEO04PR	Geology Practicals - IV	9	3
SLSC0401	Comparative Physiology- II	3	2
SLSC0402	Molecular Biology	3	2
SLSC0403	Biostatistics & Population Genetics	3	2
SLSC04PR	Life Science Practicals - IV	9	3
SMAT0401	Calculus – IV	3+1	3
SMAT0402	Algebra – IV	3+1	3
SMAT0403	Differential Equations	3	2
SMAT04PR	Mathematics Practicals - IV	3	1
SMAT0402	Algebra – IV	3+1	3
SMAT0403	Differential Equations	3	2
SMAT04PR	Mathematics Practicals - IV	3	1
SMIC0401	Virology and Immunology	3	2
SMIC0402	Environmental Microbiology	3	2
SMIC0403	Food Microbiology & Bioprocess Technology	3	2
SMIC04PR	Microbiology Practicals – IV	9	3
SPHY0401	Thermodynamics	3	2
SPHY0402	Quantum Mechanics	3	2
SPHY0403	Acoustics	3	2
SPHY04PR	Physics Practicals - IV	9	3
SSTA0401	Probability & Sampling Distributions (B)	3	2
SSTA0402	Analysis of Variance & Design of Experiments	3	2
SSTA0403	Industrial Statistics	3	2
SSTA04PR	Statistics Practicals	9	3
SZOO0401	Developmental Biology and Information Flow	3	2
SZOO0402	Cell Biology	3	2
SZOO0403	Biochemistry and Applied Zoology	3	2
SZOO04PR	Zoology Practicals - IV	9	3

### 7.2.8 B SC Semester V

Table 7.28: B Sc Semester V

Code	Course Title	L/W	Credits
SBOT0501	Cytogenetics & Biotechnology	4	4
SBOT0502	Plant Systematics	4	4
SBOT05PR	Botany Practicals – V	8	4
SCHE0501	Spectroscopy, Molecular & Nuclear Dynamics	4	4
SCHE0502	Chemical Bonding & Co-Ordination Chemistry	4	4

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Table 7.28...continued from the previous page

Code	Course Title	L/W	Credit
SCHE0503	Stereochemistry & Natural Products	4	4
SCHE0504	General Analytical Chemistry	4	4
SCHE05PR	Chemistry Practicals - V	16	8
SCHE05AC	Neuroscience	4	4
SCHE05ACPR	Applied Component Practicals	4	2
SGEO0501	Precambrian Geology of India	4	4
SGEO0502	Igneous Petrology	4	4
SGEO0503	Structural Geology	4	4
SGEO0504	Metamorphic Petrology	4	4
SGEO05PR	Geology Practicals - V	16	8
SGEO05AC	Remote Sensing and Image Interpretation	2	4
SGEO05ACPR	Applied Component Practicals	4	2
SLSC0501	Genetics	4	4
SLSC0502	Developmental Biology	4	4
SLSC0503	Industrial Biotechnology & Nanotechnology	4	4
SLSC0504	Ecology & Biodiversity	4	4
SLSC05PR	Life Science Practicals - V	16	8
SBCH0501	Cells and Biomolecules	4	4
SBCH0502	Nutrition & Metabolic Pathways	4	4
SBCH05PR	Biochemistry Practicals	8	4
SLSC05AC	Environment & Environmental Pollution	4	4
SLSC05ACPR	Applied Component Practicals	4	2
SMAT0501	Calculus – V	3	4
SMAT0502	Algebra – V	3	4
SMAT0503	Topology of Metric Spaces – I	3	4
SMAT0504	Numerical Methods – I	3	4
SMAT05PR	Mathematics Practicals – V	12	8
SMAT05AC	Computer Programming	4	4
SMAT05ACPR	Computer Programming Practicals	4	2
SMIC0501	Industrial Biotechnology & Genetics	4	4
SMIC0502	Medical Microbiology & Immunology I	4	4
SMIC05PR	Microbiology Practicals – V	8	4
SPHY0501	Classical Mechanics	4	4
SPHY0502	Statistical Mechanics	4	4
SPHY0503	Electronics - II	4	4
SPHY0504	Atomic and Molecular Physics	4	4
SPHY05PR	Physics Practicals - V	16	8
SPHY05AC	Digital Image Processing	4	4
SPHY05ACPR	Digital Image Processing Practicals	4	2
SSTA0501	Probability Theory	4	4
SSTA0502	Statistical Estimation	4	4
SSTA0503	Applied Statistics (IA)	4	4
SSTA0504	Applied Statistics (IIA)	4	4
SSTA05PR	Statistics Practicals	16	8
SSTA05AC	Statistical Computing using R	4	4
SSTA05ACPR	Applied Component Practicals	4	2

Continued on the next page





Table 7.28...continued from the previous page

Code	Course Title	L/W	Credit
SZOO0501	Ontogeny of Vertebrates, Behavioural Ecology & Conservation Biology	4	4
SZOO0502	Physiological Adaptations	4	4
SZOO05PR	Zoology Practicals - V	8	4
SZOO05AC	Insect Taxonomy and Applied Entomology	4	4
SZOO05ACPR	Economic Entomology Practicals	4	2

### 7.2.9 B SC Semester VI

Table 7.29: B Sc Semester VI

Code	Course Title	L/W	Credits
SBOT0601	Plant Growth Physiology	4	4
SBOT0602	Environmental Botany	4	4
SBOT06PR	Botany Practicals – VI	8	4
SCHE0601	General Physical Chemistry	4	4
SCHE0602	Solid State, Solution & Medicinal Chemistry	4	4
SCHE0603	Spectometric Identification & Synthetic Chemistry	4	4
SCHE0604	Instrumental Methods of Analysis	4	4
SCHE06PR	Chemistry Practicals - VI	16	8
SCHE06AC	Drugs & Color Chemistry	4	4
SCHE06ACPR	Applied Component Practicals	4	2
SGEO0601	Phanerozoic Geology of India	4	4
SGEO0602	Sedimentary Petrology	4	4
SGEO0603	Engineering Geology	4	4
SGEO0604	Photogrammetry, Aerial Photo Interpretation & GIS	4	4
SGEO06PR	Geology Practicals - VI	16	8
SGEO06AC	Gemmology	4	4
SGEO06ACPR	Applied Component Practicals	4	2
SLSC0601	Immunology	4	4
SLSC0602	Neurobiology	4	4
SLSC0603	Recombinant DNA Technology & Bioinformatics	4	4
SLSC0604	Sustainable Development & Carbon Management	4	4
SLSC06PR	Life Science Practicals - VI	16	8
SBCH0601	Biophysical and Bioanalytical Chemistry	4	4
SBCH0602	Metabolism, Clinical Biochemistry & Pharmacology	4	4
SBCH06PR	Biochemistry Practicals	8	4
SLSC06AC	Environment Sustainability & Legislation	4	4
SLSC06ACPR	Applied Component Practicals	4	2
SMAT0601	Calculus - VI	3	4
SMAT0602	Algebra – VI	3	4
SMAT0603	Topology of Metric Spaces – II	3	4
SMAT0604	Numerical Methods - II	3	4
SMAT06PR	Mathematics Practicals – VI	12	8
SMAT06AC	Number Theory and Projects	4	4
SMAT06ACPR	Number Theory and Projects Practicals	4	2
SMIC0601	Genetics, Molecular Biology & Bioinformatics	4	4

Continued on the next page



Table 7.29...continued from the previous page

Code	Course Title	L/W	Credit
SMIC0602	Medical Microbiology & Immunology-II	4	4
SMIC06PR	Microbiology Practicals – VI	8	4
SPHY0601	Modern Astrophysics	4	4
SPHY0602	Electrodynamics	4	4
SPHY0603	Nuclear Physics	4	4
SPHY0604	Solid State Physics	4	4
SPHY06PR	Physics Practicals - VI	16	8
SPHY06AC	Applied Physics	4	4
SPHY06ACPR	Applied Physics Practicals	4	2
SSTA0601	Probability Distributions & Stochastic Processes	4	4
SSTA0602	Statistical Inference	4	4
SSTA0603	Applied Statistics (I B)	4	4
SSTA0604	Applied Statistics (II B)	4	4
SSTA06PR	Statistics Practicals	16	8
SSTA06AC	Optimization Methods In Operations Research	4	4
SSTA06ACPR	Applied Component Practicals	4	2
SZOO0601	Basics of Enzymes, Toxicology, Histology and Nanoscience	4	4
SZOO0602	Immunology & Recombinant DNA Technology	4	4
SZOO06PR	Zoology Practicals - VI	8	4
SZOO06AC	Pest Management and Forensic Science	4	4
SZOO06ACPR	Economic Entomology Practicals	4	2

### 7.2.10 Summary of Science Courses

**Note:** One Credit consists of 30 hours of contact and self-study.

Table 7.30: SY B Sc per Semester

SY B Sc per Semester							
Subject	Theory		Practicals		Special Subject	Scientific Comm Skills	Total
	1	2	1	2			
L / W	9	9	9	9	3	1	40
Credits	6	6	3	3	3	1	22

Table 7.31: TY B Sc per Semester

SY B Sc per Semester					
Subject	Theory		Practicals		Total
	Course	AC	Course	AC	
	1,2,3,4	1,2	1,2,3,4	1,2	
L / W	16	4	16	4	40
Credits	16	4	8	2	30



## 7.3 Bachelor of Commerce

### 7.3.1 Introduction

Decree 4 of the 32nd General Congregation (1975) of the Society of Jesus has led the foundation for the establishment of the Commerce Section specifically catering to the needs of poor and needy working students. As a result, the Bombay Province of the Society of Jesus began the Commerce Section in St. Xavier's College in the year 1988.

The lectures scheduled at the commerce section are in the afternoon, facilitating an opportunity for students who opt for employment during the daytime and continue to learn. As an autonomous college since 2010, the Bachelor of Commerce (B. Com.) program syllabus has been continuously upgraded to the needs of the changing socio-economic educational environment in business and commerce, under the able guidance of a highly professional board of studies members.

It is now the 34th year of the establishment of the commerce section. During this journey of imparting value-based quality education, illustrious alumni have been placed in top-notch offices in the corporate world as well many of them have started their enterprises. Few of the alumni of the commerce section have also got entry into premier IIMs of India and few have completed their higher studies from top-notch global universities.

### 7.3.2 Number of seats: 240 students.

**7.3.2.1 Eligibility:** A candidate to be eligible for admission to the B.Com. The degree program shall have passed the 12th Standard examination in Commerce conducted by the Maharashtra State Board of Higher Education or its equivalent exam conducted by any authored Board or competent authority. In the matter of admission to the commerce section, preference is given to female students and all working students.

### 7.3.3 B Com Semester I

Table 7.32: B Com Semester I Courses

B Com Semester I Courses				
Course	P	Code	Course Title	Credits
Major	1	UCCOM4501MJ1	Financial Accounting-I	4
Minor	2	UCCOM4501MN1	Business Environment & Management	4
		UCCOM4502MN1	Business Economics - I	
VSC	3	UCCOM4501VS1	Spreadsheet & Database Management	2
		UCCOM4502VS1	Business Communication	
SEC		UCCOM4502SE1	Business Mathematics	2
AEC	5	UCCOM4501AE1	Communication Skills in English	2
		UCCOM4502AE1	Introduction to Hindi Stories	
VEC	6	UXCOI4501VE1	Fundamentals of Indian Constitution	2
IKS	7	UXIKS4501GN1	refer to Table 6.3	2
OE-1	8	Other Elective - 1	refer to Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
			Total Credits	22



### 7.3.4 B Com Semester II

Table 7.33: B Com Semester II Courses

B Com Semester I Courses				
Course	P	Code	Course Title	Credits
Major	1	UCCOM4501MJ1	Financial Accounting-II	4
Minor	2	UCCOM4503MN1	Services Sector	4
		UCCOM4504MN1	Business Economics - II	
VSC	3	UCCOM4501VS1	Spreadsheet & Database Management	2
		UCCOM4502VS1	Business Communication	
SEC		UCCOM4502SE1	Business Statistics	2
AEC	5	UCCOM4501AE1	Communication Skills in English	2
		UCCOM4502AE1	Introduction to Hindi Stores	
VEC	6	UXEVS4501VE1	Environmental Education	2
IKS	7	UXIKS4501GN1	refer to Table 6.3	2
OE-1	8	Other Elective - 1	refer to Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
Total Credits				22

### 7.3.5 B Com Semester III

Table 7.34: B Com Semester III

Code	Course Title	L/W	Credits
CSPC0301	Special Course: Human Rights	3	3
CCOM0301	Financial Accounting - I	5	4
CCOM0302	Business Economics - III	3	3
CCOM0303	Commercial Laws - I	4	3
CCOM0304	Commerce - V: Human Resource Management	3	3
CCOM0305	Financial Management –I	3	3
CCOM0306	Mass Communication	3	3

### 7.3.6 B Com Semester IV

Table 7.35: B Com Semester IV

Code	Course Title	L/W	Credits
CSPC0401	Special Course: Science & Technology	3	3
CCOM0401	Financial Accounting – II	5	4
CCOM0402	Business Economics - IV	3	3
CCOM0403	Commercial Laws – II	4	3
CCOM0404	Commerce - VI: Business Finance & Capital Market	3	3
CCOM0405	Financial Management -II	3	3
CCOM0406	Advertising	3	3



### 7.3.7 B Com Semester V

Table 7.36: B Com Semester V

Code	Course Title	L/W	Credits
CCOM0501	Basic Corporate Accounts	5	6
CCOM0502	Basics & Fundamentals of Costing & Auditing	4	5
CCOM0503	Management Accounting - I	3	5
CCOM0504	Business Economics – V	3	4
CCOM0505	Commerce - VII: Production & Material Management	3	3
	Applied Component:		
CCOM0506	Export Marketing	3	3
CCOM0507	Direct Tax – Income Tax	3	4

### 7.3.8 B Com Semester VI

Table 7.37: B Com Semester VI

Code	Course Title	L/W	Credits
CCOM0601	Advanced Corporate Accounts	5	6
CCOM0602	Advanced Auditing & Costing Accounting	4	5
CCOM0603	Management Accounting - II	3	5
CCOM0604	Business Economics – VI	3	4
CCOM0605	Commerce - VIII: Entrepreneurship	3	3
	Applied Component:		
CCOM0606	Corporate Laws	3	3
CCOM0607	Indirect Tax - GST	3	4

### 7.3.9 Summary of Commerce Courses

**Note:** One Credit consists of 30 hours of contact and self-study.

SY B Com per Semester								
Subject	1	2	3	4	5	6	7	Total
L / W	3	5	3	4	3	3	3	24
Credits	3	4	3	3	3	3	3	22

TY B Com per Semester								
Subject	1	2	3	4	5	6	7	Total
L / W	5	4	3	3	3	3	3	24
Credits	6	5	5	4	3	3	4	30



## 8. Undergraduate (Self-Financed) Courses

Table 8.1: Self Finance Subject Combinations

Self Finance Subject Combinations			
Sr. No	Major	+	Minor
01 - 03	Accounting and Finance	+	Information Technology, Management Studies, Mass Media and Journalism
04 - 06	Information Technology	+	Management Studies, Accounting and Finance, Mass Media and Journalism
07 -09	Mass Media and Journalism	+	Management Studies, Accounting and Finance, Information Technology
10 - 12	Management Studies	+	Mass Media and Journalism, Accounting and Finance, Information Technology

Table 8.2: Majors offered for Self-Financed Courses

Majors for Self Financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4501MJ1	Mass Communication, Society & Change	4
IT	USITY4501MJ1	Applied Mathematics	4
BMS	UCMGS4501MJ1	Principles of Management	4
BAF	UCACF4501MJ1	Financial Accounting - I	4

Table 8.3: Semester I Minors offered for Self-financed Courses

Semester I Minors for Self-financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4501MN1	Introduction to Advertising	4
	UAMCJ4503MN1	Sociology and Change management	4
IT	USITY4501MN1	Basics of Python Programming	4
BMS	UCMGS4501MN1	Fundamentals of Management	4
BAF	UCACF4501MN1	Introduction to Accounting	4



Table 8.4: Semester II Minors Offered for Self-financed Courses

Semester II Minors for Self-financed Courses			
Department	Code	Course Title	Credits
MCJ	UAMCJ4502MN1	Digital Content and Marketing	4
	UAMCJ4504MN1	Political Concepts and Changing Landscapes	4
BAF	UCACF4502MN1	Taxation	4
BMS	UCMGS4502MN1	Economics for Managers	4
IT	USITY4502MN1	Database Management System	4

## 8.1 BMS (Bachelor of Management Studies)

**8.1.1 Introduction:** The BMS programme at St. Xavier's College, Mumbai was started in the Academic Year 2001-02 as a **self-financed** 3-year undergraduate program affiliated to the University of Mumbai. The aim has always been to foster the spirit of entrepreneurship among young minds and to also develop middle-level managerial skills as required by the industry. As an Autonomous College since 2010, the BMS curriculum has been critically upgraded to bridge the industry-academia gap by including relevant courses in the fields of Finance, Marketing, Human Resources and Production. The teaching-learning process follows a blend of assignments, case studies and projects so as to equip the students with the requirements of the industry and to also instill in them the confidence to start their own venture. Through the campus placement process, the students are placed in some of the top-ranking Consulting firms, Banks, FMCG companies and Media companies immediately after the course. The alumni of the Department are not only placed in top positions in organisations across the globe but many of them have also started and sustained their own ventures and businesses that nurture inclusive growth through social entrepreneurship for the benefit of the society.

**8.1.2 Number of students:** 120 students (w.e.f. August 2021).

**8.1.3 Eligibility:** A candidate in order to be eligible for admission to the BMS degree programme shall have passed the 12<sup>th</sup> Std. Examination conducted by the **Maharashtra State Board of Higher Secondary Education** or its equivalent examination or Diploma in any Engineering branch with at least 2 years duration after passing the Secondary School Certificate (S.S.C.) examination conducted by the Board of Technical Education, Maharashtra State or equivalent examination.

**8.1.4 Eligibility Certificate:** refer to Section 4.3 on page 24.

**8.1.5 Admission Criteria:** For the BMS Programme, unlike other programmes, the students come from all 3 faculties (Arts, Science and Commerce) where the marking systems are very different. Hence an entrance test for this programme is conducted for admission purposes. Admissions are on the basis of the Entrance Test 4.1.2 & 4.1.6. Also, refer to 4.1.10 and Table 4.2.

**8.1.6 Minimum Requirement of Marks in Qualifying Exams:** Candidates applying in any of the categories, viz., General, Christian Minority Community, and Special Category should have passed the Qualifying Std. XII Examination (or any other equivalent Exams)

**8.1.7 Fees:** refer to Table 4.3, Table 4.4 and Section 4.5.





### 8.1.8 BMS Semester I

Table 8.5: BMS Semester I Courses

BMS Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCMGS4501MJ1	Principles of Management	4
MN	2	Minor	refer to Table 8.3	4
VSE	3	UCMGS4501VS1	Introduction to Business Law	2
SEC	4	UCMGS4501SE1	Intellectual Property Rights	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 8.1.9 BMS Semester II

Table 8.6: BMS Semester II Courses

BMS Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCMGS4502MJ1	Managerial Economics	4
MN	2	Minor	refer to Table 8.4	4
VSE	3	UCMGS4502VS1	Elements of Cost Accounting	2
SEC	4	UCMGS4502SE1	Negotiation & Conflict Management	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 8.1.10 BMS Semester III

Table 8.7: BMS - Semester III

Code	Course Title	L/W	Credits
CSPC0301	Special Course: Human Rights	3	3
CMS0301	Human Resource Management	4	4
CMS0302	Management Accounting	4	4
CMS0303	Operations Management	4	3
CMS0304	Consumer Behaviour	4	4
CMS0305	Macroeconomics	4	3
CMS0306	Elements of Taxation	4	3
	TOTAL	27	24



### 8.1.11 BMS Semester IV

Table 8.8: BMS Semester IV

Code	Course Title	L/W	Credits
CSPC04n n= 1 to 8	Cross Faculty Courses:	3	3
	Astronomy, Physics and its impact on the World (Physics)		
	Chem. in Context: Applying Chem. to society (Chemistry)		
	Descriptive Statistics (Statistics)		
	Garden Art (Botany)		
	Infectious Diseases: Staying Ahead (Microbiology)		
	Nutrition and Reproductive Health (Life Science)		
	Secret Lives of Animals (Zoology)		
	Web Designing (Information Technology)		
CMS0401	Research Methods in Business	4	4
CMS0402	Financial Management	4	4
CMS0403	Productivity & Quality Management	4	3
CMS0404	Cooperatives & Rural Markets	4	4
CMS0405	Business Environment	4	3
CMS0406	Banking, Insurance & Capital Markets	4	3
	TOTAL	27	24

### 8.1.12 BMS Semester V

Table 8.9: BMS - Semester V

Code	Course Title	L/W	Credits
CMS0501	Business Ethics & Corporate Social Responsibility	4	5
CMS0502	Service Sector Management	4	4
CMS0503	Supply Chain Management	4	4
CMS0504	Indian Management Thoughts and Practices	4	4
CMS0505	International Finance	4	4
CMS0506	Elective I: Financial Resource Raising	4	4
CMS0507	Elective II: International Business ANY ONE	4	4
CMS0508	Elective III: Training and Development	4	4
CMS0509PJ	Management Research Project	–	3
	TOTAL	24	28



### 8.1.13 BMS Semester VI

Table 8.10: BMS - Semester VI

Code	Course Title	L/W	Credits
CMS0601	Strategic Management	4	5
CMS0602	Risk Management	4	5
CMS0603	Operations Research	4	4
CMS0604	Entrepreneurship & Management of Small & Medium Enterprises	4	5
CMS0605	E-Commerce	4	4
CMS0606	Elective I: Invest. Analysis & Portfolio Mgt.	4	5
CMS0607	Elective II: Retail & Sales Management ANY ONE	4	5
CMS0608	Elective III: Econometrics	4	5
	TOTAL	24	28

### 8.1.14 Summary of Management Studies Courses

**Note:** One Credit consists of 30 hours of contact and self-study.

SY BMS per Semester								
Subjects	1	2	3	4	5	6	7	Total
L / W	3	4	4	4	4	4	4	27
Credits	3	4	4	3	4	3	3	24

TY BMS per Semester								
Subjects	1	2	3	4	5	6	7	Total
Sem V	L / W	4	4	4	4	4	–	24
	Credits	5	4	4	4	4	3	28
Sem VI	L / W	4	4	4	4	4	NA	24
	Credits	5	5	4	5	4	5	28

## 8.2 B A (Mass Communication & Journalism)

**8.2.1 Introduction:** This Programme introduced in 2002 is designed to build a strong foundation in fundamental art subjects. The Course curriculum helps students develop a critical and inquiry-based understanding of social evolution, political thought, economics, communication theory and ethics. In the final year of study advertising communication and journalism course specializations with emphasis on digital cultures are offered to groom students to meet the industry trends. Our alumni are employed in a range of media organisations from Creative, Digital, PR, Production, Broadcast and News media. A few pursue post-graduation degree in Management, Brand, Digital, Journalism, Visual Arts & Design, Film making and Policy. Some also have become Entrepreneurs in media related business.

**8.2.2 Number of Students:** 120 students (w.e.f. August 2021).

**8.2.3 Eligibility:** A candidate in order to be eligible for admission to the BA (MCJ) degree programme shall have passed the 12th Std. Examination conducted by the Maharashtra State Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branch with two or three or four years duration after passing the Secondary School Certificate (S.S.C.) examination conducted by the Board of Technical Education, Maharashtra State or equivalent examination.

**8.2.4 Eligibility Certificate:** refer to Section 4.3.

**8.2.5 Admission Criteria:** For the BA (MCJ) Programme, the students come from all 3 faculties (Arts, Science, and Commerce) where the marking systems are very different. Hence an entrance test for this programme is conducted for admission purposes. Admissions are based on the Entrance Test 4.1.2 and 4.1.6. Also, refer to 4.1.10 and Table 4.2.



**8.2.6 Minimum Requirement of Marks in Qualifying Exams:** Candidates applying in any of the categories, viz., General, Christian Minority Community, and Special Category should have passed the Qualifying Std. XII Examination (or any other equivalent Exams)

**8.2.7 Fees:** refer to Table 4.3, 4.4 and 4.5.

### 8.2.8 BA (MCJ) Semester I

Table 8.11: BA (MCJ) Semester I Courses

B A (MCJ) Semester I Courses				
Course	P	Course Codes	Course Titles	
MJ	1	UAMCJ4501MJ1	Mass Communication, Society & Change	4
MN	2	Minor	refer to Table 8.3	4
VSE	3	UAMCJ4501VS1	Visual Design & Communication	2
SEC	4	UAMCJ4501SE1	Storytelling in the Digital Age	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 8.2.9 BA (MCJ) Semester II

Table 8.12: B A (MCJ) Semester II Courses

B A (MCJ) Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	UAMCJ4502MJ1	History of Ideas	4
MN	2	Minor	refer to Table 8.4	4
VSE	3	UAMCJ4502VS1	Computer Graphics & Web design	2
SEC	4	UAMCJ4502SE1	Pod Cast and Community Radio	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
			Total Credits	22



### 8.2.10 BA (MCJ) Semester III

Table 8.13: BA (MCJ) - Semester III

Code	Course Title	L/W	Credits
ASPC0301	Special Course: Human Rights	3	3
AMM0301	Application of Economics Concepts	4	3
AMM0302	Cultural Studies	4	4
AMM0303	Introduction to Marketing Concepts	4	3
AMM0304	Introduction to Management Environment	4	4
AMM0305	Introduction to Journalism	4	3
AMM0306	Introduction to Photography	4	4
	TOTAL	27	24

Table 8.14: BA (MCJ) Semester IV

Code	Course Title	L/W	Credits
<i>ASPC04<sub>n</sub></i> <i>n = 1 to 8</i>	Cross Faculty Courses:	3	3
	Astronomy, Physics and its impact on the World (Physics)		
	Chem. in Context: Applying Chem. to society (Chemistry)		
	Descriptive Statistics (Statistics)		
	Garden Art (Botany)		
	Infectious Diseases: Staying Ahead (Microbiology)		
	Nutrition and Reproductive Health (Life Science)		
	Secret Lives of Animals (Zoology)		
	Web Designing (Information Technology)		
AMM0401	Writing Skills for Media	4	3
AMM0402	Introduction to Audio Video Production	4	4
AMM0403	Theory of Media	4	3
AMM0404	Mass Media Research	4	4
AMM0405	Introduction to Advertising Concepts	4	3
AMM0406	Film Reading & Appreciation	4	4
	TOTAL	27	24

### 8.2.11 BA (MCJ) Semester IV

Table 8.15: BA (MCJ) Advertising - Semester V

Code	Course Title	L/W	Credits
AMM0501	Advertising for International Markets	4	5
AMM0502	Media Law and Advertising Ethics	4	4
AMM0503	Consumer Behaviour	4	5
AMM0504	Introduction to Financial Markets	4	4
AMM0505	Contemporary Issues	4	5
AMM0506	Copywriting	4	5
	TOTAL	24	28



### 8.2.12 BA (MCJ) Semester V

Table 8.16: BA (MCJ) Journalism - Semester V

Code	Course Title	L/W	Credits
AMM0504	Introduction to Financial Markets	4	4
AMM0505	Contemporary Issues	4	5
AMM0507	Reporting	4	5
AMM0508	Editing	4	5
AMM0509	Feature and Opinion	4	5
AMM05010	Journalism and Public Opinion	4	4
	TOTAL	24	28

### 8.2.13 BA (MCJ) Semester VI

Table 8.17: BA (MCJ) - Semester VI

Code	Course Title	L/W	Credits
AMM0601	Introduction to Entrepreneurship	4	5
AMM0602	Brand Building	4	5
AMM0603	Financial Management	4	5
AMM0604	Public Relations	4	5
AMM0605	Advertising Design	4	4
AMM0606	Digital Marketing	4	4
	TOTAL	24	28

Table 8.18: BA (MCJ) - Semester VI

Code	Course Title	L/W	Credits
AMM0601	Introduction to Entrepreneurship	4	5
AMM0604	Public Relations	4	5
AMM0607	Press Laws and Ethics	4	4
AMM0608	Indian Regional Journalism	4	4
AMM0609	Newspaper and Magazine Making	4	5
AMM0610	Digital Media	4	5
	TOTAL	24	28

### 8.2.14 Summary of BA (MCJ) Courses

Note: One Credit consists of 30 hours of contact and self-study.

SY BA (MCJ) - per Semester								
Subjects	1	2	3	4	5	6	7	Total
L / W	3	4	4	4	4	4	4	27
Credits	3	3	4	3	4	3	4	24



Table 8.19

FY BA (MCJ) - per Semester								
Subjects		1	2	3	4	5	6	Total
Sem V	L/W	1	2	3	4	5	6	24
	Credits (Adv)	5	4	5	4	5	5	28
	Credits (J)	4	5	5	5	5	4	28
Sem VI	L/W	4	4	4	4	4	4	24
	Credits (Adv)	5	5	5	5	4	4	28
	Credits (J)	5	5	5	5	4	4	28

### 8.3 B Sc - IT (Information Technology)

**8.3.1 Introduction:** The B.Sc.- I.T. programme was initiated in 2007-2008 as one of the self-financed courses of St Xavier's College. The programme had produced subject-based Merit Rankers at the University level in 2012. Under autonomy, this programme offers a wide range of subjects across each of the six semesters offering exposure in areas that touch upon mathematical abilities (Applied Mathematics, Discrete Mathematics, Descriptive Statistics, Operations Research, etc.) to Computer Programming like Computer Graphics, The Art of Programming, Java, Net, etc. The programme updates its syllabi regularly and introduces into the curriculum new technologies like Image Processing and Deep Learning, Mobile Application Development, Artificial Intelligence, Data Mining, Cloud Computing, Big Data, etc.

**8.3.2 Number of Students:** 60 Students

**8.3.3 Eligibility:** The eligibility criteria for admission to a B.Sc. (IT) course requires at least 45 percent aggregate at the XII Std Examination of the Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent with Mathematics as one of the subjects. The admission will be based on 60 percent weightage to the score obtained in the entrance test and 40 percent weightage to the marks obtained in the qualifying Class XII Examinations.

**8.3.4 Admission Criteria:** Refer 4.1.10 and Table 4.2.

**8.3.5 Eligibility Certificate:** refer to Section 4.3.

**8.3.6 Fees:** refer to Table 4.3, 4.5 and 4.6

### 8.4 B SC (IT) Semester I

Table 8.20: B SC (IT) Semester I Courses

B SC (IT) Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	USITY4501MJ1	Applied Mathematics	4
MN	2	Minor	refer to Table 8.3	4
VSC	3	USITY4501VS1	The Art of Programming	2
AEC	4	USITY4501SE1	Introduction to Python Programming	2
AEC	5	Ability Enhancement Skill	1 from Table 6.1	2
VEC	6	Vocational Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
Total Credits				22



## 8.5 B SC (IT) Semester II

Table 8.21: B SC (IT) Semester II Courses

B SC (IT) Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	USITY4502MJ1	Descriptive Statistics	4
MN	2	Minor	refer to Table 8.4	4
VSC	3	USITY4502VS1	C++ Programming	2
SEC	4	USITY4502SE1	Advanced Python Programming	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from Table 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.6	2
OE-2	9	Other Elective - 2		2
Total Credits				22

## 8.6 B SC (IT) Semester III

Table 8.22: B Sc (IT) - Semester III

Code	Course Title	L/W	Credits
SSPC0301	Special Course: Human Rights	3	3
SITS0301	Logic & Discrete Mathematical Structures - LDMS	4	3
SITS0302	Web Designing & Programming	4	3
SITS0303	Data Base Systems and Concepts	4	3
SITS0304	Object Oriented Programming with JAVA	4	3
SITS0305	Embedded Systems	4	3
SITS03PR	Data Base Systems and Embedded System	6	3
SITS03PR	OOPS with JAVA and Web Designing	6	3
TOTAL		35	24

## 8.7 B SC (IT) Semester IV

Table 8.23: B Sc (IT) - Semester IV

Code	Course Title	L/W	Credits
SSPC04n n = 01 to 10	Cross Faculty Course:	3	3
	An Introduction to Gandhian Studies (History)		
	Fundamentals of Indian Constitution (Pol. Sci.)		
	Indian Culture and Philosophy (AICA)		
	International Economics (Economics)		
	Mgt. Accounting & Invest. Portfolio Mgt. (BMS)		
	Psychology of Relationships (Psychology)		
	Rep'ing the Nation through News Media (BMM)		
	Science of Culture (Socio. & Anthro.)		

Continued on the next page





Table 8.23...continued from the previous page

Code	Course Title	L/W	Credit
	Science, Technology & Social Change: Some Issues & Challenges (Socio. & Anthro.)		
	Literature & Resistance (English)		
SITS0401	Software Engineering	4	3
SITS0402	Modern Operating System	4	3
SITS0403	Mobile Application Development	4	3
SITS0404	Data Structure using JAVA	4	3
SITS0405	Statistical Techniques and Operation Research	4	3
SITS04PR	Modern Operating System & Mobile Application Dev.	6	3
SITS04PR	Data Structure using JAVA and Statistical Techniques	6	3
	TOTAL	35	24

## 8.8 B SC (IT) Semester V

Table 8.24: B Sc (IT) - Semester V

Code	Course Title	L/W	Credits
SITS0501	Network Security & Internet Technologies	4	4
SITS0502	C# with ASP.Net	4	4
SITS0503	Data Warehousing & Data Mining	4	4
SITS0504	E-Commerce and Enterprise Resource Planning	4	4
SITS0505	Introduction to Artificial Intelligence	4	4
SITS05PR	Network Security and Data Warehousing	6	4
SITS05PR	C # & ASP. NET and Introduction to Artificial Intelligence	6	4
SITS05PJ	Scientific Communication Skills & Project 1	-	
TOTAL		33	28

## 8.9 B SC (IT) Semester VI

Table 8.25: B Sc (IT) - Semester VI

Code	Course Title	L/W	Credits
SITS0601	Big Data and Cloud Computing	4	4
SITS0602	Image Processing and deep learning	4	4
SITS0603	Advanced Java	4	4
SITS0604	Software Testing	4	4
SITS06PR	Big Data Visualization & Advanced Java	6	4
SITS06PJ	Project, Scientific Communication Skills	3+9	8
TOTAL		34	28



### 8.9.1 Summary of B.Sc. (IT) Courses

**Note:** One Credit consists of 30 hours of contact and self-study.

SY B Sc (IT) Semester III & IV								
Course	Th-1	Th-2	Th-3	Th-4	Th-5	Th-6	Pracs.	Total
L / W	3	4	4	4	4	4	12	35
Credits	3	3	3	3	3	3	6	24

Table 8.26: TY B Sc (IT) Semester V & VI

FY BA (MCJ) - per Semester									
Course		Th-1	Th-2	Th-3	Th-4	Th-5	Pracs	Th-6	Total
Sem V	L/W	4	4	4	4	4	12	1	33
	Credits	4	4	4	4	4	8	—	28
Sem VI	L/W	4	4	4	4	—	6	12(PJ)	34
	Credits	4	4	4	4	—	4	8 (PJ)	28

## 8.10 B Com (Accounting and Finance)

**8.10.1 Introduction:** The BAF programme commences at St. Xavier's College from the start of the academic year 2022-23. It is a self-financed 3-year undergraduate program affiliated to the University of Mumbai. The aim is to provide a platform of cutting-edge content in the domain of accounting and finance, to students, who wish to transform themselves into good professionals in the areas of accounting and finance. As an autonomous college, the syllabus of BAF has been designed, keeping in mind the latest industry trends. This will be further upgraded to the needs of changing socio-economic educational environment in business and commerce, under able guidance of highly professional board of studies members. Emphasis while imparting content of the various courses of BAF is on practical learning extended by the industry experts in respective courses.

**8.10.2 Number of Students-** 60 Students.

**8.10.3 Eligibility:** A candidate for being eligible for admission to the B.Com (Accounting and Finance) degree program shall have passed the XIIth Standard Examination of Maharashtra State Board of Higher Education or its equivalent conducted by any authorised Board or competent authority and secured not less than 45 per cent marks in aggregate at the first attempt (40 per cent in case of reserved category).

**8.10.4 Eligibility Certificate-** refer to Section 4.3

**8.10.5 Fees-** refer to 4.3



### 8.10.6 B Com (A&F) Semester I

Table 8.27: B Com (A&amp;F) Semester I Courses

B Com (A&F) Semester I Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCACF4501MJ1	Financial Accounting-I	4
MN	2	Minor	refer to Table 8.3	4
VSC	3	UCACF4501VS1	Accounting through Software	2
SEC	4	UCACF4501SE1	Spreadsheet Application Software	2
AEC	5	Ability Enhancement Course	refer to Table 6.1	2
VEC	6	Value Education Course	1 from 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 8.10.7 B Com (A&F) Semester II

Table 8.28: B Com (A&amp;F) Semester II Courses

B Com (A&F) Semester II Courses				
Course	P	Code	Course Title	Credits
MJ	1	UCACF4502MJ1	Financial Accounting-II	4
MN	2	Minor	refer to Table 8.4	4
VSC	3	UCACF4502VS1	Business Communication and Report Writing	2
SEC	4	UCACF4502SE1	Fundamentals of Business Legal Framework	2
AEC	5	Ability Enhancement Course	1 from Table 6.1	2
VEC	6	Value Education Course	1 from 6.2	2
IKS	7	Indian Knowledge System	1 from Table 6.3	2
OE-1	8	Other Elective - 1	2 from Table 6.5 and 6.4	2
OE-2	9	Other Elective - 2		2
			Total Credits	22

### 8.10.8 B Com (A&F) Semester III

Table 8.29: B Com (AF) - Semester III

Code	Course Title	L/W	Credits
CSPC0301	Special Course: Human Rights	3	3
CBAF0301	Financial Accounting III	4	4
CBAF0302	Auditing	4	3
CBAF0303	Cost Accounting - I	4	4
CBAF0304	Indirect Taxes [Goods and Services Tax- I]	4	4
CBAF0305	Macroeconomics	4	3
CBAF0306	Corporate Law	4	3

**8.10.9 B Com (A&F) Semester IV**

Table 8.30: B Com (AF)- Semester IV

Code	Course Title	L/W	Credits
CSPC0401	Special Course: Cross Faculty Course	3	3
CBAF0401	Financial Accounting IV	4	4
CBAF0402	Organisational Behaviour	4	3
CBAF0403	Cost Accounting II	4	4
CBAF0404	Direct Taxes [Income Tax – I]	4	4
CBAF0405	Management Accounting	4	3
CBAF0406	Research Methodology in Accounting and Finance	4	3

**8.10.10 B Com (A&F) Semester V**

Table 8.31: B Com (AF) - Semester V

Code	Course Title	L/W	Credits
CBAF0501	Financial Accounting V	4	5
CBAF0502	Indian Economy	4	4
CBAF0503	Business Analytics	4	4
CBAF0504	Direct Taxes [Income Tax-II]	4	4
CBAF0505	Cost Accounting III	4	4
CBAF0506	Elective I: Security Analysis & Portfolio Management	4	4
CBAF0507	Elective II :Operation Research OR	4	4
CBAF0508	Elective III:Financial Analysis & Business Valuation OR	4	4
CBAF0509	Project Work based on Internship		3

**8.10.11 B Com (A&F) Semester VI**

Table 8.32: B Com (AF) - Semester VI

Code	Course Title	L/W	Credits
CBAF0601	Financial Accounting VI	4	5
CBAF0602	Financial Accounting VII	4	5
CBAF0603	International Finance	4	4
CBAF0604	Management Applications	4	4
CBAF0605	Financial Management II	4	5
CBAF0606	Elective I : Financial Securities and Derivatives OR	4	5
CBAF0607	Elective II : Econometrics OR	4	5
CBAF0608	Elective III: Taxation - Indirect Taxes - II	4	5

**8.10.12 Summary of B.Com (A F) Courses**

**Note:** One Credit consists of 30 hours of contact and self-study.

FY B Com (AF) per Semester								
Subject	1	2	3	4	5	6	7	Total
L / W	3	4	4	4	4	4	4	27
Credits	3	3	3	3	3	3	3	21



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Table 8.33: TY B Com (AF) per Semester

FY BA (MCJ) - per Semester									
	Subject	1	2	3	4	5	6	7	Total
Sem V	L / W	4	4	4	4	4	4	–	24
	Credits	5	4	4	4	4	4	3	28
Sem VI	L / W	4	4	4	4	4	4	NA	24
	Credits	5	5	4	4	5	5	NA	28

SY B Com (AF) per Semester									
Subject	1	2	3	4	5	6	7	Total	
L / W	3	4	4	4	4	4	4	27	
Credits	3	3	3	3	3	3	3	24	



## 9. Postgraduate Science (Aided) Courses

### 9.1 M. Sc. Programme: An Overview

**9.1.1** Admissions to the M.Sc. programmes begin in the last week of May and will close only after the declaration of the B. Sc. Degree results of the University of Mumbai sometime in the second or third week of June. If the Mumbai University semester VI results are not declared, admissions will be based on the semester V marks obtained.

**9.1.2 Mode of Application** The College has introduced an ONLINE application system for the above-mentioned First Year Post-Graduate M.Sc. Part - I Programmes. All candidates applying for admission are expected to apply through the online application system on the homepage of the website [www.xaviers.edu](http://www.xaviers.edu). Students are expected to post a copy of their mark-sheets from Semester I to Semester VI along with the Application Form generated online to the college. The Online Application fee is ₹500 and it is to be paid by demand draft in favour of 'St. Xavier's College, Mumbai', payable in Mumbai.

**9.1.3** The last date for submission of online application forms for admission to the College and dates for the display of merit lists will be put up on the "homepage" of the college website after the declaration of the B.Sc. Degree results of Mumbai University.

**9.1.4** At the time of admission the candidate must submit the following documents.

**9.1.4.1** Degree Marksheets & Pass Certificate (Original + 2 attested copies)

**9.1.4.2** Baptism Certificate (for Christians)

**9.1.4.3** Admissions to the above courses will begin only after the declaration of the B. Sc. Degree results of the University of Mumbai.

**9.1.5** Students are selected for all the M. Sc. courses covered in this Section of the handbook on the basis of the marks/grades secured at the qualifying UG examination.

**9.1.6** Students passing the B. Sc. Degree from Universities other than Mumbai University and seeking admissions to First Year M. Sc. Courses are required to apply for a Provisional Eligibility Certificate (EC) through the College at the time of admission. The EC Application Form, available at the College Office, should be duly filled and submitted with an attested copy of the B. Sc. Degree marksheet and a passport size photograph along with the prescribed fees of ₹320 & ₹500 (for verification of documents) to the College Office. Once admission is granted, for confirmation of the eligibility, students should submit to the College Office, within the First Semester, the Passing Certificate & the Migration Certificate (both in originals).

**9.1.7** Students passing degree examinations from Mumbai University will be required to submit the Transfer Certificate issued by their respective Colleges. This needs to be submitted after completion of the admissions process to the College.

**9.1.8** Students passing the B. Sc. Degree from Universities other than Mumbai, Documentary Evidence regarding Special Category (refer to Section 4.1.10 )

**9.1.9 Total No. of Seats for Aided Courses:** 20 seats per year each for Botany, Geology, Life Science, and Microbiology.

**9.1.10 Fees (for Aided M.Sc. only):** Includes Deposit and Laboratory Fees, as sanctioned by the Board of Management, St. Xavier's College (Autonomous); refer to 4.3.

**9.1.11 Reservation of Seats:** Refer to Table 9.1.



Table 9.1: M.Sc. (20 Aided seats) and M.Sc. (Self-Financed) (40/30/20 seats) M.A. (Aided) and M.A. Self-Financed) (60/30 seats)

Seat Reservation	
Category	Criteria
TOTAL SEATS 100% (i.e., 20 or 30 or 60)	
Management Quota: 15% of 20 seats OR 15% of 25/30 seats OR 15% of 60 seats (for M.A.)	Case A
BALANCE SEATS 85% (i.e., 17 or 25 or 51)	
Christian Minority: 50% of 85% of 20 seats OR 50% of 85% of 25/30 seats OR 50% of 85% of 60 seats (for M.A.)	Case D
General Category: 42% of 85% of 20 seats OR 42% of 85% of 25/30 seats OR 42% of 85% of 60 seats (for M.A.)	Case D
Others Persons with Disability Category: 5% of 85% of 20 seats OR 5% of 85% of 25/30 seats OR 5% of 85% of 60 seats (for M.A.) Special Category** (refer to 4.1.10).; page 85 3% of 85% of 20 seats OR 3% of 85% of 25 / 30 seats OR 3% of 85% of 60 seats (for M.A.)	Case D
<b>Key:</b> Case A: Only for those the College is obliged to admit and without any quid pro quo. Case D: Admitted on the basis of their Merit Rank which is based on performance at the appropriate Graduation Examinations.	

## 9.2 Credit Structure of PG Courses

Table 9.2: Credit Structure of All Aided, Economics, Public Policy, AIC PGP

Credit Structure of All Aided, Economics, Public Policy, AIC PGP								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 1	12	4	4	2	0	22	PG Diploma after TY
	Sem 2	12	4	0	6	0	22	
	Cum Cr	24	8	4	8	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	12	4	0	0	6	22	
	Cum Cr	24	8	0	0	12	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								





## 9.3 M.Sc. Botany

**9.3.1 Introduction:** Botany is a discipline of the Biological Sciences and specifically the Science of Plant Life. The field of Botany covers a wide range of scientific disciplines including structure, growth, reproduction, physiology, metabolism, development, diseases, chemical properties, classification and evolutionary relationships among the taxonomic groups of plants. Botany began with early human efforts to identify edible, medicinal and poisonous plants, making it one of the oldest branches of science. The study of plants is vital because they are a fundamental part of life on earth, and generate the oxygen and food that allow humans and other organisms to exist. India is rich in Biodiversity of plants and other biological organisms. It is a source of our food, medicine and many other requirements of life. Biodiversity is one of the important areas to be studied and understood. In order to cater to this need, the Botany Department of St. Xavier's College (Autonomous) offers the M. Sc. degree in Botany under its Autonomous system which allows us to design our own syllabi and our own evaluation system. The degree is awarded by the University of Mumbai.

### 9.3.2 Eligibility Criteria

**9.3.2.1** A candidate for being eligible for admission to the M. Sc. Degree in Botany should have passed the B. Sc. (Three years integrated course) degree examination of the University of Mumbai with at least seven units (i.e., minimum required for majoring in a subject) in Botany or B. Sc. Botany from any other University recognised as equivalent thereto.

**9.3.2.2 For Eligibility/Transfer/Migration Certificates:** refer to 9.1.5 and 9.1.9 . For Reservation Criteria: refer to Table 9.1.

### 9.3.3 List Of Courses/Specialisations

St. Xavier's College (Autonomous), Mumbai offers the M. Sc. Degree in Botany in one specialisation, viz., Angiosperm Taxonomy.

### 9.3.4 M Sc Semester I

Table 9.3: M Sc Botany Semester I Courses

M Sc Botany Semester I Courses			
Paper	Code	Course Title	Credits
1	PSBOT6001CR1	Algae and Bryophytes	4
2	PSBOT6002CR1	Plant Taxonomy	4
3	PSBOT6003CR1	Molecular Biology	4
4	PSBOT6001RM1	Research Methodology	4
5	PSBOT6001EL1	Instrumentation	4
6	PSBOT6001FP1	Field Project in Botany	2
		Total Credits	22



### 9.3.5 M Sc Semester II

Table 9.4: M Sc Botany Semester II Courses

M Sc Botany Semester II Courses			
Paper	Code	Course Title	Credits
1	PSBOT6004CR1	Plant Pathology	4
2	PSBOT6005CR1	Phytochemistry	4
3	PSBOT6006CR1	Plant Development	4
4	PSBOT6002EL1	Economic Botany	4
5	PSBOT6002FP1	Field Project in Botany	6
		Total Credits	22

### 9.3.6 M Sc Semester III

Table 9.5: M Sc (Botany) - Semester III

Code	Course Title	L/W	Credits
SBOT0901	Biostatistics	4	4
SBOT0902	Plant Pathology	4	4
SBOT0903	Applied Botany	4	4
SBOT0904	Angiosperms- I (Phylogeny and Nomenclature)	4	4

### 9.3.7 M Sc Semester IV

Table 9.6: M Sc (Botany) - Semester IV

Code	Course Title	L/W	Credits
SBOT1001	Instrumentation	4	4
SBOT1002	Angiosperms- II (Characters and Ethnobotany)	4	4
SBOT1003	Angiosperms-III (Taxonomic Aids)	4	4
SBOT1004	Angiosperms-IV (Geography and IPR)	4	4
SBOT10PR	Practicals	16	8

9.3.7.1 Semesters I, II, III, and IV Credit distribution is shown in Table 9.7.

Table 9.7: Credit Distribution Semester - I, II, III, IV

Subject	Course 1, 2, 3 and 4 Theory	Course 1, 2, 3 and 4 Practical	Total
L / W	16	16	32
Credits	16	08	24

### 9.3.8 Schemes of Evaluation:

End Semester Exam 60% + Internal Assessment 40% (for each Course). A Research Project in Semester IV will be a compulsory requirement.



### 9.3.9 Facilities in the Department

The Botany Department of St. Xavier's College is the only department in the entire University of Mumbai to have the Blatter Herbarium with its collection of 2,00,000 herbarium specimens which includes a major collection of Angiosperm. In addition, it also holds a collection of algae, fungi, and Gymnosperms. The Herbarium also has a well-stocked attached library having 5000 volumes of Angiosperm Taxonomy-related books, and various national and international research journals. The department also offers the Ph. D. Programme in Angiosperm Taxonomy. We have two newly developed, well-equipped, multimedia-dedicated postgraduate labs for the M. Sc. Programme. A central Instrumentation facility (CIF Lab) provides access to a number of advanced and newly acquired instruments required for practicals.

### 9.3.10 Other Activities of this Programme

The Course is aimed at training the PG students for research. Students have to give regular seminars in the subject. Field trips accompanied by qualified and experienced teachers along with Ph. D. students

## 9.4 M.Sc. (Geology)

**9.4.1 Introduction:** This is a two-year Geology course which covers all the major aspects of this discipline. This course is affiliated to and recognised by the University of Mumbai. Students can also add a certain specialisation to their M.Sc. studies as they have to undertake a dissertation (research project). In contemporary times, Geologists are increasingly in demand to study and evaluate geologic hazards and natural resources such as oil and gas. The Placement Cell of the College helps in connecting our students with such employment avenues.

### 9.4.2 Eligibility Criteria

**9.4.2.1** Graduates with a degree from a recognised University/College with a major subject as Geology (at least 50% of the total credits earned or equivalent in marks, should be in Geology) can apply.

**9.4.2.2 For Eligibility/Transfer/Migration Certificates:** For eligibility refer 9.1.5 and for number of seats refer to 9.1.9. For Reservation Criteria refer to: 9.1.

### 9.4.3 List of Courses

The courses offered at the post-graduate program (four semesters) in Geology have been designed by keeping the present-day industry requirements in mind. A dissertation in the final semester is aimed at exposing the learner to present day trends of research in the subject.

### 9.4.4 M Sc Semester I

Table 9.8: M Sc Geology Semester I Courses

M Sc Geology Semester I Courses			
Paper	Code	Course Title	Credits
1	PSGEO6001CR1	Indian Stratigraphy: Geological Evolution of India	4
2	PSGEO6002CR1	Geochemistry: Applications of Chemistry in Earth Sciences	4
3	PSGEO6003CR1	Advanced Structural Geology: Concepts and Applications	4
4	PSGEO6001RM1	Research Methodology and Communication Skills in Earth Sciences	4
5	PSGEO6001EL1	Practical Gemmology - Identification and Assessment of Gem Material	4
6	PSGEO6001FP1	Field Project	2
		Total Credits	22



### 9.4.5 M Sc Semester II

Table 9.9: M Sc Geology Semester II Courses

M Sc Geology Semester II Courses			
Paper	Code	Course Title	Credits
1	PSGEO6004CR1	Igneous Petrology: Magmatic Processes and Petrogenesis	4
2	PSGEO6005CR1	Metamorphic Petrology: Petrogenesis and Evolution	4
3	PSGEO6006CR1	Sedimentary Petrology: Sedimentary Environments and Processes	4
4	PSGEO6002EL1	Remote Sensing: Processes, & Applications in Earth Sciences	4
5	PSGEO6002FP1	Geology Field Training Project	6
Total Credits			22

### 9.4.6 M Sc Semester III

Table 9.10: M.Sc. (Geology) - Semester III

Code	Course Title	L/W	Credits
SGEO0901	General and Invertebrate Paleontology	4	4
SGEO0902	Hydrogeology	4	4
SGEO0903	Geophysical Prospecting	4	4
SGEO0904	Coal and Petroleum Geology	4	4
SGEO0901PR	General and Invertebrate Paleontology	4	2
SGEO0902PR	Hydrogeology	4	2
SGEO0903PR	Geophysical Prospecting	4	2
SGEO0904PR	Coal and Petroleum Geology	4	2

### 9.4.7 M Sc Semester IV

Table 9.11: M.Sc. (Geology) - Semester IV

Code	Course Title	L/W	Credits
SGEO1001	Micropaleontology and Oceanography	4	4
SGEO1002	Engineering Geology	4	4
SGEO1003	Economic Geology	4	4
SGEO1004	Dissertation*	8	6
SGEO1001PR	Micropaleontology and Oceanography	4	2
SGEO1002PR	Engineering Geology	4	2
SGEO1003PR	Economic Geology	4	2

The Dissertation entails fieldwork, lab work, report, presentation, and viva voce. Semesters I, II and III Credit distribution is shown in Table 9.12

Semester IV Credit distribution is shown in Table 9.13.

#### 9.4.7.1 Scheme of Evaluation (Theory and Practical Courses)

**9.4.7.1.1** Continuous Internal Assessment - 50 %

**9.4.7.1.2** End Semester Examination – 50 %



Table 9.12: Credit Distribution Semester - I, II, III

Credit Distribution Semester - I, II, III		
Subject	L/W	Credit
Subject Course 1, 2, 3 and 4 Theory	16	16
Subject Course 1, 2, 3 and 4 Practical	16	08
Total	32	24

Table 9.13: Credit Distribution Semester - IV

Credit Distribution Semester - IV		
Subject	L/W	Credit
Subject Course 1, 2 and 3 Theory	12	12
Subject Course 1, 2 and 3 Practical	12	06
Dissertation	8	6
Total	32	24

#### 9.4.7.2 Integrated Fieldwork

There are mandatory two weeks of fieldwork at the end of the first semester. The field areas are specifically chosen to offer a rich learning experience through exercises in detailed geological mapping, sample collection, analysis of satellite imageries of the study area and actual large-scale mapping. The aim of this field training is to initiate the student into learning techniques which will be useful for his/her dissertation during the fourth semester. It will also help the student during his/her professional career as a Geologist.

### 9.4.8 Facilities in the Department

**9.4.8.1** Along with the standard laboratory equipment for Earth Sciences, the Department has research grade petrological microscopes and student petrological microscopes. The rock and mineral section cutting unit is well equipped with machines and trained manpower for preparing rock and mineral thin sections. Five microscopes are procured for ore-microscopy studies. For sedimentology work, a sieve shaker with standard set of sieves and good binocular zoom microscopes are available. Ground water exploration work is done using the Electrical Resistivity and Sounding system. The department has licensed software for the GIS and Remote Sensing work. Modern surveying equipment such as GPS, Theodolite, and Auto Level along with all accessories is available for detailed field mapping.

**9.4.8.2** Over the span of about 90 years, the Department has accumulated a formidable collection of rocks and mineral specimens from around the world. A well-stocked rock-thin section library is also present. Topographical maps covering almost the entire country are available in digital form and in print along with digital satellite imageries of large parts of the country. The Department has a UV lamp for mineral exploration. In addition, the department has acquired new equipment like a Total station, GPS, Groundwater resistivity (low frequency), a Petrothin sectioning system for petrographic thin sections, and a drone for aerial photography. Facilities for wet and dry chemical analysis of rocks and standard equipment for measuring load load-bearing capacity of rocks (unconfined compressive strength) are available. The centralised library has some of the latest publications in Earth Sciences and allied fields and is also supported by the online N-List (INFLIBNET) and a considerable collection of reference books in the departmental and faculty library. Learners are also encouraged to participate in summer and winter internships, for which, placement assistance is provided.

## 9.5 M.Sc. (Life Sciences)

**9.5.1** M Sc Life Science (By Papers) with a specialisation in Applied Medical Science. The Department of Life Science started the M. Sc. course in 1980. It offers two post-graduate programmes.

**9.5.1.1** Life Science is a vast subject that is structured to engage a student in multiple avenues of biology. The applied sciences draw from the fundamentals that are taught in the programme and focus attention on the medical field. This acts as a launch pad for careers in diverse fields, ranging from a purely academic endeavour such as research and teaching to entrepreneurship, law, science writing, etc. The programme is designed to



strengthen and enhance a student's understanding and knowledge of Biology by exposure to several fields such as Cell Biology, Physiology, Genetics, Immunology, Microbiology, etc., in mainstream biology and allied fields such as Biochemistry, Biostatistics, Pharmacology, Cancer and Stem cell biology and Bioinformatics.

**9.5.1.2** The programme will be conducted by the eleven faculty of the department using a blended learning approach which includes classical classroom teaching, self-study, experiential learning, seminars, presentations, field visits, etc. As part of their training, students will have an opportunity to work on a research project in the second year and submit a dissertation/report on it. The students are also strongly encouraged to complete summer internships to complement the programme.

**9.5.2 M Sc. in Life Science (By Research)** There are two research guides for a PG programme in the department. Interested candidates may approach the department for further details.

### 9.5.2.1 Eligibility Criteria

**9.5.2.1.1** Graduates in Botany, Biochemistry, Biotechnology, Life Science, Microbiology, and Zoology from the University of Mumbai are all eligible.

**9.5.2.1.2** Graduates in any of the above-mentioned disciplines from other Universities are also eligible but will have to fulfil **9.5.2.1.3**.

**9.5.2.1.3 For Eligibility/Transfer/Migration Certificates** : refer to **9.1.5** and **9.1.9**. For Reservation Criteria: refer to Table **9.1**.

**9.5.2.2** Process of Selection: Applicants will be selected based on the T.Y.BSc marks/grades.

### 9.5.3 M Sc Semester I

Table 9.14: M Sc Life Science and Biochemistry Semester I Courses

M Sc Life Science and Biochemistry Semester I Courses			
Paper	Code	Course Title	Credits
1	PSLSC6001CR1	Cell Biology	4
2	PSLSC6002CR1	Biochemistry	4
3	PSLSC6003CR1	Analytical Techniques	4
4	PSLSC6001RM1	Research Methodology	4
5	PSLSC6001EL1	Intellectual Property Rights and Entrepreneurship	4
	PSLSC6002EL1	Laboratory Management	
6	PSLSC6001OJ1	On Job Training	2
Total Credits			22



### 9.5.4 M Sc Semester II

Table 9.15: M Sc Life Science and Biochemistry Semester II Courses

M Sc Life Science and Biochemistry Semester II Courses			
Paper	Code	Course Title	Credits
1	PSLSC6004CR1	Human Physiology	4
2	PSLSC6005CR1	Immunology	4
3	PSLSC6006CR1	Infectious Diseases	4
4	PSLSC6003EL1	Bioinformatics	4
	PSLSC6004EL1	Mathematics and Statistics in Biology	
5	PSLSC6001OJ1	OJT/FP/PJ	6
Total Credits			22

### 9.5.5 M Sc Semester III

Table 9.16: M.Sc. (Life Sciences)- Semester III

Code	Course Title	L/W	Credits
SLSC0901	Human Physiology - II	4	4
SLSC0902	Molecular Biology & Recombinant DNA Technology	4	4
SLSC0903	Bioinformatics & Routine Diagnostics	4	4
SLSC0904	Clinical Microbiology and Public Health	4	4
SLSC09PR	Practicals	16	8

### 9.5.6 M Sc Semester IV

Table 9.17: M.Sc. (Life Sciences) - Semester IV

Code	Course Title	L/W	Credits
SLSC1001	Human Genetics	4	4
SLSC1002	Pharmacology & Clinical Research	4	4
SLSC1003	Cancer Biology & Stem Cell Biology	4	4
SLSC1004	Applied Biology	4	4
SLSC10PR	Practicals	16	8

9.5.7 Semesters I, II, III & IV Credit distribution is shown in Table 9.18

Table 9.18: Semesters I, II, III &amp; IV Credit Distribution

Credit Distribution		
Subject	L/W	Credits
Course 1, 2, 3 and 4 Theory	16	16
Course 1, 2, 3	16	8
Total	32	24

### 9.5.8 Scheme of Evaluation

9.5.8.1 **Internal 50%:** 2 internal tests each for 25% of the total marks Tests/Quizzes/MCQs/Assignments/Esays/Case Studies/Presentations/Projects/Surveys/Flipped Classes.



**9.5.8.2 External 50%:** 1 Examination for 2 hours at the end of each semester.

## 9.5.9 Facilities in the Department

**9.5.9.1** The Department of Life Science & Bio-Chemistry is recognised by the University of Mumbai for M Sc (by Research) and Ph. D., with research guides for both.

**9.5.9.2** All equipment and requirements for M Sc (by Papers / by Research) along with a common instrumentation facility and Library are available.

**9.5.9.3** Other activities for this course: Annual Seminars/Conferences/Internships/Industrial Visits/Guest Speakers.

## 9.6 M.Sc. (Microbiology)

**9.6.1 Introduction:** The Department of Microbiology, St. Xavier's College, is the oldest Microbiology Department in the country (over eighty years old). Microbiology, one of the three classical disciplines in the Biological Sciences is an extremely diverse and complex field. A constantly changing and advancing science it has spawned the evolution of modern scientific disciplines like microbial biotechnology, genetic engineering, immunology, molecular biology, and genomics and solved many challenges in health, energy, environment, etc. This 2-year, 4-semester autonomous credit-based M. Sc. programme is affiliated with the University of Mumbai. The course is designed to provide students with training and research experience that will prepare them for a wide range of careers in pure and applied sciences.

### 9.6.2 Eligibility Criteria

**9.6.2.1** A candidate for being eligible for admission to the M. Sc. Degree in Microbiology should have passed the B. Sc. (Three-year integrated course) degree examination of the University of Mumbai with at least 14 theory courses and 6 practical courses (i.e. minimum required for majoring in a subject) in Microbiology OR B. Sc. Microbiology from any other University.

**9.6.2.2 For Eligibility/Transfer/Migration Certificates:** refer to 9.1.5 to 9.1.9. Reservation Criteria: refer to: 9.1.

### 9.6.3 M Sc Semester I

Table 9.19: M Sc Microbiology Semester I Courses

M Sc Microbiology Semester I Courses			
Paper	Code	Course Title	Credits
1	PSMIC6001CR1	Molecular Genetics	4
2	PSMIC6002CR1	Microbial Biochemistry	4
3	PSMIC6003CR1	Advances in Immunology	4
4	PSMIC6001RM1	Research Methodology & Biostatistics	4
5	PSMIC6001EL1	Cell Biology: Structure, Transport and Junctions	4
	PSMIC6002EL1	Building the Entrepreneurial Mindset: Opportunities and Challenges	
6	PSMIC6001FP1	Field Project	2
		Total Credits	22





### 9.6.4 M Sc Semester II

Table 9.20: M Sc Microbiology Semester II Courses

M Sc Microbiology Semester II Courses			
Paper	Code	Course Title	Credits
1	PSMIC6004CR1	Advances in Molecular Genetics and Genomic applications	4
2	PSMIC6005CR1	Protein and Metabolic Biochemistry	4
3	PSMIC6006CR1	Virology	4
4	PSMIC6002EL1	Building the Entrepreneurial Mindset: Opportunities and Challenges	4
	PSMIC6003EL1	Biostatistics and Bioinformatics	
5	PSMIC6002FP1	Field Project	6
total Credits			22

### 9.6.5 M Sc Semester III

Table 9.21: M.Sc. (Microbiology) - Semester III

Code	Course Title	L/W	Credits
SMIC0901	Medical and Pharmaceutical Microbiology	4	4
SMIC0902	Tools and Techniques: Biomolecular Analysis	4	4
SMIC0903	Bioprocess Technology	4	4
SMIC09PR	External Project	12	12

*Note.* : External Project (300 marks) (for 4 months at various research institutes like BARC, TIFR, NCL, ACTREC, FMR, TMC, etc.)

### 9.6.6 M Sc Semester IV

Table 9.22: M.Sc. (Microbiology) - Semester IV

Code	Course Title	L/W	Credits
SMIC1001	Microbial Ecology and Environmental Microbiology	4	4
SMIC1002	Food Microbiology	4	4
SMIC1003	Cells in their social context	4	4
SMIC1004	Advances in Biotechnology	4	4
SMIC1001PR	Internal Project	4	2
SMIC1001PR	Internal Project	4	2

*Note.* : All Theory courses: 100 marks each. For Sem I and IV, practical courses: 50 marks each. For Sem III, External Project is for 300 marks. For Sem IV, the Internal Group Project is for 100 marks

### 9.6.7 Semesters I, II, and IV Credit distribution is shown in Table 9.23

Table 9.23: Semesters I, II and IV Credit Distribution

Subject	Theory (per Semester)	Practicals (per Semester)	Total
Course	4	1 (Sem I, II) and 4 (Sem IV)	—
L / W	16	16	32
Credits	16	08	24



Table 9.24: Semesters III Credit Distribution

Subject	Theory (per Semester)	Practicals (per Semester)	Total
Course	3	1	—
L / W	12	4 months in external Institute	—
Credits	12	12	24

**9.6.8** Semester III Credit distribution is shown in Table 9.24

### 9.6.9 Scheme of Evaluation

**9.6.9.1 Theory Courses:** 2 Continuous Internal Assessments and 1 End-semester evaluation per course per semester.

**9.6.9.2 Practical Courses:** 1 Continuous Internal Assessment and 1 End Semester Evaluation per course per semester.

**9.6.9.3** Evaluation of the semester III project is based on the dissertation submitted, External Project supervisor evaluation, a presentation, and viva voce examined by external and internal examiners.

**9.6.9.4** Similarly, the evaluation of the semester 4 project is based on the dissertation submitted, a presentation, and a viva voce examined by external and internal examiners.

### 9.6.10 Facilities of the Department

**9.6.10.1** It is well-equipped for teaching Modern Microbiology.

**9.6.10.2** It has a well-equipped research laboratory called 'Palacios Research Lab'.

**9.6.10.3** It has access to a Common Instrumentation Facility with sophisticated instruments to carry out teaching, as well as research, in the biological sciences. It also has an in-house Library.

**9.6.11** It conducts co-curricular activities like an Annual Khandala Seminar and industrial visits.

## 10. Postgraduate Arts (Aided) Courses

### 10.1 M.A. (Ancient Indian History, Culture & Archaeology)

**10.1.1 Introduction:** This programme offers essential training for professional roles throughout the sector. The learners will understand all aspects of archaeology, conservation and heritage practices in theory and practice. It offers practical experience with conservation, epigraphy, numismatics, classical performing arts, Indian art & architecture, and religion philosophy, which helps in developing knowledge and skills essential for today's careers in the above disciplines. It involves the study of the Pali Language, comparative mythology, cultural studies of civilisations and maritime studies with research methodology. Graduates work in a variety of professional fields: teaching and research, management of archaeological sites, heritage organisations in the public and private sector, art consultancy firms, tourism operators, museums, public archaeology, digital preservation of culture and other related institutions. This programme aims to develop, both qualitatively and quantitatively, the protection and use of the tangible and intangible culture in India through independent workshops in addition to the academic curriculum. It focuses on theory and practice-oriented research activities related to Indian culture, Archaeology and Philosophy.

This programme also aims at helping students to: Comprehend the theoretical framework in which to study Indian Culture, Indian Archaeology, and Museology.

**10.1.1.1** Analyse Archaeological data to construct the progression of the Cultural History of Ancient India.

**10.1.1.2** Have practical experience via field trips, practical and workshops.

**10.1.2 Number of Seats:** 60 Seats

**10.1.3 Reservation of Seats:** refer to Table 9.1.

**10.1.4 Fees:** Total fees, sanctioned by the Board of Management, St. Xavier's College (Autonomous), Mumbai refer to 4.3

**10.1.5 Selection Criteria:** An Entrance Exam is held for students other than Arts and for students from other universities.

#### 10.1.6 Eligibility Criteria

**10.1.6.1** Students with a bachelor's degree in any faculty or discipline, with a minimum of 50% marks can apply.

**10.1.6.2** Students from the non-Arts faculties will have to appear for an entrance exam and an interview.

**10.1.6.3** For Eligibility/Transfer/Migration Certificates refer to 9.1.5 and 9.1.9 Note: Read B.Sc. as B.A. and M.Sc. as M.A.)

#### 10.1.7 Scheme of Evaluation

**10.1.7.1** Two units of CIAs:

**10.1.7.1.1 C** IA 1 (25 marks) will be a Class Test.

**10.1.7.1.2 C** IA 2 (25 Marks) will be either a Home Assignment, Class Test, Project Report, Oral Exam (for Language Papers), Field Visit Report, Paper Presentation, etc.

**10.1.7.2** The ESE will be for 50 marks.

**10.1.7.3** Semester X a Research Thesis will have to be submitted under the guidance of a Research Guide for 80 marks.



## 10.2 Credit Structure

Table 10.1: All Aided, Economics, Public Policy, AIHCA PGP Credit Structure

All Aided, Economics, Public Policy, AIC PGP Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 1	12	4	4	2	0	22	PG Diploma after TY
	Sem 2	12	4	0	6	0	22	
	Cum Cr	24	8	4.	8	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	12	4	0	0	6	22	
	Cum Cr	24	8	0	0	12	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

### 10.2.1 M A Semester I

Table 10.2: MA AIHCA Semester I Courses

MA AIHCA Semester I Courses			
Paper	Code	Course Title	Credits
1	PAAIC6001CR1	Ancient India Through Ages: From Prehistoric to Early Historic Period.	4
2	PAAIC6002CR1	Studies in Indian Archaeology	4
3	PAAIC6003CR1	Introduction of Pali Language -1	4
4	PAAIC6004CR1	Study of Epigraphy and Numismatics of India	4
5	PAAIC6001RM1	Research Methodology in Ancient Indian History, Culture & Archaeology	2
6	PAAIC6001EL1	Maritime Studies in India	4
	PAAIC6002EL1	Socio-Political & Cultural Life in Ancient to Early Medieval India	
Total Credits			22

### 10.2.2 M A Semester II

Table 10.3: MA AIHCA Semester II Courses

MA AIHCA Semester II Courses			
Paper	Code	Course Title	Credits
1	PAAIC6005CR1	Ancient India Through Ages: From Classical to Early Medieval Period	4
2	PAAIC6006CR1	Facets of Indian Art and Architecture	4
3	PAAIC6007CR1	Introduction to Pali Language & Literature-2	4
4	PAAIC6008CR1	Research Methodology in Ancient Indian History, Culture & Archaeology-Practicum	4
5	PAAIC6001RM1	Research Methodology in Ancient Indian History, Culture & Archaeology	2
6	PAAIC6003EL1	Introduction to Tourism Management in India	4
	PAAIC6004EL1	Brief Study of the Comparative Mythology of the World	4
Total Credits			22



Table 10.4: MA - Semester III

Code	Course Title	(L + SS)	Credits
AAIC0901	Religious & Philosophical Thoughts in Ancient India	4 + 2	6
AAIC0902	Studies in Indian Iconography, Paintings & Temple Architecture	4 + 2	6
AAIC0903	Studies in Conservation and Restoration	4 + 2	6
AAICE0904	Introduction to Pali Language	4 + 2	6

**10.2.3 M A Semester III****10.2.4 M A Semester IV**

Table 10.5: MA - Semester IV

Code	Course Title	(L + SS)	Credits
AAIC1001	Museology & Preventive Conservation of Sites & Collections	4 + 2	6
AAIC1002	A Study of the Cultural History of World Civilization	4 + 2	6
AAICE1003	Research Methodology in Ancient Indian History, Culture & Archaeology	4 + 2	6
AAICE1004	Studies in Pali Literature and Language OR	4 + 2	6
AAICE1005	Remedial Conservation of Tangible Heritage	2	6

**10.2.4.1** Self-Study Hours of students are monitored by the concerned Lecturer via the quality of the student's participation in the classroom deliberations. Semesters I, II, III & IV Credit distribution is shown in Table 10.6

Table 10.6: FY BMS - Semester I

Subject's L/W	Total Credits
24	24



# 11. Postgraduate Science (Unaided) Courses

Table 11.1: IT, Biotechnology and Physics Credit Structure

IT, Biotechnology and Physics Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 3	14	4	4	0	0	22	PG Degree after TY
	Sem 4	14	4	0	4	0	22	
	Cum Cr	28	8	4	4	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	0	0	0	0	22	22	
	Cum Cr	12	4	0	0	28	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

## 11.1 M.Sc. (Big Data Analytics)

**11.1.1 Introduction:** Data today is treated as a source of energy, in any venture, as they point out to our yesterdays, our current status and future areas of improvement. An individual can be a ‘modern-day Oracle’ if he/she can interpret data, with the right kind of analysis. This Course, an initiative of Tata Consultancy Services (TCS), has helped in shaping the talent in data analysis for seamless mutual benefits in the spheres of academics and industry. The curriculum for Big Data Analytics has been developed by Padma Shri Dr. Bimal Roy, former Director of, the Indian Statistical Institute. The coursework comprises Statistical Methods, Probability & Stochastic Processes, Linear Algebra & Linear Programming, Computing for Data Sciences, Machine Learning and Database Management. St Xavier’s College (Autonomous), Mumbai, will be conducting the full-time (4-semester; 96 Credit) M.Sc. in Big Data Analytics in collaboration with TCS. The main objective of this program is to develop the skills of Big Data Analytics and data analytics so that students will be placed as data scientists or big data analysts in IT industry. Lectures will be held from Monday to Saturday.

**11.1.2 Number of seats:** The intake is a maximum of 40 students per year.

**11.1.3 Reservation of Seats:** refer to Table 9.1

**11.1.4 Selection Process:** Admission will be based on their marks in Semester V (40% weightage) at the T.Y. B. Sc exam and their performance in the Entrance examination (60% weightage). College reserves the right to make any changes in the admission policy before the process starts.

### 11.1.5 Eligibility Criteria

**11.1.5.1** A student who has completed is appearing for semester VI in B. Sc. (Mathematics), B. Sc. (Statistics), B.C.A, B. Sc.(Information Technology), B. Sc. (Computer Science), B.S c. (Physics) in the academic year 2020-2021, from any recognized university in India. A student who has completed or is appearing for semester VIII in B.E.(Electronics/Computer Science) in the academic year 2020-2021 from any recognised university in India. It is mandatory that all students should have done Calculus and Linear Algebra course during their graduation. B. Sc. (Physics) - students who have done Physics as a major subject and Mathematics or Statistics as a second subject (up to second year ) during their graduation.



**11.1.5.2** Admission will be based on 50% weightage to the score obtained in the entrance test and 50% weightage to the marks obtained in Semester V.

**11.1.5.3** For Eligibility/Transfer/Migration Certificates: refer to 9.1.5 to 9.1.9.

**11.1.6 Fee Structure:** As sanctioned by the Board of Management, St. Xavier's College, Mumbai. refer to Table 4.3

### 11.1.7 M Sc Semester I

Table 11.2: M Sc BDA Semester I Courses

MA BDA Semester I Courses			
Paper	Code	Course Title	Credits
1	PSBDA6001CR1	Linear Algebra and Linear Programming	4
2	PSBDA6002CR1	Probability and Stochastic Processes	4
3	PSBDA6003CR1	Database Management Relational	4
4	PSBDA6004CR1	Introduction to programming	2
5	PSBDA6001RM1	Research Methodology and Statistical Methods	4
6	PSBDA6001EL1	Computing for Data Science	4
	PSBDA6002EL1	Data Structures and Algorithms	
Total Credits			22

### 11.1.8 M Sc Semester II

Table 11.3: M Sc BDA Semester II Courses

MA BDA Semester II Courses			
Paper	Code	Course Title	Credits
1	PSBDA6005CR1	Foundation of Data Science	4
2	PSBDA6006CR1	Advanced Statistical Methods	4
3	PSBDA6007CR1	Machine Learning-I	4
4	PSBDA6008CR1	Enabling Technologies-I	4
5	PSBDA6003EL1	Operation Research	4
	PSBDA6004EL1	Linux and Cloud Computing Fundamentals	
6	PSPSY6001OJ1	Value Thinking	2
Total Credits			22





### 11.1.9 M Sc Semester III

Table 11.4: Semester III

Code	Course Title	L/W	Credits
SITS0901	Enabling Technologies for Data Science 2	4	4
SITS0901	Machine Learning 2 including Deep Learning	4	4
SITS0902	Data Visualization with Tableau & Modelling in Operations Management	3	3
SITS0903	IPR/Cyber SecuritybText Mining Advanced Analytics	4	4
SITS0904	Time series Analysis & Forecasting/Bioinformatics/Big Data Technologies and Architecture	4	4
SITS0905	Machine Learning 2 including Deep Learning & Elective 1	3	4
SITS090PR1	Enabling Technologies for Data Science 2 & Elective 2	3	4
SITS09PR2	Data Visualization with Tableau & Modelling in Operations Management	3	4
Total		28	465

### 11.1.10 M Sc Semester IV

Table 11.5: Semester IV

Course Code	Course Name	L/W	Credits
SITS10PJ	Internship based Project		Credits

### 11.1.11 Scheme of Evaluation

First three semesters has: 2 CIAs (25 marks each) and an End Semester Examination (50 marks)

## 11.2 M.Sc. (Biotechnology)

**11.2.1 Introduction:** Genetic engineering has revolutionised biotechnology in the past three decades. India has witnessed a rapid growth in the biotechnology sector with a prominent presence in Recombinant Vaccines, Biosimilars and Transgenic Cotton. With numerous comparative advantages in terms of research development (R & D) facilities, knowledge, skills and cost effectiveness, the biotechnology industry in India has immense potential to emerge as a global key player. To cater to this increasing need for trained professionals, The College began the M Sc - Biotechnology programme affiliated to the University of Mumbai from the academic year 2007-08 and has been Autonomous since 2012.

**11.2.2** Number of Seats: 30 students per year.

**11.2.3** Reservation of Seats : refer to Table 9.1

### 11.2.4 Eligibility Criteria

**11.2.4.1** Bachelor's degree under 10+2+3 pattern of education in Biological Sciences (Biochemistry/ Applied Biology / Biotechnology/ Botany/Life Science/ Microbiology/ Zoology) with at least four core papers in either of the following topics Genetics and Molecular Biology, Immunology, Microbiology/ Algae/Fungi, Biochemistry, Cytogenetics, Plant and Animal Biotechnology with Chemistry up to SY BSc level.

### 11.2.5 Admission to MSc programme in Biotechnology

The admissions for M.Sc. Biotechnology (2 years) programme in the Post Graduate Department of Biotechnology, St. Xavier's College (Autonomous), Mumbai will be through the Xaviers Entrance Test 2022, henceforth referred as XET 2022.

**11.2.6** The entrance examination is applicable ONLY to those students applying for the master's degree in the Post-Graduate Department of Biotechnology, St. Xavier's College (Autonomous), Mumbai.



**11.2.7 Selection Criteria:** The admission for MSc Biotechnology programme in St. Xavier's College (Autonomous), Mumbai will be based on the merit list derived using the following weightage:

Score obtained in XET 2022 -70% weightage. Qualifying BSc examination percentage (SEMESTER V and VI/ SEMESTER V- for those who have not received SEM 6 marks) - 30% weightage. Please note that admission given to the candidate based on SEMESTER V marks alone is PROVISIONAL and contingent on the candidate passing Sem VI and handing the requisite proof once the University/ College declares the result.

**11.2.8 For Eligibility/Transfer/Migration Certificates:** refer to 9.1.8 to 9.1.8.

**11.2.9 Fees:** The total fees, including deposit and laboratory fees, as sanctioned by the Board of Management, St. Xavier's College (Autonomous), Mumbai 4.3

### 11.2.10 Syllabi per Semester

Semester I to III comprises of 4 theory courses (100 marks each) and practical courses (50 marks each). Semester III also includes an internal project. Semester IV comprises of 2 theory papers (100 marks each), 2 practical courses (50 marks) and research project (300 marks)

### 11.2.11 M Sc Semester I

Table 11.6: M Sc Biotechnology Semester I Courses

M Sc Biotechnology Semester I Courses			
Paper	Code	Course Title	Credits
1	PSBTY6001CR1	Biomolecular Studies	4
2	PSBTY6002CR1	Fundamentals of Molecular Biology	4
3	PSBTY6003CR1	Molecular Immunology	2
4	PSBTY6004CR1	Essential Techniques in Biotechnology- Lab Course	4
5	PSBOT6001RM1	Introduction to Research Methods	4
6	PSBTY6001EL1	Microbial and Nano Biotechnology	4
	PSBTY6002EL1	Plant Biotechnology	
Total Credits			22

### 11.2.12 M Sc Semester II

Table 11.7: M Sc Biotechnology Semester II Courses

M Sc Biotechnology Semester II Courses			
Paper	Code	Course Title	Credits
1	PSBTY6005CR1	Bioinformatics and Computational Biology	4
2	PSBTY6006CR1	Genetic Engineering and Functional Genomics	4
3	PSBTY6007CR1	Animal Cell Technology	4
4	PSBTY6008CR1	Advanced Techniques in Biotechnology Lab Course	2
5	PSBTY6003EL1	Molecular Oncology	4
	PSBTY6004EL1	Regulations in Biotechnology and IPR	
	PSBTY6001OJ1	On Job Training	4
Total Credits			22



### 11.2.13 M Sc Semester III

Table 11.8: FY BMS - Semester III

Code	Course Title	L/W	Credits
SBTS0901	Biostatistics and Bioinformatics	4	4
SBTS0902	Drug Development	4	4
SBTS0903	Bioprocess Technology	4	4
SBTS0904	Environmental Biotechnology	4	4
SBTS09PR	Bioinformatics and Research Methodology	16	8

### 11.2.14 M Sc Semester IV

Table 11.9: Semester IV

Code	Course Title	L/W	Credits
SBTS1001	Entrepreneurship and IPR	4	4
SBTS1001PR	Entrepreneurship	8	4
SBTS1002PR	Research Project	4 - 5 months	16

**Note:** In Semester IV, the students must do a research project for a period of 5 months at various research centres/National Institutes like BARC, NIRRH, TIFR, NCL Pune, ACTREC, NIO Goa and others.

### 11.2.15 Credit Distribution- Semester I, II and III

Semester I, II & III Credit distribution is shown in Table to 11.10

Table 11.10: Credit Distribution - Semester IV

Subject	Theory	Practicals	Total
Course	01, 02, 03, 04	01	
L / W	16	16	32
Credits	16	08	24

11.2.16 Table to 11.11 shows Semester IV

Table 11.11: Credit Distribution

Subject	Theory	Practicals	Research Project	Total
Course	01	01	-	
L / W	04	08	4 to 5 months	
Credits	04	04	16	24

### 11.2.17 Scheme of Evaluation

**11.2.17.1 Theory Courses:** 2 CIAs and 1 ESE per course per semester.

**11.2.17.2 Practical Courses:** 1 CIA and 1 ESE per course per semester.

**11.2.17.3** Evaluation of the semester IV project is based on the dissertation submitted, a presentation and viva-voce.

### 11.2.18 Facilities of the Department

**11.2.18.1** It is well equipped for teaching Modern Biology. It has an independent Bioinformatics Lab for the students and an in-house Library facility.



**11.2.18.2** It has access to the Common Instrumentation Facility with sophisticated instruments to carry out teaching, as well as research, in the biological sciences.

**11.2.18.3** It has a Department library.

### **11.2.19 Extracurricular Activities**

**11.2.19.1 Palindrome:** Students organise an intercollegiate fest, 'Palindrome' to explore the various facets of Biotechnology through workshops and events. They also publish the Department Magazine, 'Palindrome', which is a theme-based collation of articles, reviews, and research abstracts.

**11.2.19.2** An Industrial Visit is organised to various biotechnology-related industries locally or Interstate for Semester I students.

## **11.3 M.Sc. (Physics)**

**11.3.1 Introduction:** Astronomy and Astrophysics has always attracted physics students. There have been tremendous discoveries in recent years which have changed our understanding of the universe. This has been possible due to ingenious use of information technology and use of satellites for astronomical observations among other developments. With numerous advantages in terms of geographical position on the earth, many research institutes, knowledge, skills and cost effectiveness, Astronomy and Astrophysics in India has immense potential to emerge as a global key player. In Mumbai there are many amateur astronomy clubs, but no educational institute offers a master's course at present. To cater to this increasing need for trained professionals, St. Xavier's College (Autonomous), Mumbai, has started the MSc in Physics (with specialisation Astrophysics) programme affiliated to the University of Mumbai from the academic year 2019-20.

**11.3.2 Number of Seats:** 20 students per year.

**11.3.3 Reservation of Seats:** refer to 9.1

**11.3.4 Selection Process:** Admission will be on the basis of the C.G.P.A or aggregate marks received at the T.Y.B.Sc. examination and an interview (which may be conducted online). Short Listed candidates will be called for an interview and final selection will be based on all the criteria. College reserves the right to make any changes in the admission policy before the process starts.

### **11.3.5 Eligibility Criteria**

**11.3.5.1** Bachelor's degree in science with Physics as one of the major subjects at the final year or equivalent from any recognised university.

**11.3.5.2 For Eligibility/Transfer/Migration Certificates:** refer to 9.1.6 to 9.1.8

**11.3.6 Fees:** As sanctioned by the Board of Management, St. Xavier's College: 4.3

### **11.3.7 Syllabi per Semester**

**11.3.7.1** There will be eight general physics and four astrophysics theory courses (100 marks each) and laboratory courses corresponding to each of them (50 marks each) in the first three semesters. Students will work on a MSc Thesis or dissertation in the last semester which will be from any Physics or Astrophysics area. For this project work, students can go to several research institutes in the country or can work under the guidance of the in-house faculty. Semester wise Credit distribution is shown below:



### 11.3.8 M Sc Semester I

Table 11.12: M Sc Physics Semester I Courses

M Sc Physics Semester I Courses			
Paper	Code	Course Title	Credits
1	PSPHY6001CR1	Mathematical Physics	4
2	PSPHY6002CR1	Classical Mechanics	4
3	PSPHY6003CR1	Quantum Mechanics	4
4	PSPHY6004CR1	Nuclear Physics	2
5	PSPHY6001RM1	Research Methodology	4
6	PSPHY6001EL1	Experimental and Numerical Physics	4
Total Credits			22

### 11.3.9 M Sc Semester II

Table 11.13: M Sc Physics Semester II Courses

M Sc Physics Semester II Courses			
Paper	Code	Course Title	Credits
1	PSPHY6005CR1	Statistical Mechanics	4
2	PSPHY6006CR1	Electrodynamics	4
3	PSPHY6007CR1	Atomic and Molecular Physics	4
4	PSPHY6008CR1	Solid State Physics	4
5	PSPHY6002EL1	Observational Astronomy and the Solar System	4
6	PSPHY6001OJ1	Internship	2
Total Credits			22

### 11.3.10 M Sc Semester III

Table 11.14: Semester III

Code	Course Title	L/W	Credits
SPHY0901	Physics of Radiation and Matter	4	4
SPHY0902	Stellar structure and Evolution	4	4
SPHY0903	Galactic and Extragalactic Astrophysics	4	4
SPHY0904	General Relativity and Cosmology	4	4
SPHY09PR	Practical	16	8

### 11.3.11 M Sc Semester IV

Table 11.15: Semester IV

Course Code	Course Title	L/W	Credits
SPHY10PROJ	Dissertation		24



### 11.3.12 Scheme of Evaluation

**11.3.12.1** For theory courses (per course per semester): CIA (50 Marks) - written test + assignment + review of research article and End Semester Examination (50 Marks) written test.

**11.3.12.2** Practical Courses (per course per semester): Experiment based exam, project evaluation (includes exhibit, presentation in seminar PROBE), field trip (includes night sky observation).

**11.3.12.3** Evaluation of the Semester IV Dissertation

Table 11.16: Evaluation Matrix

Evaluation Matrix			
Time of Evaluation	Components of Assessment	Average Marks out of 100 evaluated by	Weightage in Total Marks
Throughout Semester X	The Thesis Proposal	Supervisor	15%
	Mid semester Report and Presentation	Referees + Supervisor (Average)	20%
	Continuous evaluation for semester IV and thesis	Supervisor	15%
End of Semester X	M Sc Thesis	Referees (Average)	20%
	Defence and viva voce	Discipline wise Committee	30%

### 11.3.13 Teaching Pedagogy of the Department

**11.3.13.1** Emphasis on problem solving in theory - universal practice for physics, useful for entrance exams.

**11.3.13.2** Zero rote learning - for the written exams

**11.3.13.3** Practical course - experiments directly related to the theory course

**11.3.13.4** Project based learning - The course-wise projects train students to understand, plan, and carry out an experiment on their own. Also enhances their interest and understanding of the theory course.

**11.3.13.5** This training is very useful for starting independent research – The final semester project is expected to be their M Sc thesis containing good quality as well as quantity of work. A strong experimental, computational, or theoretical physics content is a must for this work.

**11.3.13.6** Students should decide on their supervisor and their thesis topic (in consultation with the supervisor) before the semester starts. A student can choose to work with a faculty of the department or a professor from a research institute/university other than Xavier's for his/her dissertation. Every student will follow the General Guidelines provided for the same.

**11.3.13.7** Students will be encouraged to take up internships in the summer between 1st and 2nd year.

### 11.3.14 Resources of the Department

**11.3.14.1 Large Labs:** There are 5 labs to cater to various research needs.

**11.3.14.2 Computer Lab:** There is a dedicated computer lab integrated with the Physics lab to take care of the computing needs of our students.

**11.3.14.3 Department Library:** We have a small department library for the referencing needs of our students.

**11.3.14.4 Sophisticated Equipment:** We have high-end equipment such as Hall effect apparatus, Photoelectric effect apparatus, Zeeman effect apparatus and a six-inch Telescope with auto tracking for night sky observations.

**11.3.14.5 Dedicated Lab Staff:** We have a well-trained and dedicated lab staff to help our students.

### 11.3.15 Co-curricular Activities of the Department

**11.3.15.1** Department organises an exhibition of physics' experiments called 'Jigyasa', to show case 'possibilities in Physics' in August.

**11.3.15.2** A research seminar 'PROBE' is organised in February every year, where students present their projects as research papers through oral/poster presentations. Students will be taken for a field trip to visit some Astronomy/Astrophysics research institute.

## 12. Postgraduate Arts (Unaided) Courses

### 12.1 Credit Structure of Post Graduate Courses

Table 12.1: All Aided, Economics, Public Policy, AIC PGP Credit Structure

All Aided, Economics, Public Policy, AIC PGP Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 1	12	4	4	2	0	22	PG Diploma after TY
	Sem 2	12	4	0	6	0	22	
	Cum Cr	24	8	4.	8	0	44	
6.6 (2024-25)	Sem 3	12	4	0	0	6	22	PG Degree after TY or After FYUG
	Sem 4	12	4	0	0	6	22	
	Cum Cr	24	8	0	0	12	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

### 12.2 M.A. in Public Policy

#### 12.2.1 Introduction

As public policy is an integral aspect of governance and routine living; it is necessary for the academic world to critically engage with it. Currently, in India, there is a dearth of post-graduate degree courses in public policy. It is for these reasons that the College launched a multi-disciplinary Master's in Public Policy (MPP) Course in 2013. The course is ideal for Civil Servants, NGO/Development practitioners or those who aspire to join government services; those who aspire to research and publish in the field of Public Policy, especially those who wish to join policy research centres/organisations and those who wish to work in the field of Corporate Social Responsibility; Communications/Media related work around policy issues; consulting for Public Sector.

**12.2.2 Number of Seats:** 60 Students.

**12.2.3 Lecture Timings:** Evenings (5 pm to 8 pm); 2 lectures per day, on all working days of the week.

**12.2.4 Annual Fees:** refer to 4.3

**12.2.5 Reservation of Seats:** Table 9.1.

#### 12.2.6 Selection Process

**12.2.6.1** Online Application Forms available on the college website from the second half of April. The last date for submission is the third Sunday of May (5 pm IST). The online Application Fee is ₹. 500.

**12.2.6.2** Along with the Application Form, the academic exercises announced (as part of the Entrance Exams) for that academic year would have to be uploaded for evaluation.

**12.2.6.3** The shortlisted candidates are interviewed (personally or through Video conferencing).

**12.2.6.4** Post the interviews, the admissions are finalised.



### 12.2.7 Eligibility Criteria

**12.2.7.1** Students with a bachelor's degree in any faculty or discipline, with a minimum of 50% marks can apply for this course.

**12.2.7.2** Candidates who have appeared for their VI semester but have not yet received their Degree results are eligible to apply for admission. Provisional admission would be offered to such admitted students, till the original results are not presented to the College.

**12.2.7.3** The Grades awarded by some Universities are converted to percentages according to a formula provided by their respective Universities or by the Association of Indian Universities, New Delhi for foreign students.

**12.2.7.4** For Eligibility/Transfer/Migration Certificates: refer to 9.1.6 to 9.1.8. (Note: Read B.Sc. as B.A. and M.Sc. as M.A.).

### 12.2.8 M A Semester I

Table 12.2: MA Public Policy Semester I Courses

MA Public Policy Semester I Courses			
Paper	Code	Course Title	Credits
1	PAPPY6001CR1	Public Policy Analysis	4
2	PAPPY6002CR1	Politics of Redistribution	4
3	PAPPY6003CR1	Law and Public Policy	4
4	PAPPY6001RM1	Introduction to Research Methodology	4
5	PAPPY6001EL1	Urban Planning Policy	4
	PAPPY6002EL1	Rural Policy	
6	PAPPY6001OJ1	Internship	2
Total Credits			22

### 12.2.9 M A Semester II

Table 12.3: MA Public Policy Semester II Courses

MA Public Policy Semester II Courses			
Paper	Code	Course Title	Credits
1	PAPPY6004CR1	Economy, Society and Public Policy2	4
3	PAPPY6005CR1	Quantitative Methods and Data Analytics	4
3	PAPPY6006CR1	Gender and Public Policy	4
5	PAPPY6003EL1	Environment and Public Policy	4
	PAPPY6004EL1	Health Policy	
6	PAPPY6002FP1	Internship	6
Total Credits			22





### 12.2.10 M A Semester III

Table 12.4: Semester III

Code	Course Title	(L + SS)	Credits
APPY0901	Economic Institution & Public Policy	4 + 2	6
APPY0902	Project Planning, Management and Evaluation	4 + 2	6
APPE0901	Urban Planning Policy	4 + 2	6
APPE0902	Rural Policy	4 + 2	6
APPE0903	Foreign Policy	4 + 2	6

Note: Students choose ANY TWO from PPEC901 to PPEC903.

### 12.2.11 M A Semester IV

Table 12.5: Semester IV

Code	Course Title	(L + SS)	Credits
APPY1001	Development and Public Policy	4 + 2	6
APPY1002	Dissertation Writing	0 + 14	14
APPE1001	Globalization and Labour Policy	4 + 2	6
APPE1002	Media & Public Policy	4 + 2	6
APPE1003	Education Policy	4 + 2	6

Note: Students choose ANY TWO from PPEC1001 to PPEC1003.

**12.2.11.1** The Self-Study Hours of each student are monitored by the concerned Lecturer via the quality of the student's participation in the classroom deliberations.

**12.2.11.2** In the case of Dissertation (PPCC.10.02) the student is expected to meet the supervising lecturer at least once a week throughout Semester IV. Each of these meetings is recorded and weighted for final marking.

**12.2.11.3** Table to 12.6 shows the Credit distribution per semester.

Table 12.6: Credit Distribution

Credit Distribution				
Semester	Courses	SS/Course	Total L/W	Total Credits
Sem I	04	01	20	20
Sem II	04	01	20	20
Sem III	04	02	24	24
Sem IV	04	02	18	18
Sem. IV Dissertation	–	14	14	14
Total Credits				96

**12.2.12 Scheme of Evaluation:** Each semester has 2 CIAs (25 marks each) and 1 ESE (50 Marks)

**12.2.12.1** Compulsory Internship between the II and III Semesters. Students work with organizations connected with various aspects of public policy.

**12.2.12.2** Our students have interned with the Thane Municipal Corporation, Centre for Social Research (Delhi), various State and Central Government Ministries, and NGOs involved in various types of social work and action.



## 12.3 M.A. (Economics)

### 12.3.1 Introduction

Understanding the fundamentals of economic theories and their actual implementation in Public-Private sectors for Rural-Urban setup along with Government Policies is the most crucial part of the study of Economics. The Department of Economics introduces 2 2-year M.A. Economics Program (With Specialisation in Urban and Rural Development Strategic Planning) to help students to understand the Theoretical, mathematical and Practical aspects of Policy designing and its impact on important economic parameters.

The Department of Economics has the New Research Centre for Agriculture and Rural Studies (Sponsored by RUSA since 2019). The Department of Economics, St. Xavier's College, Mumbai has a full-fledged library as well as CMIE Database.

Department of Economics has worked with various national and international universities and colleges for Faculty-students Exchange Programs such as Farmer School of Business, University of Miami, USA, St. Xavier's College, Jaipur, St. Xavier's College, Kathmandu, Nepal. Students of the Department of Economics have done internships with the Centre for WTO Studies, New Delhi, RBI, World Bank, Chief Minister Office, Government of Maharashtra and MNCs. The Campus placement is remarkably high for students of Economics in Banking, MNCs and the Government Sector.

### 12.3.2 Selection Process

- Online Registration ([www.xaviers.edu](http://www.xaviers.edu)) in May every year.
- Entrance test for all those who register.

**12.3.3 Eligibility Criteria:** A merit score is calculated as follows:

Entrance test score (60% weightage) + Marks of Semester VI (or V provisional). (40% Weightage).

**12.3.4 Fees:** Refer to 4.3

**12.3.5 Seats:** 60

**Note:** The 2-year course consists of a total 96 credits. Every semester has 24 credits. Total 15 weeks per semester. One Lecture hour per week carries 1 credit and one hour of Computer Lab work or Fieldwork or Research work per week.

### 12.3.6 M A Semester I

Table 12.7: MA Economics Semester I Courses

MA Economics Semester I Courses			
Paper	Code	Course Title	Credits
1	PAECO6001CR1	Microeconomics	4
2	PAECO6002CR1	Macroeconomics	4
3	PAECO6003CR1	Mathematical Economics	4
4	PAECO6001RM1	Research Methodology	4
5	PAECO6001EL1	Financial Economics	4
	PAECO6002EL1	Contemporary Approaches to Economic Thoughts	
6	PAECO6001OJ1	On Job Training	2
		Total Credits	22



### 12.3.7 M A Semester II

Table 12.8: MA Economics Semester II Courses

MA Economics Semester II Courses			
Paper	Code	Course Title	Credits
1	PAECO6001CR1	Public Economics	4
2	PAECO6002CR1	Development Economics	4
3	PAECO6003CR1	Econometrics	4
4	PAECO6002OJ1	On Job Training	6
5	PAECO6003EL1	Understanding Geopolitics in the Contemporary World	4
	PAECO6004EL1	Understanding Dynamics of Labor Economics	
Total Credits			22

### 12.3.8 M A Semester III

Table 12.9: Semester III

	Course Code	Title of the Paper	Hours/Week			Credits
			Lectures	Computer Application	Field Work (P Data)	
A	AECO0901	Economics of Urbanization	3	2	2	5
	AECO0902	Economics of Rural Development	3	2	2	5
	AECO0903	International Trade Theory and Policy	3	2	2	5
	AECO0904	Economics of Financing the Development	3	2	2	5
	AECO0905	Health Economics	3	2	2	5
	AECO0906	Behavioral Economics	3	2	2	5
<b>Sub Total (A)</b>						20*
B	Internship Credits					2
	Dissertation /Project Credits					2
<b>Sub Total (B)</b>						4
A+B	<b>Total</b>					24



### 12.3.9 M A Semester IV

Table 12.10: Semester IV

	Course Code	Title of the Paper	Hours per Week			Credits
			Lectures	Field Work	Computer Application/Research Work	
A	AECO1001	Strategic Implementation in Urban Development	3	2	2	5
	AECO1003	Economics of Infrastructure	3	2	2	5
	AECO1004	Energy Economics	3	2	2	5
	AECO1005	Environmental Economics	3	2	2	5
	AECO1006	Economics Of Housing	3	2	2	5
	<b>Sub Total (A)</b>		12	4	4	20**
		Internship Credits				2
		Dissertation Project Credit				2
	<b>Sub Total (B)</b>					4
	<b>(A+B)</b>	<b>Total</b>				24

### 12.3.10 Credit Distribution:

Table 12.11: Credit Distribution

Credit Distribution					
Semester(4 Courses/Sem)	Lectures	Computer Application/Research Software	Field Work (Primary) + Secondary Research	Internship /Dissertation	Total Credits
I	16	4	2+2		24
II	16	4	2+2		24
III	12	4	4	2+2	24
IV	12	4	4	2+2	24
Total Credits					96

### 12.3.11 Scheme of Evaluation

CIA I: Written Test (20 Marks)

CIA II: Research Assignment and Presentation (20 Marks)

ESE: Written Test (60 Marks)

### 12.3.12 Lecture Timings: 5.00 pm to 9.00 pm (5 Days a week)

Field Trips and Primary Data Collection Research work will be on the 6<sup>th</sup> day of the week. Given the current situation, we are still in the process of redesigning the format of lectures. It is likely that there will be a combination of online lectures and classroom lectures. Be assured that the quality of the education provided by the course is our utmost priority and the decisions made will not take away from our main objective of developing competent economist.



## 12.4 M.A. (Psychology)

**12.4.1 Introduction:** In India, the dearth of mental health professionals is a known concern that ironically goes hand-in-hand with the increasing number of citizens with mental health issues. One factor that contributes to this state of affairs is the lack of opportunities to gain a high-quality education in the field of mental health. So as to contribute to bridging this gap, the Department of Psychology, St. Xavier's College (Autonomous) has started a new master's degree course - M.A. Psychology: Lifespan Counseling in June 2019. This course has been designed with the primary objective of creating competent mental health practitioners.

**12.4.2 Number of seats:** The intake is a maximum of 30 students per year.

**12.4.3 Reservation of seats:** Refer to 4.1.10 and 9.1.

**12.4.4 Selection Process:** Admission to the course is merit-based. Eligible students must fill in the online application form and then appear for the entrance examination held on campus. A merit score is then assigned to every student that is weighted as follows: Their marks in the third year of their Bachelor's degree course (40%) + Their marks on the entrance examination (60%).

**12.4.5 Eligibility Criteria:** Students with a Bachelor's degree in any faculty or discipline having studied at least one paper in Psychology during Three years of their undergraduate course can fill out the online application.

**12.4.6 Fees:** As sanctioned by the Board of Management of St. Xavier's College (Autonomous), Mumbai, refer to 4.3

## 12.5 Psychology Credit Structure

Table 12.12: Psychology Credit Structure

Psychology Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0 (2023-24)	Sem 3	14	4	4	0	0	22	PG Degree after TY or
	Sem 4	12	4	0	6	0	22	
	Cum Cr	26	8	4	6	0	44	
6.6 (2024-25)	Sem 3	10	4	0	4	4	22	PG Degree after TY or After FYUG
	Sem 4	10	4	0	2	6	22	
	Cum Cr	20	8	0	6	10	44	
88 credits (2 years) after TY or 44 credits (1 year) after FYUGP								

### 12.5.1 M A Semester I

Table 12.13: MA Psychology Semester I Courses

MA Psychology Semester I Courses			
Paper	Code	Course Title	Credits
1	PAPSY6001CR1	Counselling Process and Skills	4
2	PAPSY6002CR1	Theoretical Approaches to Psychotherapy	4
3	PAPSY6003CR1	Advanced Psychometrics and Test Construction	4
4	PAPSY6004CR1	Cultural Context of Counselling	2
5	PAPSY6001RM1	Research Methods and Statistics in Psychology	4
6	PAPSY6001EL1	Understanding the Neuroscience of Human Behaviour	4
		Total Credits	22



## 12.5.2 M A Semester II

Table 12.14: MA Psychology Semester II Courses

MA Psychology Semester II Courses			
Paper	Code	Course Title	Credits
1	PAPSY6005CR1	Normal & Abnormal Development in Childhood & Adolescence	4
2	PAPSY6006CR1	Psychotherapy Techniques-1	4
3	PAPSY6007CR1	Psychological Assessment in Childhood & Adolescence	4
4	PAPSY6002EL1	Counselling Special Groups in Childhood & Adolescence	4
6	PSPSY6001FP1	Fieldwork in Childhood and Adolescence	4
		Total Credits	22

## 12.5.3 M A Semester III

Table 12.15: Semester III

Code	Course Title	(L + SS)	Credits
APSY0901	Normal and Abnormal Development in Young and Middle Adulthood	4	4
APSY0902	Psychological Assessment in Young and Middle Adulthood	4	4
APSY0903	Counselling special groups in Young and Middle Adulthood	4	4
APSY0904	Psychotherapeutic Techniques II	4	4
APSY0905	Practicum: Fieldwork Case presentations		8
	Dissertation: Analysis Presentation		1

## 12.5.4 M A Semester IV

Table 12.16: Semester IV

Code	Course Title	(L + SS)	Credits
APSY1001	Normal and Abnormal Development in Late Adulthood	4	4
APSY1002	Psychological Assessment in Late Adulthood	4	4
APSY1003	Counselling special groups in Late Adulthood	4	4
APSY1004	Psychotherapeutic Techniques III	4	4
APSY1005	Practicum: Fieldwork + Case presentations		8
APSY1006	Dissertation: Report Submission		1

**12.5.5 Credit Distribution** The course consists of 96 credits. Each credit equals 15 hours. The credit distribution across the course is as follows:

**12.5.5.1 Semester-wise:** 21 credits (Semester I) + 25 credits (Semester II) + 25 credits (Semester III) + 25 credits (Semester IV)

**12.5.5.2 Theory to Fieldwork ratio:** 64 credits (Theory) + 28 credits (Fieldwork) + 4 credits (Research)

### 12.5.6 Scheme of Evaluation

**12.5.6.1** For each theory paper, the evaluation weightage is divided as follows: 50% to CIA and 60% to End Semester Examinations (ESE).

**12.5.6.2** For fieldwork, evaluation is divided as 50% performance on field, 30% to case presentations (CIA), and 30% to case file (ESE).

**12.5.6.3** For the research dissertation, evaluation is divided as one presentation to the expert panel per semester + report submission.

## 13. Ph D Programmes

### 13.1 Ph.D. Programme Details

**13.1.1 Ph D Programmes** The College has Ph.D. programmes in the following subjects:

**13.1.1.1 Science:** Botany; Chemistry; Geology; Life Science & Biochemistry, Microbiology and Zoology.

**13.1.1.2 Arts:** Ancient Indian History, Culture & Archaeology

**13.1.1.3 Commerce:** Management and Accounts.

**13.1.2 Qualifications:** M.Sc./M.A. with C.S.I.R./U.G.C. J.R.F./N.E.T., OR Maharashtra S.E.T.; OR University of Mumbai – P.E.T.

**13.1.3 Criteria for Registration:** As per procedures laid down by the University of Mumbai.

**13.1.4 Admission Procedures:** All admissions to the above courses begin only after the qualifying examination (refer to Section 13.1.2) results are declared.

**13.1.5 Fees:** As directed by the University of Mumbai. Separate Laboratory Fees need to be paid to St.Xavier's College (Autonomous), Mumbai.

**13.1.6 Eligibility Certificate:** refer to 9.1 to 9.5.2.1.3.

### 13.2 Research Spaces/Facilities

Table 13.1: Research Spaces/Facilities

Research Spaces/Facilities				
Sr.	Subjects	Specialisation	Seats	Sanction No. & Date
1	AIHCA	AIHCA	10	No 7963 dt 7/9/1999 No Th/5910 dt 12/7/1999, Read with No Th/6381 dt 21/9/1988 Permanent Recognition
2	History	History	30	
3	Botany	Botany	20	No Th/ICD/2012-13/2603 dt 30/7/13 Permanent Recognition
4	Chemistry	Chemistry	20	No Th/2057 dt 18/3/1997 Permanent Recognition
5	Geology	Geology	10	Permanent Recognition
6	Life Science & Biochemistry	Life Science	05	Th/ICO/2019-20/2080 dt. 01/08/2019
7	Microbiology	Microbiology	03	Th/ICD/2012-13/005 dt 24/05/2012
8	Zoology	Zoology	04	Th/10635 of 2004 dt. 14/07/2004



## 13.3 Departments' Information

Details of depts. which are eligible for guiding Ph.Ds. in St. Xavier's College (Autonomous), Mumbai, as of May 2019:

### 13.3.1 Department of Botany

**13.3.1.1 Recognition as Research Lab:** Permanent (under University of Mumbai) - (Blatter Herbarium)

**13.3.1.2 Number of Seats:** 20 (13 Registered and 07 Vacant)

**13.3.1.3 Recognised Research Guides (by the University of Mumbai):**

Subjects	Name of Research Guides
Botany	1. Dr. Rajendra D. Shinde 2. Prof. Dr. (Ms.) Ujwala Bapat (Hon.) 3. Dr. Satnam Singh Sohel (Hon.) 4. Dr. Vijaya Lobo

### 13.3.2 Department of Chemistry

**13.3.2.1 Recognition as Research Lab:** Permanent (under University of Mumbai) - Nadkarny-Sacasa Laboratory)

**13.3.2.2 Number of Seats:** 20. (02 Registered and 18 Vacant)

**13.3.2.3 Recognized Research Guide (by the University of Mumbai):**

Subjects	Name of Research Guides
Chemistry	1. Dr. Freddy Havaladar (Hon.) 2. Dr. Pralhad Rege 3. Dr. (Ms.) Ashma Aggarwal

### 13.3.3 Department of Geology

**13.3.3.1 Recognition as Research Lab:** Permanent (under the University of Mumbai).

**13.3.3.2 Number of Seats:** 10. (00 Registered and 10 Vacant).

**13.3.3.3 Recognized Research Guides (by the University of Mumbai):**

Subjects	Name of Research Guides
Geology	1. Dr. Hrishikesh P. Samant 2. Dr. Pravin Henriques 3. Dr. Bobby Mathew 4. Dr. Ashwin Pundalik

### 13.3.4 Department of Life Science and Biochemistry

**13.3.4.1 Recognition as Research Lab:** Permanent (under University of Mumbai)

**13.3.4.2 Number of Seats:** 05. (01 Registered and 04 Vacant)

Subjects	Name of Research Guides
Life Science	1. Dr. (Ms.) Priya Sundarrajan 2. Dr. Prashant Ratnaparkhi

**13.3.4.3 Recognized Research Guide (by University of Mumbai):**





### 13.3.5 Department of Microbiology

13.3.5.1 Recognition as Research Lab: under the University of Mumbai

13.3.5.2 Number of Seats: 03 (00 Registered and 03 Vacant)

13.3.5.3 Recognized Research Guide (by the University of Mumbai):

Subjects	Name of Research Guides
Microbiology	Prof. Dr. (Ms.) Karuna Gokarn

### 13.3.6 Department of Zoology

13.3.6.1 Recognition as Research Lab: Permanent (under University of Mumbai)

13.3.6.2 Number of Seats: 00 (03 Registered and 04 Vacant)

13.3.6.3 Recognized Research Guide (by the University of Mumbai):

Subjects	Name of Research Guides
Zoology	Dr.(Ms.) Madhuri S. Hambarde

### 13.3.7 Department of Ancient Indian History, Culture & Archeology

13.3.7.1 Recognition as Research Centre: Permanent (under University of Mumbai)

13.3.7.2 Number of Seats: 10. (01 Registered and 089Vacant)

13.3.7.3 Recognized Research Guide (by the University of Mumbai):

Subjects	Name of Research Guides
AIHCA	Dr. (Ms.) Anita Rane-Kothare

### 13.3.8 Department of History

13.3.8.1 Recognition as Research Centre: Permanent (under University of Mumbai)

13.3.8.2 Number of Seats: 30 (00 Registered and 30 Vacant)

13.3.8.3 Recognized Research Guide (by University of Mumbai):



## 14. Short-Term Courses

### 14.1 PG Diploma in Bioinformatics

**14.1.1 Introduction:** Bioinformatics has emerged as a field concerned with the storage, manipulation, and extraction of valuable information from Contemporary Biology, intertwined with technology. Bioinformatics research is poised to become one of the fastest-emerging markets in India. To cater to changing trends in biological science research and the incorporation of machine learning, the Diploma in Bioinformatics, a one-year programme, aims to train the young mind with the basics and advanced data analysis methods and tools in biological science. The course will be an advantage and asset for learners intending to be associated with industries as well as research and development in the field of Applied Biology.

#### 14.1.2 Curriculum

**14.1.2.1** A sixty-five-credit course with 10 modules with theory, practical and project-based learning. The modules will be covered in 2 semesters of 3 - 4 months each.

**14.1.2.2** Lectures and Practicals will be held (3 days/week - 3 hours/day) in online mode

#### 14.1.2.3 Modules:

DBI01	Introduction To Bioinformatics	
DBI02	Biological Databases and Data Mining	(1 Credit)
DBI03	Analysis of Biological Sequences	(4 Credits)
DBI04	Biostatistics and Bioinformatics	(10 Credits)
DBI05	Structural Bioinformatics	(6 Credits)
DBI06	Bioinformatics in Drug Designing	(8 credits)
DBI07	Omics in Biology	(8 Credits)
DBI08	Next Generation Sequencing Informatics	(10 Credits)
DB09	Coding for Biologists - Bio-programming	(8 Credits)
DBI10	Project	(10 Credits)

**14.1.2.4** Minimum 75% attendance, class participation, submission of regular assignments, and expert-guided method of evaluation are the minimum requirements for the completion of the course.

**14.1.2.5 Duration:** The course will run from August 2021 till April 2022.

**14.1.2.6 Evaluation:** At the end of every module, a written test/practical test or any other mode of evaluation depending on the needs and learning objective specified for the module, will be administered to the students. In addition, lab exercises and assignments submitted during the course will be evaluated. Completion of the guided project by the students on any of the modules and the presentation will also form a part of the evaluation.

#### 14.1.2.7 Eligibility Criteria:

**14.1.2.7.1** Students who have completed a Bachelor's Degree or Master's Degree in biological science streams.

**14.1.2.7.2** Students who are currently pursuing M.Sc. I/II year in Biological Sciences (specialisation in subjects of Biotechnology/Microbiology/Biochemistry/Life Science/Botany/Zoology)/BTech/MTech/B Pharm/MPharm

**14.1.2.8 Course Fees:** ₹65,000/- (Payable in two instalments - at the point of and before December 2021)

**14.1.2.9 Number of seats:** 30 seats

**14.1.2.10 Contact Person:** Ms. Norine D'Souza, Faculty, PGDBT; Coordinator



norine.dsouza@xaviers.edu; 9819970529.

## 14.2 Diploma in Clinical Research

**14.2.1 Introduction:** Clinical research is a branch of healthcare science that determines the safety and effectiveness of medications, devices, diagnostic products, and treatment regimens intended for human use. Clinical trials are conducted in a highly regulated and controlled environment and form an integral part of the drug development process. Before a new drug is marketed, it has to be proven safe and efficacious, using controlled clinical trials. This course is designed to equip candidates with the knowledge and skills to pursue any of the following functions within the clinical research industry, viz., Clinical Operations, Data Management, and Pharmacovigilance. The job opportunities for Clinical Operations (Clinical Trial Assistant/Clinical Research Associate), Data Management, and Pharmacovigilance exist within Pharmaceutical or Biotechnology companies as well as Contract Clinical Research Organisations (CROs). Additionally, job opportunities for Clinical Study Co-ordinators exist at Hospitals and Institutions conducting clinical research.

**14.2.2 Curriculum:** The course consists of 6 months of online curriculum/training over 24 weekends and four to six months of internal projects, concurrent work experience, or as feasible, internship projects within the clinical research industry. The curriculum has six modules:

Module

1	Clinical Research: Overview: Ethics, Guidelines & Regs.	(11 credits)
2:	Clinical Trial Planning and Design	(9 credits)
3:	Clinical Trial Conduct, Compliance and Quality Assurance	(9 credits)
4:	Pharmacovigilance	(4 credits)
5:	Data Analysis & Management in Clinical Research	(10 credits)
6:	Clinical Research Management & Interpersonal Skills	(5 credits)

The teaching methodology includes online lectures by Industry Professionals, virtual classroom discussions and debates, group assignments, and case studies. The Data Analysis and Management Module includes training in Data Management activities. Evaluations are conducted by a combination of online written tests, presentations, and performance in home-based assignments.

### 14.2.3 Course Eligibility

**14.2.3.1** Students with a minimum of a Bachelor's degree in any biological science will be eligible to apply for the course; students with a Master's degree will be given preference. Students from other related streams will also be considered, based on educational qualification and merit.

**14.2.3.2** A maximum of 50 students will be selected for each batch, based on their academic background and a screening interview.

**14.2.4 Course Structure and Evaluation:** The course will be conducted in an Online mode and will comprise of:

**14.2.4.1** Virtual lectures and Class assignments over 24 Weekends Saturday – 4 hours (2 pm to 6 pm); Sundays – 6 hours (9.00 am to 3.00 pm) for 24 credits.

**14.2.4.2** Home assignments and assessments (10 hours per week); over 24 weeks for 24 credits.

**14.2.4.3** Internal projects, concurrent work experience, or as feasible, industry internship projects 4 to 6 months for 64 to 96 credits.

**14.2.4.4** Final assessment and Presentations: 8 credits.

**14.2.5 Course Fees:** ₹1,32,000 (Rupees One lakh Thirty-two thousand only) consolidated (Inclusive of GST). This includes tuition fees, course materials & handouts, and video conferencing as applicable.

**14.2.6 Contact Details:** Dr. Prashant S. Ratnaparkhi  
prashant.ratnaparkhi@xaviers.edu or College Website.

## 14.3 Diploma in Forensic Science and Criminal Law

**14.3.1 Conducted by:** Dept. of Zoology and Forensic Science, St. Xavier's College (Autonomous), Mumbai.

**14.3.2 About the Program:** This course has been formulated to provide an introduction and orientation to the functioning of the Indian Criminal Justice delivery system, and the role forensic science plays in this process.



The use of case studies, mock crime scenes, and various practicals allows the students to hone the basic skills necessary for investigation. This course is apt for all interested professionals from the fields of Police, Security, Legal Management, Media, Sociology as well as any citizen or student keen to learn more about forensic science and the law.

### 14.3.3 Course Content

1. The Basics of Crime Scene Investigation
2. Ethics and Research Methods in Forensic Science
3. The Functioning of the Indian Judicial System: Crime Scene to Court Room
4. Impression Evidence
5. Introduction to Forensic Serology
6. Forensic DNA Analysis
7. Microbial Forensics and Forensic Immunology
8. Forensic Toxicology and Medicine
9. Emerging Trends in Forensic Science
10. Research Case Study and Moot Court

**14.3.4 Duration:** One academic year, Part Time, Hybrid Mode of Instruction

**14.3.5 Timings:** Monday, Tuesday, Wednesday from 04:00 pm – 07:00 pm

**14.3.6 Fees Structure:** ₹27,500 (including registration)

**14.3.7 Pre-registration (Online) forms:** <https://sxcbo.com/2022/04/29/diploma-in->

### 14.3.8 Contact Details:

Dr. (Ms.) Pushpa Sinkar	pushpa.sinkar@xaviers.edu;
Ms. Riva Pocha	riva.pocha@xaviers.edu;
Ms. Sejal Gupta	sejal.gupta@xaviers.edu;
Ms. Alethea Vaz	alethea.vaz@xaviers.edu.

## 14.4 Online Certificate Course in Forensic Science

**14.4.1** The online program has a primary objective to make quality forensic education easily accessible by:

**14.4.1.1** Facilitating distance learning for students interested in forensic science, living in different parts of India, with limited funds.

**14.4.1.2** Providing students interested in careers in forensic science a basic understanding of crime scene-related forensic science practice, while they are studying other subjects at the graduate/postgraduate level.

**14.4.1.3** Familiarising law enforcement professionals and law students with a basic understanding of forensic sciences, while allowing them the flexibility of a non-classroom teaching mode.

### 14.4.2 Course Content

1. An Introduction to Forensic Science
2. Ethics and Research Methods
3. Understanding the Indian Police and Legal System
4. Crime Scene Processing and Investigation Techniques
5. Forensic Instrumentation Techniques and Applications
6. Impression Evidence
7. Biological Evidence - Types, Handling and Analysis
8. Medical Jurisprudence
9. Role of Forensic Science in Counter-Terrorism
10. Emerging Trends in Forensic Science

**14.4.3 Duration:** 4 Months

**14.4.4 Fees:** ₹15,000/- Processing Charges: ₹500/- domestic students); ₹1000/- ( international students).

**14.4.5 Pre-registration (Online) forms:**

<https://sxcbo.com/2022/04/26/online-certificate-course-in-forensic-science/>

### 14.4.6 Contact Details:



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Dr. (Ms.) Pushpa Sinkar pushpa.sinkar@xaviers.edu;  
Ms. Riva Pocha riva.pocha@xaviers.edu;  
Ms. Sejal Gupta sejal.gupta@xaviers.edu;  
Ms. Alethea Vaz alethea.vaz@xaviers.edu

## 14.5 Diploma in Gemmology

**14.5.1** The Gemmology course has been specifically designed for anyone who may be interested in the study of gems and minerals. This three-month course includes theory and practical hands-on training. It covers a wide variety of gems commonly encountered in the gem and jewelry market like Rubies, Sapphires, Amethysts, Topaz, Quartz, Pearls, etc. including some rare gemstones.

**14.5.2** Starting from the rough 'mineral' the course goes right up to teaching the fundamental character of gems and the most modern techniques used for their identification. This course is designed for persons interested in jewelry designing, sales professionals, or making one a more confident buyer.

**14.5.3 Duration:** 3 months

**14.5.4 Timings:** This is an evening course and classes are held from Monday to Friday for 1½ hour duration. The date of commencement is the end of June.

**14.5.5 Fees:** ₹40,000 + GST

**14.5.6 Contact Details:** Dr. Pravin Henriques, pravin.henriques@xaviers.edu or College Website

## 14.6 Certificate Course in Practical Gem Appreciation and Identification

**14.6.1** This 20-hour, one-month (evening) certificate course is designed to widen the knowledge of anyone interested in gemstones. It is particularly recommended for the consumer who wishes to make informed decisions when purchasing fine gemstones. It stresses the 'how to' of gem identification. Learning basic instrumentation will show you how a gemologist can distinguish between natural, synthetic, and imitation gems. Gem testing instruments are provided, but students should have their pocket instruments.

**14.6.2 Duration:** 20 hours. Held during the vacations

**14.6.3 Timings:** Evening

**14.6.4 Fees:** ₹10,000 + GST

**14.6.5 Contact Details:** Dr. Pravin Henriques, pravin.henriques@xaviers.edu or College Website.

## 14.7 Certificate Course in Plantsmanship with Basic Garden Hard-scaping Material and Tools

**14.7.1 Eligibility:** (10 + 2) from a recognised Authority ie Board or University.

**14.7.2 Duration:** This is a one-semester course with a duration of approximately 4.5 months i.e., 36 days over the weekend [Saturdays and Sundays].

**14.7.3 Contact hours:** 10 hours per week. The Total Number of Hours = 180.

**14.7.4 Credits:** Total Number of Credits = 180 hours 12 credits; (15 hours = 1 Credit).

**14.7.5 Number of Modules in the course:** 4.

**14.7.6 Number of Students:** Maximum number of students = 30. The minimum number of students required to break even = 25

**14.7.7 Fees:** ₹15,000.00 (inclusive of GST)

**14.7.8 Location:** Course to be conducted at St. Xavier's College, Mumbai in collaboration with L.S. Raheja School of Architecture, Mumbai.



## 14.8 Certificate Course in Basic Python

(Introduction to Python Programming)

**14.8.1 Learning Objectives:** To introduce students to various Python concepts.

**14.8.2 Expected Learning Outcomes of this course**

**14.8.2.1** Students understand the concepts of programming before actually starting to write new programs.

**14.8.2.2** Students comprehend what happens in the background when the programs are executed.

**14.8.2.3** Students develop logic for problem-solving.

**14.8.2.4** Students get familiar with the basic constructs of programming such as data, operations, conditions, loops, functions, etc.

**14.8.2.5** Students apply the problem-solving skills using syntactically simple language i.e., Python (version: 3.X or higher)

**14.8.2.6 Duration:** 10 weeks. 2 lectures per week of Theory and 2 Practical sessions

**14.8.2.7 Evaluation:** Practical Examination: 80 marks, Viva: 10 marks, Journal: 10 marks.

**14.8.2.8 Fees:** ₹4000/- inclusive GST.

## 14.9 PG Diploma in Counselling Psychology (XICP)

**14.9.1 Course Objective:** This course, offered by the Xavier Institute of Counselling Psychology (XICP) aims to address the dearth of mental health professionals and to equip psychologists with the necessary knowledge and skills to enhance therapeutic counselling. Students, completing the course emerge as well-trained counsellors who can effectively tackle increasing societal stress-related problems.

**14.9.2 Course Conceived and Designed by:** Fr. Berchmans D'souza S.J., in the year 1992, it has been modified by Ms. Sujata Abraham and Ms. Linda Dhakul.

**14.9.3 Director:** Dr. (Fr.) Keith D'Souza S.J.

**14.9.4 Coordinator:** Dr. Noellene Fialho. Phone: +91 9324084592, Email: xicp92@gmail.com

**14.9.5 Modules:** 7 Counselling Psychology Papers (i.e., 21 credits, 15 hrs. per credit):

1. CPP 01 Counselling Skills and Processes
2. CPP 02 Counselling Practicum
3. CPP 03 Development Across the Lifespan and Counselling.
4. CPP 04 Psychopathology
5. CPP 05 Personality Theories and Therapies I
6. CPP 06 Personality Theories and Therapies II
7. CPP 07 Career Counselling and Practicum.

**14.9.6 Duration:** Ten months from July of the current academic year to April of the subsequent academic year (with breaks for Diwali and Christmas).

**14.9.7 Lectures:** Mondays, Wednesdays and Fridays (4:00 pm to 7:00 pm).

**14.9.8 Practicals:** There are various practical aspects to the training the students receive outlined as follows:

**14.9.8.1** Students have to go through personal counselling themselves during the course.

**14.9.8.2** Students undergo a supervised internship including 40 hours of counselling in a school, college, NGO, or any other mental health setup.

**14.9.8.3** Students volunteer for approximately 10 hours at an Old Age or Geriatric Care Home.

**14.9.8.4** A supervised practicum in career counselling is held in April. Career/Psychometric tests are conducted from 8.00 a.m. to 12.30 p.m. on two days and results are given on the 3rd day. Students have to be at the college from 7:45 a.m. to 3:00 p.m. on both these days to administer the tests and from 8:00 a.m. to 9:00 a.m. on the 3rd day for a report-giving session with the parents and clients.

**14.9.9 Eligibility:** P.G. Degree in Psychology, Social Work or Human Development.

**14.9.10 Fees:** ₹80,240/- including GST.

**14.9.11 Number of Seats:** 25 students.



**14.9.12 Website:** <https://sites.google.com/xaviers.edu/xicp/pgcourse>

## 14.10 Certificate Course in Personal Counselling

**14.10.1 Course Objective:** This course, offered by the Xavier Institute of Counselling Psychology (XICP) is based on the Carkhuff Model of Counselling. Using simulative, exploratory methods it gives the students a chance to introspect as well as enhance their helping skills aiding them in whatever profession they may be.

**14.10.2 Course Conceived and Designed by:** Fr. Joaquim Fuster S.J., in the year 1978, it has been modified and updated by Ms. Sujata Abraham and Dr. Noellene Fialho.

**14.10.3 Director:** Dr. (Fr.) Keith D'Souza S.J.

**14.10.4 Coordinator:** Dr. Noellene Fialho, Phone: +91 9324084592  
Email: [cpc.xaviers@gmail.com](mailto:cpc.xaviers@gmail.com)

**14.10.5 Duration:** 22 sessions (2hrs each). Held twice a year (Aug to Oct and Jan to Mar).

**14.10.6 Timings:** Tuesdays and Thursdays (5:00 pm to 7:00 pm).

**14.10.7 Eligibility:** Higher Secondary School Certificate.

**14.10.8 Content:** The 22 sessions cover the following content:

**14.10.8.1** Personal Growth of the Counsellor

**14.10.8.2** History and Meaning of Counselling

**14.10.8.3** Role of a Counsellor

**14.10.8.4** Models of Counselling (Focus on the Carkhuff Model)

**14.10.8.5** Counselling Skills

**14.10.8.6** Stages of Counselling

**14.10.9 Fees:** ₹20,000/- including GST.

**14.10.10 Number of Seats:** 25 students.

**14.10.11 Website:** <https://sites.google.com/xaviers.edu/xicp/personal-counselling-course>.

## 14.11 PG Diploma in Expressive Arts and Therapy

**14.11.1 Introduction:** The objective of the course is to open up this highly specialised discipline to Indian postgraduates and to develop competent practitioners in the field of Expressive Arts Therapy. The course focuses on equipping participants with a theoretical foundation and hands-on skills, in socially challenging environments within educational and developmental settings and supplement their existing capacities. Modules will be conducted by internationally certified visiting faculty from across the country. The graduates can represent themselves as Expressive Arts Therapy Practitioners (ExAT-P). To represent as a therapist, a master's degree in this field is required

**14.11.2 Number of Seats:** Maximum of 20 students per year.

**14.11.3 Selection Process:** Shortlisted eligible students who have filled out the online application form will be called for an experiential and theoretical interview along with submitting an audition video. The merit score is based on: academics, statement of purpose, relevant personal and professional experiences, video score, and interview score. For all applicants, online interviews are held.

**14.11.4 Eligibility Criteria:** Students with a Bachelor's Degree in any faculty or discipline can fill out the online application and there is no age restriction for admission.

**14.11.5 Fees:** As sanctioned by the Board of Management of St. Xavier's College (Autonomous): ₹2,12,000/-.

**14.11.6 Semester-wise Syllabi**





Table 14.1: Semester I

Code	Course Title	Credits
101	Expressive Arts Therapy Theoretical Foundation - I	5
102	Expressive Arts Therapy Skills - I	5
103	Counselling Theories Process and Skills - I	5
104	Fieldwork Orientation and Development	5
105	Research: Design and Methodology	4
	Total	24

Code	Course Title	Credits
201	Expressive Arts Therapy Theoretical Foundation- II	5
202	Expressive Arts Therapy Skills- II	5
203	Counselling Theories Process and Skills-II	5
204	Fieldwork- Practicum	5
205	Research: Paper Submission	4
	Total	24

**14.11.7 Credit Distribution:** The course consists of 48 credits. Each credit equals 15 hours. Fieldwork orientation and practicum is 180+ hours in two semesters.

**14.11.8 Duration of the Course:** 1 year

**14.11.9 Timing:** Semester I - Thursday, Friday Saturday: 2 pm to 8 pm for all courses.

Semester II - Thursday, Friday Saturday.

For courses 201, 202, and 203: 2 pm to 8 pm on the same days.

For courses 204 and 205: timings will vary for 3 months due to fieldwork.

**14.11.10 Scheme of Evaluation:** For each theory paper, the evaluation is divided as follows: 60 marks per semester per paper and 40 marks per semester per paper: for case studies, presentations, and group facilitation.

**14.11.11 Contact Details:** Program Head, Ms. Devika Mehta, M.A. (Indian Folk Dance), M.A. Clinical Psychology, M.Sc. (Dance Movement Psychotherapy – UK). Her email id is devika.mehta@xaviers.edu.

## 14.12 Online Diploma in Inter-Religious Traditions

**14.12.1 Rationale for the Course:** While religion promises to be a rich resource for civic peace and harmony, it has not always been so. While the need for understanding, collaboration, and fecundity between these traditions has always been important, this is felt even more in our age of instant global communication, when conflicts can exacerbate rapidly. There is also a more obvious need for adherents of different faiths to learn more about their faith traditions. Religion needs to be viewed as a rich resource for personal and collective wisdom, freedom, and empathy. It is with this intent that the course in “Inter-Religious Traditions” has been curated. The purpose is to recognise that various traditions have been influenced by a variety of social forces, as well as by other religious and cultural traditions.

**14.12.2 Coordinator:** Ms. Shilpa Chheda [Heras Institute].  
shilpa.chheda@xaviers.edu and courses.dirs@gmail.com

**14.12.3 Duration:** From July to February: Contact class hours from July to September and November to February [Weekly 4 hours - Tuesday and Friday, from 5.00 to 7.00 p.m.]

**14.12.4 Contact Hours:** 96 hours for the Diploma [8 modules of 12 hours each – each module could be offered as a distinct Honours course]

OR: 2 independent Certificate Courses of 48 contact hours each.

OR: 8 independent Modules of 12 contact hours each - each module could be offered as a distinct Honours course for Xavier’s students.



#### 14.12.5 Fee Structure:

**14.12.5.1 For the Diploma Course:** Xavier's students: ₹5,000/-; Other students: 5,000/- plus GST; General Public/Professionals: 10,000/- plus GST; Retired Senior Citizens/Those only auditing the course: 5,000/- plus GST; Foreign participants: 500 Dollars.

**14.12.5.2 For each Certificate Course:** Xavier's students: ₹2,500/-; Other students: ₹2,500/- plus GST; General Public/Professionals: ₹5,000/- plus GST; Retired Senior Citizens/Those only auditing the course: ₹2,500/- plus GST; Foreign participants: 250 Dollars.

**14.12.5.3 For each Module:** Xavier's students: ₹500/-; Other students: ₹500/- plus GST; General Public/Professionals: ₹1,000/- plus GST; Retired Senior Citizens: ₹500/- plus GST; Foreign participants: 75 Dollars.

**14.12.6 Eligibility:** Secondary School Certificate and a good knowledge of English.

**14.12.7 Evaluation:** based on reflective questions given to the participants.

Diploma: 5 assignments [100 marks] + Final theory exam [100 marks]

Certificate: 3 assignments [100 marks]

Module: 1 assignment [100 marks]

Each assignment should be between 1,000 and 1,200 words

#### 14.12.8 Syllabus:

**14.12.8.1** Part One: Certificate in "Inter-Religious Traditions: Astika, Nastika, Bhakti and Sikh Traditions"

Module 1 (12 contact hours): The Phenomenon of Religion

Module 2 (12 contact hours): Vedic Tradition and Orthodox/Astika Philosophy

Module 3 (12 contact hours): Sramana Traditions & Heterodox/Nastika Philosophy

Module 4 (12 contact hours): Bhakti and Sikh traditions

**14.12.8.2** Part Two: Certificate in "Inter-Religious Traditions: Zoroastrianism, Judaism, Christianity, Islam, Bahai & Indigenous Traditions"

Module 5 (12 contact hours): Jewish and Christian traditions

Module 6 (12 contact hours): Zoroastrian, Islamic and Bahai traditions

Module 7 (12 contact hours): Indigenous traditions

Module 8 (12 contact hours): Inter-Religious Confluence (sangam)

## 14.13 Online Diploma in Comparative and Applied Ethics

**14.13.1 Rationale for the Course:** Ethics is a fundamentally important aspect of personal and social life. Human beings are endowed with the ability to make practical judgements and decisions concerning realities which transcend the natural or factual order of existence. Such decisions are based on various factors such as inclination, education, insight, convention, influence, conviction and argumentation. The academic field of ethics has traditionally been hosted by the larger discipline of Philosophy, especially in higher educational institutions. However, ethics—especially applied ethics—has gained prominence in various professional fields such as health care, business, law, scientific research and public policy. The course is designed to facilitate knowledge in both theoretical and practical aspect of ethics.

**14.13.2 Coordinator:** Ms. Shilpa Chheda [Heras Institute].  
shilpa.chheda@xaviers.edu & courses.dirs@gmail.com

**14.13.3 Duration:** From July to February [Contact class hours in Aug & Sept, and mid-Nov to Jan: Monday and Thursday, from 5.00 to 7.00 p.m.].

**14.13.4 Contact hours:** 64 contact hours for the Diploma.

OR: 2 independent Certificate Courses of 32 contact hours each.

OR: 4 independent Modules of 16 contact hours each – each module could be offered as a distinct Honours course for Xavier's students.

#### 14.13.5 Fee Structure:

**14.13.5.1 For the Diploma Course:** Xavier's students: ₹5,000/-; Other students: ₹5,000/- plus GST; General Public/Professionals: ₹10,000/- plus GST; Retired Senior Citizens/Those only auditing the course: ₹5,000/- plus GST; Foreign participants: 800 Euros/960 Dollars.



**14.13.5.2 For each Certificate Course:** Xavier's students: ₹2,500/-; Other students: ₹2,500/- plus GST; General Public/Professionals: ₹5,000/- plus GST; Retired Senior Citizens/Those only auditing the course: ₹2,500/- plus GST; Foreign participants: 500 Euros/600 Dollars.

**14.13.5.3 For each Module:** Xavier's students: ₹1,000/-; Other students: ₹1,000/- plus GST; General Public/Professionals: ₹2,000/- plus GST; Retired Senior Citizens: ₹1,000/- plus GST; Foreign participants: 250 Euros/300 Dollars.

**14.13.6 Eligibility:** Higher Secondary School Certificate and good knowledge of English

**14.13.7 Evaluation:** based on reflective questions given to the participants.

**14.13.7.1 For the Diploma:** Per module a reflective assignment of 1000-1200 words; Final synthetic essay of 1000-1200 words.

**14.13.7.2 Per Certificate Course:** Per module a reflective 1000-1200 words assignment.

**14.13.7.3 Per Module:** For Honours' students: a reflective 1000-1200 words assignment.

### 14.13.8 Syllabus

#### 14.13.8.1 Part One: Comparative and Normative Ethics.

##### Module One: Philosophical and Religious Ethics

Unit One (8 contact hours): Philosophical Ethics

1. Introduction: Ethical perspectives from universalism to relativism
2. Ethics of the Good (teleology) and the Right (deontology)
3. Natural Law and Virtue Ethics
4. Feminist ethics (including Care Ethics)

Unit Two (8 contact hours): Religious Ethics

1. Relationship between religion and ethics
2. Indic ethics
3. West Asian ethics
4. Contemporary ethical issues

##### Module Two: Social and Cultural Ethics

Unit Three (8 contact hours): Social Ethics

1. Liberal (personalist) ethics
2. Liberationist (collectivist) ethics
3. Socially critical ethics (critical theory)
4. Developmental ethics (capability approach)

Unit Four (8 contact hours): Cultural Ethics

1. Classical, modern and post-modern ethics
2. Ethnocentrism and relativism
3. Cultural domination and assimilation (master-slave ethics: postcolonial and socially hierarchical critique)
4. Art and ethics

#### 14.13.8.2 Part Two: Applied Ethics.

##### Module One: Ethics of Science and Bioethics

Unit One (8 contact hours): Ethics of Science and Technology

1. Introduction: social and ethical aspects of science and technology
2. Technology and ethics
3. Cyberethics
4. Environmental ethics

Unit Two (8 contact hours): Bioethics

1. Ethics of medical science
2. Biomedical ethics: birth and death issues
3. Biomedical ethics: other issues
4. Animal rights

##### Module Two: Legal, Political and Economic Ethics

Unit One (8 contact hours): Legal Ethics

1. Fundamental rights and due process of law (Constitutional morality)
2. Natural Justice and Conflict of interest



3. Compensatory mechanisms and punishment in Civil and Criminal Law
4. Social inclusion (minority rights, affirmative action, migration)

Unit Two (8 contact hours): Political and Economic Ethics

1. State and individual: responsibility and accountability
2. Sovereignty and inter-national ethics
3. Business ethics
4. CSR

## 14.14 Certificate Course in Ancient Indian History, Culture and Archaeology

**14.14.1 Conducted by:** the Department of Ancient Indian History Culture. For further details please check the College Website. These courses have been designed to develop appropriate talents of students having interests in the field of Ancient Indian History, Culture and Archaeology. Applicants could join for any number of the four courses offered.

**14.14.2 Eligibility:** This course is open to students of any faculty and the applicants could be completing either an Under-Graduation or a Postgraduate Degree.

**14.14.3 Duration:** 3 months (From last week of July).

**14.14.4 Timings:** Evenings, once a week, as per the A.I.H.C.A. M.A. Time Table

**14.14.5 Fees:** ₹1000 per Course

**14.14.6 Course Description:**

**14.14.6.1 Epigraphy and Numismatics of Ancient India:** This course introduces the various scripts used in Ancient India and the role of coins in the Indian context. Students will be taught three ancient scripts: Brahmi, Kharoshti and Persian.

**14.14.6.2 History of Performing Arts & Theatre in Ancient India:** This course is designed to enlighten students about the synergy between fluid and static arts and thus broaden their horizon and innate understanding this subject.

**14.14.6.3 Maritime Heritage of Ancient India:** This course helps in understanding the maritime tradition that existed in India from the protohistoric period.

**14.14.6.4 Brief Study of the Comparative Mythology of the World:** Various mythologies of world civilisations are classified. A comparative analysis of Indian and other world mythologies is also dealt with.

**14.14.6.5 Basic Elements of Archaeology:** This course helps in understanding the change from traditional archaeology to new archaeology, its relations with sciences, explorations and excavation techniques with field visits.

**14.14.7 Contact Details:** Dr. (Ms.) Anita Rane-Kothare or College Website.

## 14.15 Online Certificate/Diploma in Intellectual Property Rights (IPR)

**14.15.1 Conducted by:** Department of Microbiology along with Industry partner – ANM GLOBAL, a full-service Law Firm, specialising in the field of IP.

**14.15.2 About the Firm:** The firm has a team of over 50 lawyers including corporate lawyers, patent attorneys, investigators, litigators, and paralegals dedicated to providing legal solutions in the areas of corporate advisory; Intellectual Property; Technology, Media & Entertainment; Civil/Commercial/Criminal Litigation; and Start-Up Legal Solutions.

**14.15.3 Introduction and Background:** Industries, businesses, Startups, Educational institutions, Government organisations, all require persons skilled in the field of Intellectual Property. This is because IP forms the heart of any enterprise (e.g., Copyright in the music industry, Patents in the pharmaceutical industry, Industrial Designs in the manufacturing industry etc.). Therefore, it is of utmost importance for a company to employ persons educated in the field. For Students, an IP certification/diploma can add great value towards a holistic understanding of their respective subjects, including Science, Engineering, Business, Legal, Management,



Production, etc. Moreover, organisations are inclined towards recruiting employees with a sound understanding of IP, opening doors for fresh graduates.

**14.15.4 Certificate Course:** A Certificate course in Intellectual Property Rights requires the learner to complete a minimum of 30 credits. The course will be structured to offer a holistic understanding on Intellectual Property Rights after which the students will be offered an exit point. Should the students wish to earn a diploma in IPR and /or Media & Entertainment they may continue the course for the required number of credits by reapplying post the exit point.

**14.15.5 Diploma Course:** A Diploma course requires the learner to complete a minimum of 48 credits. This course offers a choice of two Diplomas

**14.15.5.1** Diploma in Patent Law.

**14.15.5.2** Diploma in Copyrights (Media & Entertainment)

**14.15.6 Course content:**

1. Module I - Introduction: 2 credits — Introduction to IPR, Need for IP today
2. Module II – Statutory History of IP & International IP: 3 credits — Constitution of India, Source of IP laws, History & International Treaties, Common Law
3. Module III - Core Theory & Case study: 25 credits — Law of Trademarks, Law of Copyrights, Law of Patents, Law of Designs & Geographical Indications, Infringement, Oppositions & Passing Off, IP Litigation strategies & Arbitration- overview

OPTION 1- DIPLOMA IN PATENT LAW

1. Module III A - Core Theory & Case study: 10 credits — Patents - Statutory understanding, Industry based studies & current ongoing
2. Module IV A - Application & Practical training: 5 credits — Drafting Provisional Specification, Complete Specification (focus on claim drafting), Legal Opinions & Notices]
3. Module V A - Core Skills & Practical training: 5 credits — Conducting Technical searches in patent. [Understanding available Databases, Search key & Search string formation, Search strategy]

OPTION 2- DIPLOMA IN COPYRIGHTS & MEDIA & ENTERTAINMENT

1. Module III B- Core Theory & Case study: 10 credits — Law of Copyrights, Media & Entertainment- Statutory Understanding, Industry based studies & current ongoing
2. Module IV B - Application & Practical training: 5 credits — Drafting (License agreements, Disclaimers & Privacy policies, Legal Notices.)
3. Module V B - Core Skills & Practical training: 5 credits

DIPLOMA MODULES COMPULSORY FOR BOTH OPTIONS

1. Module VI - Prosecution: 5 credits Filing & Prosecution [Filing Fresh Applications, Responding to office actions, Understanding statutory deadlines] and
2. International IP understanding: 5 credits = International Applications and Prosecution
3. Internship: Students will be offered to intern with ANM Global's offices based on merit after the course.

**14.15.7 Course Architect:** Ms. Ragini Shah, Partner at ANM Global

**14.15.8 Course Conductors:** Mr. Kishu Daswani (Sr. conductor), Ms. Ragini Shah (lead conductor), Mr. Rahul Dhote (lead conductor), Ms. Anushree Rauta (guest conductor),

**14.15.9** A session on general trends in the US and EU to be conducted by international attorneys from US and Europe.

**14.15.10 Eligibility:** 12th pass

**14.15.11 Duration:** Certificate: 6 months, Diploma: 9 months

**14.15.12 Timings:** Saturday: 8:30am - 12pm; Wednesday: 8:30am - 10am

**14.15.13 Self-study time:** Total 60 hours self-monitored

**14.15.14 Evaluation**

**14.15.14.0.1 Certificate Course :**

MCQ: 2 exams conducted at the end of 3 months each. Assignment submission: (2 assignments)



**14.15.14.0.2 Diploma in Copyright (Media & Entertainment)** : MCQ: 2 exams conducted at the end of 3 months each in the first semester. Assignment submission case study based (4 assignments)

**14.15.14.0.3 Diploma in Patents** :

MCQ: 2 exams conducted at the end of 3 months each in the first semester. Assignment submission (2 assignments) in the second semester Patents- Live tests based via screen sharing for testing skill based technical tools, conducted in the second semester.

**14.15.14.1 Fee Structure:** Certificate: ₹30,000 +GST; Diploma: ₹50,000 +GST

**14.15.14.2 Contact:** micro.dept@xaviers.edu natasha.menon@anmglobal.net  
Application forms available on college website

## 14.16 PG Diploma in Tourism Management (PGD-TM)

**14.16.1 Introduction:** The programme aims to provide comprehensive knowledge of tourism along with hands-on training to create specialists in the field of tourism. It aims to enhance project-based learning including on-field training and assistance in securing internship. The main objective is to develop skilled professionals, entrepreneurs, and specialists in tourism industry in accordance with the dynamic global norms. This programme is apt for graduates from any streams, especially those who are passionate about travel and wish to instil the same passion among other tourists.

**14.16.2 Curriculum:** Syllabi per Semester: Semester-I

Course Code	Course Title	Credits
PGDTM0101	Fundamentals of Tourism Management	3
PGDTM0102	Tourism Products and Resources	3
PGDTM0103	Itinerary Planning and Costing	3
PGDTM0104	Entrepreneurship and MICE Management	3
PGDTM01PR	Thematic Individual Project- Domestic	8

Semester II

Course Code	Course Title	Credits
PGDTM0201	Tourism Operation Management	3
PGDTM0202	Tour Guide, Escort and Manager Skills	3
PGDTM0203	Sustainable and Responsible Tourism	3
PGDTM0204	Tourism Marketing and Promotion	3
PGDTM02PR	Thematic Individual Project- International	8
PGDTM02IN	Internship	8

**14.16.2.1 Requirement for course completion:** Minimum 75% attendance, class participation, submission of regular internal assessments, thematic projects and 6 weeks internship are the minimum requirements for the completion of the course.

**14.16.2.2 Credit Distribution:** The programme consists of 48 credits and 1500 marks programme, 240 hours of internship. 20 credits in each semester and 8 additional credits of internship in the second semester.

**14.16.2.3 Duration of the Programme:** 1 year (11months inclusive of 6-7 weeks of internship)

**14.16.2.4 Timings:** Monday to Friday 5:00-8:00pm and Saturday (time-based activity) Project Training/ Practical/Field visit

**14.16.2.5 Scheme of Evaluation:** For each theory paper, the evaluations are divided as follows 60 marks per semester per course: case studies, presentations, on-field activities and 40 marks per semester per course: written assessment in the form of a test.

For each project 200 marks per semester divided as follows: 100 marks for time-based activities/ field visits; 60 marks written submission in for of thesis and 40 marks external Viva.

For internship in the second semester will include 300 marks internship evaluated as 150 marks for the completion and weekly reports and 150 divided into assessment by employer, internship coordinator and external examiner.

**14.16.3 Eligibility Criteria and Selection Process**

**14.16.3.1** Students with a Bachelor's degree in any faculty or disciple can fill out the online application and there is no age restriction for admission.



**14.16.3.2** Shortlisted eligible students who have filled the online application form will be called for an interview. The merit score is based on academic records.

**14.16.4 Fees:** As sanctioned by the Board of Management of St. Xavier's College (Autonomous), Mumbai, it is ₹80,000/- (plus taxes as applicable)

**14.16.4.1 Number of seats:** 30 students per year

**14.16.4.2 Contact Details:** Dr. Siddhi Bhathgara siddhi.bhathgara@xaviers.edu

## 14.17 Laboratory Instrumentation and Techniques in Biology

(A Certificate Course)

**14.17.1 Introduction:** Laboratory instrumentation and techniques in biology is aimed at Undergraduate students who need to get a complete working knowledge of instruments commonly used in their laboratory setting. Very often in practical's during their graduation years they are never completely exposed to an instrument and its functioning, sample preparation and pre-requisites to run an experiment using the said instrument, care and standardization needed prior to usage of the instrument and troubleshooting. This course aims to remedy this and provide the student with a holistic understand of the instrument and its usage.

### 14.17.2 Learning Objectives

- To introduce the students to commonly used instruments and techniques in biology
- To teach the students the working principles, functioning and uses of these instruments and techniques.
- To give the students hands on training in handling these instruments and techniques

**14.17.2.1 Course Outcome:** Know the working principles, functions and uses of commonly used instruments and techniques in biology laboratories. Be handle these instruments and techniques. Be able to perform experiments using these instruments and techniques

### 14.17.3 Curriculum.

Module 1: Essential Laboratory Skills

Module 2: pH Measurement

Module 3: Spectrophotometric Analysis

Module 4: Water Analysis

Module 5: Microscopy

Module 6: Electrophoresis Techniques

Module 7: Haematological Techniques

**14.17.4 Course structure and Evaluation:** The course will be conducted post college timings from 4 p.m. onwards. The duration is 3 months.

**14.17.5 Course Eligibility:** Any student having cleared 12th Std and pursuing their undergraduate programme is eligible

**14.17.6 Course Fees:** ₹3540/- ( ₹Three thousand Five Hundred and Forty only) consolidated (Inclusive of GST). This includes course fees, handouts, tuition fees and exam fees.

Contact details: Dr. Sujata Deshpande (sujata.deshpande@xaviers.edu)

Mr. Conrad Cabral (conrad.cabral@xaviers.edu)

## 14.18 For Courses conducted by XIC

please refer to the XIC website: [www.xaviercomm.org](http://www.xaviercomm.org)





# 15. Faculty

Keys: \* = Recognised by Univ. of Mumbai for PG teaching at M.A., M.Sc., M.Com.

† = As Research Guides for Ph.D.;

@= Honorary

NOTE: The Lecturers' names are listed as per Seniority in St Xavier's College (Autonomous), Mumbai-400 001.

## 15.1 Faculty of Arts

### 15.1.1 Department of Ancient Indian History, Culture & Archeology

†* Ms. Anita Rane-Kothare, M.A., Dip. Pali. Ph.D	Assoc. Prof. & Head of Dept.
* Ms. Radha Kumar, M.A., Ph.D	Assoc. Prof.
Mr Jason Johns, M.A., Ph.D.	Asst. Prof. (Ad hoc)

### 15.1.2 Department of Commerce (for Arts)

Ms. Suvaiba Pirani, M.Com., Ph.D.	Asst. Prof. & Prof-in-Charge
Ms. Kamalika Ray, M.Com.	Asst. Prof. (Ad hoc)

### 15.1.3 Department of Economics

†* Ms. Aditi P. Sawant, M.A., Ph.D.	Assoc. Prof. & Head of Dept.
Ms. Manali Pawar, M.A.	Asst. Prof.
Ms. Aparna Kulkarni, M.A. Ph. D	Asst. Prof.
Fr. Vivian Almeida S.J., M.A.	Asst. Prof.

### 15.1.4 Department of English

Ms. Rashmi Lee George, M.A., Ph.D.	Asst. Prof. & Head of Dept.
Ms. Prasita Mukherjee, M.A., Ph.D.	Asst. Prof.
Ms. Amrita Shenoy, M.A., M. St.	Asst. Prof. (Ad hoc)

### 15.1.5 Department of French

Ms. Alpana. Palkhiwale, M.A.	Assoc. Prof. & Prof-in-Charge
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### 15.1.6 Department of Hindi

Mr. Bhagwati Upadhyay, M.A., Ph.D.	Asst. Prof. & Prof.-in-Charge (Ad hoc)
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### 15.1.7 Department of History

* Mr. Avkash D. Jadhav, M.A., Ph.D.	Assoc. Prof.& Head of Dept.
Mr. Arun Singh, M.A.	Asst. Prof. (Ad hoc)



### 15.1.8 Department of Political Science

†* Ms. Pratiba Naitthani, M.A., B.Ed., Ph.D.	Assoc. Prof. & Head of Dept.
Ms. Sukhada Gole, M.A.	Asst. Prof. (Ad hoc)

### 15.1.9 Department of Psychology

Ms. Ruby Pavri, M.A., B.Ed.	Assoc. Prof. & Head of Dept.
Ms. Linda Dhakul, M.A., B.Ed.	Asst. Prof.
Fr. Dean Fernandes S.J., M.A.	Asst. Prof. (on leave)
Ms. Danielle Pereira, M.A., Ph.D.	Asst. Prof. (Ad hoc)
Ms. Ruchi Brahmachari, M.A., M.A. (S Illinois, USA)	Asst. Prof. (Ad hoc)
Ms. Devika Mehta, M.Sc., M.A.	Asst. Prof. (Ad hoc)
Ms. Sanyukta Golaya, M.A.	Asst. Prof. (Ad hoc)

### 15.1.10 Department of Sociology and Antropology

Ms. Pranoti Chirmuley, M.A., M. Phil, Ph.D.	Asst. Prof. & Head of Dept.
Ms. Radhika Rani, M.A., M. Phil.	Asst. Prof.
Ms. Ankita Gujar, M.A., L.L.B.	Asst. Prof.
Ms. Sahana Sen, M.A., Ph.D.	Asst. Prof. (Ad hoc)
Ms. Anupama	Asst. Prof. (Ad hoc)

### 15.1.11 Department of BA (MCJ)

Ms. SP. Periyanyagi B.Com., MBA, M.Phil.	Asst. Prof. & Head of Dept.
Ms. Akshara Jadhav, M.A., PGJMC.	Asst. Prof.

### 15.1.12 Department of Public Policy

Fr. Arun de Souza, S. J., M.A. Ph.D	Asst. Prof. & Head of Dept.
* Mr. Agnelo Menezes, M.A. Ph.D	Assoc. Prof. (Ad hoc)
Ms. Nandini Naik, M.A., M.Phil.	Asst. Prof.

## 15.2 Faculty of Science

### 15.2.1 Department of Botany

* Mr. Kevin J. D'Cruz, M.Sc.	Assoc. Prof.
†* Mr. Rajendra D. Shinde, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept, Principal
* Mr. Alok Gude, M.Sc.	Assoc. Prof.& In-Charge Head
†* Ms. Vijaya Lobo, M.Sc., Ph.D.	Asst. Prof.
Mr. Rajdeo Singh, M.Sc., Ph.D.	Asst. Prof.
Mr. Saif Khan, M.Sc.	Asst. Prof. (Ad hoc)
Ms. Manoshree Mondal, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)



### 15.2.2 Department of Chemistry

Mr. Marazban S. Kotwal, M.Sc.	Assoc. Prof. & Head of Dept.VP (Science)
†* Ms. Ashma Aggarwal, M.Sc., Ph.D.	Assoc. Prof.
Ms. Geeta N. Kotian, M.Sc., Ph.D.	Assoc. Prof.
Ms. Saima Khan, M.Sc.	Asst. Prof.
* Ms. Abhilasha Jain, M.Sc., Ph.D.	Asst. Prof.
†* Mr. Pralhad V. Rege, M.Sc., Ph.D.	Asst. Prof.
Mr. Himanshu Gupta, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)
Ms. Nikhila Bhat, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)
Ms. Manik Rathod, M.Sc, Ph.D.	Asst. Prof. (Ad hoc)
Ms. Maria Gomes, M.Sc.	Asst. Prof. (Ad hoc)
Mr. Niraj Bahuguni ,M.Sc, Ph.D.	Asst. Prof. (Ad hoc)

### 15.2.3 Department of Geology

†* Mr. Hrishikesh P. Samant, M.Sc., M.Tech, Ph.D.	Professor & Head of Dept.
†* Mr. Pravin Henriques, M.Sc., Ph.D.	Assoc. Prof.
†* Mr. Bobby P. Mathew, M.Sc., Ph.D.	Assoc. Prof.
†* Mr. Ashwin Pundalik, M.Sc., Ph.D.	Asst. Prof.
* Mr. John D'Souza, M.Sc.	Asst. Prof.
* Ms. Shweta Gurav, M.Sc., Ph.D.	Asst. Prof.
Ms. Vaishnavi Salvi, M.Sc., B.Ed.	Asst. Prof. (Ad hoc)

### 15.2.4 Department of Life Science and Biochemistry

†* Mr. Prashant S. Ratnaparkhi, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept.
†* Ms. Priya Sundarrajan, M.Sc., Ph.D.	Professor
* Ms. Sangeeta R. Shetty, M.Sc., Ph.D.	Assoc. Prof.
Ms. Radhika Tendulkar, M.Sc., Ph.D.	Asst. Prof.
Ms. Manasi K. Kanuga, M.Sc., Ph.D.	Asst. Prof.
Ms. Maya S. Murdeshwar, M.Sc., Ph.D.	Asst. Prof.
Mr. Binoj Kutty, M.Sc., Ph.D.	Asst. Prof.
Mr. Bhaskar Saha, M.Sc., Ph.D.	Asst. Prof.

### 15.2.5 Department of Mathematics

Ms. Meenal Kolkar, M.Sc., M.Phil.	Assoc. Prof. & Head of Dept.
* Mr. Ashok Bingi, M.Sc., Ph.D.	Assoc. Prof.
Mr. Aditya Garg, M.Sc.	Asst. Prof.
Ms. Simi Cyriac, M.Sc., B.Ed.	Asst. Prof.
Mr. Mandar Bhosale, M. Sc.	Asst. Prof. (Ad hoc)

### 15.2.6 Department of Microbiology

* Ms. Sangeeta Chavan, M.Sc., M.Phil, Ph.D.	Assoc. Prof. & Head of Dept.
†* Ms. Karuna Gokarn, M.Sc., Ph.D.	Assoc. Professor, Vice Principal (Academics)
* Ms. Aparna Shetye M.Sc., Ph.D.	Asst. Prof.
* Ms. Pampi Chakraborty, M.Sc., Ph.D.	Asst. Prof.
Mr. Kaushik Inamdar, M.Sc.	Asst. Prof. (Ad hoc)
Mr. Alister D'Souza, M.Sc.	Asst. Prof. (Ad hoc)



### 15.2.7 Department of Physics

Mr. Rajesh Singh, M.Sc.	Asst. Prof. & Head of Dept.
* Mr. Ajay Yadav, M.Sc. Ph.D.	Asst. Prof.
* Mr. Rohan Jadhav, M.Sc., Ph.D.	Asst. Prof.
* Ms. Leena Joshi, M.Sc., Ph.D.	Asst. Prof.
†* Mr. Radhekrishna Dubey, M.Sc., Ph.D.	Asst. Prof.
Ms. Katherine Rawlins, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)
Mr. Manojendu Choudhury, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)
Ms. Sarika N. Patil, M.Sc.	Asst. Prof. (Ad hoc)

### 15.2.8 Department of Statistics

* Mr. Saju V. George, M.Sc., M.Phil.	Assoc. Prof. & Head of Dept.
* Ms. S. Annapurna, M.Sc., DCST, DORM, Ph.D.	Assoc. Prof. & Vice Principal (Arts)
* Ms. Piyali Unnikrishnan, M.Sc.	Assoc. Prof.
Mr. Mayur More, M.Sc.	Asst. Prof. (Ad hoc)
Mr. Mangesh Kutekar, M.Sc.	Asst. Prof. (Ad hoc)
Mr. Omkar Thakur, M.Sc.	Asst. Prof. (Ad hoc)

### 15.2.9 Department of Zoology

†* Ms. Madhuri P. Hambarde, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept.
Ms. Pushpa U. Sinkar, M.Sc., Ph.D.	Assoc. Prof.
Mr. Conrad Cabral, M.Sc.	Asst. Prof.
Ms. Sujata Deshpande, M.Sc., Ph.D.	Asst. Prof.
Ms. Sheetal Zend, M.Sc.	Asst. Prof. (Ad hoc)

### 15.2.10 Department of Biotechnology

† Ms. Shiney Peter, M.Sc., Ph.D.	Asst. Prof. & Head of Dept.
Ms. Norine D'Souza, M.Sc.	Asst. Prof.
Ms. Punita Jain, M.Sc., Ph.D.	Asst. Prof. (Ad hoc)

### 15.2.11 Department of Information Technology

Mr. Thomas Roy, M.C.A.	Asst. Prof. & Head of Dept.
Mr. Subhash Kumar, M.C.A., M.Phil.	Asst. Prof.
Ms. Lydia Fernandes, M.Sc.	Asst. Prof.
Mr. Aaron Johns, M.Sc.	Asst. Prof. (Ad hoc)
Mr. Jojan Mathai, M.Sc.(IT), Ph.D.	Asst. Prof. (Ad hoc)

## 15.3 Faculty of Commerce

### 15.3.1 Department of Management Studies

Ms. Soni George Tharakan, B.Sc., Agri. (Hons), MMS	Asst. Prof. & Head of Dept.
Ms. Neelam Shetty, M.Com., PGDBA, M.Phil., Ph.D.	Asst. Prof.
Mr. Pritesh Arte, M.Com., LL.B.	Asst. Prof.



### 15.3.2 Department of Commerce and Accounts

Mr. Rajinder Singh Saluja, M.Sc., M.Phil., LL.M.	Assoc. Prof.
†* Mr. Arvind Dhond, M.Com, M.Phil, MFM, PGDFM, Ph.D.	Professor
* Mr. Sanjay Parab, M.Com, M.Phil, LL.M, FCS, Ph.D	Assoc. Prof. VP (Commerce)
Mr. Kamaji Bokare, M.A., Ph.D.	Assoc. Prof.
* Mr. Jotiram J. Gaikwad, M.A., M.Phil., Ph.D.	Assoc. Prof.
Mr. Navneet Sangha, M.Com, CMA (Inter)	Asst. Prof. (Ad hoc)
Mr. Lloyd Serrao, M.Com., LL.B., A.C.S	Asst. Prof. (Ad hoc)
Mr. Pratik Purohit, M. Com., PGDFM.	Asst. Prof. (Ad hoc)
Mr. Vinayak Thool, M.Com	Asst. Prof. (Ad hoc)

## 15.4 Research Departments

### 15.4.1 Heras Institute of Indian History & Culture

* Ms. Joan Dias, M.A., Ph.D.	Deputy Director
†* Sr. Anila Varghese, M.A., Ph.D.	Research Guide (History)
†* Ms. Sonali Pednekar, M.A., Ph.D.	Research Guide (History)
†* Ms. Anita Rane-Kothare, M.A. Dip. Pali. Ph.D.	Research Guide (AIC)
* Ms. Radha Kumar, M.A., Ph.D	Assoc. Prof. (AIC)
Ms. Shilpa Chheda, M.A.(AIC), M.A.	Secretary and Curator

### 15.4.2 Blatter Herbarium

†* Mr. Rajendra D. Shinde, M.Sc., Ph.D.	Director & Research Guide
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### 15.4.3 CAIUS Research Laboratory for Interdisciplinary Studies

†* Ms. Priya Sundarrajan, M.Sc., Ph.D.	Director & Research Guide
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### 15.4.4 Nadkarny SACASA Research Laboratory

†* Ms. Ashma Aggarwal, M.Sc., Ph.D.	Director
†* Mr. Pralhad Rege, M.Sc., Ph.D.	Research Guide

## 15.5 Department of Inter-Religious Studies

Fr. Keith D'Souza, S.J. , Ph.D.	Director
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## 15.6 Language Laboratory

Ms. Jyoti More, M.A	Instructor
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## 16. Non-Teaching Staff

### 16.1 General Office

1	Mr. Peter D'Monte	Registrar	9	Ms. Flavia D'Mello	Junior Clerk
2	Mr. Achyut B. Joshi	Registrar (Ad hoc)	10	Ms. Shainy O. Lopes	Junior Clerk
3	Ms. Grizel A. Menezes	Stenographer	11	Ms. Delina B. Lopes	Junior Clerk
4	Mr. Ashok G. Rambade	Senior Clerk	12	Ms. Shivali Mayekar	Office Assistant
5	Mr. Bipin B. Patil	Senior Clerk	13.	Ms. Namrata Naik	Office Assistant
6	Mr. Vincent I. Pereira	Senior Clerk	14.	Mr. Suraj Patil	Office Assistant
7	Ms. Supriya R. Saraf	Junior Clerk	15.	Mr. Clinton Patil	Office Assistant
8	Mr. Bharat Hejmadi	Junior Clerk	16.	Mr. Sagar Itur	Office Assistant

### 16.2 Treasure's Office

1	Dr. (Fr.) Conrad Pessa, SJ	Treasurer	7	Mr. Sameer Padrat	Office Assistant
2	Mr. Vijayrao Thapala	Superintendent	8	Ms. Shweta Jadhav	Office Assistant
3	Mr. Dixon F. Colaco	Head Clerk	9	Mr. Rocky Vaz	Office Assistant
4	Mr. Anand Alphanso	Junior Clerk	10	Ms. Snehal Kamat	Office Assistant
5	Mr. David Patil	Junior Clerk	11	Ms. Rutika Gawade	Office Assistant
6	Mr. Ganesh Padrat	Office Assistant			

### 16.3 Library Staff

1	Ms. Sonali Paradkar	I/C Librarian	9	Mr. Lawrence D'Costa	Library Attendant
2	Mr. Vivek Tambe	Assistant Librarian	10	Mr. Julio Pereira	Library Attendant
3	Mr. Adinath Raut	Junior Clerk	11	Mr. Truman Borges	Library Attendant
4	Mr. Jay Thorat	Library Assistant	12	Mr. Kishore C. Chaphe	Library Attendant
5	Mr. Caitano F. Simoes	Library Attendant	13	Mr. Prakash G. Rambade	Library Attendant
6	Mr. Sudhakar Damle	Library Attendant	14	Mr. Deepak S. Chowgule	Library Attendant
7	Mr. Rajaram B. Agre	Library Attendant	15	Mr. Uttam Jadhav	Library Attendant
8	Mr. Peter A. Fernandes	Library Attendant	16	Ms. Aishwarya S. Zeple	Library Attendant

### 16.4 Laboratory Assistants

1	Mr. Prakash Dandge		6.	Mr. Glesson Dias	
2	Mr. Manohar Veliye		7.	Mr. Sanjay S. Karambele	
3	Mr. Elias Joseph Abreo		8.	Mr. Sandeep Kelwadkar	
4	Mr. Gurunath Dhuri		9.	Mr. Ashwin W. Parmar	
5	Mr. Anthony Thomas				



## 16.5 Laboratory Attendants

1 Mr. Subhash A. Kalekar	12. Mr. Agnelo A. Fargose	23. Mr. Kishore Sonavane
2. Mr. Prakash Agre	13. Mr. Jagdish B. Guldekar	24. Mr. David Foss
3. Mr. Sandeep B. Berde	14. Mr. Uddhav E. Patole	25. Mr. Kishor Arbune
4. Mr. Chandrakant Chandurkar	15. Mr. Dayanand Kumbhar	26. Mr. Nitin Lokhande
5. Mr. Melcome R. Abreu	16. Mr. Sandeep P. Pawar	27. Mr. Umesh Chavan
6. Mr. Rajesh N. Athawale	17. Mr. Sandeep Rambade	28. Mr. Avinash Agre
7. Mr. Sanjay S. Geliye	18. Mr. Sandip I. Patil	29. Mr. Bharat Koli
8. Mr. Simon Joseph	19. Mr. Aatish Shirke	30. Mr. Deepak Parit
9. Mr. Iandas Sydney Bangera	20. Mr. Uttam Patil	31. Mr. Santosh Sangale
10. Mr. Sanjay I. Chaudhary	21. Mr. Sachin Bhure	32. Ms. Nikita R. Gawade
11. Mr. Sudhakar D. Kolge	22. Mr. Macfedyan Noronha	

## 16.6 Peons

1 Mr. Sudhakar Gurav	9 Mr. Yogesh Inamdar	17. Mr. Mahadev Sonule
2 Mr. Bajju Solanki	10 Mr. Yogesh M. Gade (Comm.)	18. Mr. Prabhanjan Gite
3 Mr. Cajetan Fernandes	11 Mr. Amol Lohar	19. Mr. Vipin Prakash Nam
4 Mr. Prakash S. Chougule	12. Mr. Vaibhav Patil	20. Mr. Gangaram Savant
5 Mr. Arun Jadhav	13. Mr. Uday Mane	21. Mr. Siddhesh Pilke (Comm.)
6 Mr. Devid S. Ghadge	14. Mr. Uttam Ghatkar	
7 Mr. Kevin N. D'Souza	15. Mr. Rajan Gurav	
8 Mr. Avitkumar Mangale	16. Mr. Shishir Khedekar	

## 16.7 Multi-Media Operators/Technicians

1 Mr. Deb Shankar Das	2 Mr. Francis Kadam	3 Mr. Dinesh Mohite
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## 16.8 Examination Centre

1 Ms. Saima Khan	Dy. College Controller of Examination
2 Ms. Fiona R. Crasto	Junior Clerk
3 Ms. Amrapali Jadhav	Office Assistant

## 16.9 Knowledge Centre

1 Fr. Fabian Barreto S.J.	Director	5 Mr. Swapnil Bagwe	Technical Assistant
2 Mr. Martin Fernandez	IT Administrator	6 Mr. Yogendra Mohite	Technical Assistant
3 Ms. Khyati Bhora	Web Designer	7 Mr. Mayur Agre	Peon
4 Ms. Nilam S. Jadhav	Office Assistant		

## 16.10 Campus Maintenance Staff

1 Mr. Alvin Mendonsa	Administrator
2 Mr. Santosh Chavan	Office Attendant
3 Ms. Sunita Misquitta	Telephone Operator-Cum-Receptionist
4 Mr. Karan Bahadur	Support Staff
5 Mr. Ravindra Yadav	Support Staff
6 Mr. Kamal Maji	Peon
7 Mr. Sanjay Sawant	Electrician
8 Mr. Narayan Rambade	Gardener
9 Mr. Pravin Waghela	Peon
10 Mr. Martin Waghela	Peon
11 Mr. George Kudel	Carpenter
12 Mr. Bathol Fernandes	Carpenter





## 16.11 Research Laboratory Support Staff

1	Mr. Pravin Kale	Asst. Curator-Blatter Herbarium
2	Mr. Prashant Manchekar	Attendant, Caius Lab.
3	Mr. Rajesh Mahadik	Attendant, Biotechnology Lab.
4	Mr. Melvin Fernandes	Maintenance Engineer
5	Ms. Janhavi Jadhav	Assistant - Blatter Herbarium

## 16.12 Social Involvement Programme Staff

1	Dr. Agnelo Menezes	Coordinator
2	Ms. Jenipher D'Souza	Social Worker
3	Ms. Roshen Thomas	Social Worker

## 16.13 Hostel

1	Dr. Agnelo Menezes	Hostel Management Representative
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## 16.14 Heras

1	Mr. Shannon Mendonca	Asst. Librarian
2	Mr. Roshan D'Souza	Peon

## 16.15 XRCVC and Inclusion Centre

1	Dr. Sam Taraporevala	Executive Director
2	Mr. Ketan Kothari	Managing Consultant (Programs)
3	Mr. Krishna Warriar	Lead Consultant – Awareness (Advocacy)
4	Ms. Disha Kapadia Chinchwadkar	Lead Consultant – Awareness
5	Mr. Aniket Gupta	Executive Asst. & Manager (Admin & Fin)
6	Mr. Sushil Pandit	Sr. Consultant -Technology
7	Mr. Keshavan Nadar	Sr. Consultant -Technology
8	Mr. Vikas Dabholkar	Consultant - Technology
9	Ms. Poonam Deokar	Sr. Consultant - Education
10	Ms. Shizanne D'mello	Sr. Consultant – Education
11	Dr. Kasturi Arun Kulkarni	Sr. Consultant – Education
12	Mr. Manoj P Rajvadiya	Support Staff

## 16.16 Indian Music Group

1	Ms. Luiza Albuquerque	Office Assistant
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## 16.17 Xavier's Development Programme

1	Dr. (Fr.) Keith D'Souza SJ	Director
2	Mr. Dominic D'Souza	Manager

## 16.18 Documentation Centre

1.	Mr. Parag Thinge	Documentation Office
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# 17. General Rules & Quality Mechanisms

## 17.1 Introduction

For St. Xavier's College, like any other Jesuit Institution, discipline goes beyond the mere adherence to rules and regulations. Discipline is looked upon to inculcate into one's being the spirit of integrity and academic honesty, respect for the dignity and rights of individuals, and deference for public and personal property. The College Discipline Committee (CDC) along with every Staff member of the College is expected to contribute to the cultivation of such a disciplined spirit within the campus. Thus, staff members, on noticing disciplinary infringements, are authorized to intervene and take appropriate action in consultation with the CDC and ultimately the Principal. To ensure such a discipline environment the College has put in place Rules & Regulations.

## 17.2 Regulations on RAGGING and SUBSTANCE Abuse

**17.2.1** Ragging, of whatever kind, is strictly forbidden and will result in the dismissal of the student who rags, even if the act is committed outside the college campus. As per a Supreme Court order dated May 2007, the College authorities may also file an F.I.R. with the police, if a case of ragging is reported/detected.

**17.2.2** The possession and/or consumption of drugs, cigarettes, or alcohol on campus will lead to immediate suspension or dismissal of that student - at the discretion of the Principal. Physical violence also attracts the same penalty. In both cases, the College may file an F.I.R. with the police.

## 17.3 College Identity Card (IDC)

**17.3.1** Every student of this College is required to display the College issued IDC at the point of entry and whenever on the college campus.

**17.3.2** The Principal or any of the Vice-Principals will levy a fine of ₹. 100 (which will go towards the Students' Beneficiary Fund - SBF) on any student who is found without the IDC being aptly displayed, when on the campus.

**17.3.3** The use of the IDC of another student and the lending of an IDC to another is unacceptable and will attract suspension from College.

**17.3.4** If the College issued IDC is lost, the student is expected to register the loss with the Mumbai Police. Only against the Police Certificate will the student be issued a temporary IDC (for 15 days). After the lapse of 15 days, a proper duplicate IDC will be issued (provided that there are more than 2 months of the concerned academic year still remaining). The student would have to pay to get the temporary IDC (₹. 100) as well as the duplicate IDC (₹. 500) – this money will go towards the SBF.

## 17.4 Use of Facilities

### 17.4.1 Decorum in the Academic Environs

**17.4.1.1** Students should not disturb ongoing lectures if they arrive early for their lecture or while walking in the corridors when lectures are on, or while they await the lecturer in the classroom.

**17.4.1.2** Maintenance of classroom cleanliness is the responsibility of students who occupy those spaces. They are expected to inform the College Administrative Office if the classroom was untidy when they entered it.



**17.4.1.3** Switching off the classroom lights and fans when not in use is a good green practice that all classroom users should follow.

**17.4.2** In the College Laboratories students are expected to closely follow the instructions of the Staff-in-Charge. Strict action will be taken against those who flout the Laboratory Rules.

**17.4.3** The Class Notice-Boards / College Website must be visited by every student on every working day to check for notices and updates. The onus of updating one's self vis-à-vis the notices rests on the students.

**17.4.4** In the Canteen, students are expected to return the used plates and cutlery to the basket kept for that purpose. Similarly, used paper cups and plates and empty packets and bottles should be dumped into the (Red colored) bins kept for that purpose. Keeping the Canteen clean and tidy (and so hygienic) is also the responsibility of the students. Wasting food should be absolutely avoided.

**17.4.5** Spaces for the Consumption of Eatables and Beverages are limited to the Canteen, the 'Woods', and the Students' Common Rooms. This is needed to ensure that ants, rats, and other pests are not attracted to the academic and administrative spaces of the campus. This would not only render the campus safe and healthy but also clean and tidy.

**17.4.6** The College Gym is available to all students during the time announced by the Sports Director. Those using the gym facilities are urged to use them properly. Eatables are prohibited in the gym. Students are encouraged to participate in the various sports tournaments that the college organises. The College Library is a place of study and research. Refer to 17.13 for the Library Rules.

**17.4.7** Students' Common Rooms must be kept tidy so as to be pleasant to be in. The Students' Lockers have to be hired through the Treasurer's Office and then used appropriately and handled with care. The Common Rooms are kept closed on Sundays and holidays.

**17.4.8** Toilets are expected to be used in a hygienic manner. Users are expected to shut the taps after use as well as if they find them left open or dripping. It would save an important natural resource if such leakages were reported to the College Infrastructure Committee or Administrative Office.

## 17.5 Use of Unfair Means at Exams

If a student is detected using unfair means or is found in possession of a mobile/electronic gadget or is found within reach of material pertaining to the test/exam, then the student will have to face the Unfair Means Committee constituted by the College. If the Committee finds the individual guilty, students will be given zero marks for that specific course or for all the exams of the concerned semester. Even those found abetting such behaviour will be given a similar penalty. Also, refer to 17.6.4.

## 17.6 Mobile Phones and Other Electronic Gadgets

**17.6.1** The use of mobile phones and other electronic gadgets for any purpose during lectures and practicals is not allowed unless the lecturer has permitted the use of such gadgets for the lecture/discussion.

**17.6.2** It is advisable that during lectures, such gadgets are kept in one's bag/pocket and not on/in the desk - this would minimise the possibility of losing these gadgets. If a student is found using these gadgets during lectures his/her IDC is confiscated and given to the Principal/Vice-Principal for further action (including a fine of ₹100/infringement).

**17.6.3** If a student reports the loss of such gadgets on campus, that student would be advised to file a case of theft with the Police. However, if a lost gadget is found and given to the Principal, then the student would have to pay a fine (₹100) to get repossession of that item.

**17.6.4** Students cannot wear smartwatches during any examination. If a student is found with any electronic gadget (except a non-programmable calculator) during an examination, a student will be immediately reported. However, a student will be given a new answer booklet and permitted to continue with the said exam. Subsequently, the student will be required to appear before the Unfair Means Committee of the College.

## 17.7 College/Department Fests/Programmes

College/Department Fests/Programmes have to be organised and executed under the supervision of either the Staff Committee appointed by the Principal or a faculty from the concerned department. The Principal must be



kept informed about the content of these activities.

## 17.8 Women Students

Women Students should not remain on the College premises after 9.00 p.m. unless they are attending evening courses in the Commerce Section or in the other Institutes on campus or have explicit permission from the Principal to do so.

## 17.9 The Right to Dissent and Right to Resolve Conflict

The Right to Dissent and Right to Resolve Conflict through discussion and reason are acceptable means of protest. All protests should be routed through the Students' Council and should be governed by the Constitution of that Council. It is the Principal who ultimately decides if a protest flouts the College discipline.

## 17.10 Dress Code

Students are expected to wear clothes that contribute to the academic atmosphere necessary on an Indian College Campus. Accordingly, sleeveless or short tops, as well as short dresses, shorts & ripped jeans are considered inappropriate.

## 17.11 Class Picnics

Class Picnics or outings are not permitted by the College at all. Parents are therefore warned that the College authorities do not assume any responsibility for picnics or outings organised by students on their own or by teachers in their personal capacity.

## 17.12 Undertakings

At the time of admission, every student signs a declaration, on his/her Admission Form, that he /she will abide by all the Rules and Regulations of the College and will accept the decision of the Principal, in all matters, as final. He / She will also give an undertaking to accept the College Rules under Autonomy.

## 17.13 Library Rules

**17.13.1** The College Library is open from 9.00 a.m. to 8.00 p.m. (Monday through Friday) and from 9.00 a.m. to 5.00 p.m. (Saturday) during the term. Vacation timings are different.

**17.13.2** While making use of the Library, students are required to wear their identity card on their person at all times.

**17.13.3** All library services are provided only against valid Library Cards. Students are required to report the loss of a book immediately to the Librarian in writing.

**17.13.4** No books or periodicals can be removed from the Library unless the loan has been registered at the Loan Counter.

**17.13.5** Readers must, on receiving a book, examine it, and report to the Library Assistant any damage found therein. If they fail to do so, they will be held responsible for any damage that may be detected later by the Library authorities.

**17.13.6** Books lost, damaged, or defaced, must be paid for by the reader on whose the name they were issued. The value of the books will be determined by the Librarian.

**17.13.7** All loans must be returned by the due date (or time). Overdue charges will be imposed on all books not returned in time. Students who repeatedly fail to return books on time may be denied the use of the Library's Lending Facility.

**17.13.8** All books must be returned on or before the last date of the academic year or the last date of the examination of the student, whichever is later.



**17.13.8.1** Students, who fail to return books borrowed from the Library at least one week prior to the declaration of results, will be declared as 'Library Defaulters' and their results will be withheld until they get clearance from the Library.

**17.13.8.2** The Librarian reserves the right to recall any book or periodical at any time.

**17.13.8.3** To ensure that the Library is kept tidy all the time, furniture must not be re-arranged and must be used only for its proper purpose.

**17.13.8.4** Eating and drinking of beverages is forbidden in the Library.

**17.13.8.5** For library access as visitors, please contact the College Librarian.

**17.13.8.6** Silence should be observed in the Library at all times.

**17.13.8.7** Disregard of Library Rules, indiscipline and misbehaviour will render students liable to be refused access to the Library altogether.

## 17.14 Quality Mechanisms and Best Practices

**17.14.1** St Xavier's College, over the years and especially under autonomy, has developed and adopted certain quality mechanisms and best practices to enhance teaching-learning processes and bench-mark them to global academic standards. Following are highlights of the Best Practices of the College:

**17.14.1.1** Annual syllabi review as well as the Question Papers (CIAs and ESE) is undertaken by the Department Faculty and its External Experts from the Board of Studies.

**17.14.1.2** The use of ICT in the teaching-learning process with the use of LCD facilities in all classrooms is encouraged.

**17.14.1.3** To make the lectures participative, the use of the Constructionist Ideology of Education and not the Banking Philosophy of Education is followed.

**17.14.1.4** Special efforts are undertaken at Inclusive Education through the XRCVC, a disabled-friendly campus, sensitisation of faculty to the needs of slow learners, and scholarships for the disadvantaged through the Student Beneficiary Fund. Study packs of essential readings, drawn from different sources are created, to cover the syllabus along with guided and critical study of these and further reference work.

**17.14.1.5** A 3-credit Cross Faculty Course is made obligatory for all students so as to encourage interdisciplinary learning.

**17.14.1.6** The use of Bloom's Taxonomy to evaluate Learning Objectives for the Teaching - Learning Process and for Question Paper Setting is practiced.

**17.14.1.7** To ensure objective criteria for assessment, pre-announced Presentation / Assignment Evaluation Grids are used.

**17.14.1.8** To ensure fairness in assessment Barcoding/Masking of Answer Papers before the assessment process begins is followed. Moderation of assessed papers through External Examiners or Double-Blind Evaluation is also practiced.

**17.14.1.9** To offer feedback to students on their performance their assessed answer papers are displayed to them. Students are also allowed to have a photocopy of the assessed answer paper and/or challenge the evaluation of the assessed paper through the proper procedure.

**17.14.1.10** To get regular student feedback about faculty on the teaching-learning process the Teacher Assessment Questionnaire (TAQ) is administered.

**17.14.1.11** To enable new faculty to settle in-house orientation programmes for them are organized and they are also offered Faculty-Mentorship as well as sit-ins during their lectures by the HoD.

## 17.15 Enquiry and Project Based Learning Processes

**17.15.1** The Honours Programme (HP) is conducted for academically better students. The HP consists of 7 extra credits, earned over the 3 years, including an introduction to research. Relevant courses are also conducted under the Learning for Life Programme.

**17.15.2** Field Trips, industrial visits, and guest lectures are organised to make academics more experiential, and inquiry-based. Students are encouraged to take up Summer Internships / Projects so as to experience



industry and corporate entities in the real world.

**17.15.3** Annual Department Seminars (usually at the College Khandala Villa) are organized to help students build up their confidence and skills at making academic presentations.

**17.15.4** Annual thematic Department Journals are published containing students' articles. This helps in exposing students to writing research papers and even handling editorial tasks.

**17.15.5** Regular Faculty Seminars and Workshops are organised to upgrade the pedagogical skills of the Faculty and thus help them to evolve better methods and processes of teaching and learning.

**17.15.6** To support research among Faculty, the College offers them help in applying for State, Central Government, UGC, and University funding for Minor and Major Research Projects. Faculty members are also encouraged to participate in Conferences and to serve as Resource Persons in other institutions.

**17.15.7** Infrastructural support in the form of research facilities like the Heras Institute, Blatter Herbarium, NSRL, and Caius are made available to faculty members.

**17.15.8** The practice of following Laboratory-Safety Guidelines as well as Biosafety Guidelines for Microbiological work in the College is obligatory. The latter Guidelines have been compiled by the Dept. of Microbiology and passed through the Bioscience Faculty involved in research and the members of the Institutional Biosafety Committee (IBSC) of the college.

**17.15.9** The College publishes 'Xplore', the annual peer-reviewed Research Journal by the Faculty in order to promote the research culture among faculty members.

## 17.16 Soft Skill Development and Collateral Programmes

**17.16.1** The mandatory Social Involvement Programme exposes students to social realities hereby provoke in them a consciousness to serve society.

**17.16.2** Language and Soft-Skills are developed through the Language Lab, the special communication skills courses, presentations as part of CIA, and through participation in extracurricular activities.

**17.16.3** The College has a Counselling Centre for Aptitude Testing, Career Guidance, and for Personal Counselling of students and parents.

**17.16.4** Students are mentored by Faculty, in the groups assigned to each of the faculty members.

**17.16.5** The Placement Cell of the College trains students in the soft skills needed for applications and interviews and facilitates interaction with the corporate world for internships and final placements.

**17.16.6** International programmes are offered to expand the horizons of the Faculty and Students. By admitting foreign students to courses on the Campus cultural diversity is enhanced. Parent interactions are encouraged on a routine basis (through the Internet or personally) or at the annual Parent-Teacher Meeting.

## 17.17 Annual Theme

The theme for 2023-24 is "Metamorphosis: Embracing the New Education Horizon." Education is undergoing a profound transformation, reshaping how we learn and teach. The traditional classroom and linear curriculum are yielding to an innovative, flexible, technology-driven education horizon. The key factors are Technology Integration, Personalised Learning, Lifelong Learning, Global Perspective, Skills Emphasis, and Blended Learning. By embracing technology, innovation, and adaptable teaching, the education horizon's full potential unlocks, empowering individuals in a dynamic world. This metamorphosis promises a brighter educational future.

At St. Xavier's College, the curriculum set at UG/ PG level, is articulated to synthesise the view. The education imparted and ingrained must support the ever-learning spirit of the up-skilling, new generation including teaching fraternity. At St. Xavier's College, Mumbai being forefront to Jesuit philosophy, every attempt is made to fine-tune - new learning, to adapt to the changing requirements of the world. We believe that education should not be limited only to the old way of thinking and cramming but transform thinking ideology.

From this year 2023-24 St. Xavier's College, Mumbai has implemented the NEP- 2020 with its requirements of multiple exit points, inter-disciplinary courses, choice of electives, emphasis on Indian Knowledge Systems, etc.





# 18. Academic Calendar 2023-24

## 18.1 Odd Semester

### June 2023



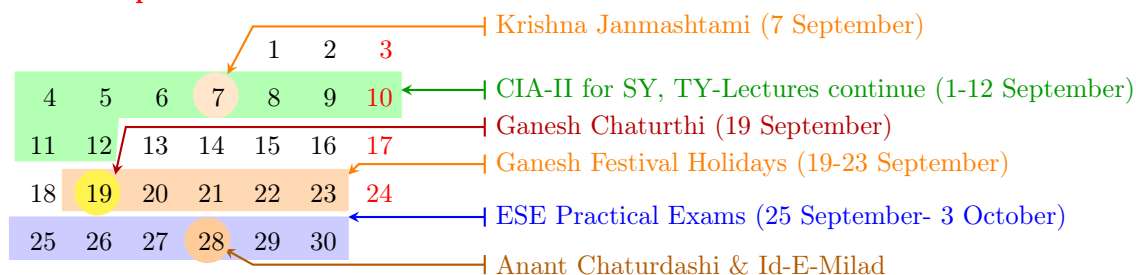
### July 2023

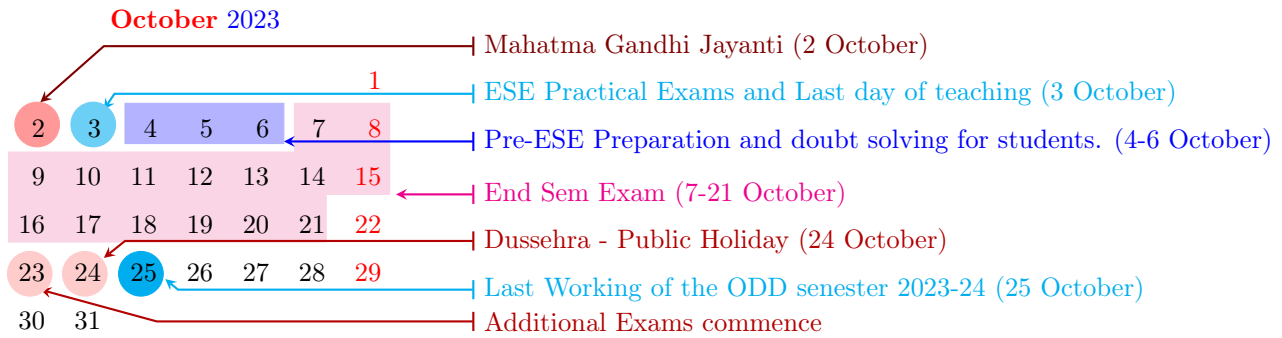


### August 2023



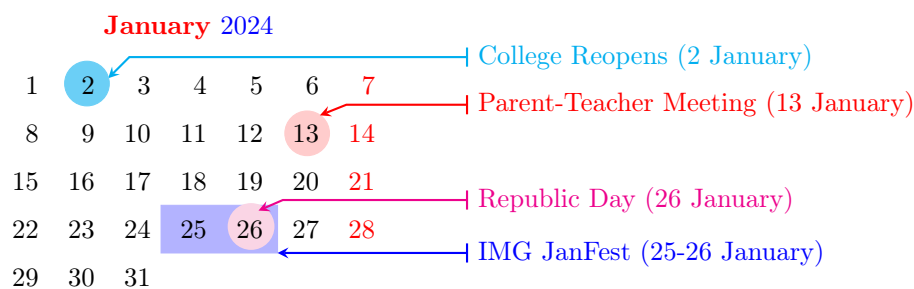
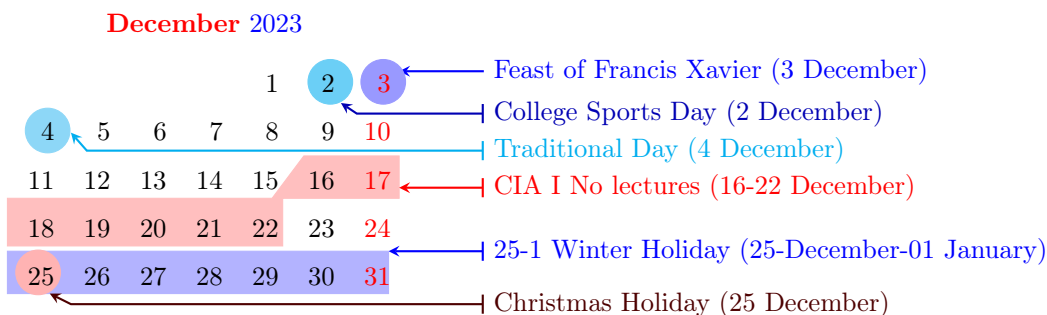
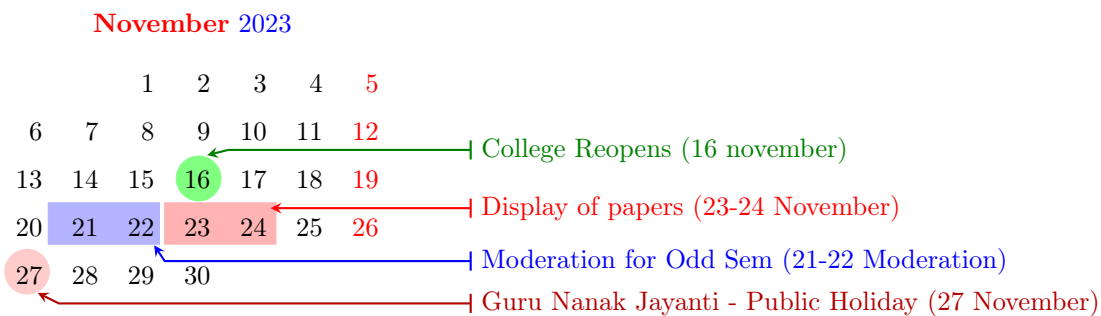
### September 2023





## Diwali Vacation

### 18.2 Even Semester

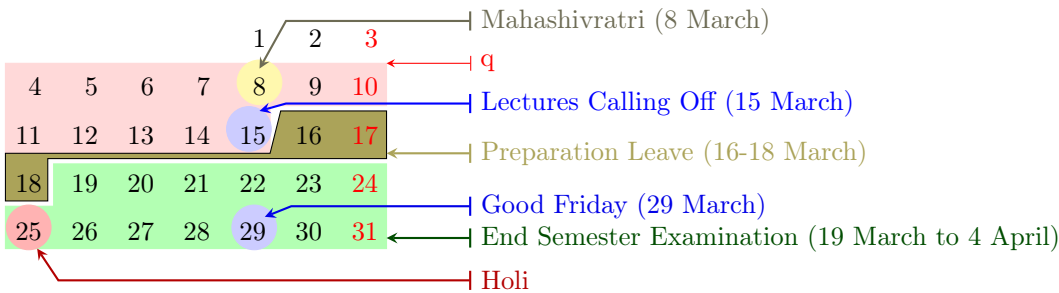




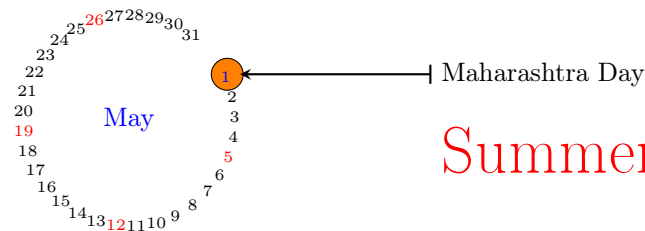
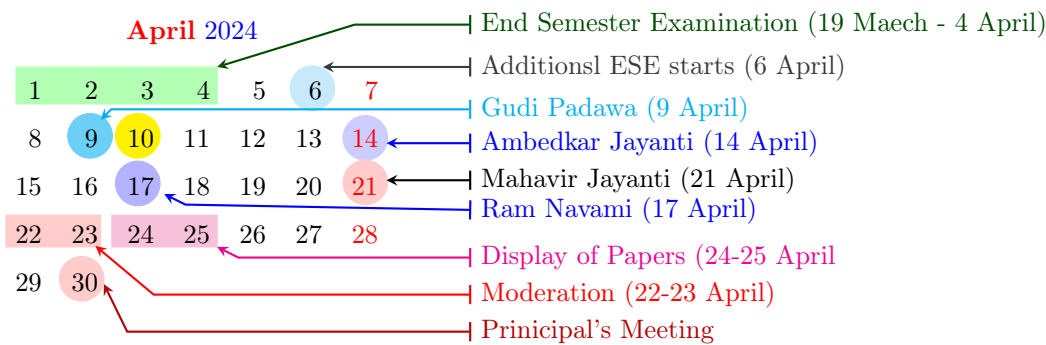
**February 2024**



**March 2024**



**April 2024**



**Summer Vacation**

\*\*\*\*FY Orientation dates are SUBJECT TO CHANGE AS PER THE GOVT NOTIFICATION AND ADMISSION COMPLETION after CBSC and ISC results. FOR FINAL ORIENTATION DATES: Please check the website regularly.

The calendar is tentative. The college reserves the right to change the schedule without any prior notice. Exams may get postponed due to unforeseen circumstances, unexpected calamities, public protests, strikes etc. You are advised to plan your vacation, keeping such unscheduled and unexpected postponements. The college does not take any responsibility for such delays/postponements.

12 June 2023 Principal



## 19. College Student Achievers 2022-23

Bachelor of Arts (Single Major)		
1	AICHA	Hridaya Vaidya
2	Economics	Shamvavi Kumar
3	English	Sakshi Nadkarni
4	History	Amaan Bakhsh
5	Political Science	Parth Suri
6	Psychology	Jasmine Chaina
7	Sociology	Shafeen Shikalgar
8	BA(MCJ) Journalism	Rutuja Gaidhani
9	BA(MCJ) Advertising	Amatulla Batterywala

Bachelor of Arts (Double Major)		
1	Conomics-Commerce	Ria Shukla
2	Economics-Sociology	Maitreyee Ambedkar
3	Economics- Statistics	Tisha Shah
4	Psychology- Anthropology	Riya Dedhia
5	Psychology-Sociology	Mehek Andrade
6	Sociology-Anthropology	Anicce Crasto
7	Psychology-English	Diya Lilani

Bachelor of Science		
1	Botany-Zoology	Aloysious D'Souza
2	Chemistry	Diya Bose
3	Geology	Angana Muzumdar
4	Life Science	Juhi Shaikh
5	Life Science-Biotechnology	Anirudh Sharma
6	Biochemistry	Anirudh Sharma
7	Mathematics	Bhoris Dhanjal
8	Microbiology -Biotechnology	Adeeba Sayyed
9	Physics	Prachit Phanse
10	Statistics	Anjali Warriar
11	Zoology -Biochemistry	Khushi Chhibber
12	Information Technology	Elisha Cherian

**Bachelor of Commerce or Management**

1	Commerce	Diya Jain
2	Management Studies	Aakarsh Nair

**Post Graduate in Arts**

1	AICHA (MA)	Sanjana Rao
2	Psychology (MA)	Vedika Khanna
3	Public Policy (MA)	Neeti Govil

**Post Graduate in Sciences**

1	Biotechnology (M Sc)	Ronit Jain
2	Physics (M Sc)	Vidhi Tailor
3	Big Data Analysis (M Sc)	Yashika
4	Geology (M Sc)	Yashodhara Ganguly
5	Life Science (M Sc)	Kenneth Pinto
6	Microbiology (M Sc)	Piyush Jire
7	Votany (M Sc)	Aqsa Majgaonkar