St. Xavier's College, Mumbai - 400 001

(Empowered Autonomous Institute)

(Established in 1869)

UGC - "College of Excellence"

NAAC Accredited A^+ | NIRF Ranked

HANDBOOK 2026-27

www.xaviers.edu

Student Etiquette and Code of Conduct

Let Respect, Responsibility, and Right Conduct Define You. Your conduct on campus reflects your values and contributes to a positive academic environment. Uphold the Xavierite spirit by choosing respect, accountability, and excellence in every interaction. Failure to adhere to the following code will result in disciplinary action wherever necessary.

1. **General Behaviour on Campus** All students are expected to demonstrate civic sense, integrity, and moral responsibility as Xavierite both on and off campus.
   - Cultivate good manners - "Manners maketh a good individual."
   - Maintain a respectful attitude toward peers, faculty, and staff.
   - Use respectful and appropriate language. Abusive or derogatory speech is strictly prohibited.
   - Ragging in any form is banned. Offenders will be rusticated and permanently debarred from campus.
   - Possession or use of alcohol and drugs is strictly forbidden. Violators will face rustication/permanent debarment.
2. **Respectful Interaction with Faculty and Staff**
   - Always speak politely and respectfully to professors and college staff. Raise academic doubts respectfully. Say Do not disrupt lectures or engage in unruly behaviour.
   - If your ID card is requested by a staff member, submit it without argument. In cases of misconduct, the card will be handed to college authorities. You may present your case to them for review.
   - Approach appropriate authorities for any academic or administrative concerns. The college is here to support your growth.
3. **Campus/Classroom Etiquette**
   - Wearing your valid College ID card is always mandatory. A fine of ₹200 will be levied for each instance of not carrying or displaying the I-Card. Identity cards that have been confiscated for disciplinary reasons must be collected immediately after payment of a fine of ₹200 at the Treasurer's Office. Failure to collect the identity card promptly will result in an additional fine of ₹50 for each day of delay.
   - Repeated violations will attract further disciplinary action as per college regulations.
   - The use of mobile phones in classrooms is strictly prohibited. Fines may be imposed for violations.
   - Eating in classrooms is not allowed. It attracts pests and compromises hygiene.
4. **Campus Movement and Shared Spaces**
   - Maintain silence and discipline in corridors to avoid disturbing ongoing classes.
   - The chapel must be treated as a sacred space for prayer and quiet reflection. Gossip or misconduct will invite strict disciplinary action.
   - Use staircases unless medical conditions necessitate use of staff elevators. Prior written permission is required for exceptions.
   - Always switch off lights and fans if you see an unoccupied room or are the last to leave a space.
5. **Cleanliness and Environmental Responsibility**
   - Dispose of waste properly using designated bins. Littering is a punishable offense.
   - Be mindful of cleanliness in shared areas including classrooms, labs, and restrooms.
6. **Laboratory and Equipment Use**
   - Handle all laboratory and computer equipment with care.
   - Return materials to their designated locations after use.
   - Computer labs are under CCTV surveillance. The misuse of or damages to equipment will invite fine.
7. **Dress-Code:** Students on campus wearing sleeveless or short tops, as well as short dresses, shorts, short-cropped tops & ripped jeans are considered inappropriate. The defaulters are to be sent home.
8. **Seeking Help or Information:** For any concerns related to schedules, examinations, doubts, or other issues, approach the appropriate college authorities. They are there to help you.
9. **Legal Consequences of Creating Fake Accounts or Defaming Educational Institutions:** Creating fake social media accounts or posting defamatory content about a college is a punishable offence under Indian law. Key legal provisions include:
   - Sec 66C, IT Act - Identity theft (e.g. misuse of name/logo): Penalty up to 3 years' jail + ₹1 lakh fine.
   - Sec 67, IT Act - Sharing obscene/offensive content online: Penalty up to 3 years' jail + ₹5 lakh fine
   - Sec 500, IPC/356(2) - Defamation of an individual or institution: Penalty up to 2 years' jail, fine, or both
   - Sec 505 (2)/353(2), IPC - Promoting enmity or ill-will: Penalty up to 3 years' jail, fine, or both

   Note: Deleting such content later does not absolve liability. Institutions can file police or cybercrime complaints against offenders.

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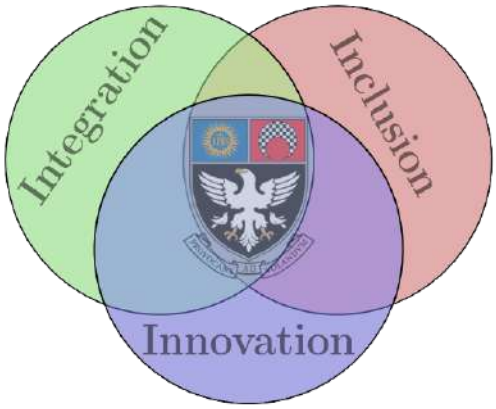
1. College Governance

College Vision - Mission Statement

Celebrating over 155 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 marginalised and disadvantaged
5. Strategising to protect the natural environment

Table 1.1: Governing Body

1.1 Governing Body: The Bombay St. Xavier's College Society

1. Fr Anil Pereira, SJ - - - - - Provincial, Chairperson and Trustee
2. Dr Fr Keith D'Souza, SJ - - - - - Rector, Vice Chairperson and Trustee
3. Dr Fr Conrad Pesso, SJ - - - - - Secretary and Treasurer of the Trust
4. Dr Fr John Rose Santiago, SJ - - - - - Trustee
5. Dr Fr Arul John Bosco, SJ - - - - - Trustee
6. Fr. Ambrose Machado, SJ - - - - - Trustee

Table 1.2: Governing Body of the College (Under Autonomy)

1.2 Governing Body of the College (Under Autonomy)

1. Dr Fr Keith D'Souza SJ - - - - - Chairperson
2. Dr Fr Conrad Pesso SJ - - - - - Management Representative
3. Dr Vinayak Dalvi - - - - - Management Representative
4. Dr Fr Arul Bosco SJ - - - - - Management Representative
5. Justice Gautam Patel - - - - - Management Representative
6. Prof Ms Anushree Lokur - - - - - Vice Chancellor's Nominee
7. Joint Director (Higher Education) - - - - - Government Representative
8. Prof Dr Ms Priya Sundarrajan - - - - - IQAC Director
9. Dr Bobby P Mathew - - - - - Vice Principal (Academics)
10. Mr. Anand Alphanso - - - - - Senior Administrative Staff
11. Prof Suresh Paul - - - - - Educationist
12. Prof Dr Karuna Gokarn, Principal - - - - - Ex-Officio Secretary

Table 1.3: Finance Committee

1.3 Finance Committee

1. Dr Fr Conrad Pesso SJ - - - - - College Treasurer
2. Prof Dr Karuna Gokarn - - - - - Chairperson
3. Mr. Marazban Kotwal - - - - - Faculty
4. Dr. Bobby Mathew - - - - - Faculty
5. Ms Snehal Kamat - - - - - Office Assistant

Table 1.4: College Development Committee (CDC)

1.4 College Development Committee (CDC)

1. Dr Fr Keith D'Souza SJ - Chairperson of the Management
2. Dr Fr Conrad Pesso SJ - Secretary of the Management
3. Prof Dr Karuna Gokarn - I/C Principal (Member Secretary)
4. Ms Alpana Palkhiwale - Nominated HoD
5. Dr Lidwin Dias - Educationist
6. Mr Vinay Pinto - Industry Expert
7. Mr Pranil Naik - Social Worker
8. Prof Dr Ms Priya Sundarrajan - IQAC Director & Elected Teacher
9. Dr Ms Sangeeta Shetty - Elected Teacher
10. Fr Vivian Almeida SJ - Elected Teacher
11. Mr Anthony Thomas - Elected Non-Teaching Staff
12. Chairperson of SUC - Student Representative

Table 1.5: Internal Quality Assurance Cell (IQAC)

1.5 Internal Quality Assurance Cell (IQAC)

1. Prof Dr Karuna Gokarn (I/C Principal) - Chairperson
2. Dr Fr Keith D'Souza SJ (Rector) - Management Representative
3. Prof Dr Ms Priya Sundarrajan - IQAC Director
4. Prof Dr Mala Pandurang - Academician
5. Prof Dr Vilas Gaikar - Academician
6. Prof Dr Krutika Desai - Academician
7. Ms Shaheen Mistry - Social Sector Expert, CEO Teach for India
8. Dr Fr Arul John Bosco - Director Self-Financed Courses
9. Dr Bobby P Mathew - Vice Principal (Academics)
10. Ms Alpana Palkhiwale - Vice Principal (Arts)
11. Mr Marazban S. Kotval - Vice Principal (Science)
12. Dr Neelam Shetty - Vice Principal (Commerce)
13. Dr Jotiram Gaikwad - Controller of Examinations
14. Dr Abhilasha Jain - Faculty Representative
15. Dr Binoj Kutty - Faculty Representative
16. Dr Sangeeta Shetty - Faculty Representative
17. Dr Leena Joshi - Faculty Representative
18. Dr Kamaji Bokare - Faculty Representative
19. Ms Piyali Unnikrishnan - Faculty Representative
20. Dr Ashok Bingi - Faculty Representative
21. Ms Soni George - Faculty Representative
22. Dr Aparna Kulkarni - Faculty Representative
23. Ms Harsheeta Lad - SUC General Secretary
24. Mr Peter D'Monte - Registrar

Table 1.6: Academic Council

1.6 Academic Council

1. I/C Principal Prof Dr Karuna Gokarn - Chairperson
2. Dr Bobby P Mathew - Member Secretary
3. Prin Madhav Rajvade - University Nominee
4. Prin. Vinita Pimpale - University Nominee
5. Dr Anil Markanday - University Nominee
6. "Prof. Ashwini Karwande - GB Nominee; Education
7. Dr Gautam Bhansali - GB Nominee; Medicine
8. Dr Soumyajit Mukherjee - GB Nominee; Research
9. Dr Vinayak Deshpande - GB Nominee; Industry
10. Mr Kishu Daswani - GB Nominee; Law
11. Dr Jotiram Gaikwad - Controller of Examinations
12. Prof Dr Ms Priya Sundarrajan - IQAC Director & Nominated Faculty
13. Dr Ms Radha Kumar - AIHCA
14. Dr Suvaiba Pirani - Commerce (Arts)
15. Ms Manali Pawar - Economics
16. Dr Prasita Mukherjee - English
17. Ms Alpana Palkhiwale - French
18. Dr Preeti - Hindi
19. Dr Avkash Jadhav - History
20. Ms Akshara Pathak Jadhav - Mass Communication and Journalism
21. Dr Pratiba Naitthani - Political Science
22. Ms Linda Dhakul - Psychology
23. Dr Agnelo Menezes - Public Policy
24. Ms Ankita Gujar - Sociology & Anthropology
25. Mr Ashwath Bharath - Transformational Leadership
26. Mr Alok Gude - Botany
27. Dr Norine D'Souza - Biotechnology
28. Dr Ashma Agrawal - Chemistry
29. Dr Bobby Mathew - Geology
30. Mr Subhash Kumar - Information Technology
31. Dr Priya Sundarrajan - Lifescience & Biochemistry
32. Dr Ashok Bingi - Mathematics
33. Dr Aparna Shety - Microbiology
34. Dr Ajay Yadav - Physics
35. Dr Annapurna S - Statistics
36. Mr Conrad Cabral - Zoology
37. Dr Sanjay Parab - Commerce and Accounts
38. Fr. Ambrose Machado, SJ - Accounting & Finance
39. Mr Pritesh Arte - Management Studies
40. Ms Sandra Kaushik Rana - Dean, Xavier Institute of Communication
41. Mr. Marazban Kotwal - VP Science
42. Dr Neelam Shetty - VP Commerce
43. Dr. Radhika Tendulkar - Convenor, Student Placements and Internships

Table 1.7: College Administration and Services

1.7 College Administration and Services

1. Principal (In-Charge) - Prof Dr Ms Karuna Gokarn
2. Vice-Principal (Academics) - Dr Bobby P. Mathew
3. Vice-Principal (Arts) - Ms Alpana Palkhiwale
4. Vice-Principal (Science) - Mr Marazaban Kotwal
5. Vice-Principal (Commerce) - Dr Neelam Shetty
6. Controller of Examinations - Dr Jotiram Gaikwad
7. Registrar - Mr Peter D'Monte
8. College and Trust Treasurer - Dr Fr Conrad Pesso SJ
9. I/C Librarian - Ms Sonali Paradkar
10. Director, Sports - Dr Thomas Pires
11. Director, Wellness Centre - Fr Francis de Melo SJ
12. Student Counsellor - Dr Nirmala Almeida
13. Director, S.S.L. - Fr Vivian Almeida SJ
14. Director, International Programmes - Dr Sangeeta Shetty
15. Director, Heras - Dr Fr Keith D'Souza SJ
16. Director, Knowledge Centre - Fr F. Barreto. SJ
17. Director, X.D.P. - Dr Fr Keith D'Souza, SJ
18. Director, D.I.R.S. - Dr Fr Keith D'Souza SJ
19. Language Lab-in-Charge - Ms Jyoti More
20. Administrative Officer - Mr Alvin Mendonsa
21. Hostel - Management Representative - Dr Agnelo Menezes

Table 1.8: College Address

1.8 College Address

The Principal
St. Xavier's College,
5, Mahapalika Marg,
Mumbai 400-001,
Maharashtra, India.
Phone: +91-22-22620661/2/5 +91-22-41024090
Fax: 91-22-22617677 or 91-22-22659484
Email: webadmin@xaviers.edu Website: 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 https://www.ximr.ac.in
2. Xavier's Institute of Counselling Psychology (XICP)
   Tel. No. 9324084592 https://xicp.xaviers.edu/
3. Xavier's Institute of Communication (XIC),
   Tel. NO 022-621366 https://www.xaviercomm.org

Please get in touch with them directly for information about their Courses and the like, either through the link titled 'INSTITUTES' on the Homepage of our website or through the respective Institute's telephone numbers.

2. College Profile

2.1 College History

St. Xavier's College, Mumbai, was founded in 1869 by the Society of Jesus (known the world over as the "Jesuits"). The culture of the College is rooted in the vision of education inspired by St. Ignatius of Loyola. The Jesuits have contributed significantly to global education, and began their work in India in the 16th century, through St. Francis Xavier and his Jesuit companions.

Established primarily to educate the Christian community, St. Xavier's College now extends its services to all communities, fostering an inter-religious and intercultural academic environment. Affiliated to the University of Mumbai on January 30th, 1869, it became an Affiliated College under the Mumbai University Act (1953). The College prepares students for degrees across Arts, Science and Commerce streams-including professionally-related courses in media education, management studies, information technology, artificial intelligence, biotechnology and psychological counselling.

St. Xavier's sees itself as an academic community where students and teachers pursue knowledge through skilled communication, ardent intellectual inquiry, and critical reflection. The College stands for academic excellence, nurturing a love for learning, critical thinking, and responsible and creative expression. Alongside academic training, it prioritises character formation grounded in the love of God and service to humanity, to mould responsible, well-rounded citizens committed to the nation and its values. The College actively seeks to contribute to social transformation by upholding principles of social justice, equality of opportunity, freedom, and respect for moral and religious values as enshrined in the Indian Constitution. Environmental responsibility and inclusive education remain special areas of focus.

Governance is exercised by the Society of Jesus through a Governing Body of Jesuits, chaired by the Provincial of the Mumbai Jesuit Province, with the Rector as Vice-Chairman. As an Empowered Autonomous Institute affiliated with the University of Mumbai, St. Xavier's offers Government-Aided BA, BSc, and BCom programmes, along with several self-financed undergraduate and postgraduate degrees. Additionally, a range of diploma and certificate courses is offered in collaboration with partnering institutions, including Bioinformatics, Clinical Research, Forensic Science and Criminal Law, Gemology, Applied Philosophy and Ethics, Counselling Psychology, Expressive Arts Therapy, and topics related to Ancient Indian History and Archaeology.

2.2 Recent Achievements of the College

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.

2.2.1 XRCVC: The Xavier Resource Centre for the Visually Challenged was honoured with the National Award 2024 for being the Best Institution Working for the Empowerment of Persons with Disabilities (Divyangjan). Presented by the Ministry of Social Justice and Empowerment, Government of India, this award reflects our commitment to inclusive education and empowerment.

2.2.2 Empowered Autonomous Status: In July 2021, as per the Maharashtra State Public University Act 2016, the University of Mumbai conferred the Empowered Autonomous Status to St. Xavier's College, Mumbai, for 10 years till 2031. This status allows SXC to award joint degrees with the University of Mumbai.

2.2.3 Autonomy Extension: On the 6th of July, 2023, the UGC granted an extension of autonomy for 10 years, from 2023–24 to 2032–33.

2.2.4 *Education World Magazine* Higher Education Ranking: The college has been consistently ranked 1st in India (from 2019), among the topmost private autonomous colleges in India.

2.2.5 MHRD's National Institute Ranking Framework (NIRF) 2024: The college was ranked 89th at the national level.

2.2.6 NAAC Ranking he College secured an A+ Grade (GPA 3.27/4) in the fourth cycle of accreditation (2022) by NAAC.

2.2.7 St. Xavier's College has been recognised as the Best Education Brand 2024 and 2018-19 by the Times Group.

2.2.8 Degree College (PG) received grants from the DBT BUILDER (2021) for 5 years.

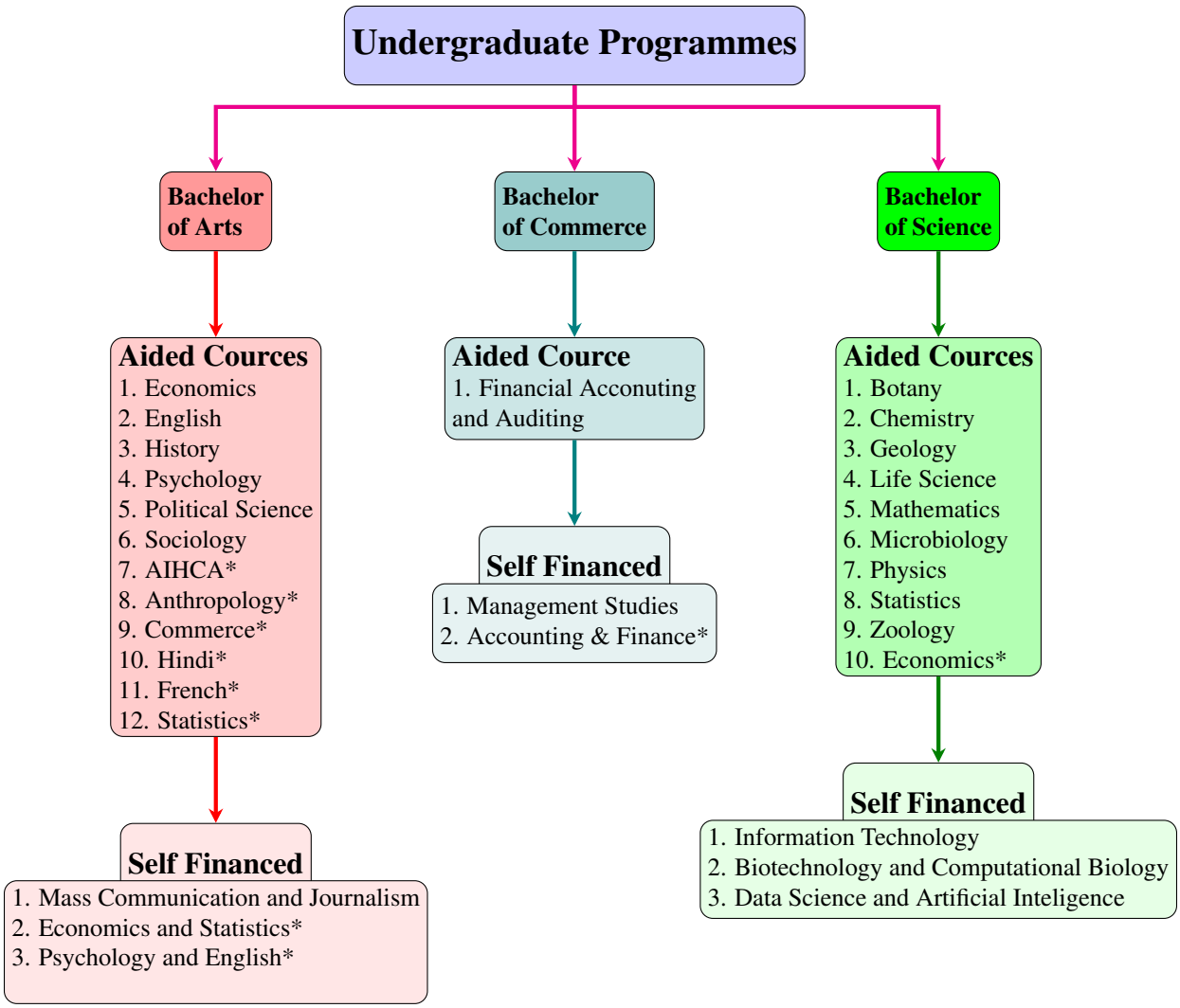
2.2.9 The College has been conferred the Nipman Foundation Microsoft Equal Opportunity Awards 2018 in the Enabler Category for Inclusivity.

2.2.10 Degree College (UG) received grants from the DBT Star Scheme (2014) for the Botany, Chemistry, Life Science, Microbiology, Physics and Zoology Departments.

2.2.11 Heritage Grant (2015): Awarded by the UGC under the MHRD, Government of India.

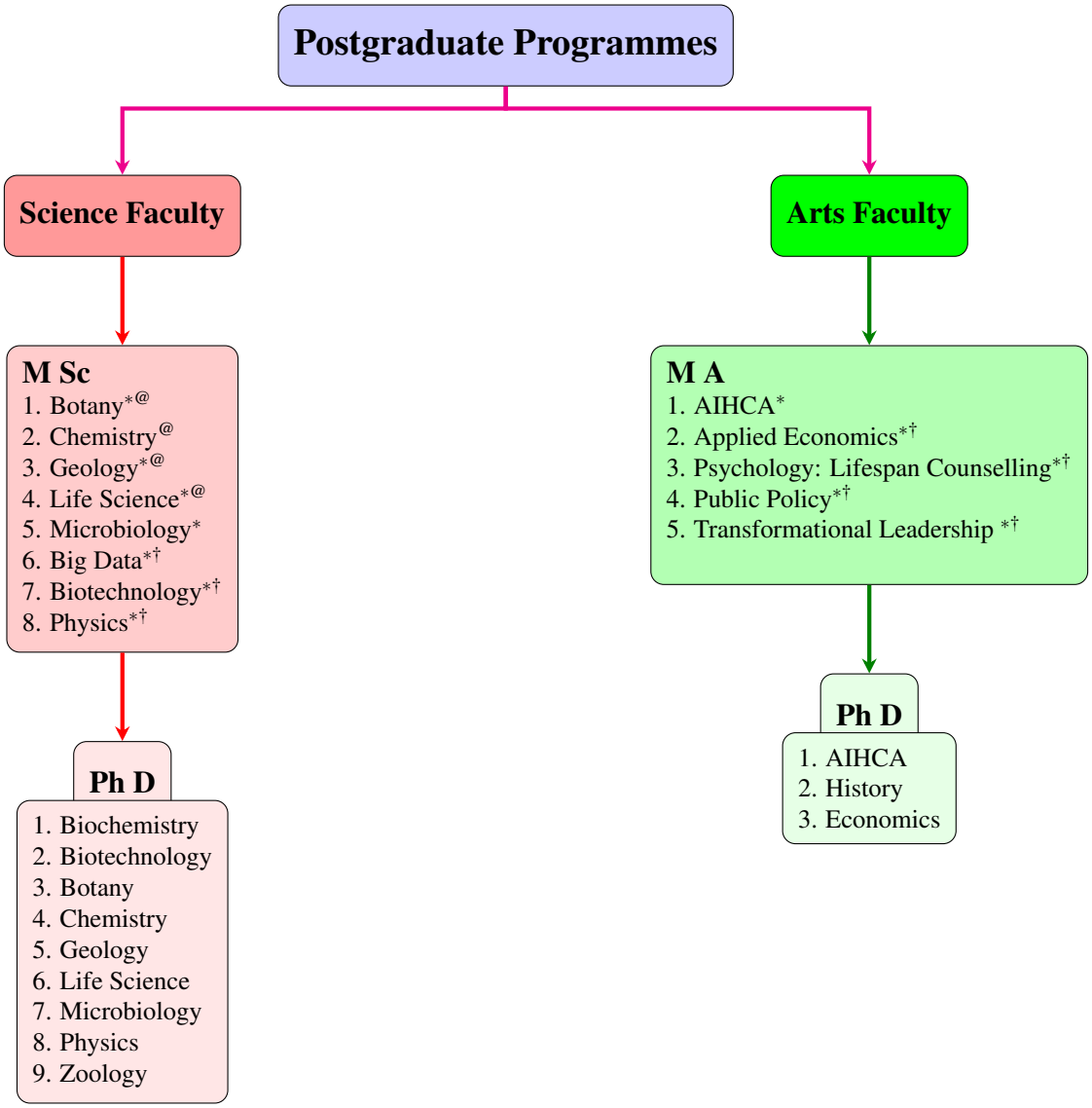
2.2.12 Certificate of Excellence Award (April 2014): by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) for the Best Institute Serving a Social Cause.

2.3 Undergraduate Programmes



* - Minor Subject

2.4 PG and Ph D Programmes



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

The College Library provides print and electronic resources for all academic and related activities of the students and staff, services for retrieving and using these resources and adequate infrastructure and spaces for their use. An online database of books and journals is maintained. Access to these is provided through five OPAC (Online 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 **8.00 a.m. to 7.30 pm** on all working days only.

3.1.1.1 Reference Library (RL): The heritage-structured Reference Library 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): The open-access Lending Library with a mezzanine floor houses about 60,000 books. The Lending Library has a paperback collection, newspapers and magazines, reading facilities, Issue and Return Counters and reading spaces.

3.1.2 Computer Centre

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 with about 126 computers in all. One of the Computer Labs has a Video Conferencing facility. The Centre supports all the computer courses in the curriculum. It also holds courses in collaboration with other organisations.

3.1.3 Bonet Computer Lab

The Fr José-Vicente Bonet Computer Lab was inaugurated in September 2022, with a grant from Arthur Fernandes, a 1957 batch alumnus. It has 70 computer terminals, used by students from all the streams of the College. Industry-oriented courses especially benefit from the latest software in this state-of-the-art computer lab.

3.1.4 Xavier Fintech Lab

The Xavier Fintech and Bloomberg Lab was inaugurated in August 2024. It has 16 Bloomberg terminals, which give students access to a world-renowned financial, regulatory and market database that is used by all the major financial firms and organisations around the globe. It is an excellent resource for fintech innovation and enables students to be industry-ready in various finance-related fields.

3.1.5 Gymkhana

It is called the Fell Gymkhana (after its founder Fr Fell SJ). 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 MCGM the use of a cricket pitch on Azad Maidan.

3.1.6 Multi-Media Centres

3.1.6.1 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.

3.1.6.2 The Multi-Media Room (MMR): 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.

3.1.6.3 S. H. Mehta Hall: It 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.

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

3.1.7 Common Rooms

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

3.1.8 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.

3.1.9 Hostels

The Campus Hostel can accommodate 104 male students. Only First and Third Year 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.

3.1.10 Counselling Centre

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, and 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

3.1.11 Placement Centre

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

3.1.12 Medical Room

The medical room provides first aid and immediate medical assistance to students, faculty, and staff during college hours. It is equipped with a hospital bed, medical kit, wheelchair, and stretcher. The keys are available with the security personnel at the college gate.

Wheelchair & Stretcher Availability

- College Gate: Wheelchair and stretcher with Gate Security
- Near Botany Department, 3rd Floor: Wheelchair
- Near Hostel Lift: Wheelchair
- Annexe Building: One wheelchair and one stretcher
- Emergency Contacts
  - Ambulance: 108
  - Dr Gautam Bhansali, Bombay Hospital: 98190 24445

3.1.13 Administrator's Office and Workshop

This Office coordinates all the maintenance services on the campus.

3.1.13.1 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

3.1.14 St. Xavier's Villa, Khandala

It is a spacious set-up amid 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.

3.1.15 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.

3.2.2 Extra-Curricular Committee (ECC)

It consists of faculty and students. It coordinates all the cultural and other extracurricular 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. Students should check the College website for the ECC data submission procedure.

3.2.3 Grievance Redressal Mechanism (https://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, Member Secretary, Aplana Palkhiwale, Dr Sanjay Parab, Fr Vivian Almeida. 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: https://grc.xaviers.edu

3.2.3.1 For academic grievances, the student should first approach the Head of 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].

3.2.3.2 For personal matters or regarding facilities on campus, students are encouraged to meet their teachers, 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, Geology. The members of this cell are Dr Pranoti Chirmuley, Dr Rajdeo Singh, Mr Jason John, Mr Rajesh Singh, Ms Rajeshwari Kundar.

3.2.3.4 The Students' Council is also a channel for issues listed in Section 3.2.3 on the current page.

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 cell to prevent Caste-Based Discrimination. The aggrieved person(s) may approach the Principal on any such grievances. Alternatively, the person(s) can complain through the online portal - https://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 Manasi Kanuga, with other members being Adv. Sagayamary M, Mumbai High Court, Ms Saima Khan, Fr Vivian Almeida, S.J, Ms Delina Lopes, Mr Bipin Patil

Email - internal.committee@xaviers.edu Internal Committee

3.2.6 Inclusive Education (Provisions for Students with Disabilities)

3.2.6.1 Inclusive Education Policy The college offers admission based on merit to all students with and without disabilities and has laid down a Disability-Inclusive Education Policy (https://xaviers.ac/about-us/inclusive-education). The policy aims to codify all the provisions that have existed for the past several years into a single document. It is being implemented by the college through its Department for Students with Disabilities and the Enabling Committee. In case of any ambiguity or for any information, contact Ms Poonam Deokar/Mr. Ketan Kothari from XRCVC at

Ketan Kothari	ketan.kothari@xaviers.edu
XRCVC Phone	022-22623298, 022-22626329.

3.2.6.2 Students with disabilities having a concern or grievance related to their accommodations or any aspect of the disability inclusion policy should submit a written complaint to the (Principal). The Grievance Redressal Mechanism applies to all students with disabilities who have registered with the Resource Centre and are receiving inclusive education services. For any grievances, please contact the Principal at principal@xaviers.edu or visit the office during working hours.

3.2.6.3 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 Shweta Patil 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 Shweta Patil along with the family's salary slip. She will then present these cases to the Principal, who, along with the Treasurer of the College, makes the allocation decision.

3.2.6.4 Inclusive Education Facilities on Campus The Enabling Committee is a staff-cum-student representative committee that looks into all inclusion and accessibility needs on campus. The committee is headed by the Principal. It plans various inclusion-related initiatives on campus.

3.2.6.4.1 Xavier's Resource Centre for the Visually Challenged (XRCVC): XRCVC is the department for students with disabilities. The centre works to meet the diverse needs of students with disabilities. In addition to meeting the needs of students on campus, the XRCVC is actively involved in creating awareness about disability rights and potentialities in the public and private spheres. It also actively engages with the policy framework in the disability space of the country. Its work is supported by individuals, trusts, and corporates. Dr Sam Taraporevala is the moving force behind the centre website. https://www.xrcvc.org

Executive Director: Dr Sam Taraporevala

3.2.6.4.2 Student Inclusion Cell (SIC): The SIC is a student body that works towards inclusion and accessibility on campus. The SIC is headed by a faculty coordinator and works with 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 also provides support to ensure the effective delivery of the inclusion ethos on campus.

3.2.6.4.3 Coordinator for Students with Disabilities: The coordinator is also placed at the resource centre, who is the main person to process all student requests and needs.

3.3 Additional Academic Facilities

3.3.1 Blatter Herbarium

It started at the end of the 19th century. By 1918, a large number of plants were gathered by Fr E. Blatter SJ, 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.

Director: Dr Rajdeo Singh

3.3.2 Caius Research Laboratory for Inter-Disciplinary Studies

It was established to conduct drug research and was named after Fr J. F. Caius SJ. 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.

Director: Dr Pampi Chakraborty

3.3.2.1 Central Instrumentation Facility (CIF)

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

Initially, it was called the Indian Historical Research Institute by Fr Henry Heras SJ, 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).

Director: Dr Fr Keith D'Souza SJ

3.3.4 Nadkarny–Sacasa Research Laboratory

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.

Director: Dr Ashma Aggarwal

3.3.5 Xavier's Visual Arts Studio

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, Science and Commerce faculties use this studio to enhance their course projects with the basic techniques of visual presentation. The Head of the B A (MCJ) Department, Ms Akshara Pathak Jadhav, 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).

Instructor: Ms Jyoti More

3.3.7 The Xavier Institute of Communications

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 PG 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 hands-on approach.

3.4 Co-Curricular and Extra-Curricular Facilities

3.4.1 Department of Inter-Religious Studies (DIRS)

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 SJ 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 globalisation 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.
Email: cip@xaviers.edu Council of International Programmes

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 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.

Director: Dr Sangeeta Shetty

3.4.3 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.

3.4.4 College and Departmental Fests/Conferences

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

3.4.4.1 **Malhar** : It is an annual inter-collegiate 2-day festival held in August. Along with the cultural component, it also holds 'Conclave' as its intellectual component.

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

3.4.4.3 **Jan-Fest** : It is a 2-day festival that celebrates Indian Classical Music in January. This is the finale of a series of musical concerts that IMG organises; please refer to 3.5.1.

3.4.4.4 For the Department Fests and other extracurricular programmes, please refer to 3.1 on page 18.

3.4.5 Social Involvement Programme (SIP)

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.

3.4.6 Career Katta

3.4.6.1 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.

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

3.4.6.3 **Registration Fee:** One-time ₹ 365 for a 3-year degree period, which will be reimbursed, offering a concession in Certificate Exam fee for deserving students. A student can get himself/herself registered through the "Career Katta" App, paying fees using online payment mode.
https://https://mitsc.co.in
For more details, contact **Dr Avkash Jadhav** - Career Guidance Co-ordinator- or Career Katta Helpline - 7507652555 about this initiative.

3.5 College Associations

3.5.1 The Indian Music Group (IMG)

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.

IMG Convenor: Dr Pratiba Nathani

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), visiting homes for the disadvantaged, and similar activities.

Faculty-in-Charge: Fr Vivian Almeida SJ

3.5.3 Marathi Vangmay Mandal (MVM)

Marathi Vangmay Mandal (MVM) was established in St. Xavier's College, Mumbai, in the year 1923. It is one of the oldest student-run associations in the University of Mumbai, and it strives to conserve and celebrate the customs and traditions of the Marathi language and culture in a diverse, cosmopolitan and inclusive environment found in St. Xavier's College. The MVM provides opportunities to students to participate and experience the rich tradition of Maharashtra. Some of the events celebrated by the MVM are Maharashtra Divas, Shivrajyabhishek Din, the Inaugural event of the MVM, an inter-collegiate flagship event, Aamod, and Marathi Bhasha Gaurav Din. The MVM inspires students and nurtures leadership qualities among them.

Faculty-in-Charge: Dr Prashant Ratnaparkhi

3.5.4 All India Catholic University Federation (AICUF)

Inspired by Gospel values, 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's empowerment and ecological imbalance, its members are geared to taking a stand to liberate marginalised groups and Mother Earth. 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 AICUF's approach is inclusive. Fr Vivian Almeida SJ is the Faculty-in-Charge.

Faculty-in-Charge: Fr John Mezsia, SJ

3.5.5 St. Xavier's Alumni Association

The Association is more than 100 years old and was registered in 1964. It caters to alumni who would like fellowship and contact with their Alma Mater. The Association has seen illustrious ex-students involved in its activities. It is managed by the Xavier Development Programme (XDP). This year, the Alumni Association will begin anew as an independent unit within the College.

3.5.6 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 https://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.

Director: Dr Fr Keith D'Souza

Table 3.1: College Activities

3.5.7 College Activities

Department	Association	Publication	Fest/Program
Fest/ Programme Organised by College	**Malhar, Xynergy, Jan-Fest**		
	AICUF	AICUFer	Ujali, AICUF Day
	DIRS	Tarang	
	Film Club		Countdown
	Jagruti	Pukar	
	Marathi Vangmay Mandal	Tejomaya (Diwali issue); Pakharan	Aamod
	Student Council	Xpress	
	Faculty Research Journal	Xplore	—
A.I.H.C.A.	RCA		Vividha
Biotechnology	—	Palindrome	Palindrome
Botany		—	Acta Botanica
Chemistry	Xavier's Association of Chemistry	Elemental	XAC Fest
Commerce (FAA)		Trends	Sitare
Commerce (Arts)	Commercium		
Commerce (MS)	Fin-cell		
Commerce (AF)		Finsight	Finance Symposium
Economics	Eco-Circle	Arthniti	Econundrum
English	English Association	Ithaka	Ithaka
ECC Committee		–	ECC Carnival
French		A La Francaise	
Geology	Terra	Terra	Terra
Heras Institute		Indica; The Bombay Explorer	
Hindi	Hindi Sahitya, Sangeet & Natya Academy	Ankur	Antas
History	History Group	Aitihasik	
Inter-Religious Studies		Tarang	The Harmony Project
Life Science and Biochemistry		Lignum Vitae	Biowaves Symposium
Management Studies		Insight	Zephyrus
Mass Media	Media Circle	The Catch Phrase	Zeitgeist
Mathematics	Mathematics Association of Xavier's (MAX)	The Proof	
Microbiology	Microbiology Association of Xaviers, Mumbai	The Michronicle	
Physics	Physics Circle	Celerities	Probe
Political Science	Political Science Association	Samvad	
Psychology		Uncommon Sense	
Public Policy		NitiSamvaad	NitiSamvaad
Sociology & Antropology	Academy of Sociology & Anthropology	Eidos	
Statistics	Stats Society	The Plot	Confluence
Zoology	Xavier's Zoology Association	Imprint	

4. College Admission Process

4.1 Admission Policy

4.1.1 Admission of students to UG and PG Courses will be based on the aggregate marks in the qualifying examination or its equivalent, unless specified otherwise.

4.1.2 Xavier's Entrance Test (XET) is conducted for

4.1.2.1 UG Courses : B A (MCJ)-Mass Communication and Journalism
B Com (Management Studies) and
B Sc (Information Technology)
B Sc (Data Science and Artificial Intelligence)

4.1.2.2 PG Courses : Public Policy, Psychology, Big Data Analytics,
Physics (Astrophysics).

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

4.1.2.3.1 60 per cent weightage to the Entrance Test 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 on page 21 Table).

4.1.3 For all the other PG courses, admissions are based 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 referring links below: ↓

4.1.3.1 M Sc in Botany, Geology, Life Sciences and Microbiology — refer to 9.1.5 on page 84

4.1.3.2 M Sc in Big Data Analytics — 11.2.4 on page 93

4.1.3.3 M Sc in Biotechnology — 11.3.7 on page 95

4.1.3.4 M Sc in Physics — 11.4.4 on page 96

4.1.3.5 M A in Ancient Indian History Culture and Archaeology: — 10.1.5 on page 91

4.1.3.6 M A in Public Policy — 12.2.5 on page 98

4.1.3.7 M A in Psychology — 12.4.4 on page 101

4.1.3.8 M A in Economics — 12.3.2 on page 101

4.1.4 All applications for admission to any UG or PG degree course should be submitted on or before 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, 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 complete 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:

1. - had three unsuccessful attempts at the same examination.
2. - been debarred twice within the first four semesters.

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 Judgment 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 Backwards 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 Judgment 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 intake in St. Xavier's College (Empowered Autonomous Institute), Mumbai is as shown in Table 4.1 and Table 4.2 on the facing page respectively.

Table 4.1: Seat Reservation in UG Courses (Aided)

Seat Reservation in UG Courses		
Category		**Criteria**
Total Seats 100%		
FY B A - 360 seats	FY B Sc - 360, FY B Com - 240	
Management Quota 15% of total seats		
FY B A :	15 % of 360 seats	Case A
FY B Sc :	15 % of 360 seats	Case A
FY B Com :	15 % of 240 seats	Case A
Balance Seats 85 % of total seats		
FY B A :	85 % of 360 seats	
FY B Sc :	85 % of 360 seats	
FY B Com :	85 % of 240 seats	
Christian Minority 50% of 85% of total seats		
FY B A :	50% of 85% of 360 seats	Case B & C
FY B Sc :	50% of 85% of 360 seats	Case B & C
FY B Com :	50% of 85% of 240 seats	Case C
General Category 42 % of 85% of total seats		
FY B A :	42% of 85% of 360 seats	Case B & C
FY B Sc :	42% of 85% of 360 seats	Case B & C
FY B Com :	42% of 85% of 240 seats	Case C
Others:		
I. Persons with Disability Category: 5% of 85% of total seats		
FY B A :	5% of 85% of 360 seats	Case B & C
FY B Sc :	5% of 85% of 360 seats	Case B & C
FY B Com :	5% of 85% of 240 seats	Case C
II. Special Category: 3% of 85% of total seats∗∗(refer to 4.1.10):		
FY B A :	3% of 85% of 360 seats	Case B & C
FY B Sc :	3% of 85% of 360 seats	Case B & C
FY B Com :	3% of 85% of 240 seats	Case C
Key: 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 State/National Levels in Sports or Cultural Activities.

Table 4.2: Seat Reservation in UG Courses (Unaided)

Seat Reservation in UG Courses

Category			Criteria
Total Seats 100%			
FY B A (MCJ) - 120 seats,	FY B A (Psy-Eng) - 60 seats,	FY B Sc (IT) - 60 seats,	
FY B Com (MS) - 120 seats,	FY B A (Eco-Stat) - 60 seats,	FY B Sc (DASI) - 40 seats,	
FY B Com (AF) - 120 seats,		FY B Sc (BCB) - 30 seats	
Management 15% of total seats			
FY B A (MCJ), FY B Com (MS) and FY B Com (AF):		15% of 120 seats	Case A
FY B Sc (IT), FY B A (Eco-Stat) and FY B A (Psy-Eng):		15% of 60 seats	Case A
FY B Sc (DSAI), :		15% of 40 seats	Case A
FY B Sc (BCB):		15% of 30 seats	Case A
Balance Seats 85% of total seats			
FY B A (MCJ), FY B Com (MS) and FY B Com (AF):		85% of 120 seats	
FY B Sc (IT), FY B A (Eco-Stat) and FY B A (Psy-Eng):		85% of 60 seats	
FY B Sc (DSAI), :		85% of 40 seats	
FY B Sc (BCB):		85% of 30 seats	
Christian Minority 50%of 85 %of total seats			
FY B A (MCJ), FY B Com (MS):		50% of 85% of 120 seats	Case D
FY B Com (AF):		50% of 85% of 120 seats	Case E
FY B Sc (IT):		50%of 85% of 60 seats	Case D
FY B A (Eco-Stat), FY B A (Psy-Eng):		50%of 85% of 60 seats	Case E
FY B Sc (DSAI), :		50% of 85% of 40 seats	Case D
FY B Sc (BCB):		50% of 85% of 30 seats	Case E
General Category 42% of 85% of total seats			
FY B A (MCJ), FY B Com (MS):		42% of 85% of 120 seats	Case D
FY B Com (AF):		42% of 85% of 120 seats	Case E
FY B Sc (IT):		42%of 85% of 60 seats	Case D
FY B A (Eco-Stat), FY B A (Psy-Eng):		42%of 85% of 60 seats	Case E
FY B Sc (DSAI), :		42% of 85% of 40 seats	Case D
FY B Sc (BCB):		42% of 85% of 30 seats	Case E
Others I. Persons with Disability Category: 5% of 85% of total seats			
FY B A (MCJ), FY B Com (MS):		5% of 85% of 120 seats	Case D
FY B Com (AF):		5% of 85% of 120 seats	Case E
FY B Sc (IT):		5%of 85% of 60 seats	Case D
FY B A (Eco-Stat), FY B A (Psy-Eng):		5%of 85% of 60 seats	Case E
FY B Sc (DSAI), :		5% of 85% of 40 seats	Case D
FY B Sc (BCB):		5% of 85% of 30 seats	Case E
II Special Category: 3% of 85% of total seats** (refer to 4.1.10):			
FY B A (MCJ), FY B Com (MS):		3% of 85% of 120 seats	Case D
FY B Com (AF):		3% of 85% of 120 seats	Case E
FY B Sc (IT):		3%of 85% of 60 seats	Case D
FY B A (Eco-Stat), FY B A (Psy-Eng):		3%of 85% of 60 seats	Case E
FY B Sc (DSAI), :		3% of 85% of 40 seats	Case D
FY B Sc (BCB):		3% of 85% of 30 seats	Case E

Case A: Only for those the College is obliged to admit and without any *quid-pro-quo*

Case D: Admitted based on their Merit Rank, which is based on performance at the Entrance Test and XII marks, as described in 4.1.2 on page 19 and 4.1.3 on page 19

Case E: Admitted based on the XII marks.

4.2 Admission Procedures

4.2.1 Applications for admissions to the following courses: B A (MCJ), B Com (MS) and M A (Public Policy), M A (Psychology), and M A (Economics), M Sc (Big Data Analytics), and M Sc (Astrophysics), are to be submitted online. The admission process includes an **entrance test**. Please look up the details on the college website home page.

4.2.2 For: B A/B Sc /B Com (AC) /B A (MCJ)/B Com (MS), 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 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://muugadmission.samarth.edu.in.

4.2.4 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 made on the college website and the college notice board. On being admitted, the student will have to submit the following documents (Original plus attested photocopies):

4.2.4.1 Class XII Statement of Marks

4.2.4.2 Baptism Certificate (for Christian Minority Community only)

4.2.4.3 Caste Certificate (wherever applicable)

4.2.4.4 Documentary Evidence for Special Category Status (Refer to 4.1.10 on page 20)

4.2.4.5 Passing Certificate (required for getting the Eligibility Certificate)

4.2.4.6 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 admissions to all the First Year Degree Courses, namely B A/B Sc /B Com /B A (MCJ)/B Com (MS)/B Sc (IT).

4.3.1.1

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

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

4.3.2 Students passing Class XII from Boards other than Maharashtra State Board and seeking admissions to First Year B A/B Sc /B Com /B A (MCJ)/B Com (MS)/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 mark sheet 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, the College Office initiates confirmation of eligibility, with the documents listed in 4.2.4.

4.4 Fees for Senior College

4.4.1 Table 4.3 on page 23 lists the total fees (including Library Deposit and Fees) to be paid for Aided and Self-Financed UG/PG courses, respectively.

Note :

1. Fees are subject to revision, and any updates will be communicated accordingly.
2. The fee for the First Year of the Batch of 2025–2028 shall be as specified above.
3. The fee amount for the Second and Third Years of the Batch of 2025–2028 shall remain the same as that paid in the First Year, corresponding to each student's chosen subject combination.
4. The fee structure for the Fourth Year of the Batch of 2025–2028 will be determined and communicated at a later stage.

Table 4.3: Fee Structure

	Programme	Undergraduate Courses			Programme	Post Graduate Courses	
		FY	SY	TY		Part I.	Part II
Aided	BA	16000	13971	13971	MA (AIC)	38500	38500
	BA (Stats)	17500	15471	15471	M Sc (Aided)	22000	22000
	B Sc	17000	14771	14171	Ph D (Arts)	6765	
	B Com (AC)	16000	13971	13971	Ph D (Science)	20165	
Unaided Courses	BA (MCJ)*	90000	75000	75000	M Sc (Phy)*	120000	120000
	B Sc (IT)*	65000	65000	65000	MA (Psy)*	150000	150000
	B Com (MS)*	90000	75000	75000	M Sc (BDA)*	150000	150000
	B Com (AF)*	90000	75000	75000	MPP*	95000	95000
	FY B Sc (BCB)*	120000	120000	—	MA (TL)*	15000	15000
	FY BA (ES)*	85000	85000	—	M Sc (Biotech)*	120000	120000
	FY B Sc (DSAI)*	125000	125000	—	MA (Eco)*	125000	125000
	FY BA (Psy)*	75000	75000	75000			

* self-financed courses
† - The college reserves the right to make changes in the fees before the process starts.

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 on page 104

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 a 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 $<$ ₹2.5 Lakhs (for Scholarship)

4.5.2.2 SC students: AFI, No limit for 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 exempt 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 Student of the Year Award (offered by the College)

4.6.2 Scholarships and Freeships for Special Class: Students are also advised to check 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 Recognising 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 Scheme of Examination is divided into two components for each course of the program: Internal assessment (Continuous Internal Assessment - CIA) and External assessment (End-semester examination – ESE). To pass a course, the student must obtain a minimum of 40% marks in the CIA and ESE together.

5.2.1 Theory: Continuous Internal Assessment (CIA)

5.2.1.1 Two CIAs per course in 4-credit courses and 1 CIA in 2-credit courses are held during each semester. CIA-I of 4-credit courses will be a sit-in centralized written examination, and CIA-II of 4-credit courses and CIA of 2-credit courses will be either a written test, project/assignment/presentation/or any other mode deemed appropriate for that course

5.2.1.1.1 Two CIAs of 4-credit courses may combine into one (40 marks). In this case, the professor concerned must provide the Principal with the breakdown of the continuous marking scheme, and obtain the Principal's permission.

5.2.1.1.2 It is also possible that (in consultation with the Principal) the CIA/s of 4-credit courses and the CIA of 2-credit courses 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, of the 4-credit course or CIA of 2-credit courses can acquire the 40 per cent marks required to pass the course through the 60/30-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)

5.2.1.3.2 During the CIA, a bereavement (of an immediate family member) occurs. In this case, the Death Certificate of the departed and the parents' note must be submitted to the College within 2 days of returning to college for this clause to apply.

5.2.1.3.3 For the same student, the Principal will exercise the 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 50/100 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 for 4 credit courses, and of 30 marks of a 1-hour duration for 2 credit courses.

5.2.2.2 Exam answer papers are assessed by on-screen marking. Students fill in details on the first page of the answer book. A QR code sticker with the details of the student and the course is stuck on the first page. This sticker acts as a unique identifier for answer books during scanning. On scanning, each student's answer book is saved with a unique ID. A copy of the file without students' details is shared for assessment.

5.2.2.3 For the FY/SY/TY/PG-I/PG-II courses, there will be a Single Evaluation with Moderation for all major and minor courses as shown below:

5.2.2.3.1 The assessed papers of the top 4 scores of the course

5.2.2.3.2 20 per cent of the rest of the assessed papers 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 by the COE in consultation with the Principal.

5.2.2.5 If a student misses the end-of-semester examination/s while representing the college for HCAP, NCC or any sports or cultural activity, with prior written permission from the Principal will be allowed to appear for supplementary examinations of 30/60 marks. This examination will be conducted immediately after the regular end-semester examinations, before the declaration of the result.
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 50/100 marks in the next semester.

5.2.3 Practicals

5.2.3.1 Science subjects have a Practical component for all Core/Minor/VSC/SEC courses.

5.2.3.2 For Psychology, the course Experimental Psychology and Statistics has a credit structure of 3TH+1PR in one semester. 100 marks for this course (`UAPSY5503CR1`) are assessed through a CIA test for 20 marks, Journal work for 20 marks and an ESE for 60 marks. The Practical course (`UAPSY5503CR1PR`) will have a Practical Exam, and the breakdown for the 50 marks is Instructions and Conduct 10 marks, Written report (methodology and discussion) 20 marks, Viva 20 marks.

5.2.3.3 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 practicals, but journals will be certified only against the completion of at least 75 per cent attendance at the Practical.

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

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

5.2.3.4 The End Semester Practical Examination 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 Centre the Consolidated Marks (per Course).

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

5.2.3.6 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 in the subsequent semester.

5.2.3.7 A student must appear for the Practical of all the Courses of the subject that he/she has chosen.

5.2.3.8 If a TY B Sc/TY B A student fails in or is absent for one or more of the Practicals in Semester V, the student will be allowed to appear for the Additional Examination in Semester VI of the concerned academic year.

5.2.3.9 If a TY B Sc/TY B A student fails in or is absent for the Practical in Semester VI, the student must appear for these practicals in the subsequent Semester V of the following academic year.

5.2.3.10 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.

5.2.3.11 External Examiners will be appointed for the practical examination in at least 50 per cent of the courses in the third and fourth year of UG and all the courses of PG. .

5.2.4 Additional Examination

5.2.4.1 A student is eligible for additional examination if:

5.2.4.2 The student has been disallowed from appearing for the regular End Semester Examination due to defaulting on the mandated minimum attendance as per section 5.7 of the college handbook– Academic Guidelines Under Autonomy. They, nonetheless, must have a minimum of 50% overall attendance across all courses and 40% in that specific course. Otherwise, they must fulfil the attendance requirements for that semester before being allowed to appear for the 'Additional End Semester Examination'.

5.2.4.3 Additional Examinations for TNG and ATKT Students

5.2.4.3.1 TNG (Term Not Granted) Students – Students with attendance below 75% in a course.

5.2.4.3.2 ATKT (Allowed to Keep Terms) Students – Students who have failed a course by scoring:

- Less than 40 marks in a 100-mark course, or
- Less than 20 marks in a 50-mark course.

5.2.4.3.3 Additional Examinations for **Odd Semester** courses (for both TNG and ATKT students) will be conducted during the **Even Semester** of the same academic year.

5.2.4.3.4 Additional Examinations for **Even Semester** courses (for both TNG and ATKT students) will be conducted during the **Odd Semester** of the following academic year.

5.2.4.4 Prior Notices on the website

5.2.4.4.1 Filling of forms and fee payment for additional examinations will be in August and February

5.2.4.4.2 In case of any issue immediately report to the examination center

5.2.4.5 Those students who do not register for the Additional Examination within the stipulated period displayed on the college website/ Examination Notice Board (outside the examination centre) will not be permitted to appear for the concerned examination(s).

5.3 Passing Norms

5.3.1 To pass a theory/practical course, a student must obtain a minimum of 40 % marks in the course, i.e. in CIAs plus ESE.

5.3.2 If a student fails to make the required minimum of 40 % marks at the Regular Examination the marks secured (except Journal) will be annulled and the student will appear for an Additional Exam of 3 hours and 100 marks for 4 credits and 2 hours and 50 marks for 2 credits at the end of the subsequent semester.

5.4 Gracing Norms

5.4.1 Grace marks for passing: Up to a maximum of 1% of the Grand Total per semester can be added to any Course(s) to pass a given exam of a given semester. The benefit of grace marks under this Ordinance shall be applicable only if the candidate passes the entire examination of the semester/year.

5.4.2 Grace marks for Award of Class: Up to 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 Mark sheet on completion of graduation).

5.4.3 A student will be entitled to 10 Grace Marks, which will be added to his/her Even Semester mark sheet in the academic year when he/she represented the College in sports, N.C.C, 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 on the current page are not awarded for the Additional Examination.

5.4.5 For Degree Class Improvement, the candidate must appear for the examinations of all 6/8 semesters for UG and all 4 semesters for PG.

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

5.4.7 SWD (Students with disability) are eligible for grace marks up to a maximum of 3% of the Grand Total per semester, applicable to the courses as per the Principal's discretion. These marks are only given in the end-semester examination and are not awarded for Additional Exams.

5.4.8 The benefit of grace marks under this ordinance shall be applicable only if the candidate passes the entire examination of the semester/year.

5.5 Revaluation Norms

5.5.1 A student who is not satisfied with the evaluation of his/her paper in any Course can apply (by the date notified on the college website) for a photocopy/Annotated Digital Copy and/or a re-evaluation of the answer paper, by paying the prescribed fee.

Students may choose to apply:

- Only for Revaluation
- Only for Annotated Digital Copy
- Or for both, simultaneously

5.5.2 Students may apply for annotated digital copies only for theory papers of End Semester Examination (ESE) and Additional Examination conducted by the College in the current academic session.

5.5.3 If any discrepancy (totalling errors or unassessed questions) is found in the annotated copy, the student must report and apply for verification within seven (07) working days of receiving it.

5.5.4 If a student is not satisfied with the marks awarded, they may apply for revaluation through QualCampus within the prescribed timeline. The revaluation facility is available only for theory papers of End Semester Examinations (ESE) and Additional Examinations conducted during the current academic session. Continuous Internal Assessments (CIA) are not eligible for revaluation. Students may apply for revaluation regardless of the marks obtained, including zero marks.

5.5.5 The marks awarded by the third examiner will be treated as final and binding.

5.6 Results

5.6.1 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).

5.6.2 Marksheets/Grade sheets are issued for regular semester end and for additional examinations. The additional examination marksheets will be issued only for the courses students applied for. The consolidated mark sheet will be issued after the completion of the programme or at the time of leaving college.

5.6.3 A student who fails 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.

5.6.4 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, and will not be promoted to the next academic year. It is the sole responsibility of students to have the requisite number of credits to be promoted to the next academic year.

5.6.5 To be admitted into the SY/TY: A student will be allowed to seek admission in SY if they have cleared 32 out of 44 credits from FY, and a student will be allowed to seek admission in TY if they have cleared 76 out of 88 credits from FY

and SY.

5.6.6 To be admitted into Honours/PG-I: A student should clear all 132 credits of UG.

5.6.7 The Semester VI results of any student will not be declared until the student has cleared all the Courses of Semesters I to V.

5.6.8 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 Examination Centre within 20 days of the distribution/uploading of the marksheets. No changes will be entertained after the lapse of these 20 days.

5.7 Attendance

5.7.1 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.

5.7.2 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.

5.7.3 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:

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

5.7.3.2 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.

5.7.3.3 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.

5.7.4 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 with at least 75 per cent attendance of the lessened total.

5.7.5 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.

5.7.6 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.

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

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

5.7.6.3 No documents will be accepted after the 2 working days.

5.7.7 The Leave Application / Medical Papers must be accompanied by:

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

5.7.7.2 A covering letter from the Parent or Guardian of the student.

5.7.8 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 a 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: 5.7.3.3 on the current page is also applicable here.

5.7.9 Attendance Grades (AG) (as shown in 5.1 on the following page on the next page for each course will be displayed in the semester mark sheets.

5.7.10 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.

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

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

Table 5.1: Attendance Grade

Attendance (%) →	100 – 95	< 95 – 90	< 90 – 85	< 85 – 80	< 80 – 75	< 75	Debarred
Grades	A+	A	B+	B	C	TNG	D†

TNG = Terms Not Granted (i.e. Debarred for ESE in the respective course(s), due to insufficient attendance.
† Debarred students will appear in Additional Exams of 100/50 marks for 4/2 credits respectively, during the subsequent semester.

5.8 Rules for Extracurricular Credit Activities

5.8.1 Six (2+2+2) mandatory (Non-Academic) ECC credits will be required to be earned by a student in Sem II, Sem III and Sem IV to obtain a degree under NEP 2020)

5.8.2 A student has to put in a minimum of 30 hours and a maximum of 40 hours each semester to earn these credits. ECC grades given are FF, AB, AA and OS.

5.8.3 The students' EC progress, in terms of hours and quality of participation, is recorded by the EC Committee (ECC), under the supervision of the ECC Faculty-in-Charge.

5.8.4 Activities Eligible for EC Credits: The following activities are eligible for EC credits:

1. Representing College at ECC-approved competitions.
2. Engaging in extra-curricular activities organised by the College associations (e.g., MVM, ECC, IMG)/Departments. These activities must be certified by the Faculty-in-Charge or HOD.
3. Being a member of co-curricular (e.g., eco-circle) or extracurricular (e.g., AICUF, SSL, etc.) student bodies.
4. Being a member of the organising committee of college festivals/fests like Malhar, Antas, etc.
5. Participating in Sports, certified by the College Sports Director, yoga, wellness activities.
6. Participating in Government activities with prior permission from college - eg, mountaineering course
7. Participating in social outreach activities and activities that make a positive impact on the environment
8. Being an Editorial team member of college or department magazine /newsletter

5.8.5 Guidelines for ECC Defaulters

A CC-defaulting student is a student who has obtained an **FF grade** in the 2nd, 3rd, or 4th semester of the CC (commonly referred to as the ECC) course and has an overall of 12 or fewer pending credits.
To clear the CC (ECC) credits, the student must:

5.8.5.1 Attend ECC activities conducted during the semester to earn the required ECC hours, and/or

5.8.5.2 Attend the ECC Defaulter's Workshop to make up the deficient ECC hours.

Students with more than 12 credits pending (overall) and therefore not promoted to the next year. Such students must clear their ECC credits if pending, only by attending the ECC Defaulters' Workshop, held once per semester. Such students are not permitted to participate in any of the on-campus ECC activities in the year.

All CC (ECC) defaulting students must fill out and submit the respective additional examination forms (in August and/or in February), as done for other courses, without which the marks obtained for the CC (ECC) credits cannot be forwarded to the examination centre.

5.9 Community Engagement Programme (CEP)

Four mandatory CEP credits (3 SIP field service activity component credits and 1 theory component credit) will be required to be earned by each student to obtain a degree.

Social Involvement Programme (SIP) `UXSIP5001CE1PR`**:**

St. Xavier's College, Mumbai, under the NEP, has made participation in the CEP an integral component of its learning process. The CEP operates under its traditional outreach nomenclature, the Social Involvement Programme (SIP). The SIP aims to inform and empower students by engaging them with socio-economic realities so that they raise critical questions and thereby make consequential interventions. To achieve this goal, the SIP Department networks with more than 250 NGOs covering an array of social endeavours across Mumbai and its satellite suburbs.

St. Xavier's College (Empowered Autonomous Institute), Mumbai, under the National Education Policy (NEP), has made participation in the Community Engagement Programme (CEP) an integral component of its learning process.

In St. Xavier's College (Empowered Autonomous Institute), Mumbai, the CEP operates under its traditional outreach nomenclature, the Social Involvement Programme (SIP). The SIP aims at informing and empowering students by engaging them with socio-economic realities so that they raise critical questions and thereby make consequential interventions. To achieve this goal, the SIP Department networks with more than 250 NGOs covering an array of social endeavours across Mumbai and its satellite suburbs.

5.9.1 SIP (Field Service Activity Component) Requirements

5.9.1.1 The three mandatory CEP-SIP credits that each student has to obtain for being conferred a degree would have to be earned as follows:

5.9.1.1.1 50 Marks for Semester III—2 credits

5.9.1.1.2 25 Marks for Semester IV—1 credit

5.9.1.2 These credits must be completed over semesters I and II by working with an allotted chosen NGO as well as with a college department.

5.9.2 Guidelines for CEP Defaulters (SIP-3 credits and Theory-1 credit)

The CEP-SIP credits are based on **45 hours** of logged-in voluntary service as described below:

5.9.2.1 A minimum of **30 hours** of field service with an allotted chosen NGO, inclusive of testimonial writing time, handed in at the time of completion of the SIP activity.

5.9.2.2 A minimum of **07 hours** of routine sequential preparatory work time before undertaking the social activity.

5.9.2.3 A minimum of **03 hours** of report writing time connected with the articulation of the SIP field service with the allotted chosen NGO.

5.9.2.4A minimum of **05 hours** of social engagement with one of the college departments. This service must be department-specific and so monitored by the concerned department. The departments are mandated to curate discipline-specific activities aligned with one or more of the UNO's Sustainable Development Goals.

5.9.3 Guidelines for CEP Defaulters (SIP-3 credits and Theory-1 credit):

5.9.3.1 The CEP-SIP defaulting students will have to redo the entire SIP field service component.

5.9.3.2 The CEP-defaulting students have to fill out and submit the respective additional examination forms (in August and/or in February), as done for other courses, without which the marks secured by the defaulting student for CEP credits cannot be submitted to the examination centre.

Note:

5.9.3.2.1 The CEP-SIP credits are composed of the items as described in point 5.9.2.

5.9.3.2.2 A student can default in either the SIP (Field Service Component—Semester III and Semester IV) or the Theory Component (Semester IV) or both (as per the relevant semester).

5.9.3.2.3 Theory Component—`UXSIP5001CE1`: There will be a theory component of 1 credit and 25 marks during the III and IV semesters.

5.10 Letters of Recommendation (LoR) by College

5.10.1 This set of instructions applies only to LoRs (hard or soft copies) that are being used for admission into universities for further studies.

5.10.2 Students who need such LoRs must fill in an Application Form, which is available from the concerned Department from where the LoR is solicited.

5.10.3 A Processing Fee of ₹. 500 per 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.

5.10.4 For more detailed instructions, please approach the concerned Teacher in the Department.

5.10.5 Economically disadvantaged students, who find it difficult to pay the LoR Fees, can approach the Principal for financial assistance through the SBF.

5.11 Parents' Collaboration

5.11.1 Parents are invited to make inquiries about their child's attendance and performance either:

5.11.1.1 At the General Office or the concerned Department(s) with prior permission.

5.11.2 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.

5.11.3 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.

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

5.11.3.2 Confidentiality, of both the student and the nature of the illness, is assured by the College.

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

5.11.4.1 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.

5.11.4.2 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.

5.11.4.3 Serious action will be taken against any student who flouts Rules 5.11.4.1 and 5.11.4.2 on this page.

5.11.5 The College will attempt to notify parents of debarred students via email before the commencement of the examinations.

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

5.12 Addendum

5.12.1 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 do 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, offers Undergraduate and Postgraduate Programs as per the National Education Policy, 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^{th} April 2023 (for UG) and 16^{th} 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 (NEP 2020) 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 NEP 2020:

- **Multidisciplinary Approach**: A multidisciplinary approach to education, encouraging students to choose subjects across different disciplines and bridging the gap between 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 encourage the establishment of research centres and promote 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 its achievements in the national as well as global social, cultural, industrial and science arenas.

Keeping the tenets and recommendations about the NEP 2020 from the UGC, along with adhering to the directives from the Maharashtra State Department of Higher and Technical Education, the college, with its experience of more than 150 years 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 CR: 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 EL: 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 Courses: These are mandatory courses in languages and literature (i) Compulsory - English communication (ii) Elective - any Indian language other than English, refer Table 6.2.
A two-credit course for AEC on Effective English Communication, Hindi/ Marathi/Sanskrit/Telugu* 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, e.g., Scientific, Business, Digital Communication, etc.

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

6.2.1.5 VSC: Vocational Skill Courses: These courses are aimed at imparting practical skills, hands-on training, and soft skills to increase the employability of students.

6.2.1.6 SEC: Skill Enhancement Courses: These courses are aimed at imparting skills/hands-on training, and soft skills. These could be chosen from the 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 Courses: For the holistic development of students through various activities such as performing arts, visual arts, NCC, Yoga, etc.

6.2.1.9 VEC: Value Education Courses: Two compulsory courses, one in each semester refer Table 6.4

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.

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 refer Table 6.5.

6.2.1.11 OE: Open Electives: Elective courses are chosen generally from other disciplines to seek multidisciplinary exposure.

6.2.1.12 CEP:Community Engagement Programme: The CEP aims at informing and empowering students by engaging sequential interactions with society.

6.2.2 The UG Course Structure

The following tables provide details of the Arts, Science, and Commerce (grants-in-aid) courses that will be starting in June 2026. 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 6.1 on the next page.
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, B A, 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 6.1: Course and Credit Structure

Course and Credit Structure

Level	Semester	Core (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	Sem I	1 (4)	0	1 (4)	2 (4)	2 (4)	3 (6)	0	9 (22)	
	Sem II	1 (4)	0	1 (4)	2(4)	2 (4)	2 (4)	CC1 (2)	9 (22)	44 UG
1st Year	Courses (Cr)	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	Sem III	2(8)	0	1 (4)	1 (2)	1 (2)	1 (2)	FP1/CEP1, CC2 (4)	8(22)	
	Sem IV	2 (8)	0	1 (4)	1 (2)	1 (2)	1 (2)	FP2/CEP2, CC3 (4)	8 (22)	88 UG
2nd Year	Course (Cr)	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	Sem V	3 (12)	1 (4)	1(2)	0	0	0	OJT1 (4)	7 (22)	
	Sem VI	3 (12)	1 (4)	1 (2)	0	1 (2)	0	FP3 (2)	6 (22)	132 UG
3rd Year	Courses (Cr)	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	Sem VII	3 (12)	1 (4)	RM (4)	0	0	0	FP4 (2)	6 (22)	
	Sem VIII	3 (12)	1 (4)	0	0	0	0	OJT2 (6)	5 (22)	176 UG
4th Year	Courses (Cr)	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	Sem VII	3 (10)	1 (4)	RM (4)	0	0	0	FP4 (4)	6 (22)	
	Sem VIII	3 (10)	1 (4)	0	0	0	0	RO4 (8)	5(22)	176 UG
4th Year	Courses (Cr)	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.										

RM - Research Methodology

Table 6.2: Ability Enhancement Course: Semester I or II

Ability Enhancement Courses: Semester I or II			
Department	**Course Codes**	**Course Title**	**Credits**
Commerce	UCCOM4501AE1	Communication Skills in English	2
English	UAENG4501AE1	Critical Reading, Writing and Thinking	2
Hindi	UAHIN4501AE1	Swayam Course	2
Library Science	UALIB4501AE1	Introduction to Library Science	2
MCJ*	UAMCJ4502AE1	Business Communication	2
Marathi	UXMAR4501AE1	Vyvaharik aani Upayojit Marathi	2
Sanskrit	UXSAN4501AE1	Introduction to Sanskrit	2
Telugu	UXTLG4501AE	Introduction to Telugu Language	2
*Mass Communication and Journalism			

Table 6.3: Ability Enhancement Course: Semester III or IV

Ability Enhancement Courses: Semester III or IV			
Department	**Course Codes**	**Course Title**	**Credits**
ENG	UAENG5001AE1	Critical Reading, Writing and Thinking (Theory & Praxis)	2
	UCCOM4501AE1	Communication Skills in English	2
Hindi	UAHIN5001AE1	Medieval Hindi Poetry	2
Marathi	UAMAR5001AE1	Bhasha Kaushalya	2
Sanskrit	UAMAR5001AE1		2
*Mass Communication and Journalism			

Table 6.4: Value Education Courses

Value Education Courses			
Department	**Course Codes**	**Course Title**	**Credits**
Chemistry	UXEVS4501VE1	Environmental Studies	2
Political Science	UXCOI4501VE1	The Constitution of India	2

Table 6.5: Indian Knowledge System

Indian Knowledge System			
Department	**Course Codes**	**Course Title**	**Credits**
AIHCA	UXIKS4501GN1	Introduction to Indian Knowledge Systems	2

Table 6.6: F. Y. Open Electives for B Com (FAA) Sem I and II

Open Electives for B Com (FAA) Sem I and II				
Group	**Department**	**Course Codes**	**Course Title**	**Credits**
Arts	AIHCA	UAAIC45010E1	Introduction to Tourism Management in India	2
	Political Science	UAPOL45010E1	Understanding Jammu and Kashmir	2
Sci	Botany	UABOT45010E1	Gardening	2
	Chemistry	UACHE45010E1	Chemistry in Sports, Physiology and Health	2

Table 6.7: F. Y. Open Elective 1 for Sem I and II

F Y Open Elective 1 for Sem I and II				
Group	**Department**	**Course Codes**	**Course Title**	**Credits**
Arts	Economics	UAECO45010E2	Introduction to Indian Economy	2
	MCJ	UAMCJ45010E1	Mass Communication and Society	2
	Psychology	UAPSY45020E1	Personal Growth through Visual Arts	2
	Sociology	UASOC45020E1	Nature, Society and Conservation	2
Sci	Botany	USBOT45010E1	Gardening	2
	Chemistry	USCHE45010E1	Chemistry in Sports Physiology and Health	2
	Zoology	USZOO45010E1	Wonders of the Animal Kingdom	2
	IT	USITY45010E1	Web Designing	2
	Geology	USGEO45010E1	Gemmology - The Art & Science of Gem Identification	2
Com	Commerce (FA&A)	UCCOM45020E1	Financial Literacy and Education	2
	Commerce (A&F)	UCACF45010E1	Accounting for Everyone	2
	Commerce (MS)	UCMGS45010E1	Introduction to Mutual Funds	2

Table 6.8: F. Y. Open Elective 2

F Y Open Elective 2				
Group	**Department**	**Course Codes**	**Course Title**	**Credits**
Arts	AIHCA	UAAIC45010E1	Introduction to Tourism Management in India	2
	Commerce (Arts)	UACOM45010E1	Foundation of Corporate Structure	2
	Economics	UAECO45030E1	Fundamentals of Financial Analysis for Economic Studies	2
	French	UAFRE45010E1	French for Beginners A1 level	2
	MCJ	UAMCJ45020E1	Current Media Events- Reading and Analysis	2
	Psychology	UAPSY45010E1	Demystifying Mental Illness	2
Sci	Botany	USBOT45020E1	Plants in Human Nutrition	2
	Chemistry	USCHE45020E1	Science of Food and Cooking	2
	Gemmology	USGEO45010E1	The Art and Science of Gem Identification	2
	Statistics	USSTA45010E1	Descriptive Statistics	2
	Zoology	USZOO45020E1	Social Life of Animals	2
Com	Commerce (FA&A)	UCCOM45010E1	Introduction to Intellectual Property Rights	2
	Commerce (A&F)	UCACF45020E1	Taxation for Everyone	2

Table 6.9: F. Y. Open Elective: Self-financed BA & B Sc

F Y Open Electives for B Com (FAA): Self-financed BA & B Sc				
Group	**Department**	**Course Codes**	**Course Title**	**Credits**
	AIHCA	UAAIC45010E1	Introduction to Tourism Management in India	2
	Commerce (FA&A)	UCCOM45010E1	Introduction to Intellectual Property Rights	2
	Chemistry	UACHE45010E1	Chemistry in Sports, Physiology and Health	2

Table 6.10: SY Open Elective

S Y Open Elective				
Group	Department	Course Code	Course Title	Credits
Arts	Commerce (Arts)	UACOM5001OE1	Business Environment	2
	English	UAENG5001OE1	Nature in Literature	2
Sci	Botany	USBOT5001OE1	Landscaping the Urban Garden	2
	Chemistry	USCHE5001OE1	Pharmaceutical & Cosmetic Chemistry	2
	Chemistry	USCHE5002OE1	Introduction to Neuroscience	2
	Life Science	USLSC5001OE1	Food and Nutrition	2
		USLSC5002OE1	Reproductive Health	2
	Mathematics	USMAT5001OE1	The Art of Mathematics	2
	Microbiology	USMIC5001OE1	Microbiology in everyday life	2
	Physics	USPHY5001OE1	History and Science of Astronomy	2
	Physics	USPHY5002OE1	Advanced Science of Water Colour	2
	Statistics	USSTA5001OE1	Descriptive Statistics	2
	Zoology	USZOO5001OE1	Biology of Diseases	2
Com	Commerce (FA&A)	UCCOM5001OE1	The Consumer's Toolkit: Protection and Redress	2
		UCCOM5002OE1	Real Estate Laws & Regulations in India	2
	Commerce (MS)	UCMGS5001OE1	Investment Analysis & Portfolio Management	2
	Commerce (A&F)	UCACF5001OE1	Introduction to Financial Markets	2
		UCACF5002OE1	Personal Finance Management	2
		UCACF5003OE1	Basics of Banking and Insurance Services	2
		UCACF5004OE1	Fintech and Digital Money Management	2

7. Undergraduate (Aided) Programmes

7.1 B A - Bachelor of Arts

There are a total of 38 combinations of subjects (Core and Minor) offered to FY B A Students can choose any one of the combinations listed in Table 7.1. **Please note that allocation of the Core and minor subjects in the second year is strictly based on merit** (i.e. performance in Semester I and Semester II) and **availability of seats**.
List of Combinations for FYBA admissions of 2026-27:

Table 7.1: List of Combinations for FYBA Admissions to Academic Year 2026-27

List of Combinations for FYBA admissions to Academic Year 2026-27

1. Economics Major - Commerce Minor*
2. Economics - English
3. Economics - Political Science
4. Economics - Sociology
5. Economics Major - Statistics Minor*
6. English Major - Anthropology Minor*
7. English Major - French Minor*
8. English Major - Hindi Minor*
9. English Major – AIHCA Minor*
10. English - Political Science
11. English - Psychology
12. English - Sociology
13. History Major – AIHCA Minor*
14. History Major - Anthropology Minor*
15. History Major - French Minor*
16. History Major - Hindi Minor*
17. History - Economics
18. History - English
19. History - Political Science
20. History - Psychology
21. History - Sociology
22. Political Science Major - Anthropology Minor*
23. Political Science Major - French Minor*
24. Political Science Major - Hindi Minor*
25. Political Science Major - AIHCA Minor*
26. Political Science - Psychology
27. Political Science - Sociology
28. Psychology - Sociology
29. Psychology Major - Anthropology Minor*
30. Sociology Major - Anthropology Minor*
31. Sociology Major - AIHCA Minor*
32. Sociology Major - French Minor*
33. Sociology Major - Hindi Minor*
34. Sociology Major - Commerce Minor*

(AIHCA Ancient Indian History Culture and Archaeology)
* These are fixed combinations
For the remaining combinations, the Major and Minor will be determined at the beginning of the second year, based on the student's performance in the first and second semesters.

7.1.1 B A Semester I

Table 7.2: B A Semester I Programme Structure

Programme Structure: B A Semester I				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 1	2 Core Subjects from Table 7.3 or a Core	4
CR	2	Core 2 or Minor	and a Minor from Table 7.4	4
VSC	3	Vocational Skill Courses	1 from Table 7.5 on the facing page	2
SEC	4	Skill Enhancement Courses	1 from Table 7.6 on the next page	2
AEC	5	Ability Enhancement Courses	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Open Elective - 1	1 from Group S or C in Table 6.7 on page 37	2
OE-2	9	Open Elective - 2	1 from Group S or C in Table 6.8 on page 37	2
			Total Credits	22

Table 7.3: B A Semester I Core Courses

B A Semester I Core Courses				
	Subject	**Code**	**Course Title**	**Credits**
Core Courses	Economics	UAECO4501CR1	Introductory Microeconomics: Demand & Production	4
	English	UAENG4501CR1	Elements of Fiction	4
	History	UAHIS4501CR1	World History from the Renaissance to c.1870	4
	Pol. Sci	UAPOL4501CR1	Introduction to Politics	4
	Psychology	UAPSY4501CR1	Foundations of Psychology	4
	Sociology	UASOC4501CR1	Introduction to Sociology: Theories and Themes	4

Table 7.4: B A Semester I Minor Courses

B A Semester I Minor Courses*				
	Subject	**Code**	**Course Title**	**Credits**
Minor Courses	AICHA	UAAIC4501CR1	Cultural History and Archaeology of Ancient India	4
	Anthropology	UAANT4501MN1	Anthropology: Concepts and Contemporary Issues	4
	Commerce	UACOM4501MN1	Forms of Business Organisation	4
	French	UAFRE4501MN1	Introduction to French Short Stories	4
	Hindi	UAHIN4501MN1	Hindi Fiction (Stories)	4
	Statistics	UASTA4501MN1	Fundamentals of Statistics	4

Note. : The Subjects from this basket remain Minor for all three years of the degree.

Table 7.5: 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
	Anthropology	UAANT4501VS1	Anthropology Today	2
	Commerce (Arts)	UACOM4501VS1	Introduction to Advertising	2
	Economics	UAECO4501VS1	Mathematics for Economic 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
	Statistics	UASTA4501VS1	Data Collection and Visualisation	2

Table 7.6: B A Semester I Skill Enhancement Courses

B A Semester I Skill Enhancement Courses				
	Subject	**Code**	**Course Title**	**Credits**
Skill Enhance	AICHA	UAAIC4501SE1	Study of Numismatics In India	2
	English	UAENG4501SE1	Soft Skills through Literature: Public Speaking	2
	Hindi	UAHIN4501SE1	Hindi Translation: Hindi to English & vice versa	2
	Psychology	UAPSY4501SE1	Stress Management	2
	Sociology	UASOC4501SE1	Introduction to Academic Writing	2

7.1.2 B A Semester II

Table 7.7: B A Semester II Programme Structure

Programme Structure: B A Semester II				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 1	2 Core Subjects from Table 7.8 on page 42	4
CR	2	Core 2 or Minor	or Minor from Table 7.9 on the next page	4
VSC	3	Vocational Skill Courses	1 from Table 7.10 on page 41	2
SEC	4	Skill Enhancement Courses	1 from Table 7.11 on the following page	2
AEC	5	Ability Enhancement Courses	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Open Elective - 3	1 from Group S or C in Table 6.7 on page 37	2
OE-2	9	Open Elective - 4	1 from Group S or C in Table 6.8 on page 37	2
			Total Credits	22

Table 7.8: B A Semester II Core Courses

B A Semester II Core Courses				
	Subject	**Code**	**Course Title**	**Credits**
Core Courses	AICHA	UAAIC4502CR1	Introduction to Indian Archaeology	4
	Economics	UAECO4502CR1	Introductory Microeconomics: Pricing Theories	4
	English	UAENG4502CR1	The Elements of Drama	4
	History	UAHIS4502CR1	Landmarks of World History.	4
	Pol. Science	UAPOL4502CR1	Political Theory	4
	Psychology	UAPSY4502CR1	Fundamentals of Cognition	4
	Sociology	UASOC4502CR1	Sociology: Frameworks, Structures & Institutions	4

Note. : If the student selected 2 subjects from this basket, one will be the Major and the other as Minor from SY.

Table 7.9: B A Semester II Minor Courses

B A Semester II Minor Courses				
	Subject	**Code**	**Course Title**	**Credits**
Minor Courses	Commerce	UACOM4502MN1	Organisation of Commerce and Industry	4
	French	UAFRE4502MN1	Le corpus thématique	4
	Hindi	UAHIN4502MN1	Introduction to Hindi literature	4
	Statistics	UASTA4502MN1	Fundamentals of Statistics (B)	4
	Anthropology	UAANT4502MN1	Socio-Cultural Anthropology: Concepts & Applications	4

Note. : The Subjects from this basket remain Minor for all three years of the degree.

Table 7.10: B A Semester II Vocational Skill Courses

B A Semester II Vocational Skill Courses				
	Subject	**Code**	**Course Title**	**Credits**
Vocational Skill	Anthropology	UAANT4501VS1	Anthropology Today	2
	Commerce	UACOM4501VS1	Accountancy for Beginners	2
	Economics	UAECO4502VS1	Mathematics for Economic Analysis	2
	English	UAENG4501VS1	Soft Skills through Literature: Public Speaking	2
	Hindi	UAHIN4501VS1	Hindi Translation	2
	History	UAHIS4501VS1	Documentary/Documentation of the History of Mumbai	2
	Pol. Science	UAPOL4501VS1	Know Your Rights	2
	Psychology	UAPSY4501VS1	Stress Management and Resilience	2
	Sociology	UASOC4501VS1	Applying Sociology	2
	Statistics	UASTA4501VS1	Data Collection and Visualisation	2

Table 7.11: B A Semester II Skill Enhancement Courses

B A Semester II Skill Enhancement Courses				
	Subject	**Code**	**Course Title**	**Credits**
Skill Enhancement	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
	Management	UCMGS4501SE1	Negotiation and Conflict Management	2

7.1.3 B A Semester III

Table 7.12: B A Semester III Programme Structure

Programme Structure: B A Semester III				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 3	2 Core Subject papers from Table 7.13 on page 43	4
CR	2	Core 4		4
MN	3	Minor 3	refer Table 7.14 on the following page	4
VSC	4	Vocational Skill Course 3	1 from Table 7.15 on page 41	4
AEC	5	Ability Enhancement Course 3	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group S or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project or Community Engagement Programme		4
CC2	8	UXECC5001CC1: Co-Curricular Course 2		4
			Total Credits	22

Table 7.13: B A Semester III Core Courses

B A Semester III Core Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Core Courses	AICHA	UAAIC5001CR1	Cultural History and Archaeology in Ancient Deccan and Early Medieval Period in India	4
		UAAIC5002CR1	Studies in Museology	4
	Economics	UAECO5001CR1	Introduction to Econometrics	4
		UAECO5002CR1	Fundamentals of Macroeconomics	4
	English	UAENG5001CR1	The Elements of Poetry	4
		UAENG5002CR1	Pre and Post Independence Indian Writing in English	4
	History	UAHIS5001CR1	An Outline of Early Indian History - I (3500 BCE-400 CE)	4
		UAHIS5002CR1	History of China and Japan (1900 -2000)	4
	Pol Science	UAPOL5001CR1	The Working of the Indian Constitution	4
		UAPOL5002CR1	Introduction to Public Administration	4
	Psychology	UAPSY5001CR1	Developmental Psychology	4
		UAPSY5002CR1	Psychology of Gender	4
	Sociology	UASOC5001CR1	Classical Theories	4
		UASOC5002CR1	Globalisation and Social Trends	4

Table 7.14: B A Semester III Minor Courses

B A Semester III Minor Courses				
Minor Courses	**Subject**	**Course Code**	**Course Title**	**Credits**
	AICHA	UAAIC5001MN1	Cultural History of South India	4
	Economics	UAECO5001MN1	Basic Macroeconomics	4
	Commerce	UACOM5001MN1	Principles of Management	4
	English	UAENG5001MN1	Introduction to Poetic Form	4
	French	UAFRE5001MN1	Aesthetics of French Poetry	4
	History	UAHIS5001MN1	World History (1945-2000)	4
	Hindi	UAHIN5001MN1	Hindi Vyangya Evam Rekhachitra	4
	Pol Science	UAPOL5001MN1	The Working of Indian Government	4
	Psychology	UAPSY5001MN1	Developmental Psychology: An Introduction	4
	Statistics	UASTA5001MN1	Statistical Techniques (A)	4
	Sociology	UASOC5001MN1	Stratified India	4
	Anthropology	UAANT5001MN1	Introduction to Ethnography: Concepts and Themes	4

Table 7.15: B A Semester III Vocational Skill Courses

B A Semester III Vocational Skill Courses				
Vocational Skills	**Subject**	**Course Code**	**Course Title**	**Credits**
	AICHA	UAAIC5001VS1	Studies in Archival Science	2
	Economics	UAECO5001VS1	Elementary Statistical Techniques for Economic Analysis	2
	English	UAENG5001VS1	Introduction to Cinema	2
	History	UAHIS5001VS1	Crafting Historical Narratives: An Introduction to Educational Content Creation.	2
	Pol Science	UAPOL5001VS1	Introduction to Psephology	2
	Psychology	UAPSY5001VS1	Academic Writing using the APA Style	2
	Sociology	UASOC5001VS1	Sociology of the Body	2

7.1.4 B A Semester IV

Table 7.16: B A Semester IV Programme Structure

Programme Structure: B A Semester IV				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 5	2 papers in Core from Table 7.17 on page 45	4
CR	2	Core 6		4
MN	3	Minor 4	refer Table 7.18 on the next page	4
SEC	4	Vocational Skill Courses 3	1 from Table 7.19 on page 41	2
AEC	5	Ability Enhancement Courses 3	1 from Table 6.2 on page 36	2
OE-1	6	Open Elective - 5	1 from Group S or C in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project or Community Engagement Programme		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

Table 7.17: B A Semester IV Core Courses

B A Semester IV Core Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Core Courses	AICHA	UAAIC5003CR1	Social Organization in Ancient India	4
		UAAIC5004CR1	Development of Heritage Management and Tourism in India	4
	Economics	UAECO5003CR1	Econometric Applications	4
		UAECO5004CR1	Macroeconomics: Theory & Practice	4
	English	UAENG5003CR1	American Literature	4
		UAENG5004CR1	Contemporary Indian Writing in English	4
	History	UAHIS5003CR1	An outline history of Early India - II (100 BCE - 1200 CE)	4
		UAHIS5004CR1	Contemporary Issues in Indian Society and Politics.	4
	Pol Science	UAPOL5003CR1	Indian Government and Politics	4
		UAPOL5004CR1	Public Administration in India	4
	Psychology	UAPSY5003CR1	Social Psychology	4
		UAPSY5004CR1	Psychology of Adjustment	4
	Sociology	UASOC5003CR1	Sociology of Indian Society	4
		UASOC5004CR1	Political Sociology	4

Table 7.18: B A Semester IV Minor Courses

B A Semester IV Minor Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Minor Courses	AICHA	UAAIC5002MN1	History of Indian Forts and Fortification	4
	Anthropology	UAANT5002MN1	Religion and Culture Studies	4
	Commerce	UACOM5002MN1	Organisational Behaviour	4
	Economics	UAECO5002MN1	Theories of Macroeconomics	4
	English	UAENG5002MN1	Identities in Literature: Global Writing in English and English Translation	4
	French	UAFRE5002MN1	French Painting of 19th century	4
	Hindi	UAHIN5002MN1	Introduction to Hindi Poetry	4
	History	UAHIS5002MN1	World History: 1945-2000	4
	Pol Science	UAPOL5002MN1	Basics of Indian Laws	4
	Psychology	UAPSY5002MN1	Social Psychology: An Introduction	4
	Sociology	UASOC5002MN1	Political Economy of Culture and Society	4
	Statistics	UASTA5002MN1	Statistical Techniques (B)	4

Table 7.19: B A Semester IV Skill Enhancement Courses

B A Semester IV Skill Enhancement Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Skill Enhancement	AICHA	UAAIC5001SE1	Studies in Archival Science	2
	Commerce	UACOM5001SE1	Entrepreneurship Management	2
	Economics	UAECO5001SE1	Statistical Techniques for Economic and Business Analysis	2
	Hindi	UAHIN5001SE1	Creative Writing in Hindi	2
	History	UAHIS5001SE1	Crafting Historical Narratives:	2
	Psychology	UAPSY5001SE1	Enhancing Interpersonal Communication and Relationships	2
	Sociology	UASOC5001SE1	Sociology on Stage	2

7.1.5 B A Semester V

Table 7.20: B A Semester V Programme Structure

Programme Structure: B A Semester V				
	P	**Course Code**	**Course Title**	**Credits**
AIHCA	1	UAAIC5501CR1	Evolution of Art and Architecture of Early India	4
	2	UAAIC5502CR1	Brief Survey of Religio-Philosophical Traditions in India	4
	3	UAAIC5503CR1	Study of Protection, Conservation and Preservation of Antiquities	4
	4	Minor	Refer to Table 7.21 on the facing page	2
	5	UAAIC5501EL1	A Study of the Cultural History of World Civilisations	4
	6	UAAIC5501OJ1	OJT	4
			Total Credits	22

Programme Structure: B A Semester V				
	P	**Course Code**	**Course Title**	**Credits**
Economics	1	UAECO5501CR1	Advanced Microeconomics: Game Theoretic Approach	4
	2	UAECO5502CR1	Growth & Development: Theoretical Analysis	4
	3	UAECO5503CR1	Mathematical Techniques for Economics	4
	4	Minor	Refer to Table 7.21 on the next page	4
	5	UAECO5501EL1	Advanced Econometrics	4
		UAECO5502EL1	Evolution of Economic Thought	
	6	UAECO5501OJ1	OJT	4
			Total Credits	22
English	1	UAENG5501CR1	The English Literary World Picture from 1558-1649	4
	2	UAENG5502CR1	The Restoration and Augustan Age	4
	3	UAENG5503CR1	Twentieth Century British Literature	4
	4	Minor	Refer to Table 7.21 on the facing page	2
	5	UAENG5501EL1	Reading Conflict, Ideology and Resolution	4
	6	UAENG5501FP1	Field Project	4
			Total Credits	22
History	1	UAHIS5501CR1	History of Modern India (1750- 1950)	4
	2	UAHIS5502CR1	History of the Marathas (Part I) (1600-1707)	4
	3	UAHIS5503CR1	Introduction to Cinema in 20th Century Mumbai.	4
	4	Minor	Refer to Table 7.21 on the next page	2
	5	UAHIS5501EL1	History of India (c. 1200-1707): Political and Administrative History.	4
	6	UAHIS5501OJ1	OJT Course	4
			Total Credits	22
Psychology	1	UAPSY5501CR1	Psychopathology I	4
	2	UAPSY5502CR1	Cognitive Psychology	4
	3	UAPSY5503CR1	Experimental Psychology and Statistics	4
	4	Minor	Refer to Table 7.21 on the facing page	2
	5	UAPSY5501EL1	Industrial Organisational Psychology	4
		UAPSY5502EL1	Expressive Arts in Education and Health	
		UAPSY5503EL1	Positive Psychology	
	6	UAPSY5501OJ1	On the Job Training	4
			Total Credits	22

Continued ...				
	P	**Course Code**	**Course Title**	**Credits**
Pol Science	1	UAPOL5501CR1	Introduction to International Politics	4
	2	UAPOL5502CR1	Political Processes in Maharashtra - Historical Background	4
	3	UAPOL5503CR1	Citizen's Rights and Protections in India	4
	4	Minor	Refer to Table 7.21	2
	5	UAPOL5501EL1	General Introduction to Law	4
	6	UAPOL5501OJ1	OJT	4
			Total Credits	22
Sociology	1	UASOC5501CR1	Modern Sociological Theory	4
	2	UASOC5502CR1	Urban Sociology	4
	3	UASOC5503CR1	Gender Studies	4
	4	Minor	Refer to Table 7.21	2
	5	UASOC5501EL1	Media Studies	4
		UASOC5502EL1	Sociology of Education	
	6	UASOC5501OJ1	OJT	4
			Total Credits	22

Table 7.21: B A Semester V Minors

Minors: B A Semester V			
Department	**Course Code**	**Course Title**	**Credits**
Commerce	UACOM5501MN1	Human Resource Management	2
Economics	UAECO5501MN1	Economics of Development	2
English	UAENG5001MN1	Reading Prose: Fiction and Non-Fiction	2
French	UAFRE5501MN1	Techniques of Subtitling	2
Hindi	UAHIN5501MN1	Introduction to Hindi Ekanki	2
History	UAHIS5501MN1	Introduction to Museum Studies: History, Management, and Philosophy of Museums	2
Pol Science	UAPOL5501MN1	Cooperation and Challenges in International Politics	2
Psychology	UAPSY5501MN1	Fundamentals of Positive Psychology	2
Statistics	UASTA5501MN1	Multiple Linear Regression	2
Pol Science	UAAIC5501MN1	Political Institutions in Ancient India	2
Sociology	UAANT5501MN1	Introduction to Theory in Social and Cultural Anthropology	2

7.1.6 B A Semester VI

Table 7.22: B A Semester VI Programme Structure

Programme Structure: Semester VI				
	P	**Course Code**	**Course Title**	**Credits**
AIHCA	1	UAAIC5504CR1	Economics Institutions in Ancient India	4
	2	UAAIC5505CR1	Evolution of Art and Architecture of India	4
	3	UAAIC5506CR1	Brief Survey of Religion-Philosophical Thoughts in India Part II	4
	4	Minor	Refer to Table 7.23 on the next page	2
	5	UAAIC5502EL1	A Brief Survey of Science and Technology in Ancient India	4
	6	UAAIC5501VS1	Ancient Indian Literary Arts	
	7	UAAIC5501FP1	Study of Protection, Conservation & Preservation of Indian Monuments	2
			Total Credits	22
Economics	1	UAECO5504CR1	Advanced Macroeconomics	4
	2	UAECO5505CR1	Economic Development: Policy and Applications	4
	3	UAECO5506CR1	Statistical Techniques for Economics	4
	4	Minor	Refer to Table 7.23 on the facing page	2
	5	UAECO5503EL1	Time Series Analysis	4
		UAECO5504EL1	Political Economy	
	6	UAECO5501VS1	Corporate Finance	2
	7	UAECO5501FP1	Industry Field Project	2
			Total Credits	22
English	1	UAENG5504CR1	Romantic and Victorian Literature	4
	2	UAENG5505CR1	Postmodernism	4
	3	UAENG5506CR1	Popular Culture: Critical Approaches	4
	4	Minor	Refer to Table 7.23 on the next page	2
	5	UAENG5501EL2	Narratives of the City	4
	6	UAENG5501VS1	Visual Culture	2
	7	UAENG5501OJ1	On the Job Training	2
			Total Credits	22
History	1	UAHIS5504CR1	History of India after Independence (1947-1984)	4
	2	UAHIS5505CR1	History of Marathas Part II (1708-1818)	4
	3	UAHIS5506CR1	Introduction to Travel and Tourism in India	4
	4	Minor	Refer to Table 7.23 on the facing page	2
	5	UAHIS5502EL1	History of India (c. 1200 -1707): Social, Economic, and Cultural Aspects	4
	6	UAHIS5501VS1	Introduction to Historical Methodology.	2
	7	UAHIS5501FP1	Field Project	2
			Total Credits	22
Pol Science	1	UAPOL5504CR1	International Relations: Major Developments	4
	2	UAPOL5505CR1	Contemporary Issues in Maharashtra Politics	4
	3	UAPOL5506CR1	Select Issues in Indian Polity	4
	4	Minor	Refer to Table 7.23 on the next page	2
	5	UAPOL5502EL1	Basics of Indian Law	4
	6	UAPOL5501VS1	Introduction to Political Journalism	2
	7	UAPOL5501FP!	Field Project	2
			Total Credits	22

Programme Structure: Semester VI				
	P	**Course Code**	**Course Title**	**Credits**
Psychology	1	UAPSY5504CR1	Psychopathology II	4
	2	UAPSY5505CR1	Psychological Testing	4
	3	UAPSY5506CR1	Counselling Systems and Approaches	4
	4	Minor	Refer to Table 7.23	2
	5	UAPSY5501EL1	Industrial Organizational Psychology	4
		UAPSY5502EL1	Expressive Arts in Education and Health	
		UAPSY5503EL1	Positive Psychology	
	6	UAPSY5501VS1	The Art and Science of Influence	2
	7	UAPSY5501FP1	Designing and Executing a Psychoeducational Training Program	2
			Total Credits	22
Sociology	1	UASOC5504CR1	Contemporary Sociological Theory	4
	2	UASOC5505CR1	Sociology of Work and Management	4
	3	UASOC5506CR1	Sociology of Food	4
	4	Minor	Refer to Table 7.23	2
	5	UASOC5503EL1	The Politics of Body, Love and Care	4
		UASOC5504EL1	Sociology of Social Movements	
	6	UASOC5501VS1	Political Economy of Social Development	2
	7	UASOC5501FP1	Field Project	2
			Total Credits	22

Table 7.23: B A Semester VI Minors

Minors: B A Semester VI			
Department	**Course Code**	**Course Title**	**Credits**
AIHCA	UAAIC5502MN1	Introduction to Ethno-Archaeology and Zoo-Archaeology in India	2
Anthropology	UAANT5502MN1	Anthropology of Development	2
Commerce	UACOM5502MN1	Marketing Management	2
Economics	UAECO5502MN1	Resource Planning for Economic Development II	2
English	UAENG5501MN1	Experimental Theatre	2
French	UAFRE5502MN1	Pedagogy of Teaching French as a Foreign Language	2
History	UAHIN5502MN1	Introduction to Hindi Novels: Jungle Ke Jugnoo (Devesh Thakur)	2
Hindi	UAHIS5502MN1	Urban Heritage of Mumbai	2
Psychology	UAPSY5502MN1	Psychology of Group Work	2
Pol Science	UAPOL5502MN1	Challenges in Contemporary World Politics	2
Statistics	UASTA5502MN1	Acturial Sciences	2

7.2 B Sc - Bachelor of Science

There are a total of 21 combinations of subjects (Core and Minor) offered to FY B Sc Students can choose any one of the combinations listed in Table 7.24 on the following page. The core subjects offered are Botany, Chemistry, Geology, Life Science, Mathematics, Microbiology, Physics, Statistics and Zoology. However, Economics is as a minor subject.

Please, note that allocation of the Core and minor subject in the second year is strictly based on merit (i.e performance in Semester I and Semester II) and **availability of seat**.

Table 7.24: Science Subject Combinations

Science Subject Combinations					
1.	Botany + Chemistry	2.	Botany + Life Science	3.	Botany + Zoology
4.	Chemistry + Geology	5.	Chemistry + Physics	6.	Chemistry + Mathematics
7.	Chemistry + Zoology	8.	Geology + Life Science	9.	Physics + Geology
10.	Geology + Mathematics	11.	Geology + Zoology	12.	Life Science + Chemistry
13.	Physics + Life Science	14.	Mathematics + Physics	15.	Mathematics + Statistics
16.	Mathematics + Economics*	17.	Microbiology + Chemistry	18.	Microbiology + Zoology
19.	Microbiology + Physics	20.	Statistics + Physics	21.	Statistics + Economics*
* Fixed Minor Subject					

7.2.1 B Sc Semester I

Table 7.25: B Sc Semester I Programme Structure

Programme Structure: B Sc Semester I				
Course	**P**	**Course Title**	**Particulars**	**Credits**
Core 1	1	Core 1	2 Core Subjects from Table 7.26	4
Core 2	2	Core 2		4
VSC	3	Vocational Skill Courses	1 from Table 7.27 on page 51 2	
SEC	4	Skill Enhancement Courses	refer to Table 7.28 on page 51	2
AEC	5	Ability Enhancement Courses	refer to Table 6.2 on page 36	2
VEC	6	Value Education Course	refer to Table 6.4 on page 36	2
IKS	7	Indian Knowledge System	refer to Table 6.5 on page 36	2
OE-1	8	Open Elective - 1	1 from Group A or C in Table 6.7 on page 37	2
OE-2	9	Open Elective - 2	1 from Group A or C in Table 6.8 on page 37	2
			Total Credits	22

Table 7.26: B Sc Semester I Core Courses

B Sc Semester I Core Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Core Courses	Botany	USBOT4501CR1	Plant Morphology and Anatomy	4
	Chemistry	USCHE4501CR1	Fund. of Organic Chemistry & Periodicity of Elements	4
	Geology	USGEO4501CR1	Introduction to Earth System Sciences	4
	Life Science	USLSC4501CR1	Evolution: Biomolecules to Multicellularity	4
	Mathematics	USMAT4501CR2	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

Note. : Economics remains Minor for all three years of degree.

Table 7.27: B Sc Semester I Vocational Skill Courses

B Sc Semester I Vocational Skill Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Vocational Skill Courses	Botany	USBOT4501VS1	Botanic Gardens	2
	Chemistry	USCHE4501VS1	Basic Chemistry Laboratory Skills	2
	Geology	USGEO4501VS1	Cartography -The science of maps creation & interpretation.	2
	Life Science	USLSC4501VS1	Fundamentals of Spectrophotometry and Microscopy	2
	Mathematics	USMAT4501VS1	Combinatorics	2
	Microbiology	USMIC4501VS2	Staining Techniques for Bacteria	2
	Physics	USPHY4501VS1	Mechanical Measurement Techniques	2
	Statistics	USSTA4501VS1	Data Collection and Visualisation	2
	Zoology	USZOO4501VS1	Biotechniques	2

Table 7.28: B Sc Semester I Skill Enhancement Courses

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

7.2.2 B Sc Semester II

Table 7.29: B Sc Semester II Programme Structure

Programme Structure: B Sc Semester II				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 1	2 Core Subjects from Table 7.30	4
CR	2	Core 2	same as Semester I	4
VSC	3	Vocational Skill Courses	refer to Table 7.31 on page 52	2
SEC	4	Skill Enhancement Courses	refer to Table 7.32 on the next page	2
AEC	5	Ability Enhancement Courses	refer to Table 6.2 on page 36	2
VEC	6	Value Education Course	refer to Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Open Elective - 1	1 from Group A or C in Table 6.7 on page 37	2
OE-2	9	Open Elective - 2	1 from Group A or C in Table 6.8 on page 37	2
			Total Credits	22

Table 7.30: B Sc Semester II Core Courses

B Sc Semester II Core Courses				
Core Courses	**Subject**	**Course Code**	**Course Title**	**Credits**
	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	USMAT4502CR2	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

Note. : Economics remains Minor for all three years of degree.

Table 7.31: B Sc Semester II Vocational Skill Courses

B Sc Semester II Vocational Skill Courses				
Vocational Skills	**Subject**	**Course Code**	**Course Title**	**Credits**
	Economics	UAECO4502VS1	Mathematics for Economic Analysis	2
	Botany	USBOT4501VS1	Botanic Gardens	2
	Chemistry	USCHE4501VS1	ICT Tools in Chemistry	2
	Geology	USGEO4501VS1	Cartography: the Science of Maps, Creation & Interpretation	2
	Life Science	USLSC4501VS1	Fundamentals of Spectrophotometry and Microscopy	2
	Mathematics	USMAT4501VS1	Combinatorics	2
	Microbiology	USMIC4501VS2	Staining Techniques for Bacteria	2
	Physics	USPHY4501VS1	Mechanical Measurement Techniques	2
	Statistics	USSTA4501VS1	Data Collection and Visualisation	2
	Zoology	USZOO4501VS1	Biotechniques	2

Table 7.32: B Sc Semester II Skill Enhancement Courses

B Sc Semester II Skill Enhancement Courses				
Skill Enhancement	**Subject**	**Course Code**	**Course Title**	**Credits**
	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	Introduction to Spectrophotometry and Microscopy	2
	Mathematics	USMAT4502SE1	Quantitative Mathematical Techniques I	2
	B Com (MS)	UCMGS4501SE1	Essentials of Intellectual Property Rights	2

7.2.3 B Sc Semester III

Table 7.33: B Sc Semester III Programme Structure

Programme Structure: B Sc Semester III				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 3	2 Core Subject papers from Table 7.34 on page 43	4
CR	2	Core 4		4
MN	3	Minor 3	refer Table 7.35 on the following page	4
VSC	4	Vocational Skill Course 3	1 from Table 7.36 on page 41	2
AEC	5	Ability Enhancement Courses 3	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project or Community Engagement Programme		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

Table 7.34: B Sc Semester III Core Courses

B Sc Semester III Core Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Core Courses	Botany	USBOT5001CR1	Plant Metabolism	4
		USBOT5002CR1	Plant Life and Utilisation	4
	Chemistry	USCHE5001CR1	Essential of Physical Chemistry	4
		USCHE5002CR1	Chemical bonding and Metallurgy	4
	Geology	USGEO5001CR1	Introduction to Stratigraphy and Palaeontology.	4
		USGEO5002CR1	Geomorphology – Landforms and Processes.	4
	Life Science	USLSC5001CR1	Systemic Physiology	4
		USLSC5002CR1	Enzymes and Metabolic pathways	4
	Mathematics	USMAT5001CR1	Calculus and Analysis	4
		USMAT5002CR1	Linear Algebra I	4
	Microbiology	USMIC5001CR1	Microbial diversity and Eukaryotic Structure	4
		USMIC5002CR1	Chemistry of Cellular Components - Biomolecules	4
	Physics	USPHY5001CR1	Mathematical Physics	4
		USPHY5002CR1	Electric Fields of Static and Moving Charges	4
	Statistics	USSTA5001CR1	Statistical Methods (A)	4
		USSTA5002CR1	Sampling Techniques	4
	Zoology	USZOO5001CR1	Comparative Anatomy	4
		USZOO5002CR1	Comparative Physiology	4

Table 7.35: B Sc Semester III Minor Courses

B Sc Semester III Minor Courses				
Minor Courses	**Subject**	**Course Code**	**Course Title**	**Credits**
	Botany	USBOT5001MN1	Anatomy and Embryology	4
	Chemistry	USCHE5001MN1	Basic Synthetic Chemistry and Green Chemistry	4
	Economics	USECO5001MN1	Principle of Macroeconomics	4
	Geology	USGEO5001MN1	Rock-forming and Ore Minerals	4
	Life Science	USLSC5001MN1	Fundamentals of Physiology	4
	Mathematics	USMAT5001MN1	Analysis and Linear Transformations	4
	Microbiology	USMIC5001MN1	Diversity of microscopic life	4
	Physics	USPHY5001MN1	Mathematical tools for sciences	4
	Statistics	USSTA5001MN1	Statistical Techniques (A)	4
	Zoology	USZOO5001MN1	Economic Zoology	4

Table 7.36: B Sc Semester III Vocational Skill Courses

B Sc Semester III Vocational Skill Courses				
Vocational Skills	**Subject**	**Course Code**	**Course Title**	**Credits**
	Botany	USBOT5001VS1	Basics of Spices and Condiments	2
	Chemistry	USCHE5001VS1	Fundamentals of Chromatographic Technologies	2
	Geology	USGEO5001VS1	Geological Sample Collection and Processing Techniques.	2
	Life Science	USLSC5001VS1	Basic Microbiology and Techniques in Microbiology	2
	Mathematics	USMAT5001VS1	Ordinary Differential Equations	2
	Microbiology	USMIC5001VS1	Quantitative analysis of biomolecules	2
	Physics	USPHY5001VS1	Electrical measurement techniques	2
	Statistics	USSTA5001VS1	Operations Research	2
	Zoology	USZOO5001VS1	Biostatistics	2

7.2.4 B Sc Semester IV

Table 7.37: B Sc Semester IV Programme Structure

Programme Structure: B Sc Semester IV				
Course	**P**	**Course Title**	**Particulars**	**Credits**
CR	1	Core 3	2 Core Subject papers from Table 7.38 on page 43	4
CR	2	Core 4		4
MN	3	Minor 3	refer Table 7.39 on the next page	4
SEC	4	Vocational Skill Courses 3	1 from Table 7.40 on page 41	2
AEC	5	Ability Enhancement Courses 3	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 6	1 from Group A or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project or Community Engagement Programme		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

Table 7.38: B Sc Semester IV Core Courses

B Sc Semester IV Core Courses				
	Subject	**Code**	**Course Title**	**Credits**
Core Courses	Botany	USBOT5003CR1	Angiosperm Families	4
		USBOT5004CR1	Pharmacognosy	4
	Chemistry	USCHE5003CR1	Chemistry of Aromatic Compounds and Stereochemistry	4
		USCHE5004CR1	Classical and Instrumental Methods in Analytical Chemistry	4
	Geology	USGEO5003CR1	Essentials of Mineralogy, Crystallography and Mineral Optics.	4
		USGEO5004CR1	Hydrogeology and Water Management Systems in India.	4
	Life Science	USLSC5003CR1	Applied Physiology	4
		USLSC5004CR1	Molecular Biology	4
	Mathematics	USMAT5003CR1	Multivariable Differential Calculus	4
		USMAT5004CR1	Linear Algebra II	4
	Microbiology	USMIC5003CR1	DNA structure and replication	4
		USMIC5004CR1	Medical Microbiology and Epidemiology	4
	Physics	USPHY5003CR1	Basic Optics	4
		USPHY5004CR1	Electrodynamics and its applications	4
	Statistics	USSTA5003CR1	Statistical Methods (B)	4
		USSTA5004CR1	Analysis of Variance & Design of Experiments	4
	Zoology	USZOO5003CR1	Evolution	4
		USZOO5004CR1	Animal Behaviour	4

Table 7.39: B Sc Semester IV Minor Courses

B Sc Semester IV Minor Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Minor Courses	Botany	USBOT5002MN1	Analytical Tools	4
	Chemistry	USCHE5002MN1	Chemical Bonding & Co-ordination Chemistry	4
	Geology	USGEO5002MN1	Petrology.	4
	Life Science	USLSC5002MN1	Fundamentals Molecular Biology	4
	Mathematics	USMAT5002MN1	Multivariable Differential Calculus and Eigen Vectors	4
	Microbiology	USMIC5002MN1	Introduction to infectious diseases and chemotherapy	4
	Zoology	USZOO5002MN1	Parasitology	4
	Physics	USPHY5002MN1	Introduction to light and its properties	4
	Statistics	USSTA5002MN1	Statistical Techniques (B)	4
	Economics	USECO5002MN1	Macroeconomics: Policy and Applications	4

Table 7.40: B Sc Semester IV Skill Enhancement Courses

B Sc Semester IV Skill Enhancement Courses				
	Subject	**Course Code**	**Course Title**	**Credits**
Skill Enhancement	Botany	USBOT5001SE1	Floriculture	2
	Chemistry	USCHE5001SE1	Essentials of Instrumentation Chemistry	2
	Geology	USGEO5001SE1	Surveying and Geological Mapping Techniques.	2
	Life Science	USLSC5001SE1	Centrifugation and Chromatography	2
	Mathematics	USMAT5001SE1	Quantitative Mathematical Techniques II	2
	Zoology	USZOO5001SE1	Philosophy of Science	2

7.2.5 B Sc Semester V

Table 7.41: B Sc Semester V Programme Structure

Programme Structure: B Sc Semester V				
	P	**Course Title**	**Particulars**	**Credits**
Botany	1	USBOT5501CR1	Molecular Biology and Biotechnology	4
	2	USBOT5502CR1	Anatomy, Embryology and Palynology	4
	3	USBOT5503CR1	Plant Systematics	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USBOT5501EL1	Herbal Cosmetics and Wellness Products	4
	6	USBOT5501OJ1	OJT	4
			Total Credits	22
Chemistry	1	USCHE5501CR1	Molecular Spectroscopy	4
	2	USCHE5502CR1	Acid-Base Chemistry and Redox Reactions	4
	3	USCHE5503CR1	Organic Reactions Mechanism and Spectrometric Identification	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USCHE5501EL1	Photochemistry and Macromolecules	4
		USCHE5502EL1	Color Chemistry	
		USCHE5503EL1	Pharmaceutical and Industrial Chemistry	
	6	USCHE5501OJ1	OJT	4
			Total Credits	22
	P	**Course Code**	**Course Title**	**Credits**
Geology	1	USGEO5501CR1	Precambrian Geology of India	4
	2	USGEO5502CR1	Igneous Petrology	4
	3	USGEO5503CR1	Structural Geology	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USGEO5501EL1	Remote Sensing and Image Interpretation	4
	6	USGEO5501VS1	Applied Engineering Geology and Geo-techniques	2
	7	USGEO5501FP1	Field Mapping in Geology - Planning and Execution	2
			Total Credits	22
Life Science	1	USLSC5501CR1	Genes and Genomes	4
	2	USLSC5502CR1	Developmental Biology	4
	3	USLSC5503CR1	Biostatistics	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USLSC5501EL1	Bioprocess Technology	4
		USLSC5502EL1	Biophysical and Biochemical Techniques	
	6	USLSC5501OJ1	On Job Training	4
			Total Credits	22
Mathematics	1	USMAT5501CR1	Multivariable Integral Calculus	4
	2	USMAT5502CR1	Group Theory	4
	3	USMAT5503CR1	Topology of Metric Spaces I	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USMAT5501EL1	Numerical Methods I	4
		USMAT5502EL1	Graph Theory	
	6	USMAT5501OJ1	On Job Training (OJT)	4
			Total Credits	22

Programme Structure: B Sc Semester V				
	P	**Course Code**	**Course Title**	**Credits**
Microbiology	1	USMIC5501CR1	Gene Expression in Prokaryotes and Eukaryotes	4
	2	USMIC5502CR1	Medical Microbiology	4
	3	USMIC5503CR1	Bioenergetics, Enzymology, and Metabolism	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USMIC5501EL1	Food Microbiology	4
		USMIC5502EL1	Industrial Microbiology	
	6	USMIC5501OJ1	On Job Training (OJT)	4
			Total Credits	22
Statistics	1	USSTA5501CR1	Probability Theory	4
	2	USSTA5502CR1	Theory of Estimation	4
	3	USSTA5503CR1	Applied Statistics-I	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USSTA5501EL1	Acturial Sciences	4
	6	USSTA5501OJ1	OJT	4
			Total Credits	22
Zoology	1	USZOO5501CR1	Endocrinology	4
	2	USZOO5502CR1	Biomolecules and Metabolism	4
	3	USZOO5503CR1	Molecular Biology	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USZOO5501EL1	Parasitology	4
		USZOO5502EL1	Ecology	
	6	USZOO5501OJ1	OJT	4
			Total Credits	22

Programme Structure: B Sc Semester V				
	P	**Course Title**	**Particulars**	**Credits**
Zoology	1	USZOO5501CR1	Endocrinology	4
	2	USZOO5502CR1	Biomolecules and Metabolism	4
	3	USZOO5503CR1	Molecular Biology	4
	4	Minor	Refer to Table **??** on page ??	2
	5	USZOO5501EL1	Parasitology	4
		USZOO5502EL1	Ecology	
	6	USZOO5501OJ1	OJT	4
			Total Credits	22

7.2.6 B Sc Semester VI

Table 7.42: B Sc Semester VI Programme Structure

Programme Structure: B Sc Semester VI				
	P	**Course Code**	**Course Title**	**Credits**
Botany	1	USBOT5504CR1	Plant Growth Physiology	4
	2	USBOT5505CR1	Environmental Botany	4
	3	USBOT5506CR1	Analytical Tools in Botany	4
	4	Minor	Refer to Table 7.43 on the next page	2
	5	USBOT5502EL1	Horticulture	4
	6	USBOT5501VS1	Food Preservation Techniques	2
	7	USBOT5501FP1	Field Project	2
			Total Credits	22
	P	**Course Code**	**Course Title**	**Credits**
Chemistry	1	USCHE5504CR1	Electrochemistry and Phase Equilibria	4
	2	USCHE5505CR1	Coordination Chemistry	4
	3	USCHE5506CR1	Advanced Instrumental Techniques in Analytical Chemistry	4
	4	Minor	Refer to Table 7.43 on the facing page	2
	5	USCHE5504EL1	Bioinorganic and Organometallic Chemistry	4
		USCHE5505EL1	Chemistry of Drugs	
		USCHE5506EL1	Mathematics and Statisitcs in Chemistry	
	6	USCHE5501VS1	Environmental Chemistry and Food Science	2
	7	USCHE5501FP1	Field Project in Chemistry	2
			Total Credits	22
Geology	1	USGEO5504CR1	Phanerozoic Geology of India	4
	2	USGEO5505CR1	Metamorphic Petrology	4
	3	USGEO5506CR1	Sedimentary Petrology	4
	4	Minor	Refer to Table 7.43 on the next page	2
	5	USGEO5502EL1	Photogeology, Photogrammetry and GIS	4
	6	USGEO5501OJ1	Practical Geological Mapping and Instrumentation	4
			Total Credits	22
Life Science	1	USLSC5504CR1	Fundamentals of Immunology	4
	2	USLSC5505CR1	Fundamental Neuroscience	4
	3	USLSC5506CR1	Ecology and Biodiversity	4
	4	Minor	Refer to Table 7.43 on the facing page	2
	5	USLSC5503EL1	Climate Change and Carbon Management	4
		USLSC5504EL1	Bioinformatics	
	6	USLSC5501VS1	Traditional Knowledge and IPR	2
	7	USLSC5501FP1	Field Project	2
			Total Credits	22
Mathematics	1	USMAT5504CR1	Complex Analysis	4
	2	USMAT5505CR1	Ring theory	4
	3	USMAT5506CR1	Topology of Metric Spaces II	4
	4	Minor	Refer to Table 7.43 on the next page	2
	5	USMAT5503EL1	Numerical Methods II	4
		USMAT5504EL1	Number Theory	
	6	USMAT5501VS1	Mathematical Computations Using Python Programming	2
	7	USMAT5501FP1	Field Projects	2
			Total Credits	22

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Programme Structure: B Sc Semester VI				
	P	**Course Code**	**Course Title**	**Credits**
Microbiology	1	USMIC5504CR1	Mutation, DNA Repair and Gene Regulation	4
	2	USMIC5505CR1	Fundamentals of Immunology	4
	3	USMIC5506CR1	Virology	4
	4	Minor	Refer to Table 7.43	2
	5	USMIC5501EL1	Food Microbiology	4
		USMIC5502EL1	Industrial Microbiology	
	6	USMIC5501VS1	Statistical Analysis and Presentation of Biological Data	2
	7	USMIC5501FP1	Microbiological Analyses of Water	2
			Total Credits	22
Statistics	1	USSTA5504CR1	Probability Distributions and Stochastic Processes	4
	2	USSTA5505CR1	Testing of Hypothesis	4
	3	USSTA5506CR1	Applied Statistics-II	4
	4	Minor	Refer to Table 7.43	2
	5	USSTA5502EL1	Applied Statistics	4
	6	USSTA5501VS1	Statistical Computing using R	2
	7	USSTA5501FP1	Field Project	2
			Total Credits	22
Zoology	1	USZOO5504CR1	Developmental Biology	4
	2	USZOO5505CR1	Cell Biology	4
	3	USZOO5506CR1	Immunology	4
	4	Minor	Refer to Table 7.43	2
	5	USZOO5503EL1	Entomology	4
		USZOO5504EL1	Conservation Biology	
	6	USZOO5501VS1	Maintenance and Curation of Animal Specimens	2
	7	USZOO5501FP1	Field Project	2
			Total Credits	22

Table 7.43: B Sc Semester VI Minors

Minors: B Sc Semester VI			
Subject	**Course Code**	**Course Title**	**Credits**
Botany	USBOT5502MN1	Diversity of Flowering Plants	2
Chemistry	USCHE5502MN1	Bioinorganic Chemistry	2
Geology	USGEO5502MN1	Key Concepts and Techniques in Structural Geology	2
Life Science	USLSC5502MN1	Carbon Management and Legislation	2
Mathematics	USMAT5502MN1	Integral Transforms II	2
Microbiology	USMIC5502MN1	Introduction to Industrial Microbiology	2
Statistics	USSTA5502MN1	Acturial Sciences	2
Zoology	USZOO5502MN1	Adaptive Physiology	2
Economics	USECO5502MN1	Applied Econometrics	2

7.3 B Com - (Financial Accounting and Auditing)

7.3.1 Introduction

Decree 4 of the 32nd General Congregation (1975) of the Society of Jesus laid the conceptual framework for establishing the Commerce Section, designed to support underprivileged working students through an evening college format. Consequently, in 1988, the Bombay Province of the Society of Jesus launched the Commerce Section at St. Xavier's College.

Lectures in the Commerce Section are scheduled in the afternoon **(02.00 pm - 07.30 pm)**, allowing students to pursue internships, industry apprenticeships, CA articleship, or part-time employment during the day while continuing their education seamlessly. As an autonomous college since 2010, the Bachelor of Commerce (B Com) program syllabus has been continuously upgraded to meet 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. 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. A few of the alumni of the commerce section have also been admitted to premier IIMs of India, and a 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 degree programme 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 authorised Board or competent authority.

7.3.3 B Com (FA&A) Semester I

Table 7.44: B Com (FA&A) Semester I Programme Structure

Programme Structure: B Com (FA&A) Semester I				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM4501CR1	Financial Accounting-I	4
Minor	2	UCCOM4501MN1	Business Environment & Management	4
		UCCOM4502MN1	Business Economics - I	
VSC	3	UCCOM4501VS1	Spreadsheet & DBMS	2
		UCCOM4502VS1	Business Communication	
		UCCOM4503VS1	Elementary Statistical Techniques I	
SEC	4	UCCOM4503SE1	Intellectual Property Rights for Beginners	2
		UCCOM4504SE1	Elementary Business Mathematics I	
		UCCOM4507SE1	Introduction to Advertising	
AEC	5	UCCOM4501AE1	Communication Skills in English (DivA)	2
		UAHIN4501AE1	Introduction to Hindi Stores (Div B)	
VEC	6	UXCOI4501VE1	The Constitution of India	2
IKS	7	UXIKS4501GN1	Introduction to Indian Knowledge System	2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.6 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or S in Table **??** on page ??	2
			Total Credits	22

7.3.4 B Com (FA&A) Semester II

Table 7.45: B Com (FA&A) Semester II Programme Structure

Programme Structure: B Com (FA&A) Semester II Courses				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM4502CR1	Financial Accounting-II	4
Minor	2	UCCOM4503MN1	Services Sector	4
		UCCOM4504MN1	Business Economics - II	
VSC	3	UCCOM4501VS1	Spreadsheet & DBMS	2
		UCCOM4504VS1	Introduction to Mass Communication	
		UCCOM4505VS1	Public Speaking and Leadership	
		UCCOM4506VS1	Statistical Techniques	
SEC	4	UCCOM4501SE1	Business Mathematics	2
		UCCOM4505SE1	Financial Planning and Budgeting	
		UCCOM4506SE1	Branding - Personal and Corporate	
AEC	5	UCCOM4501AE1	Communication Skills in English (Div B)	2
		UAHIN4501AE1	Introduction to Hindi Stores (Div A)	
VEC	6	UXEVS4501VE1	Environmental Studies	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.6 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or S in Table **??** on page ??	2
			Total Credits	22

7.3.5 B Com (FA&A) Semester III

Table 7.46: B Com (FA&A) Semester III Programme Structure

Programme Structure: B Com (FA&A) Semester III				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM5001CR1	Advanced Partnership Accounting	4
	2	UCCOM5002CR1	Accounting for Managerial Decisions	4
Minor	3	UCCOM5001MN1	Human Resource Management	4
		UCCOM5002MN1	Macroeconomics - I	
VSC	4	UCCOM5001VS1	Financial Technology and Analytics	2
		UCCOM5002VS1	Interpersonal and Presentation Skills	
		UCCOM5003VS1	Introduction to Operation Research	
AEC	5	UCCOM5001AE1	Effective Communication in English	2
		UAHIN5001AE1	Medieval Hindi Poetry	
OE-1	6	Open Elective - 5	1 from Group A or S in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project or Community Engagement Programme		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

7.3.6 B Com (FA&A) Semester IV

Table 7.47: B Com (FA&A) Semester IV Programme Structure

Programme Structure: B Com (FA&A) Semester IV				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM5003CR1	Corporate Finance Fundamentals	4
	2	UCCOM5004CR1	Financial Management	
Minor	3	UCCOM5003MN1	Finance and Capital Market	4
		UCCOM5004MN1	Macroeconomics- II	
SEC	4	UCCOM5001SE1	Elementary Business Law	2
		UCCOM5002SE1	Public Relations	
		UCCOM5003SE1	Advanced Operation Research	
AEC	5	UCCOM5001AE1	Effective Communication in English	2
		UAHIN5001AE1	Medieval Hindi Poetry	
OE	6	Open Elective - 6	1 from Group A or S in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project or Community Engagement Programme		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

7.3.7 B Com (FA&A) Semester V

Table 7.48: B Com (FA&A) Semester V Programme Structure

Programme Structure: B Com (FA&A) Semester V				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM5501CR1	Strategic Accounting	4
	2	UCCOM5502CR1	Cost Accounting	4
	3	UCCOM5503CR1	Direct Tax -Income Tax	4
Minor	4	UCCOM5501MN1	Entrepreneurship Development	2
		UCCOM5502MN1	Public Finance	
Elective	5	UCCOM5501EL1	Corporate Laws	4
		UCCOM5502EL1	Managerial Economics I	
		UCCOM5503EL1	Fundamentals of Marketing	
OJT	6	UCCOM5501OJ1	OJT	4
			Total Credits	22

7.3.8 B Com (FA&A) Semester VI

Table 7.49: B Com (FA&A) Semester VI Programme Structure

Programme Structure: B Com (FA&A) Semester VI				
Course	**P**	**Course Code**	**Course Title**	**Credits**
Core	1	UCCOM5504CR1	Advanced Financial Reporting & Specialized Entity Accounting	4
	2	UCCOM5505CR1	Audit and Corporate Governance	4
	3	UCCOM5506CR1	Indirect Taxes - GST and Customs	4
Minor	4	UCCOM5503MN1	Financial Markets, Institutions and Services	2
		UCCOM5504MN1	International Economics	
Elective	5	UCCOM5504EL1	Banking and Insurance	4
		UCCOM5505EL1	Managerial Economics - Macroeconomic Approach	
		UCCOM5506EL1	Insurance and Risk Management	
VSC	6	UCCOM5501VS1	Personal Tax Planning	2
		UCCOM5502VS1	Investing in Stock Markets	
FP	7	UCCOM5501FP1	Field Project	2
			Total Credits	22

8. Undergraduate (Self-Financed) Programmes

Table 8.1: Self Financed Subject Combinations

Self Finance Subject Combinations			
Sr. No	**Core**	**+**	**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 - 10	Mass Media and Journalism	+	Management Studies, Accounting and Finance, Information Technology Mass Media and Journalism
11 - 13	Management Studies	+	Mass Media and Journalism, Accounting and Finance, Information Technology
14 - 15	Biotechnology & Computational Biology	+	Management Studies, Information Technology
16 - 17	Data Science & Artificial Intelligence	+	Management Studies, Information Technology

8.1 Minors for Self-financed Courses

Table 8.2: Semester I Minors for Self-financed Courses

Semester I Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
MCJ	UAMCJ4501MN1	Introduction to Advertising	4
	UAMCJ4504MN1	Peace and Conflict Management	4
IT	USITY4501MN1	Basics of Python Programming	4
Commerce (MS)	UCMGS4501MN1	Fundamentals of Management	4
Commerce (A&F)	UCACF4501MN1	Introduction to Accounting	4
	UCACF4503MN1	Introduction to Financial Markerts	4
IT	USDSA4501MN1	Foundations of Business Management	4
BCB DSAI			4 4

Table 8.3: Semester II Minors for Self-financed Courses

Semester II Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
MCJ	UAMCJ4502MN1	Digital Content and Marketing	4
	UAMCJ4503MN1	Sociology Change and Management	4
IT	USITY4502MN1	Database Management System	4
Commerce (MS)	UCMGS4502MN1	Economics for Managers	4
Commerce (A&F)	UCACF4502MN1	Elements of Tax	4
	UCACF4504MN1	Insurance and Capital Market	4
IT	USDSA4502MN1	Basics of Business Analytics	4
BCB			4

Table 8.4: Semester III Minors for Self-financed Courses

Semester III Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
MCJ	UAMCJ5001MN1	Introduction to Strategic Communication	4
	UAMCJ5002MN1	Introduction to Political Science and Public Administration	4
IT	USITY5001MN1	Data Analytics and Artificial Intelligence	4
Commerce (MS)	UCMGS5001MN1	Fundamentals of Organisational Behaviour	4
Commerce (A&F)	UCACF5001MN1	Auditing and Accounting Tools	4
	UCACF5002MN1	Equity and Debt Markets	4
BCB			4
Statistics			4
DSAI	USDSA5001MN1	Data Engineering and Visualization	4

Table 8.5: Semester IV Minors for Self-financed Courses

Semester IV Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
MCJ	UAMCJ5003MN1	News Reporting and Feature Writing	4
	UAMCJ5004MN1	Introduction to Media Psychology	4
IT	USITY5002MN1	Unsupervised learning in Data Science	4
Commerce (MS)	UCMGS5002MN1	Elements of Service Sector Management	4
Commerce (A&F)	UCACF5003MN1	Corporate Accounting and Financial Analysis	4
	UCACF5004MN1	Mutual Fund Management	4
BCB			4
Statistics			4
BSAI	USDSA5002MN1	Data Warehousing and Data Mining	4

Table 8.6: Semester V Minors for Self-financed Courses

Semester V Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
BA (MCJ)	UAMCJ5501MN1	Fundamentals of Influencer & Celebrity Marketing	2
	UAMCJ5502MN1	Critical Thinking	
B Sc (IT)	USITY5501MN1	Data Visualisation	2
B Com (MS)	UCMGS5501MN1	Essentials of Strategic Management	2
B Com (BAF)	UCACF5501MN1	Business Analysis & Prospective Analysis	2
	UCACF5502MN1	Fundamentals of Futures and Forward Market	

Table 8.7: Semester VI Minors for Self-financed Courses

Semester VI Minors for Self-financed Courses			
Department	**Course Code**	**Course Title**	**Credits**
BA (MCJ)	UAMCJJ5503MN1	Principles of Design	2
	UAMCJJ5504MN1	International Relations	
B Sc (IT)	USITY5502MN1	Enterprise Resource Planning	2
B Com (MS)	UCMGS5502MN1	Fundamentals of Entrepreneurship	2
B Com (BAF)	UCACF5503MN1	Business Valuation & Valuation Application	2
	UCACF5504MN1	Fundamentals of Options and Swaps	

8.2 B A (MCJ) - Mass Communication and 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 specialisations 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 degrees in brand management, digital marketing, journalism, visual arts & design, filmmaking and Policy. Some have also become Entrepreneurs in media-related businesses.

8.2.2 Number of Students: 120 Students

8.2.3 Eligibility: A candidate to be eligible for admission to the B A (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, three or four years duration after passing the Secondary School Certificate (SSC) examination conducted by the Board of Technical Education, Maharashtra State or equivalent examination.

8.2.4 Eligibility Certificate: refer to Section 4.3 on page 22.

8.2.5 Admission Criteria: For the B A (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 on page 19 and 4.1.6 on page 19. Also, refer to 4.1.10 on page 20 and Table 4.2 on page 21.

8.2.6 Minimum Requirement of Marks in Qualifying Examinations: 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 on page 23, 4.4 on page 22 and 4.5 on page 23.

8.2.8 B A (MCJ) Semester I

Table 8.8: B A (MCJ) Semester I Programme Structure

Programme Structure: B A (MCJ) Semester I				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAMCJ4501CR1	Mass Communication, Society & Change	4
MN	2	Minor	refer to Table 8.2 on page 64	4
VSC	3	UAMCJ4501VS1	Visual Design & Communication	2
		UAMCJ4502VS1	Computer Graphics & Web design	
SEC	4	UAMCJ4501SE1	Storytelling in the Digital Age	2
		UAMCJ4502SE1	Podcast and Community Radio	
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.2.9 B A (MCJ) Semester II

Table 8.9: B A (MCJ) Semester II Programme Structure

Programme Structure: B A (MCJ) Semester II				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAMCJ4502CR1	History of Ideas	4
MN	2	Minor	refer to Table 8.3 on page 65	4
VSC	3	UAMCJ4502VS1	Computer Graphics & Web design	2
SEC	4	UCMCJ4501SE1	Essentials of Intellectual Property Rights	2
		UAMCJ4502SE1	Podcast and Community Radio	
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.2.10 B A (MCJ) Semester III

Table 8.10: B. A (MCJ) Semester III Programme Structure

Programme Structure: B A (MCJ) Semester III Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAMCJ5001CR1	Media Laws and Internet Governance	4
	2	UAMCJ5002CR1	Cultural Studies	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	UAMCJ5001VS1	Business of Culture	2
AEC	5	Ability Enhancement Course	refer Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group C or S in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.2.11 B A (MCJ) Semester IV

Table 8.11: B. A (MCJ) Semester IV Programme Structure

Programme Structure: B A (MCJ) Semester IV Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	USITY5003CR1	Digital Marketing	4
	2	UAMCJ5004CR1	Introduction to Creative Advertising	4
MN	3	Minor	refer to Table 8.5 on page 65	4
SEC	4	UAMCJ5001SE1	Photography	2
AEC	5	Ability Enhancement Course	refer Table 6.3 on page 36	2
OE-1	6	Open Elective - 6	1 from Group C or S in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.2.12 B A (MCJ) Semester V

Table 8.12: B A (MCJ) Semester V Programme Structure

Programme Structure: B A (MCJ) Semester V Courses				
Course	**P**	**Course Code**	**Course Title**	**Credit**
CR	1	UAMCJ5501CR1	Brand Management and Consumer Behaviour	4
CR	2	UAMCJ5502CR1	Introduction to Journalism	4
CR	3	UAMCJ5503CR1	Film Reading & Appreciation	4
MN	3	Minor	refer to Table 8.6 on page 66	2
EL	5	UAMCJ5501EL1	Economics for Media Understanding	4
		UAMCJ5502EL1	Understanding Investments & Financial Markets	
OJ	6	UAMCJ5501OJ1	On Job Training	4
			Total Credits	22

8.2.13 B A (MCJ) Semester VI

Table 8.13: B A (MCJ) Semester VI Programme Structure

Programme Structure: B A (MCJ) Semester VI Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAMCJ5504CR1	International & Global Media Marketing	4
CR	2	UAMCJ5505CR1	Global Media Landscapes	4
CR	3	UAMCJ5506CR1	Introduction to Public Relations & Image management	4
MN	3	Minor	refer to Table 8.7 on page 66	2
EL	5	UAMCJ5503EL1	Mass Media Research	4
		UAMCJ5504EL1	Journalism Key Skills	
VS	6	UAMCJ5501VS1	A/V Editing	2
OJ	7	UAMCJ5501FP1	Field Project	2
			Total Credits	22

8.3 B Sc (IT) - Information Technology

8.3.1 Introduction:

The B Sc (IT) program was initiated in 2007-2008 as one of the self-financed courses at St. Xavier's College. It aims to provide a broad understanding of IT and its applications, covering topics such as Applied Mathematics, Descriptive Statistics, Database Management Systems, Artificial Intelligence, and more. The curriculum is regularly updated to align with industry needs and student interests, with recent additions like Image Processing, Deep Learning, and IoT.

The program spans six semesters and also offers an option for a four-year Honours Degree in Bachelor of Information Technology. It includes a combination of theory, practicals, assignments, and projects, focusing on Programming, Data Analytics, and AI, ensuring graduates are industry-ready.

With the implementation of the National Education Policy (NEP), B Sc (IT) students can choose a minor subject from departments like B Com (Management Studies), B.A (Mass Communication & Journalism), or BAF (Bachelor of Accounting & Finance). Students are required to continue the minor until Semester VI. This core and minor structure is expected to enhance job prospects for B Sc (IT) students.

8.3.2 Number of Students: 60 Students

8.3.3 Eligibility: The eligibility criteria for admission to a B Sc (IT) course require at least 45 per cent 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 per cent weightage to the score obtained in the entrance test and 40 per cent weightage to the marks obtained in the qualifying Class XII Examinations.

8.3.4 Admission Criteria: Refer 4.1.10 on page 20 and Table 4.2 on page 21.

8.3.5 Eligibility Certificate: refer to Section 4.3 on page 22.

8.3.6 Fees: refer to Table 4.3 on page 23, Section 4.5 on page 23 and Section 4.6 on page 23

8.3.7 B Sc (IT) Semester I

Table 8.14: B Sc (IT) Semester I Programme Structure

Programme Structure: B Sc (IT) Semester I				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USITY4501CR1	Applied Mathematics	4
MN	2	Minor	refer to Table 8.2 on page 64	4
VSC	3	USITY4501VS1	The Art of Programming	2
SEC	4	USITY4501SE1	Introduction to Python Programming	2
AEC	5	Ability Enhancement Skill	1 from Table 6.2 on page 36	2
VEC	6	Vocational Education Course	1 from Table 6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group A or C in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or C in Table 6.8 on page 37	2
			Total Credits	22

8.3.8 B Sc (IT) Semester II

Table 8.15: B Sc (IT) Semester II Programme Structure

Programme Structure: B Sc (IT) Semester II Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USITY4502CR1	Descriptive Statistics	4
MN	2	Minor	refer to Table 8.3 on page 65	4
VSC	3	USITY4502VS1	**C++** Programming	2
SEC	4	UCMGS4501SE1	Essentials of Intellectual Property Rights	2
		USITY4502SE1	Advanced Python Programming	
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.7 on page 37	2
			Total Credits	22

8.3.9 B Sc (IT) Semester III

Table 8.16: B Sc (IT) Semester III Programme Structure

Programme Structure: B Sc (IT) Semester III Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USITY5001CR1	Object-Oriented Programming Systems with Java	4
	2	USITY5002CR1	Database Management System and Concepts	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	USITY5001VS1	Web Designing and Programming	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.3.10 B Sc (IT) Semester IV

Table 8.17: B. Sc (IT) Semester IV Programme Structure

Programme Structure: B Sc (IT) Semester IV Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USITY5003CR1	Data Structure using Java	4
	2	USITY5004CR1	Discrete Mathematics and Statistics	4
MN	3	Minor	refer to Table 8.5 on page 65	4
SEC	4	USITY5001SE1	Mobile Application Development	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.3.11 B Sc (IT) Semester V

Table 8.18: B Sc (IT) Semester V Programme Structure

Programme Structure: B Sc (IT) Semester V Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	USITY5501CR1	C# With Asp .NET	4
	2	USITY5502CR1	Introduction To AI	4
	3	USITY5503CR1	Data Warehousing and Data Mining	4
MN	3	Minor	refer to Table 8.6 on page 66	2
EL	5	USITY5501EL1	Modern Operating System	4
		USITY5502EL2	E-Commerce and ERP	
OJ	6	USITY5501OJ1	Internship	4
			Total Credits	22

8.3.12 B Sc (IT) Semester VI

Table 8.19: B Sc (IT) Semester VI Programme Structure

Programme Structure: B Sc (IT) Semester VI Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	USITY5504CR1	Advanced Java	4
	2	USITY5505CR1	Big Data Technologies	4
	3	USITY5506CR1	Software Engineering and Software Testing	4
MN	3	Minor	refer to Table 8.7 on page 66	2
EL	5	USITY5503EL1	Embedded Systems and Introduction to Internet of Things	4
		USITY5504EL2	Image Processing	
VSE	6	USITY5501VS1	Network Security and Internet Technologies	2
RP	7	USITY5501FP1	Project	2
			Total Credits	22

8.4 B Com (MS) - Management Studies

8.4.1 Introduction:

The B Com (MS) programme at St. Xavier's College, Mumbai was started in the Academic Year 2001-02 as a **self-financed** 3-year undergraduate program affiliated with 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 B Com (MS) 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 to equip the students with the requirements of the industry and to also instil in them the confidence to start their 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. Many graduates also pursue higher education in leading international colleges such as London Business School, London School of Economics, UCLA, University of Melbourne and NYU either immediately after graduation or after two to three years of work experience. 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 ventures and businesses that nurture inclusive growth through social entrepreneurship for the benefit of society.

8.4.2 Number of students: 120 Students

8.4.3 Eligibility: A candidate to be eligible for admission to the B Com (MS) degree programme shall have passed the 12^{th} 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 (SSC) examination conducted by the Board of Technical Education, Maharashtra State or equivalent examination.

8.4.4 Eligibility Certificate: refer to Section 4.3 on page 22 .

8.4.5 Admission Criteria: For the B Com (MS) 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 based on the Entrance Test 4.1.2 on page 19 & 4.1.6 on page 19. Also, refer to 4.1.10 on page 20 and Table 4.2 on page 21.

8.4.6 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)

8.4.7 Fees: refer to Table 4.3 on page 23, Table 4.4 on page 22 and Section 4.5 on page 23.

8.4.8 B Com (MS) Semester I

Table 8.20: B Com (MS) Semester I Programme Structure

Programme Structure: B Com (MS) Semester I				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS4501CR1	Principles of Management	4
MN	2	Minor	refer to Table 8.2 on page 64	4
VSC	3	UCMGS4501VS1	Introduction to Business Law	2
SEC	4	UCMGS4501SE1	Essentials of Intellectual Property Rights (for MS)	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or S in Table 6.8 on page 37	2
			Total Credits	22

8.4.9 B Com (MS) Semester II

Table 8.21: B Com (MS) Semester II Programme Structure

Programme Structure: B Com (MS) Semester II				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS4502CR1	Managerial Economics	4
MN	2	Minor	refer to Table 8.3 on page 65	4
VSC	3	UCMGS4502VS1	Elements of Cost Accounting	2
SEC	4	UCMGS4502SE1	Negotiation and Conflict Management	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or S in Table 6.8 on page 37	2
			Total Credits	22

8.4.10 B Com (MS) Semester III

Table 8.22: B Com (MS) Semester III Programme Structure

Programme Structure: BMS Semester III Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS5001CR1	Organisational Behaviour	4
	2	UCMGS5002CR1	Principles of Marketing & Consumer Behaviour	4
MN	3	Minor	refer to Table 8.4 on page 65	2
VSC	4	UCMGS5001VS1	Industrial Law	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or S in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.4.11 B Com (MS) Semester IV

Table 8.23: B Com (MS) Semester IV Programme Structure

Programme Structure: B Com (MS) Semester IV				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS5003CR1	Financial Reporting and Analysis	4
	2	UCMGS5004CR1	Research Methods in Business	4
MN	3	Minor	refer to Table 8.5 on page 65	2
SEC	4	UCMGS5001SE1	Quantitative Methods for Business Decisions	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 6	1 from Group C or S in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.4.12 B Com (MS) Semester V

Table 8.24: B Com (MS) Semester V Programme Structure

Programme Structure:B Com (MS) Semester V Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS5501CR1	Financial Management	4
	2	UCMGS5502CR1	Human Resource Management	4
	3	UCMGS5503CR1	Service Sector Management	4
MN	3	Minor	refer to Table 8.6 on page 66	2
EL	6	UCMGS5501EL1	Indian Financial System	4
		UCMGS5502EL1	Cooperatives & Rural Markets	
		UCMGS5503EL1	Elements of Taxation	
OJ	7	UCMGS5501OJ1	ON JOB TRAINING	4
			Total Credits	22

8.4.13 B Com (MS) Semester VI

Table 8.25: B Com (MS) Semester VI Programme Structure

Programme Structure: B Com (MS) Semester VI Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCMGS5504CR1	Indian Management Thoughts & Practices	4
	2	UCMGS5505CR1	Entrepreneurship & Management of SME	4
	3	UCMGS5506CR1	Supply Chain Management	4
MN	3	Minor	refer to Table 8.7 on page 66	2
EL	5	UCMGS5504EL1	International Finance	4
		UCMGS5505EL1	International Business	
		UCMGS5506EL1	Learning & Development	
VS	6	UCMGS5501VS1	Operations Research	2
FP	7	UCMGS5501FP1	FIELD PROJECT	2
			Total Credits	22

8.5 B Com (A&F) - Accounting and Finance

8.5.1 Introduction:

The B.Com. (A&F) The programme at St. Xavier's College, Mumbai, was started in the Academic Year 2022-23 as a self-financed 3-year undergraduate program affiliated with 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 B Com (A&F) has been designed, keeping in mind the latest industry trends. This will be further 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. Emphasis while imparting content of the various courses of B Com (A&F) is on practical learning extended by the industry experts in respective courses.

8.5.2 Number of Students: 120 Students.

8.5.3 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.

8.5.4 Eligibility Certificate: refer to Section 4.3 on page 22

8.5.5 Fees: refer to 4.3 on page 23

8.5.6 B Com (A&F) Semester I

Table 8.26: B Com (A&F) Semester I Programme Structure

Programme Structure: B Com (A&F) Semester I				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF4501CR1	Fundamentals of Accounting Practices	4
MN	2	Minor	refer to Table 8.2 on page 64	4
VSC	3	UCACF4501VS1	Spreadsheet Application Software	2
SEC	4	UCACF4501SE2	Business Communication & Report Writing	2
AEC	5	Ability Enhancement Course	refer to Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from 6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group A or S in Table 6.8 on page 37	2
			Total Credits	22

8.5.7 B Com (A&F) Semester II

Table 8.27: B Com (A&F) Semester II Programme Structure

Programme Structure: B Com (A&F) Semester II				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF4502CR1	Comprehensive Accounting Practices	4
MN	2	Minor	refer to Table 8.3 on page 65	4
VSC	3	UCACF4502VS2	Accounting through ERP	2
SEC	4	UCACF4502SE1	Fundamentals of Business Legal Framework	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group A or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.5.8 B Com (A&F) Semester III

Table 8.28: B Com (A&F) Semester III Programme Structure

Programme Structure: B Com (A&F) Semester III				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF5001CR1	Partnership and Corporate Accounting	4
	2	UCACF5002CR1	Cost Accounting Tools and Techniques	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	UCACF5001VS1	Data Visualisation for Finance	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group C or S in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.5.9 B Com (A&F) Semester IV

Table 8.29: B Com (A&F) Semester IV Programme Structure

Programme Structure: B Com (A&F) Semester IV				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF5003CR1	Financial Reporting and Reconstruction	4
	2	UCACF5004CR1	Corporate Law and Governance	4
MN	3	Minor	refer to 8.5 on page 65	4
SEC	4	UCACF5001SE1	Analytical Techniques in Management Accounting	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 6	1 from Group A or S in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.5.10 B Com (A&F) Semester V

Table 8.30: B Com (A&F) Semester V Programme Structure

Programme Structure: B Com (A&F) Semester V Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF5501CR1	Advanced Financial Reporting	4
	2	UCACF5502CR1	Advanced Cost Accounting	4
	3	UCACF5503CR1	Income Tax: Theory and Practices	4
MN	3	Minor	refer to Table 8.6 on page 66	2
EL	5	UCACF5501EL1	Security Analysis and Portfolio Management	4
		UCACF5502EL1	Financial Risk Management	
OJT	6	UCACF5501OJ1	On Job Training (OJT) / Interernship	4
			Total Credits	22

8.5.11 B Com (A&F) Semester VI

Table 8.31: B Com (A&F) Semester VI Programme Structure

Programme Structure: B Com (A&F) Semester VI Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UCACF5504CR1	Principles of Auditing and Corporate Governance	4
	2	UCACF5505CR1	Strategic Financial Management & Decision Making	4
	3	UCACF5506CR1	Goods and Services Tax: Theory and Practices	4
MN	3	Minor	refer to Table 8.7 on page 66	2
EL	5	UCACF5503EL1	Fixed Income Securities	4
		UCACF5504EL1	Financial Derivatives	
VSC	6	UCACF5501VS1	Demystifying Investment Banking	2
		UCACF5502VS1	Understanding Strategic Management through Cases	
FP	7	UCACF5501FP1	Field Project	2
			Total Credits	22

8.6 B Sc (BCB) - Biotechnology and Computational Biology

8.6.1 Introduction:

With the rapid expansion of healthcare, agriculture, and environmental solutions, the field of Biotechnology and Computational Biology offers immense opportunities for innovation and driving economic growth. This growing demand from academia, industry, and the Government of India highlights the need for a skilled workforce, making the Undergraduate Programme in Biotechnology and Computational Biology, paired with a minor in Management Studies, Information Technology, or Mass Communication and Journalism, a timely and valuable opportunity for students to gain a well-rounded, interdisciplinary education. This integrated approach will prepare the graduates to excel in diverse fields such as Research and Development, Biotech management, IT solutions for healthcare, or science communication, thus ensuring graduates are not only proficient in their core field but also adaptable professionals ready to take on real-world challenges. The program spans eight semesters and offers an option for a four-year Honours Degree. The emphasis is on applied learning through lab work, projects, and industry and research internships, while providing training in both wet and dry lab skills, data analysis, and bioinformatics tools to equip students with industry-relevant expertise.

8.6.2 Number of Students: 30 Students

8.6.3 Eligibility: Candidates must have passed 10+2 / Higher Secondary Examination or equivalent with science stream (Physics, Chemistry, Biology, Mathematics/IT) from a recognised board. The Qualifying Examinations/ Boards are listed below:

- The final Examination of the 10 + 2 system conducted by any recognised Central / State Board, Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent.

8.6.4 Admission Criteria: Merit selection based on 10+2 / Higher Secondary Examination or equivalent with science stream (Physics, Chemistry, Biology, Mathematics/IT) aggregate marks. Refer 4.1.10 on page 20 and Table 4.2 on page 21.

8.6.5 Eligibility Certificate: refer to Section 4.3 on page 22.

8.6.6 Fees: refer to Table 4.3 on page 23, Section

8.6.7 B Sc (BCB) Semester I

Table 8.32: B Sc (BCB) Semester I Programme Structure

Programme Structure: B Sc (BCB) Semester II Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USBTY4501CR1	From Cells to Systems: Biotechnology & Comp Biology	4
MN	2	Minor	refer to Table 8.2 on page 64	4
VSC	3	USBTY4501VS1	Introduction to Programming: Concepts and Practice	2
SEC	4	USBTY4501SE1	Foundations of Computing and Web Technologies	2
AEC	5	Ability Enhancement Course	refer to Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.9 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.9 on page 37	2
			Total Credits	22

8.6.8 B Sc (BCB) Semester II

Table 8.33: B Sc (BCB) Semester II Programme Structure

Programme Structure: B Sc (BCB) Semester II Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USBTY4502CR1	Foundations of Cell Biology, Genetics, & Biomolecular Science	4
MN	2	Minor	refer to Table 8.3 on page 65	4
VSC	3	USBTY4502VS1	Basic Laboratory Techniques in Biotechnology	2
SEC	4	USBTY4502SE1	Digital Literacy for Biologists	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
CC1	6	UXECC4501CC1: Co-Curricular Course 1		2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.6.9 B Sc (BCB) Semester III

Table 8.34: B Sc (BCB) Semester III Programme Structure

Programme Structure: B Sc (BCB) Semester III Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USBTY5001CR1	Principles of Molecular Biology	4
	2	USBTY5002CR1	Essentials of Biochemistry and Biophysics	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	USBTY5001VS1	Statistics for Biologists	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.6.10 B Sc (BCB) Semester IV

Table 8.35: B. Sc (BCB) Semester IV Programme Structure

Programme Structure: B Sc (BCB) Semester IV Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USBTY5003CR1	Enzymology and Metabolism	4
	2	USBTY5004CR1	Biological Data and Sequence Analysis	4
MN	3	Minor	refer to Table 8.5 on page 65	4
SEC	4	USBTY5001SE1	Fundamental of Microbiology & Laboratory Methods in Microbiology	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.7 B A (E&S)- Economics and Statistics

8.7.1 Introduction

The B.A. Programme in Economics with a minor in Statistics is designed to provide a strong foundation in economic principles and essential statistical skills. This interdisciplinary approach will equip students with the analytical tools highly sought after in today's data-driven economy, opening doors to diverse career paths in finance, analysis, consulting, and beyond. Crucially, the embedded minor in Statistics equips the students with the practical skills to collect, analyse, interpret, and present data effectively. This integrated approach will help the students to develop a nuanced understanding of economic dynamics and the quantitative abilities to thrive in a rapidly evolving world.

8.7.2 Number of Students: 60 Students

8.7.3 Eligibility: Candidates must have passed 10+2 / Higher Secondary Examination or equivalent in any stream from a recognised board.

8.7.4 Admission Criteria: Merit selection based on 10+2 / Higher Secondary Examination or equivalent from any stream, with the aggregate marks.

8.7.5 Eligibility Certificate: Refer point 4.3 in handbook

8.7.6 Fees: Refer 4.3

8.7.7 BA (E&S) Semester I

Table 8.36: BA (E&S) Semester I Programme Structure

Programme Structure: BA (E&S) Semester I Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	UAECO4501CR1	Introductory Microeconomics: Demand And Production	4
MN	2	UASTA4501MN1	Fundamentals of Statistics (A)	4
VSC	3	UAECO4501VS1	Mathematics for Economic Analysis	2
SEC	4	Skill Enhancement Courses	1 from Table 7.6 on page 41	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.7.8 BA (E&S) Semester II

Table 8.37: BA (E&S) Semester II Programme Structure

Programme Structure: BA (E&S) Semester II Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	UAECO4502CR1	Introductory Microeconomics: Pricing Theories- Product Market	4
MN	2	UASTA4502MN1	Fundamentals of Statistics (B)	4
VSC	3	Vocational Skill Courses	1 from Table 7.10 on page 41	2
SEC	4	Skill Enhancement Courses	1 from Table 7.11 on page 42	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.8 on page 37	2
			Total Credits	22

8.7.9 B A (E&S) Semester III

Table 8.38: B. A (E&S) Semester III Programme Structure

Programme Structure: B A (E&S) Semester III Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAECO5001CR1	Introduction to Econometrics	4
	2	UAECO5002CR1	Fundamentals of Macroeconomics	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	UAECO5001VS1	Elementary Statistical Techniques for Economic Analysis	2
AEC	5	Ability Enhancement Course	refer Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group C or S in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.7.10 B A (E&S) Semester IV

Table 8.39: B. A (E&S) Semester IV Programme Structure

Programme Structure: B A (E&S) Semester IV Courses				
Course	**P**	**Course Code/Title**	**Particulars**	**Credit**
CR	1	UAECO5003CR1	Econometric Applications	4
	2	UAECO5004CR1	Macroeconomics: Theory & Practice	4
MN	3	Minor	refer to Table 8.5 on page 65	4
SEC	4	UAMCJ5001SE1	Photography	2
AEC	5	Ability Enhancement Course	refer Table 6.3 on page 36	2
OE-1	6	Open Elective - 6	1 from Group C or S in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

8.8 B Sc (DSAI)- Data Science and Artificial Intelligence

8.8.1 Introduction

The Data Science and Artificial Intelligence (DSAI) programme is designed to equip students with the foundational knowledge and practical skills to thrive in one of the most rapidly evolving and in-demand fields today.

This course blends the analytical rigour of Data Science with the transformative power of Artificial Intelligence. Students will explore how to gather, clean, and analyse large datasets, uncover patterns using machine learning, and build intelligent systems capable of making autonomous decisions.

Throughout the course, students will gain hands-on experience with tools such as Python, Pandas, Scikit-learn, TensorFlow, and SQL, while also developing a deep understanding of concepts such as: Data wrangling and visualisation, Statistical modelling and hypothesis testing, Machine learning algorithms, Neural networks and deep learning, Natural language processing, Ethical AI and responsible data use.

The primary objective of this initiative is to inspire young minds to develop innovative algorithms and strategies, particularly in the domain of Large Language Models (LLMs) and equip students with the essential skills in Data Science and Artificial Intelligence.

In the first two years, the course focuses on building a strong foundation in data science, followed by the development of multiple skill sets required for advanced concepts in Data Analytics, Big Data Analytics, and Artificial Intelligence.

8.8.2 Number of Students: 40 Students

8.8.3 Eligibility: Candidates must have passed 10+2 / Higher Secondary Examination or equivalent with Mathematics as one of the subjects from a recognised board.

8.8.4 Admission Criteria: The eligibility criteria for this course require clearing the qualifying 12th Standard examination in the first attempt and with at least 45 per cent aggregate with Mathematics as one of the subjects. Admissions will be strictly based on the 12th-grade score

8.8.5 Fees: Refer Table 4.3.

8.8.6 B Sc (DSAI) Semester I

Table 8.40: B Sc (DSAI) Semester I Programme Structure

Programme Structure: BA Sc (DSAI) Semester I Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USDSA4501CR1	Introduction to Statistical Analysis	4
MN	2	USDSA4501MN1	Foundations of Business Management	4
VSC	3	USDSA4501VS1	Introduction to Python Programming	2
SEC	4	USDSA4501SE1	Foundation of Data Science	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table6.4 on page 36	2
IKS	7	Indian Knowledge System	1 from Table 6.5 on page 36	2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.9 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.9 on page 37	2
			Total Credits	22

8.8.7 B Sc (DSAI) Semester II

Table 8.41: B Sc (DSAI) Semester II Programme Structure

Programme Structure: B Sc (DSAI) Semester II Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USDSA4502CR1	Data Base Management system	4
MN	2	USDSA4502MN1	Basics of Business Analytics	4
VSC	3	USDSA4502VS1	Essential Maths for data science -1	2
SEC	4	USDSA4502SE1	Probability and Statistical Inference	2
AEC	5	Ability Enhancement Course	1 from Table 6.2 on page 36	2
VEC	6	Value Education Course	1 from Table 6.4 on page 36	2
CC1	7	UXECC4501CC1: Co-Curricular Course 1		2
OE-1	8	Other Elective - 1	1 from Group C or S in Table 6.7 on page 37	2
OE-2	9	Other Elective - 2	1 from Group C or S in Table 6.7 on page 37	2
			Total Credits	22

8.8.8 B Sc (DSAI) Semester III

Table 8.42: B Sc (DSAI) Semester III Programme Structure

Programme Structure: B Sc (DSAI) Semester III Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USDSA5001CR1	Advanced Mathematics for Data Science	4
	2	USDSA5002CR1	Object Oriented Programming	4
MN	3	Minor	refer to Table 8.4 on page 65	4
VSC	4	USDSA5001VS1	Essential Excel Components	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP1/CEP2	7	Field Project 1 or Community Engagement Programme 2		2
CC2	8	UXECC5001CC1: Co-Curricular Course 2		2
			Total Credits	22

8.8.9 B Sc (DSAI) Semester IV

Table 8.43: B. Sc (DSAI) Semester IV Programme Structure

Programme Structure: B Sc (DSAI) Semester IV Courses				
Course	**P**	**Course Code**	**Particulars**	**Credits**
CR	1	USDSA5003CR1	Econometrics	4
	2	USDSA5004CR1	Introduction to Artificial Intelligence	4
MN	3	Minor	refer to Table 8.5 on page 65	4
SEC	4	USDSA5002VS1	Data Structures	2
AEC	5	Ability Enhancement Course	1 from Table 6.3 on page 36	2
OE-1	6	Open Elective - 5	1 from Group A or C in Table 6.10 on page 38	2
FP2/CEP3	7	Field Project 2 or Community Engagement Programme 3		2
CC3	8	UXECC5002CC1: Co-Curricular Course 3		2
			Total Credits	22

9. Postgraduate Science (Aided) Programmes

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 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 and Pass Certificate (Original + 2 attested copies)

9.1.4.2 Baptism Certificate (for Christians)

9.1.4.3 Admissions to the above programme 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 programmes covered in this Section of the handbook based on 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 programme 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 mark sheet 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 eligibility, students should submit to the College Office, within the First Semester, the Passing Certificate and 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 on page 20)

9.1.9 **Total Number of Seats for Aided programme:** 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 (Empowered Autonomous Institute): refer to 4.3 on page 23.

9.1.11 **Reservation of Seats:** Refer to Table 9.1 on the facing page.

Table 9.1: Seat Reservation in PG Programmes (Aided and Self-Financed)
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 in PG Programmes (Aided and Self-Financed)	
Category	**Criteria**
TOTAL SEATS 100% (i.e. 20 or 30 or 40 or 60) M Sc (Aided - 20 seats M Sc (self-financed) - 40/30/20 seats M A (Aided) - 60 seats MA (self-financed) - 30 seats	
Management Quota: 15% of total seats 20 or 30 or 40 or 60 seats	Case A
BALANCE SEATS 85% (i.e. 17 or 25 or 34 or 51)	
Christian Minority: 50% of 85% of 20 or 30 or 40 or 60 seats	Case F/G
General Category: 42% of 85% of 20 or 30 or 40 or 60 seats	Case F/G
Others Persons with Disability Category: 5% of 85% of 20 or 30 or 40 or 60 seats Special Category** (refer to 4.1.10 on page 20).; 3% of 85% of 20 or 30 or 40 or 60 seats	 Case F/G Case F/G
Key: Case A: Only for those the College is obliged to admit and without any quid pro quo. Case F: Admitted based on their Merit Rank which is based on performance at the appropriate Graduation Examinations. Case G: Admitted based on their Merit Rank which is based on performance at the appropriate Graduation examination and performance at the Entrance test.	

9.2 Credit Structure of PG Programmes

Table 9.2: Credit Structure of All Aided PG Programmes

Credit Structure of All Aided PG Programmes								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0	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	
6.5	Sem 3	12	4	0	0	6	22	PG Degree after TY or After 4th year UG
	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 4th year UG								

9.3 M Sc (Botany)

9.3.1 Introduction:

Botany is a discipline of the biological sciences, 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.

To cater to this need, the Botany Department of St. Xavier's College (Empowered Autonomous Institute) offers the M Sc degree in Botany under its autonomous system, which allows us to design our syllabi and our 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 on page 84 and 9.1.9 on page 84. For Reservation Criteria: refer to Table 9.1 on the preceding page.

9.3.3 List Of Courses/Specialisations

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

Table 9.3: M Sc (Botany) Programme Structure

Programme Structure: M Sc (Botany)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester I	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
Semester I	1	PSBOT6501CR1	Ecological Principles	4
	2	PSBOT6502CR1	Archegoniates	4
	3	PSBOT6503CR1	Angiosperms Phylogeny and Nomenclature	4
	4	PSBOT6501EL1	Forensic Botany	4
	5	PSBTY6501RP1	Research Project with Dissertation	6
			Total Credits	22
Semester I	1	PSBOT6504CR1	Stress Physiology	4
	2	PSBOT6505CR1	Taxonomic Characters, Aids and Ethnobotany	4
	3	PSBOT6506CR1	Floral Diversity, Molecular Taxonomy and IPR	4
	4	PSBOT6502EL1	Emerging Trends in Biotechnology	4
		PSBOT6503EL1	Mangrove ecosystem RS	
	5	PSBOT6502RP1	Research Project with Dissertation	6
			Total Credits	22

9.3.4 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 Angiosperms. In addition, it also holds a collection of algae, fungi, and Gymnosperms. The Herbarium also has a well-stocked attached library with 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 some advanced and newly acquired instruments required for practicals.

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 with 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 geological hazards and natural resources such as oil and gas. The Placement Cell of the College helps in connecting our students with such employment avenues.

Table 9.4: M Sc (Geology) Programme Structure

Programme Structure: M Sc (Geology)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	1	PSGEO6004CR1	Igneous Petrology: MagmaticProcesses 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
Semester III	1	PSGEO6501CR1	Micropalaeontology: Principles and Applications	4
	2	PSGEO6502CR1	Hydrogeology: Principles and Practice	4
	3	PSGEO6503CR1	Geophysics: Applications in Exploration	4
	4	PSGEO6501EL1	Energy Resources	4
	5	PSGEO6501RP1	Project based Dissertation - I	6
			Total Credits	22
Semester IV	1	PSGEO6504CR1	Invertebrate Palaeontology and Palaeobiology	4
	2	PSGEO6505CR1	Oceanography and Marine Geology	4
	3	PSGEO6506CR1	Economic Geology and Mining	4
	4	PSGEO6502EL1	Essentials of Engineering Geology	4
		PSGEO6503EL1	Contaminated Site - Investigation and Remediation	
	5	PSGEO6502RP1	Project based dissertation - II	6
			Total Credits	22

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 on page 84 and for number of seats refer to 9.1.9 on page 84. For Reservation Criteria refer to: 9.1 on page 85.

9.4.3 List of Courses

The courses offered in 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 Facilities in the Department

9.4.4.1 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 a standard set of sieves and good binocular zoom microscopes is available. Groundwater 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.

9.4.4.2 Over 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 print, along with digital satellite imagery 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-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 Science & Biochemistry)

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 members 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. There is one Research Guide for M Sc in Life Science by Research 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 on page 84 and 9.1.9 on page 84. For Reservation Criteria: refer to Table 9.1 on page 85.

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

Table 9.5: M Sc (Life Science) Programme Structure

Programme Structure: M Sc (Life Science)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	1	PSLSC6004CR1	Basic Mathematics and Computer-based Statistics	4
	2	PSLSC6005CR1	Immunology	4
	3	PSLSC6006CR1	Ecology and Biodiversity	4
	4	PSLSC6003EL1	Bioinformatics	4
		PSLSC6004EL1	Basic Mathematics and Computer-based Statistics	
	5	PSLSC6002OJ1	OJT/FP/PJ	6
			Total Credits	22
Semester III	1	PSLSC6501CR1	Neuroendocrine and Reproductive Physiology	4
	2	PSLSC6502CR1	Molecular Biology	4
	3	PSLSC6503CR1	Pharmacology and Clinical Research	4
	4	PSLSC6501EL1	Epidemiology and Public Health	4
		PSLSC6502EL1	Routine Diagnostics	
	5	PSLSC6501RP1	Research Project with Dissertation - I	6
			Total Credits	22
Semester IV	1	PSLSC6504CR1	Medical Genetics	4
	2	PSLSC6505CR1	Recombinant DNA Technology	4
	3	PSLSC6506CR1	Cancer Biology and Stem Cell Biology	4
	4	PSLSC6503EL1	Nanotechnology and Toxicology	4
		PSLSC6504EL1	Tissue Culture	
	5	PSLSC6502RP1	Research Project with Dissertation - II	6
			Total Credits	22

9.5.3 Facilities in the Department

9.5.3.1 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.

9.5.3.2 All equipment and requirements for M Sc (by Papers / by Research), along with a common instrumentation facility and library, are available.

9.5.3.3 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.

Table 9.6: M Sc (Microbiology) Programme Structure

Programme Structure: M Sc (Microbiology)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	1	PSMIC6001CR1	Molecular Genetics	4
	2	PSMIC6002CR1	Microbial Biochemistry	4
	3	PSMIC6003CR1	Advances in Immunology	4
	4	PSMIC6001RM1	Research Methodology & Biostatistics	4
	5	PSMIC6001EL2	Cell Biology	4
		PSMIC6002EL1	Building the Entrepreneurial Mindset: Opportunities and Challenges	
	6	PSMIC6001FP1	Field Project	2
			Total Credits	22
Semester II	1	PSMIC6004CR1	Advances in Molecular Genetics and Genomic applications	4
	2	PSMIC6005CR1	Protein and Metabolic Biochemistry	4
	3	PSMIC6006CR1	Virology	4
	4	PSMIC6003EL1	Building the Entrepreneurial Mindset: Opportunities and Challenges	4
		PSMIC6004EL1	Biostatistics and Bioinformatics	
	5	PSMIC6002FP1	Field Project	6
			total Credits	22
Semester III	1	PSMIC6501CR1	Medical and Pharmaceutical Microbiology	4
	2	PSMIC6502CR1	Bioanalytical Techniques	4
	3	PSMIC6503CR1	External project- Experimentation and Presentation	4
	4	PSMIC6501EL1	Bioprocess Technology	4
	5	PSMIC6501RP1	External Project-Dissertation	6
			Total Credits	22
Semester IV	1	PSMIC6504CR1	Microbial Ecology and Environmental Microbiology	4
	2	PSMIC6505CR1	Advances in Biotechnology	4
	3	PSMIC6506CR1	Practical in Applied Microbiology and Writing a Project Report	4
	4	PSMIC6502EL1	Insights into Food Microbiology	4
	5	PSMIC6502RP1	Internal Research Project	6
			Total Credits	22

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 on page 84 to 9.1.9 on page 84. Reservation Criteria: refer to: 9.1 on page 85.

9.6.3 Facilities of the Department

9.6.3.1 It is well-equipped for teaching Modern Microbiology.

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

9.6.3.3 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.

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

10. Postgraduate Arts (Aided) Programme

10.1 M A (Ancient Indian History, Culture and 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 religious 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, practicals and workshops.

10.1.2 Number of Seats: 60 Seats

10.1.3 Reservation of Seats: Refer to Table 9.1 on page 85.

10.1.4 Fees: Total fees refer to 4.3 on page 23

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

10.2 Credit Structure

Table 10.1: AIHCA PG Credit Structure

AICHA PG Programme Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0	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	
6.5	Sem 3	12	4	0	0	6	22	PG Degree after TY or After 4th year UG
	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 4th year UGP								

10.2.1 Eligibility Criteria

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

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

10.2.1.3 For Eligibility/Transfer/Migration Certificates refer to 9.1.5 on page 84 and 9.1.9 on page 84 Note: Read B Sc as B A and M Sc as M A)

Table 10.2: M A (AIHCA) Semester I Programme Structure

Programme Structure: M A (AIHCA)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	1	PAAIC6001CR1	Ancient India Through Ages: From Prehistoric to Early Historic Period.	4
	2	PAAIC6007CR1	Introduction to Buddhist Studies	4
	3	PAAIC6004CR1	Study of Epigraphy and Numismatics of India	4
	4	PAAIC6003RM1	Research Methodology in Ancient Indian History, Culture & Archaeology	4
	5	PAAIC6005EL1	Facets of Indian Arts and Architecture	4
	6	PAAIC6001FP1	Field Project	2
			Total Credits	22
Semester II	1	PAAIC6002CR1	Studies in Indian Archaeology	4
	2	PAAIC6003CR1	Introduction to Pali Language 1	4
	3	PAAIC6005CR1	Ancient India Through Ages: From Classical to Early Medieval Period	4
	4	PAAIC6004EL1	Brief Study of the Comparative Mythology of the World	4
	5	PAAIC6003EL1	Foundations of Tourism Management in India	
	6	PAAIC6001OJ1	On Job Training	6
			Total Credits	22
Semester III	1	PAAIC6501CR1	Religious And Philosophical Thoughts In Ancient India	4
	2	PAAIC6502CR1	Studies In Indian Iconography, Paintings And Temple Architecture	4
	3	PAAIC6503CR1	Studies In Conservation And Restoration	4
	4	PAAIC6501EL1	Introduction to Sanskrit language	4
	5	PAAIC6501RP1	Introduction to Digital Humanities	6
			Total Credits	22
Semester IV	1	PAAIC6504CR1	Museology And Preventive Conservation Of Sites And Collections	4
	2	PAAIC6505CR1	A Study Of The Cultural History Of World Civilisation	4
	3	PAAIC6506CR1	Remedial Conservation Of Tangible Heritage	4
	4	PAAIC602EL1	Introduction To Ancient Script	4
	5	PAAIC6502RP1	Introduction To Digital Archaeology	6
			Total Credits	22

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11. Postgraduate Science (Unaided) Programme

11.1 Credit Structure

Table 11.1: Information Technology and Biotechnology Credit Structure

Information Technology and Biotechnology Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0	Sem 1	14	4	4	0	0	22	PG Diploma after TY
	Sem 2	14	4	0	4	0	22	
	Cum Cr	28	8	4	4	0	44	
6.5	Sem 3	12	4	0	0	6	22	PG Degree after TY or After 4th year UG
	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 4th year UG								

11.2 M Sc (Big Data Analytics)

11.2.1 Introduction: Data today is treated as a source of energy, in any venture, as they point out to our yesteryears, 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 (Empowered Autonomous Institute), Mumbai, will be conducting the full-time (4-semester; 88 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 the IT industry.

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

11.2.3 Reservation of Seats: refer to Table 9.1 on page 85

11.2.4 Eligibility Criteria

11.2.4.1 A student who has completed/is appearing for semester VI in B Sc (Mathematics), B Sc (Data Science), B Sc (Statistics), BCA, B Sc (Information Technology), B Sc (Computer Science), B Sc (Physics) from any recognised university in India. A student who has completed/is appearing for semester VIII in B.E.(Electronics/Computer Science) from any recognised university in India. It is mandatory that all students should have taken Calculus and Linear Algebra courses 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.

11.2.4.2 Admission will be based on 60% weightage to the score obtained in the entrance test and 40% weightage to the marks obtained in Semester V (provisional).

11.2.4.3 For Eligibility/Transfer/Migration Certificates: refer to 9.1.5 on page 84 to 9.1.9 on page 84.

11.2.5 Fee Structure: refer to Table 4.3 on page 23

Table 11.2: M Sc (BigData) Programme Structure

Programme Structure: M Sc (Big Data)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	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
Semester III	1	PSBDA6501CR1	Enabling Technologies-2	4
	2	PSBDA6502CR1	Machine Learning 2 including Deep Learning	4
	3	PSBDA6503CR1	Data Visualisation and Introduction to Econometrics and Finance	4
	4	PSBDA6501EL1	Time Series Analysis	4
		PSBDA6502EL1	Bioinformatics	
	5	PSBDA6501RP1	Research Project	6
			Total Credits	22
Semester IV - Dissertation				
	1	PSBDA6502RP1	Internship Based Project	22
			Total Credits	22

11.3 M Sc (Biotechnology)

11.3.1 Introduction: Contemporary Biology, intertwined with technology, has broadened the horizons of traditional Biotechnology. The key segments, viz., Biopharma, Bio-Services, Agricultural Biotechnology, Industrial Biotechnology and Bioinformatics, are rapidly growing across the globe. Indian Biotech industry is on a growth trajectory and is currently ranked 3rd in the Asia–Pacific region as a Biotech destination. The Government of India has provided adequate scope by providing facilities for Research and Development (R&D) in the field of biotechnology. Innovation opportunities have increased manifold due to the increase in both public and private funding. To cater to the increasing demand for trained professionals in this emerging global industry, the college introduced a postgraduate programme in Biotechnology in 2007. The curriculum of the M Sc Biotechnology course under the autonomous system focuses on generating professionals equipped with thorough knowledge of the basics and advances in the field of modern Biotechnology, Practical and Analytical Skills as per the needs of the industry.

11.3.2 Number of Seats: 30 students per year.

11.3.3 Reservation of Seats : refer to Table 9.1 on page 85

11.3.4 Eligibility Criteria

11.3.4.1 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 Courses 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 B Sc level.

Table 11.3: M Sc (Biotechnology) Programme Structure

Programme Structure: M Sc (Biotechnology)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	1	PSBTY6001CR1	Biomolecular Studies	4
	2	PSBTY6002CR1	Fundamentals of Molecular Biology	4
	3	PSBTY6003CR1	Essential Techniques in Biotechnology- Lab Course	4
	4	PSBTY6004CR1	Molecular Immunology	2
	5	PSBOT6001EL1	Nanobiotechnology	4
		PSBTY6002EL1	Plant Biotechnology	
	6	PSBTY6002RM1	Introduction to Research Methods	4
			Total Credits	22
Semester I	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	Quality Management Systems in Biotechnology	
	6	PSBTY6001OJ1	On Job Training	4
			Total Credits	22
Semester I	1	PSBTY6501CR1	Bioprocess Technology	4
	2	PSBTY6502CR1	Pharmaceutical Biotechnology	4
	3	PSBTY6503CR1	Biotechnology Enterprise	4
	4	PSBTY6501RP1	Research Project	6
	5	PSBTY6501EL1	Clinical Drug Development	4
		PSBTY6502EL1	Applications of Informatics in Biotechnology	
			Total Credits	22
Semester IV				
	1	PSBTY6502RP1	Research Project with Dissertation	18
	2	PSBTY6503EL1	Emerging Trends in Biotechnology	4
			Total Credits	22

11.3.5 Admission to M Sc programme in Biotechnology

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

11.3.6 The entrance examination applies ONLY to those students applying for the master's degree in the Post-Graduate Department of Biotechnology, St. Xavier's College (Empowered Autonomous Institute), Mumbai.

11.3.7 Selection Criteria: The admission for M Sc Biotechnology programme in St. Xavier's College (Empowered Autonomous Institute), Mumbai will be based on the merit list derived using the following weightage:
Score obtained in XET -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.

11.3.8 For Eligibility/Transfer/Migration Certificates: refer to 9.1.8 on page 84 to 9.1.8 on page 84.

11.3.9 Fees: Refer Table 4.3 on page 23

11.3.10 Syllabi per Semester

Syllabi per Semester Semesters I to III comprise eleven core Biotechnology courses, 4 elective courses allied to biotechnology, and 7 laboratory courses. Semester IV 5-month Dissertation is completed by the students in research institutes of repute in the country.

11.3.11 Facilities of the Department

11.3.11.1 It is well equipped for teaching Modern Biology. It has an independent Bioinformatics Lab and Animal Cell Culture Facility for the students and an in-house Library facility.

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

11.3.12 Extracurricular Activities

11.3.12.1 Palindrome: Students publish the Department Magazine, Palindrome, which is a theme-based collation of articles, reviews, and research abstracts.

11.3.12.2 An Industrial Visit is organised to various biotechnology-related industries locally or Interstate for Semester II students

11.4 M Sc (Physics)

11.4.1 Introduction: Astronomy and Astrophysics have 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 the ingenious use of information technology and the use of satellites for astronomical observations, among other developments. With numerous advantages in terms of geographical position on the earth with many research institutes, knowledge, skills and cost-effectiveness, Astronomy and Astrophysics in India have immense potential to emerge as a global key player. In Mumbai, there are many amateur astronomy clubs, but no educational institute which offers a master's course at present. To cater to this increasing need for trained professionals, St. Xavier's College (Empowered Autonomous Institute), Mumbai, has started the M Sc in Physics (with a specialisation in Astrophysics) programme affiliated to the University of Mumbai from the academic year 2019-20.

Table 11.4: Physics Credit Structure

Physics Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0	Sem 1	14	4	4	0	0	22	PG Diploma after TY
	Sem 2	14	4	0	4	0	22	
	Cum Cr	28	8	4	4	0	44	
6.5	Sem 3	16	4	0	0	2	22	PG Degree after TY or After 4th year UG
	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 4th year UG								

11.4.2 Number of Seats: 20 students per year.

11.4.3 Reservation of Seats: refer to 9.1 on page 85

11.4.4 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 the final selection will be based on all the criteria. The college reserves the right to make any changes in the admission policy before the process starts.

11.4.5 Eligibility Criteria

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

11.4.5.2 For Eligibility/Transfer/Migration Certificates: refer to 9.1.6 on page 84 to 9.1.8 on page 84

11.4.6 Fees: As sanctioned by the Board of Management, St. Xavier's College: 4.3 on page 23

11.4.7 Syllabi per Semester

11.4.7.1 There will be general physics and 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 an M Sc 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 Credit distribution is shown below:

Table 11.5: M Sc (Physics) Programme Structure

Programme Structure: M Sc (Physics)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	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
Semester III	1	PSPHY6501CR1	Relativistic Transient Astrophysics	4
	2	PSPHY6502CR1	Stellar Physics	4
	3	PSPHY6503CR1	Astrophysics of Galaxies	4
	4	PSPHY6504CR1	Interstellar and Intergalactic Medium	4
	5	PSPHY6501EL1	General Relativity and Cosmology	4
		PSPHY6502EL1	Atmospheric Physics	
	6	PSPHY6501RP1	Research Proposal for Dissertation	2
			Total Credits	22
Semester IV - Dissertation				
	1	PSPHY6502RP1	Dissertation	22
			Total Credits	22

11.4.8 Resources of the Department

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

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

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

11.4.8.4 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.

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

11.4.9 Co-curricular Activities of the Department

11.4.9.1 The Department organises an exhibition of Physics experiments called ‘Jigyasa’, to showcase ‘Possibilities in Physics’ in August.

11.4.9.2 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 on a field trip to visit some research institutes.

12. Postgraduate Arts (Unaided) Courses

12.1 Credit Structure of Post Graduate Courses

Table 12.1: All Aided, Economics, Public Policy, AIC PG 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	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	
6.5	Sem 3	12	4	0	0	6	22	PG Degree after TY or After 4th year UG
	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 4th year UGP								

12.2 M A (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 Annual Fees: refer to 4.3 on page 23

12.2.4 Reservation of Seats: Table 9.1 on page 85.

12.2.5 Selection Process

12.2.5.1 Online Application Forms are 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).

12.2.5.2 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.

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

12.2.5.4 Post the interviews, the admissions are finalised.

12.2.6 Eligibility Criteria

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

12.2.6.2 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 presented to the College.

12.2.6.3 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.

12.2.6.4 For Eligibility/Transfer/Migration Certificates: refer to 9.1.6 on page 84 to 9.1.8 on page 84. (Note: Read B Sc as B A and M Sc as M A).

Table 12.2: M A Public Policy Programme Structure

Programme Structure:M A (Public Policy)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	1	PAPPY6004CR1	Economy, Society and Public Policy2	4
	2	PAPPY6005CR1	Quantitative Methods and Data Analytics	4
	3	PAPPY6006CR1	Gender and Public Policy	4
	4	PAPPY6003EL1	Environment and Public Policy	4
		PAPPY6004EL1	Health Policy	
	5	PAPPY6002FP1	Internship	6
			Total Credits	22
Semester III	1	PAPPY6501CR1	Economic Institutions and Public Policy	4
	2	PAPPY6502CR1	Project Planning, Management & Evaluation	4
	3	PAPPY6503CR1	Technology and Public Policy	4
	4	PAPPY6501EL1	Foreign Policy	4
		PAPPY6502EL1	Globalisation and Labour Policy	
	5	PAPPY6501RP1	Dissertation: Proposal & Preliminary Work.	6
			Total Credits	22
Semester IV	1	PAPPY6504CR1	Development & Public Policy	4
	2	PAPPY6505CR1	Comparative Public Policy	4
	3	PAPPY6506CR1	Ethics & Public Policy	4
	4	PAPPY6503EL1	Education Policy	4
		PAPPY6504EL1	Media & Public Policy	
	5	PAPPY6502RP1	Dissertation.	6
			Total Credits	22

12.3 M A (Applied Economics)

12.3.1 Introduction

Understanding the fundamentals of economic theories and their actual implementation in the Public-Private sectors for the Rural-Urban setup, along with Government Policies, is the most crucial part of the study of Economics. The Department of Economics introduces a 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 a 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 the 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's Office, Government of Maharashtra and MNCs. The Campus placement is remarkably high for students of Economics in Banking, MNCs and the Government Sector.

Table 12.3: M A Applied Economics Programme Structure

Programme Structure:M A (Applied Economics)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	1	PAECO6001CR1	Public Economics	4
	2	PAECO6002CR1	Development Economics	4
	3	PAECO6003CR1	Econometrics	4
	4	PAECO6003EL1	Understanding Geopolitics in the Contemporary World	4
		PAECO6004EL1	Understanding Dynamics of Labor Economics	
	5	PAECO6002OJ1	On Job Training	2
			Total Credits	22
Semester III	1	PAECO6501CR1	Economics of Urbanisation	4
	2	PAECO6502CR1	International Economics	4
	3	PAECO6503CR1	Economics of Financing the Development	4
	4	PAECO6501EL1	Behavioural Economics	4
		PAECO6502EL1	Health Economics (not offered this year)	
	5	PAECO6501RP1	Research Project with Dissertation	6
			Total Credits	22
Semester IV	1	PAECO6504CR1	Economics of Housing	4
	2	PAECO6505CR1	Energy Economics	4
	3	PAECO6506CR1	Environment Economics	4
	4	PAECO6503EL1	Infrastructure Economics	4
		PAECO6504EL1	Game Theory	
	5	PAECO6502RP1	Research Project with Dissertation	6
			Total Credits	22

12.3.2 Selection Process

- Online Registration (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 on page 23

12.3.5 Seats: 60

12.4 M A (Psychology: Lifespan Counselling)

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. To contribute to bridging this gap, the Department of Psychology, St. Xavier's College (Empowered Autonomous Institute) has started a master's degree course - M A Psychology: Lifespan Counselling 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 on page 20 and 9.1 on page 85.

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 based on 5th semester marks (30%) + marks on the entrance exam (70%)

12.4.5 Eligibility Criteria: Students with a Bachelor's degree in any faculty or discipline having studied at least three Courses in Psychology from a full-time, in-person undergraduate course. Courses done as part of diplomas, certificate courses, or distance learning courses are not eligible.

12.4.6 Fees: As sanctioned by the Board of Management of St. Xavier's College (Empowered Autonomous Institute), Mumbai. refer to 4.3 on page 23

12.4.7 Psychology Credit Structure

Table 12.4: Psychology Credit Structure

Psychology Credit Structure								
Level	Sem	Major		RM	OJT,FP	RP	Cum Cr	Degree/Cum Cr
		Mandatory	Elective					
6.0	Sem 1	14	4	4	0	0	22	PG Diploma after TY
	Sem 2	12	4	0	6	0	22	
	Cum Cr	26	8	4	6	0	44	
6.5	Sem 3	10	4	0	4	4	22	PG Degree after TY or After 4th YUG
	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 4th YUGP								

Table 12.5: M A Psychology Programme Structure

Programme Structure: M A (Psychology)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	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
Semester II	1	PAPSY6005CR2	Normal & Abnormal Development in Childhood & Adolescence	4
	2	PAPSY6006CR2	Psychotherapeutic Techniques - I	4
	3	PAPSY6007CR1	Practicals in Psychological Assessment in Late Adulthood	4
	4	PAPSY6002EL1	Counselling Special Groups in Childhood & Adolescence	4
	5	PAPSY6001FP2	Fieldwork in Late Adulthood	4
	6	PAPSY6001OJ1	Research - Dissertation (Final)	
			Total Credits	22
Semester III	1	PAPSY6501CR1	Normal and Abnormal Development in Young and Middle Adulthood	4
	2	PAPSY6502CR1	Psychotherapeutic Techniques-II	4
	3	PAPSY6503CR1	Psychological Assessment in Young and Middle Adulthood	2
	4	PAPSY6501EL1	Counselling special groups in Young and Middle Adulthood	4
	5	PAPSY6501FP1	Field Project in Young and Middle Adulthood	4
	6	PAPSY6501RP1	Research - Dissertation	4
			Total Credits	22
Semester IV	1	PAPSY6504CR1	Normal and Abnormal Development in Late Adulthood	4
	2	PAPSY6505CR1	Psychotherapeutic Techniques III	4
	3	PAPSY6506CR1	Psychological Assessment in Late Adulthood	2
	4	PAPSY6502EL1	Counseling special groups in Late Adulthood	4
	5	PAPSY6502FP1	Field Project in Late Adulthood	2
	6	PAPSY6502RP1	Research - Dissertation	6
			Total Credits	22

12.5 MA (Transformational Leadership)

in collaboration with Teach for India

12.5.1 Introduction

Teach For India (TFI) envisions an India free of poverty and filled with love and believes in the profound responsibility of providing every child with an excellent education. Education is not a privilege but the most powerful tool to challenge the status quo and build a nation where every child's potential contributes to India's story. Classrooms and schools are the microcosms where this dream is built every day.

This Master's Degree in Transformational Leadership (TL) is a way to contribute significantly to this vision while accelerating your growth as a transformational leader. It is a one-of-its-kind opportunity to engage in full-time, paid teaching work that changes the lives of students from low-income backgrounds while finding your long-term purpose and accelerating your growth as a leader.

12.5.1.1 Highlights of the programme

Balance of Theory and Practice: Learn transformational leadership while deeply immersing in a school classroom and teaching students from low-income backgrounds.

Transferable Skills: Learn and practice leadership skills that are relevant across diverse career fields.
Exceptional facilitation: Learn under diverse, experienced practitioners and subject matter experts who use world-class methodologies to deliver learning opportunities.
Prestigious Affiliation: St. Xavier's College is affiliated with the University of Mumbai. The degree you will receive upon successful completion of the course will be recognised by the University of Mumbai. Receiving a recognised M.A. in Transformational Leadership (TL) degree allows you to work in any field and/or study further.
Global affiliation: TFI is a part of the Teach For All global network with partners across 60+ countries around the world.

12.5.2 Selection Process

Participants in the course are selected after a rigorous three-step selection process.
Application: This stage involves submitting essays through the application portal that gauge an applicant's achievements, interests, experiences, and motivations for joining the Teach For India Fellowship.
Interview: If further clarification is required after the application stage, applicants may have to engage in a 30-minute phone interview.
Assessment Centre: At the assessment centre, applicants are assessed through multiple activities, such as sample teaching, group discussion, problem-solving tests, and a one-on-one interview with a Staff member or alumnus.
Selection: The selection process assesses seven competencies critical to creating impact in the short term (through the two years of teaching) and in the long term as Alumni who continue to drive change in the education and development sector. Over the past three years (2020-2023), the average selection rate has been 7%.

12.5.3 Eligibility Criteria: Applicants with a Bachelor's degree in any faculty or discipline who would have completed graduation by July 2025. Applicants who are applying for the first time for the 2025 cohort since July 2024. Applicants who are citizens of India or Overseas citizens of India. Applicants who have been selected for the Teach For India Fellowship in the same year.

12.5.4 Fees: refer to 4.3 4.3 on page 25

12.5.5 Seats: 60

Table 12.6: M A Transformational Leadership Semester I Programme Structure

Programme Structure:M A (Transformational Leadership)				
	Course	**Code**	**Course Title**	**Credits**
Semester I	1	PATFL6001CR1	Understanding Educational Inequity in India	4
	2	PATFL6002CR1	Foundations of Culture and Pedagogy	4
	3	PATFL6003CR1	Introduction to content: planning and execution	4
	4	PATFL6001EL1	Strengthening Foundations	4
		PATFL6002EL1	Reimagined Teaching & Learning	
	5	PATFL6001AP1	Apprenticeship	6
			Total Credits	22
Semester II	1	PATFL6004CR1	Proficiency in Pedagogy and building Stakeholder Relationships	4
	2	PATFL6005CR1	Building Foundational Reflective Practice	4
	3	PATFL6001EL1	Strengthening Foundations	4
		PATFL6002EL1	Reimagined Teaching & Learning	
	4	PATFL6002AP1	Apprenticeship	10
			Total Credits	22

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: Biotechnology, Botany, Chemistry, Geology, Life Science & Biochemistry, Microbiology, Physics and Zoology.

13.1.1.2 Arts: Ancient Indian History Culture & Archaeology, Economics, History

13.1.2 Qualifications: M Sc/M A with CSIR/UGC JRF/NET OR Maharashtra SET; OR University of Mumbai – PET

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.

13.2 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	Permanent Recognition
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	Life Science	05	Th/ICO/2019-20/2080 dt. 01/08/2019, Permanent Recognition
7	Biochemistry	Biochemistry	06	RAPC/ICD/2024-25/64, dated 12th June 2024,
8	Microbiology	Microbiology	03	Th/ICD/2012-13/005 dt 24/05/2012
9	Zoology	Zoology	04	Th/10635 of 2004 dt. 14/07/2004
10	Biotechnology	Biotechnology	04	RAPC/ICD/2024-2025/64 dated 12.06.2024
11	Physics	Physics	04	RAPC/ICD/2024-25/64 dt 12.06.2024

13.3 Departments' Information

Details of depts. which are eligible for guiding Ph D in St. Xavier's College (Autonomous), Mumbai, as of May 2024:

13.3.1 Department of Botany

13.3.1.1 Recognition as Research Lab: Permanent (under the University of Mumbai) - (Blatter Herbarium)

13.3.1.2 Number of Seats: 20

13.3.1.3 Recognised Research Guides (by the University of Mumbai):

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 Biotechnology

13.3.2.1 Recognition as Research Lab: (under the University of Mumbai)

13.3.2.2 Number of Seats: 04

13.3.2.3 Recognised Research Guides (by the University of Mumbai):

1. Dr Shiney Peter

13.3.3 Department of Chemistry

13.3.3.1 Recognition as Research Lab: Permanent (under the University of Mumbai) - Nadkarny-Sacasa Laboratory)

13.3.3.2 Number of Seats: 20

13.3.3.3 Recognised Research Guide (by the University of Mumbai) :

1. Dr Pralhad Rege
2. Dr Ms Ashma Aggarwal
3. Dr Ms Abhilasha Jain
4. Dr Gomathi Sridhar (Hon.)

13.3.4 Department of Geology

13.3.4.1 Recognition as Research Lab: Permanent (under the University of Mumbai).

13.3.4.2 Number of Seats: 10

13.3.4.3 Recognised Research Guides (by the University of Mumbai):

1. Prof Dr Hrishikesh P. Samant
2. Dr Bobby Mathew
3. Dr Ashwin Pundalik

13.3.5 Department of Life Science and Biochemistry

13.3.5.1 Recognition as Research Lab: Permanent (under the University of Mumbai)

13.3.5.2 Number of Seats: 05

13.3.5.3 Recognised Research Guide in Life Science (by University of Mumbai):

1. Prof Dr Ms Priya Sundarrajan
2. Dr Prashant Ratnaparkhi
3. Dr Sangeeta Shetty

13.3.6 Department of Life Science and Biochemistry

13.3.6.1 Recognition as Research Lab: (under the University of Mumbai)

13.3.6.2 Number of Seats: 06

13.3.6.3 Recognised Research Guide in Biochemistry (by University of Mumbai):

1. Dr Prashant Ratnaparkhi

13.3.7 Department of Microbiology

13.3.7.1 Recognition as Research Lab: (under the University of Mumbai)

13.3.7.2 Number of Seats: 03

13.3.7.3 Recognised Research Guide (by the University of Mumbai):

1. Prof Dr Ms Karuna Gokarn
2. Dr Ms Pampi Chakraborty

13.3.8 Department of Physics

13.3.8.1 Recognition as Research Lab: (under the University of Mumbai)

13.3.8.2 Number of Seats: 04

13.3.8.3 Recognised Research Guide (by the University of Mumbai):

1. Dr Radhekrishna Dubey

13.3.9 Department of Zoology

13.3.9.1 Recognition as Research Lab: Permanent (under the University of Mumbai)

13.3.9.2 Number of Seats: 04

13.3.9.3 Recognised Research Guide (by the University of Mumbai):

1. Dr Ms Madhuri S. Hambarde (Hon.)

13.3.10 Department of Ancient Indian History, Culture & Archeology

13.3.10.1 Recognition as Research Centre: Permanent (under the University of Mumbai)

13.3.10.2 Number of Seats: 10

13.3.10.3 Recognised Research Guide (by the University of Mumbai):

1. Dr Ms Anita Rane-Kothare

13.3.11 Department of Economics

13.3.11.1 Recognised Research Guide (by the University of Mumbai):

1. Dr Ms Aditi Sawant

13.3.12 Department of English

13.3.12.1 Recognised Research Guide (by the University of Mumbai):

1. Dr Jotiram Gaikwad

13.3.13 Department of History

13.3.13.1 Recognition as Research Centre: Permanent (under the University of Mumbai)

13.3.13.2 Number of Seats: 30

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 Run by: Dept of Biotechnology

14.1.2.1 Duration: The course will run from July to April.

14.1.2.2 Eligibility Criteria:

1. Students who have completed a Bachelor's or Master's Degree in Biological science streams.
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)/B Tech/MTech/B Pharm/M Pharm

14.1.2.3 Course Fees: ₹75,000/- (Payable in two instalments)

14.1.2.4 Number of seats: 30 seats

14.1.3 Curriculum

14.1.3.1 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.

14.1.3.2 Lectures and Practicals will be held (3 days/week - 3 hours/day) in online mode

14.1.3.3 Modules:

DBI01	Introduction To Bioinformatics	
DBI02	Biological Databases and Data Mining	(01 Credit)
DBI03	Analysis of Biological Sequences	(04 Credits)
DBI04	Biostatistics and Bioinformatics	(10 Credits)
DBI05	Structural Bioinformatics	(06 Credits)
DBI06	Bioinformatics in Drug Designing	(08 credits)
DBI07	Omics in Biology	(08 Credits)
DBI08	Next Generation Sequencing Informatics	(10 Credits)
DB109	Coding for Biologists - Bio-programming	(08 Credits)
DBI10	Project	(10 Credits)

14.1.3.4 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.

14.1.3.5 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.

14.1.3.6 Contact Person: Dr Ms Norine D'Souza, Asst Prof, PGDBT; Coordinator PG DBI
norine.dsouza@xaviers.edu Norine D'souza; 9819970529.

14.2 PG Diploma in Gemmology

14.2.1 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 jewellery market like Rubies, Sapphires, Amethysts, Topaz, Quartz, Pearls, etc. including some rare gemstones.

14.2.2 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 jewellery designing, sales professionals, or making oneself a more confident buyer.

14.2.3 Run by: Dept of Geology

14.2.4 Duration: 3 months

14.2.5 Fees: ₹40,000 + GST

14.2.6 Timings: This is an evening course and classes are held from Monday to Friday for $1\frac{1}{2}$ hour duration. The date of commencement is the end of June.

14.2.7 Contact Details: Mr John D'Souza,
john.dsouza@xaviers.edu John D'Souza or College Website http://www.xaviers.edu

14.3 PG Diploma in Counselling Psychology (XICP)

14.3.1 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.

14.3.2 Run by: the Xavier Institute of Counselling Psychology (XICP).

14.3.3 Duration: Ten months from July of the current academic year to April of the subsequent academic year (with breaks for Diwali and Christmas).

14.3.4 Eligibility: PG Degree in Psychology, Social Work or Human Development.

14.3.5 Fees: ₹80,240/- including GST.

14.3.6 Number of Seats: 25 students.

14.3.7 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: Conventional Personality Theories and Therapies
6. CPP 06: Contemporary Personality Theories and Therapies
7. CPP 07 Career Counselling and Practicum.

14.3.8 Lectures: Mondays, Wednesdays and Fridays (4:00 pm to 7:00 pm).

14.3.9 Practicals: There are various practical aspects to the training the students receive, outlined as follows:

14.3.9.1 Students have to go through personal counselling themselves during the course.

14.3.9.2 Students undergo a supervised internship, including 40 hours of counselling in a school, college, NGO, or any other mental health setup.

14.3.9.3 Students volunteer for approximately 10 hours at an Old Age or Geriatric Care Home.

14.3.9.4 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.

14.3.10 Course Conceived and Designed by: Fr. Berchmans D'souza S.J., in the year 1992, it was modified by Ms Sujata Abraham and Ms Linda Dhakul.

14.3.11 Director: Dr. (Fr.) Keith D'Souza S.J.

14.3.12 Coordinator: Dr. Noellene Fialho. Phone: +91 9324084592, Email: xicp92@gmail.com XICP

14.3.13 Website: https://sites.google.com/xaviers.edu/xicp/pgcourse

14.4 PG Diploma in Expressive Arts Therapy

14.4.1 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 supplementing 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

14.4.2 Run by: Dept of Psychology

14.4.3 Number of Seats: Maximum of 20 students per year.

14.4.4 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.

14.4.5 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.

14.4.6 Fees: ₹2,38,000/-.

Table 14.1: Diploma in Expressive Arts 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

Table 14.2: Diploma in Expressive Arts Semester II

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

14.4.7 Semester-wise Syllabi

14.4.8 Credit Distribution: The course consists of 48 credits. Each credit equals 15 hours. Fieldwork orientation and practicum are 180+ hours in two semesters.

14.4.9 Duration of the Course: 1 year

14.4.10 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: 12 pm to 6 pm on the same days.
For courses 204 and 205: timings will vary for 3 months due to fieldwork.

14.4.11 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.

14.4.12 Contact Details : Program Head, Ms Devika Mehta, M.A. (Indian Folk Dance), M.A. Clinical Psychology, M.Sc. (Dance Movement Psychotherapy – UK). Email - devika.mehta@xaviers.edu Devika Mehta

14.5 Online Diploma in Inter-Religious Traditions

14.5.1 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.

14.5.2 Run by: Department of Inter-religious Studies (DIRS)

14.5.3 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.]

14.5.4 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.

14.5.5 Eligibility : Secondary School Certificate and a good knowledge of English.

14.5.6 Fee Structure:

14.5.6.1 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.

14.5.6.2 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.

14.5.6.3 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.

14.5.7 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

14.5.8 Syllabus:

14.5.8.1 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

14.5.8.2 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)

14.5.9 Coordinator: Ms. Shilpa Chheda [Heras Institute].
shilpa.chheda@xaviers.edu Shilpa Chheda and http://courses.dirs@gmail.com

14.6 Online Diploma in Comparative and Applied Ethics

14.6.1 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, 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 aspects of ethics.

14.6.2 Run by: Dept of AIHCA

14.6.3 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.].

14.6.4 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.

14.6.5 Fee Structure:

14.6.5.1 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.

14.6.5.2 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.

14.6.5.3 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.

14.6.6 Evaluation: based on reflective questions given to the participants.

14.6.6.1 For the Diploma: Per module, a reflective assignment of 1000-1200 words; Final synthetic essay of 1000-1200 words.

14.6.6.2 Per Certificate Course: Per module, a reflective 1000-1200-word assignment.

14.6.6.3 Per Module: For Honours' students: a reflective 1000-1200-word assignment.

14.6.7 Syllabus

14.6.7.1 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

14.6.7.2 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 international ethics
3. Business ethics
4. CSR

14.6.8 Coordinator Ms. Shilpa Chheda [Heras Institute]. shilpa.chheda@xaviers.edu Shilpa Chheda and http://courses.dirs@gmail.com

14.7 Certificate Course in Personal Counselling

14.7.1 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 gives the students a chance to introspect and enhance their helping skills, aiding them in whatever profession they may be.

14.7.2 Run by: the Xavier Institute of Counselling Psychology (XICP).

14.7.3 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.

14.7.4 Duration: 22 sessions (2hrs each). Held twice a year (Aug to Oct and Jan to Mar).

14.7.5 Timings: Tuesdays and Thursdays (5:00 pm to 7:00 pm).

14.7.6 Eligibility: Higher Secondary School Certificate.

14.7.7 Fees: ₹20,000/- including GST.

14.7.8 Number of Seats: 25 students.

14.7.9 Content: The 22 sessions cover the following content:

14.7.9.1 Personal Growth of the Counsellor

14.7.9.2 History and Meaning of Counselling

14.7.9.3 Role of a Counsellor

14.7.9.4 Models of Counselling (Focus on the Carkhuff Model)

14.7.9.5 Counselling Skills

14.7.9.6 Stages of Counselling

14.7.10 Director: Dr (Fr) Keith D'Souza S.J.

14.7.11 Coordinator: Dr Noellene Fialho, Phone: +91 9324084592 Email: cpc.xaviers@gmail.com CPC

14.7.12 Website: https://sites.google.com/xaviers.edu/xicp/personal-counselling-course

14.8 Online Certificate Course in Forensic Science

14.8.1 Introduction The online program has a primary objective to make quality forensic education easily accessible by:

14.8.1.1 Facilitating distance learning for students interested in forensic science, living in different parts of India, with limited funds and/or access to good college-level forensic programs.

14.8.1.2 Providing students interested in careers in forensic science a basic understanding of crime scene-related forensic science practice while studying other subjects at the graduate/postgraduate level.

14.8.1.3 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.

14.8.2 Administered by: Department of Zoology

14.8.3 Duration: 6 Months

14.8.4 Fees: ₹15,500/- Processing Charges: ₹500/- domestic students); ₹1000/- (international students).

14.8.5 Delivery Mode: Online

14.8.6 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

14.8.6.1 Assessment Overview: Final examination in the electronic mode

14.8.7 Pre-registration (Online) forms: https://forms.gle/D5aApdWaT8stxofKA

14.8.8 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

14.9 Certificate Course in Environmental Forensics

14.9.1 Introduction

Learning Objectives of the Program:

- Facilitating distance learning for students, living in different parts of India.
- This course is mainly for students or professionals who are interested in applying forensic science to investigating environmental crimes.

14.9.2 Administered by: Department of Zoology

14.9.3 Duration: 2 months

14.9.4 Fee: Rs. 5000/- (Course Fees) + Rs 500/-(Admission Processing Fees)

14.9.5 Delivery Mode: Hybrid - Distance Learning (90%) and Face-to-Face (10%)

14.9.5.1 Co-ordinator: Dr. Pushpa Sinkar

14.9.6 Facilitator: Ms Sejal Gupta

14.9.7 Faculty Members: Ms. Sejal Gupta

14.9.8 Assessment Method: Unit based assignments, Mock Crime Scene Practical + Final exam

14.9.9 Course Content

SXC-01-Introduction to Environment and Need of Forensic Analysis in Environment Crimes and Crime Scene Investigation
SXC-02- Introduction and analysis of crimes related to water pollution
SXC-03- Introduction and analysis of crimes related to air pollution
SXC-04- Oil Spills Investigation
SXC-05- Introduction and analysis of crimes related to land pollution
SXC-06- Final Assessment Unit

14.9.9.1 Pre-registration (Online) forms: https://forms.gle/fBDKefdZAzAhGuaDA

14.9.9.2 Contact Details

Dr Ms Pushpa Sinkar pushpa.sinkar@xaviers.edu Pushpa Sinkar

Ms Riva Pocha	riva.pocha@xaviers.edu Riva Pocha
Ms Sejal Gupta	sejal.gupta@xaviers.edu Sejal Gupta

14.10 Diploma in Forensic Science and Criminal Law

14.10.1 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, and Sociology, as well as any citizen or student keen to learn more about forensic science and the law.

14.10.2 Administered by: Department of Zoology

14.10.3 Duration: One academic year, Part Time, Hybrid Mode of Instruction

14.10.4 Timings: Thursday, Friday, and Saturday from 05:00 pm - 07:00 pm and Practicals 04.00 pm to 07.00 pm on pre-decided dates.

14.10.5 Fees Structure: ₹27,500 (including registration)

14.10.6 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

14.10.7 Pre-registration (Online) forms: https://forms.gle/D5aApdWaT8stxofKA

14.10.7.1 Contact Details

Dr Ms Pushpa Sinkar	pushpa.sinkar@xaviers.edu Pushpa Sinkar
Ms Riva Pocha	riva.pocha@xaviers.edu Riva Pocha
Ms Sejal Gupta	sejal.gupta@xaviers.edu Sejal Gupta

14.11 Certificate Course in Forensic Biology

14.11.1 Learning Objectives

- Facilitating distance learning for students interested in forensic biology, living in different parts of India, with limited funds and access to good college-level forensic programs.
- Providing students interested in careers in forensic biology with a basic understanding of crime scene-related forensic biology practice while studying other subjects at the graduate/postgraduate level.
- Familiarising law enforcement professionals and law students with a basic understanding of forensic biological concepts, while allowing them the flexibility of a hybrid teaching-learning experience.

14.11.2 Administered by: Department of Zoology

14.11.3 Duration: 6 month

14.11.4 Fee: Rs. 15500/-

14.11.5 Delivery Mode: Hybrid - Distance Learning (90%) and Face-to-Face (10%)

14.11.5.1 Co-ordinator: Dr Pushpa Sinkar

14.11.6 Facilitator: Ms Sejal Gupta

14.11.7 Faculty Members: Ms Sejal Gupta

14.11.8 Assessment Method: Unit-based assignments, Mock Crime Scene Practical and Final exam

14.11.9 Syllabus

SXC - 01 - Introduction to Forensic Science & Biological Evidences
SXC - 02 - Understanding Basic Biological Concepts
SXC - 03 - Body fluid Analysis
SXC - 04 - Brief understanding of DNA Analysis
SXC - 05 - Brief understanding of DNA analysis in sexual assaults
SXC - 06 - Wildlife DNA analysis
SXC - 07 - DNA Databasing & amp; DNA Genealogy
SXC - 08 - Forensic Analysis of Micro-organisms and botanical evidence
SXC - 09 - Crime Scene Investigation of a Mock Case Related to Forensic
SXC - 10 - Final Examination

14.11.9.1 Pre-Registration Link: https://forms.gle/fBDKefdZAzAhGuaDA

14.11.9.2 Contact Details

Dr Ms Pushpa Sinkar	pushpa.sinkar@xaviers.edu Pushpa Sinkar
Ms Riva Pocha	riva.pocha@xaviers.edu Riva Pocha
Ms Sejal Gupta	sejal.gupta@xaviers.edu Sejal Gupta

14.12 Courses Conducted by XIC

Please refer to the XIC website: 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: Names are listed in order of seniority at St Xavier's College (Autonomous), Mumbai-400 001.

15.1 Faculty of Arts

15.1.1 Department of Ancient Indian History, Culture & Archaeology

†*	Ms Anita Rane-Kothare, M A, Dip Pali Ph D	Assoc Prof
*	Ms Radha Kumar, M A, Ph D	Assoc Prof & Head of Dept.
	Mr Jason Johns, M A, Ph D	Asst Prof
	Ms Ruchira Sarma, M A	Asst Prof (Ad hoc)

15.1.2 Department of Commerce (for Arts)

	Ms Suvaiba Pirani, M Com, Ph D	Asst Prof & Prof-in-Charge

15.1.3 Department of Economics

†*	Ms Aditi P. Sawant, M A, Ph D	on lien
	Ms Manali Pawar, M A	Asst Prof & Head of Dept
	Ms Aparna Kulkarni, M A Ph D	Asst Prof
	Fr. Vivian Almeida SJ, M A	Asst Prof
	Mr Ganeshkumar Munnorcode	Asst Prof (Ad hoc)
	Mr Nandish Mulik, M A	Asst Prof (Ad hoc)

15.1.4 Department of English

	Ms Rashmi Lee George, M A, Ph D	Asst Prof
	Ms Prasita Mukherjee, M A, Ph D	Asst Prof& Head of Dept.
	Ms Amrita Shenoy, M A, M St	Asst Prof (Ad hoc)
	Ms Stuti Kute, M A	Asst Prof (Ad hoc)

15.1.5 Department of French

	Ms Alpana. Palkhiwale, M A	Assoc Prof, Prof-in-Charge & Vice Principal (Arts)

15.1.6 Department of Hindi

	Dr Preeti, M A, Ph D	Asst Prof (Ad hoc)

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
	Ms Deepika Naik 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)
	Ms Gautami Garje M A	Asst Prof (Ad hoc)

15.1.9 Department of Psychology

Ms Ruby Pavri, M A, B Ed	Assoc Prof
Ms Linda Dhakul, M A, B Ed	Asst Prof & Head of Dept.
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 Karen Fernandes Almeida, M A	Asst Prof (Ad hoc)
Ms Shreya Makhija, M A	Asst Prof (Ad hoc)
Mr Mohit Manwani, M A	Asst Prof (Ad hoc)
Ms Melissa D'Souza, M A	Asst Prof (Ad hoc)
Mr Shannon Fernandes, MA	Asst Prof (Ad hoc)

15.1.10 Department of Sociology and Anthropology

Ms Pranoti Chirmuley, M A, M Phil, Ph D	Asst Prof
Ms Radhika Rani, M A, M Phil	Asst Prof
Ms Ankita Gujar, M A, LL B	Asst Prof, & Head of Dept.
Ms Sahana Sen, M A, Ph D	Asst Prof

15.1.11 Department of BA (MCJ)

Ms Akshara Jadhav, M A, PGJMC	Asst Prof & Head of Dept.
Fr. John Mezsia SJ, M A	Asst Prof (Ad hoc)
Ms Sancia D'Souza, M A	Asst Prof (Ad hoc)
Ms Belinda E. Jones, M A	Asst Prof (Ad hoc)

15.1.12 Department of Public Policy

*	Mr Agnelo Menezes, M A Ph D	Assoc Prof (Ad hoc)
	Ms Agrima Bhasin, M A	Asst Prof (Ad hoc)
		Prof-in-Charge

15.2 Faculty of Science

15.2.1 Department of Botany

*	Mr Alok Gude, M Sc	Assoc Prof & Head of Dept.
†*	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 &VP (Science)
†*	Ms Ashma Aggarwal, M Sc, Ph D	Assoc Prof & Head of Dept.
	Ms Geeta N. Kotian, M Sc, Ph D	Assoc Prof
	Ms Saima Khan, M Sc	Assoc Prof
*	Ms Abhilasha Jain, M Sc, Ph D	Assoc Prof
†*	Mr Pralhad V. Rege, M Sc, Ph D	Asst Prof
	Mr Niraj Bahuguni, M Sc, Ph D	Asst Prof
	Ms Manik Rathod, M Sc, Ph D	Asst Prof
	Ms Maria Gomes, M Sc	Asst Prof (Ad hoc)

15.2.3 Department of Geology

†*	Mr Hrishikesh P. Samant, M Sc, M.Tech, Ph D	Professor
†*	Mr Bobby P. Mathew, M Sc, Ph D	Assoc Prof, Head of Dept. & VP (Academics)
†*	Mr Ashwin Pundalik, M Sc, Ph D	Asst Prof
*	Mr John D'Souza, M Sc	Asst Prof
*	Ms Shweta Patil, M Sc, Ph D	Asst Prof
	Mr Robinprince Edward, M Sc	Asst Prof
	Dr Anirudh Chakraborty, M Sc, Ph D	Asst Prof (Ad hoc)
	Ms Nidhi Chafekar, M Sc	Asst Prof (Ad hoc)
	Dr Kebelne Kesen, M Sc, Ph D	Asst Prof (Ad hoc)

15.2.4 Department of Life Science and Biochemistry

†*	Mr Prashant S. Ratnaparkhi, M Sc, Ph D	Professor
†*	Ms Priya Sundarrajan, M Sc, Ph D	Professor & Head of Dept.
*	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
	Mr Sachin Rajagopalan, M Sc	Asst Prof
	Ms Sangeetha G, M Sc, Ph D	Asst Prof (Ad hoc)

15.2.5 Department of Mathematics

	Ms Meenal Kolkar, M Sc, M Phil	Assoc Prof
*	Mr Ashok Bingi, M Sc, Ph D	Assoc Prof & Head of Dept.
	Mr Aditya Garg, M Sc	Asst Prof
	Ms Simi Cyriac, M Sc, B Ed	Asst Prof

15.2.6 Department of Microbiology

†*	Ms Karuna Gokarn, M Sc, Ph D	Professor, I/C Principal
*	Ms Aparna Shetye, M Sc, Ph D	Asst Prof & Head of Dept.
*	Ms Pampi Chakraborty, M Sc, Ph D	Asst Prof
	Mr Bhushan Kulkarni, M Sc	Asst Prof
	Ms Pradnya Gogte, M Sc, Ph D	Asst Prof
	Mr Kaushik Inamdar, M Sc	Asst Prof (Ad hoc)
	Dr Anushree Suresh, M Sc, Ph D	Asst Prof (Ad hoc)
	Ms Rajeshwari Kundar, M Sc	Asst Prof (Ad hoc)
	Ms Disha Padki, M Sc	Asst Prof (Ad hoc)
	Ms Birva Bhavsar, M Sc	Asst Prof (Ad hoc)

15.2.7 Department of Physics

	Mr Rajesh Singh, M Sc	Assoc Prof
*	Mr Ajay Yadav, M Sc Ph D	Assoc Prof & Head of Dept
*	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
	Mr Manojendu Choudhury, M Sc, Ph D	Asst Prof
	Ms Amruta Sadhu M Sc, Ph D	Asst Prof (Ad hoc)

15.2.8 Department of Statistics

*	Ms S. Annapurna, M Sc, DCST, DORM, Ph D	Assoc Prof & Head of Dept.
*	Ms Piyali Unnikrishnan, M Sc	Assoc Prof
	Mr Omkar Thakur , M Sc	Asst Prof
	Mr Mayur More, M Sc	Asst Prof (Ad hoc)
	Ms Sumaiya Shaikh, M Sc	Asst Prof (Ad hoc)
	Ms Sneha Bose, M Sc	Asst Prof (Ad hoc)
	Ms Rupali Kharat, M Sc	Asst Prof (Ad hoc)

15.2.9 Department of Zoology

	Mr Conrad Cabral, M Sc	Asst Prof & Head of Dept
	Ms Sujata Deshpande, M Sc, Ph D	Asst Prof
	Mr Kartik Adake, M Sc	Asst Prof
	Mr Harshad Parekar, M Sc	Asst Prof (Ad hoc)

15.2.10 Department of Biotechnology

†	Ms Shiney Peter, M Sc, Ph D	Asst Prof
†	Ms Norine D'Souza, M Sc, Ph D	Asst Prof & Head of Dept.
	Ms Punita Jain, M Sc, Ph D	Asst Prof (Ad hoc)
	Dr Smita Jadhav, M Sc, Ph D	Asst Prof (Ad hoc)
	Dr Vrushali Raka, Ph D	Asst Prof (Ad hoc)

15.2.11 Department of Information Technology

	Mr Thomas Roy, M C A	Asst Prof
	Mr Subhash Kumar, M C A, M Phil	Asst Prof & Head of Dept.
	Ms Lydia Fernandes, M Sc	Asst Prof
	Mr Jojan Mathai, M Sc (IT), Ph D	Asst Prof
	Mr Aaron Johns, M Sc	Asst Prof (Ad hoc)
	Mr Darren D'Souza, M Sc	Asst Prof (Ad hoc)

15.3 Faculty of Commerce

15.3.1 Department of Commerce and Accounts

*	Mr Sanjay Parab, M Com, M Phil, LL M, FCS, Ph D	Assoc Prof, Head of Dept
	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)

15.3.2 Department of Financial Accounting

Fr. Ambrose Machado SJ, M Com	Asst Prof
Mr Pratik Purohit, M Com, M Phil, PGDFM	Asst Prof
Ms Kamalika Ray, M Com PGDBA, EPG	Asst Prof
Mr Lloyd Serrao, M Com, LL B, A C S	Asst Prof (Ad hoc)

15.3.3 Department of Management Studies

Ms Soni George Tharakan, B Sc, Agri (Hons), MMS	Asst Prof
Mr Pritesh Arte, M Com, LL B	Asst Prof & Head of Dept.
Ms Neelam Shetty, M Com, PGDBA, M Phil, Ph D	Asst Prof, VP Commerce
Ms Twinkle Murzello, M Sc	Asst Prof (Ad hoc)

15.4 Research Departments

15.4.1 Heras Institute of Indian History & Culture

Dr Fr Keith D'Souza, SJ , Ph D	Director
Ms Shilpa Chheda, M A (AIC), M A	Curator and Account Assistant

15.4.2 Blatter Herbarium

†* Mr Rajdeo Singh, M Sc, Ph D	Director & Research Guide

15.4.3 CAIUS Research Laboratory for Interdisciplinary Studies

†* Dr Pampi Chakraborty M Sc, Ph D	Director & Research Guide

15.4.4 Nadkarny SACASA Research Laboratory

†* Ms Ashma Aggarwal, M Sc, Ph D	Research Guide
†* Mr Pralhad Rege, M Sc, Ph D	Director & Research Guide

15.5 Department of Inter-Religious Studies

Dr Fr Keith D'Souza, SJ, Ph D	Director

15.6 Language Laboratory

Ms Jyoti More, M A	Instructor

16. Non-Teaching Staff

16.1 General Office

1. Mr Peter Dmonte	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 Sagar Itur	Office Assistant
8. Mr Bharat Hejmadi	Junior Clerk		

16.2 Treasurer's Office

1. Dr (Fr.) Conrad Pesso, SJ	Treasurer	8. Ms Shweta Jadhav	Office Assistant
2. Mr Vijayrao Thapala	Adhoc Staff	9. Mr Rocky Vaz	Office Assistant
3. Mr Dixon F. Colaco	Head Clerk	10. Ms Snehal Kamat	Office Assistant
4. Mr Anand Alphanso	Junior Clerk	11. Ms Rutika Gawade	Office Assistant
5. Mr David Patil	Junior Clerk	12. Mr. Maxwel Dinis	Office Assistant
6. Mr Ganesh Padrat	Junior Accounts Officer	13. Mr. Abhijeet Dinis	Office Assistant
7. Mr Sameer Padrat	Office Assistant		

16.3 Library Staff

1. Ms Sonali Paradkar	I/C Librarian	7. Mr Truman Borges	Library Attendant
2. Mr Vivek Tambe	Assistant Librarian	8. Mr Kishore C. Chaphe	Library Attendant
3. Mr Adinath Raut	Junior Clerk	9. Mr Prakash G. Rambade	Library Attendant
4. Mr Peter A. Fernandes	Library Attendant	10. Mr Deepak S. Chowgule	Library Attendant
5. Mr Lawrence D'Costa	Library Attendant	11. Mr Uttam Jadhav	Library Attendant
6. Mr Julio Pereira	Library Attendant	12. Ms Aishwarya S. Zeple	Library Attendant

16.4 Laboratory Assistants

1. Mr Prakash Dandge
2. Mr Anthony Thomas
3. Mr Gleeson Dias
4. Mr Sanjay S. Karambele
5. Mr Sandeep Kelwadkar
6. Mr Ashwin W. Parmar
7. Mr. Jagdish Guldekar

16.5 Laboratory Attendants

1. Mr Prakash Agre
2. Mr Sandeep B. Berde
3. Mr Chandrakant Chandurkar
4. Mr Melcome R. Abreu
5. Mr Rajesh N. Athawale
6. Mr Sanjay S. Geliye
7. Mr Simon Joseph
8. Mr Sanjay I. Chaudhary
9. Mr Sudhakar D. Kolge
10. Mr Agnelo A. Fargose
11. Mr Uddhav E. Patole
12. Mr Dayanand Kumbhar
13. Mr Sandeep P. Pawar
14. Mr Sandeep Rambade
15. Mr Sandip I. Patil
16. Mr Uttam Patil
17. Mr Sachin Bhure
18. Mr Macfedyan Noronha
19. Mr Kishore Sonavane
20. Mr David Foss
21. Mr Kishor Arbune
22. Mr Nitin Lokhande
23. Mr Umesh Chavan
24. Mr Bharat Koli
25. Mr Deepak Parit
26. Mr Santosh Sangale
27. Ms Nikita R. Gawade

16.6 Peons

1. Mr Sudhakar Gurav
2. Mr Baju Solanki
3. Mr Cajetan Fernandes
4. Mr Prakash S. Chougule
5. Mr Arun Jadhav
6. Mr Kevin N. D'Souza
7. Mr Avitkumar Mangale
8. Mr Yogesh Inamdar
9. Mr Yogesh M. Gade (Comm.)
10. Mr Amol Lohar
11. Mr Narayan Rambade
12. Mr Uday Mane
13. Mr Uttam Ghatkar
14. Mr Rajan Gurav
15. Mr Shishir Khedekar
16. Mr Mahadev Sonule
17. Mr Prabhanjan Gite
18. Mr Vipin Prakash Nam
19. Mr Gangaram Savant
20. Mr Siddhesh Pilke (Comm.)

16.7 Multi-Media Operators/Technicians

1. Mr Deb Shankar Das
2. Mr Francis Kadam
3. Mr Dinesh Mohite

16.8 Examination Centre

1. Dr. Jotiram Gaikwad — Controller of Examinations
2. Dr. Rohan Jadhav — Dy Controller of Examination
3.
4. Ms Fiona R. Crasto — Junior Clerk
5. Ms Amrapali Jadhav — Office Assistant
6. Ms. Carolina Soj — Office Assistant

16.9 Knowledge Centre

1. Fr. Fabian Barreto SJ — Director
2. Mr Martin Fernandes — IT Administrator
3. Ms Nilam S. Jadhav — Office Assistant
4. Mr Swapnil Bagwe — Technical Assistant
5. Mr Yogendra Mohite — Technical Assistant
6. Mr Mayur Agre — Lab. Attendant

16.10 Campus Maintenance Staff

1. Mr Alvin Mendonsa — Administrator
2. Mr. David Yadav — Asso Admin -Annex Building
3. Mr Santosh Chavan — Office Attendant
4. Ms Sunita Misquitta . — Telephone Operator -Cum-Receptionist
5. Mr Ravindra Yadav — Support Staff
6. Mr Sanjay Sawant — Electrician Adhoc
7. Mr Vaibhav Patil — Peon
8. Mr Pravin Waghela — Peon
9. Mr Martin Waghela — Peon
10. Mr George Kudel — Carpenter
11. 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.& Biotechnology
3. Mr Rajesh Mahadik — Attendant, Biotechnology Lab.
4. Mr Melvin Fernandes — Maintenance Engineer

16.12 Social Involvement Programme Staff

1. Dr Agnelo Menezes — Coordinator
2. Ms Jenipher Dsouza, MSW — Social Worker
3. Ms Roshen Abraham, MSW — Social Worker
4. Ms Rivona Pereira — Office Assistant

16.13 Hostel

1. Dr Agnelo Menezes — Hostel Management Representative

16.14 XRCVC and Inclusion Centre

1. Dr Sam Taraporevala — Executive Director
2. Mr Ketan Kothari — Managing Consultant (Programs)
3. Mr Krishna Warrier — Lead Consultant – Awareness (Workshops)
4. Ms Disha Kapadia Chinchwadkar — Lead Consultant – Awareness & Policy Engagement
5. Mr Aniket Gupta — Executive Asst. & Manager (Admin & Fin)
6. Mr Keshavan Nadar — Lead Consultant - Assistive Technology
7. Mr Vikas Dabholkar — Consultant - Technology
8. Mr Tejas Karaanje — Technology Consultant
9. Ms Shizanne D'mello — Sr. Consultant – Education
10. Ms. Shalini Dubey — Consultant – Inclusive Education
11. Mr Manoj P Rajvadiya — Support Staff

16.15 Heras Institute of Indian History and Culture

1. Ms. Shilpa Chedda — Curator-cum - Accounting Assistant
2. Mr Shannon Mendonca — Asst. Librarian
3. Mr Roshan D'Souza — Peon

16.16 Indian Music Group

1. Ms Seema Sisodiya — Office Assistant

16.17 Xavier Development Programme (XDP)

1. Dr Fr Keith D'Souza SJ — Director
2. Dr Bobby Mathew — Executive Officer
3. Ms. Clarissa Paes — Assistant

16.18 Documentation Centre

1. Mr Parag Thinge — Documentation Office

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 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, 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 authorised to intervene and take appropriate action in consultation with the Committee and the Principal. To ensure such a disciplined 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 I-Card

17.3.1 Every student of this College must display the college-issued I-Card 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 ₹. 200 (which will go towards the Students' Beneficiary Fund - SBF) on any student found without the I-Card being aptly displayed, while on campus.

17.3.3 The use of another student's I-Card and lending of an I-Card to another student is unacceptable and will attract suspension from the College.

17.3.4 If the college-issued I-Card is lost, the student must register the loss with the Mumbai Police. Only against the Police Certificate, the student will be issued a temporary I-Card (for 15 days). After the lapse of 15 days, a proper duplicate I-Card will be issued (provided that there are more than 2 months of the concerned academic year remaining). The student would have to pay ₹100 for the temporary I-Card and or ₹500 for the duplicate I-Card - 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 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 is untidy when they enter 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 coloured) 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 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 on the following page for the Library Rules.

17.4.7 Students' Common Rooms must be kept tidy 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 hygienically. 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 about 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 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. Defaulters will be sent home.

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 8.00 a.m. to 7.30 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 in whose 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 before 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 made toward inclusive education through the XRCVC, which promotes a disabled-friendly campus, sensitisation of both faculty and peers on how to work with and include students with disabilities, and scholarships for disadvantaged students through the Student Beneficiary Fund. Study packs comprising essential readings from various sources are prepared to cover the syllabus, supplemented by guided and critical study support and additional reference materials.

17.14.1.5 The use of Bloom's Taxonomy to evaluate Learning Objectives for the Teaching - Learning Process and for Question Paper Setting is practised.

17.14.1.6 To ensure objective criteria for assessment, pre-announced Presentation / Assignment Evaluation Grids are used.

17.14.1.7 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.

17.14.1.8 To get regular student feedback about faculty on the teaching-learning process, the Teacher Assessment Questionnaire (TAQ) is administered.

17.14.1.9 To enable new faculty to settle in, in-house orientation programmes for them are organised, 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 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 to experience industry and corporate entities in the real world.

17.15.2 Annual Department Seminars (usually at the College Khandala Villa) are organised to help students build their confidence and skills in making academic presentations.

17.15.3 Annual thematic Department Journals are published containing students' articles. This helps in exposing students to writing research papers and even handling editorial tasks.

17.15.4 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.

17.15.5 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.

17.15.6 Infrastructural support in the form of research facilities like the Heras Institute, Blatter Herbarium, NSRL, and Caius is made available to faculty members.

17.15.7 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 Department of Microbiology and passed

through the Bioscience Faculty involved in research and the members of the Institutional Biosafety Committee (IBSC) of the college.

17.15.8 The College publishes 'Xplore', the annual peer-reviewed Research Journal by the Faculty 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, thereby provoking 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 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 and at the annual Parent-Teacher Meeting.

17.17 Annual Theme

Humaneness in the age of innovation means keeping human dignity at the core of rapid technological progress and being ethically responsible. Innovation must enhance and not replace empathy that binds us. Humaneness calls for inclusion, ensuring no individual is left behind in the pursuit of advancement. The true measure of innovation lies not only in what we create but in how deeply it strengthens our shared human values and collective well-being.

18. Academic Calendar 2026 - 27

Senior College Calendar for ODD Semester 2025 - 26	
JUNE 2026	
8^{th}, Monday	College Reopens (Odd Semester) Meeting of the Teaching Faculty with the Principal
9^{th}, Tuesday	9-10 am Holy Eucharist Mass at Fr. Palacios Hall, SY & TY, PG-II lectures begin from 10am
13^{th}, Saturday	Orientation and Induction for PG -I & 4th Year
15^{th}, Monday	FY BA/BSC/BCOM Orientation PG-I and Honours Year (HY) Lectures Begin
16^{th}, Tuesday	Holy Eucharist Service (Mass) for FY, HY and PG-I 9:00 a.m. – 10:00 a.m. Fr. Palacios Hall, FY lectures begin from 11.00 am onwards, FY BA/BSc/BCom Induction (Detailed programme-wise schedule will be communicated separately.)
17^{th}, Wed - 19^{th}, Fri	FY BA/BSC/BCOM Induction
20^{th}, Saturday	International Yoga Day – ECC
25^{th}, Thursday	AAA
26^{th}, Friday	Muharram- Public Holiday
JULY 2026	
20^{th}, Monday	CIA-I: FY, SY, TY, HY,PG 1, PG 2 (20^{th}, to 25^{th},)
31^{th}, Friday	Feast of St. Ignatius of Loyola & College Day Programme
AUGUST 2026	
13^{th}, Thursday	Elimination round for Malhar 2026 14^{th}, Friday & Malhar 2026
15^{th}, Saturday	Independence Day Celebration & Malhar 2026
26^{th}, Wed	Id-E-Milad- Public Holiday
27^{th}, Thu - 29^{th}, Sat	Centralised Exam for IKS,CoI & AEC (Lectures resume from 10am)
31^{th}, Monday	CIA-II: FY, SY, TY, HY,PG 1, PG 2 (Lectures Continue) (31^{th}, to 07/09/2026)
SEPTEMBER 2026	
5^{th}, Saturday	Janmashtami- Public Holiday
9^{th}, Wed	9th–12th Sept & 26th Sept–3rd Oct 2026- End Semester Practical Exams (UG & PG) Commence; (Lectures continue); No exams from 14th–25th Sept 2026
14^{th}, Monday	14/09/2026 to 19/09/2026) Mid Term Break (Ganpati Vacation)
25^{th}, Friday	Anant Chaturdashi- Public Holiday
26^{th}, Saturday	All extra-curricular activities conclude for the semester.
OCTOBER 2026	
2^{th}, Friday	Gandhi Jayanti- Public Holiday
3^{th}, Saturday	Last day of teaching
5^{th}, Monday	Doubt-solving sessions
6^{th}, Tuesday	(06/10/2026 to 19/10/2026) End Semester Exams for FY, SY, TY,HY, PG I & II
20^{th}, Tuesday	Dussehra- Public Holiday
21^{th}, Wed	Additional Examinations commence
30^{th}, Friday	End-of-Term Faculty Meeting
31^{th}, Saturday	(31/10/2026 to 15/11/2026) Diwali Vacation

*****FY Orientation dates are SUBJECT TO CHANGE AS PER THE GOVT NOTIFICATION AND ADMISSION COMPLETION after CBSE 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.

Senior College Calendar for EVEN Semester 2025 - 26	
NOVEMBER 2026	
16th, Monday	Even Semester Lectures begin
24th, Tuesday	Guru Nanak Jayanti-Public Holiday
28th, Saturday	Sports Day
DECEMBER 2026	
3th, Thursday	Feast of St. Francis Xavier and Traditional Day
17th, Thursday	CIA-I: FY, SY, TY, HY,PG 1, PG 2 (17/12/2026 to 22th,)
24th, Thursday	Winter Break (Christmas Vacation) (24/12/2026 to 01/1/2027)
JANUARY 2027	
2th, Saturday	College Reopens
16th, Saturday	Parent–Teacher Meeting (Subject to change. Please refer to the College website.)
26th, Tuesday	IMG – Jan Fest 2026–27, Republic Day celebration - Public Holiday
FEBRUARY 2027	
2th, Tuesday	Centralised Exam for CoI & AEC
3th, Wednesday	Centralised Exam for CoI & AEC
4th, Thursday	CIA-II: FY, SY, TY, HY,PG 1, PG 2 (Lectures Continue) (4/2/2027 to 9/2/2027)
19th, Friday	Chhatrapati Shivaji Maharaj Jayanti – Public Holiday
24th, Wednesday	End Sem Practical Exams (UG & PG) commence, Lectures continue (24/02/2027-11/03/2027)
27th, Saturday	Science Day Celebration (PG/PhD projects) All extra-curricular activities are closed for the semester.
MARCH 2027	
6th, Saturday	Mahashivratri- Public Holiday
10th, Wednesday	Ramzan-Id (Id-Ul-Fitr) – Public Holiday
11th, Thursday	Last day of teaching
12th, Friday	Doubt-solving sessions
13th, Saturday	(13/3/2027 to 29/3/2027) End Semester Exams for FY, SY, TY,HY, PG I & II 2
22th, Monday	Holi (Rang Panchami) – Public Holiday
26th, Friday	Good Friday – Public Holiday
APRIL 2027	
8th, Thursday	Additional Examinations commence
14th, Wednesday	Dr. Babasaheb Ambedkar Jayanti – Public Holiday
15th, Thursday	Ram Navami – Public Holiday
17th, Saturday	Moderation to be completed
23th, Friday	Commencement Ceremony
24th, Saturday	Commencement Ceremony
30th, Friday	Meeting of Teaching Faculty with Principal
01st Fri	Maharashtra Day Celebration

The calendar is tentative. The college reserves the right to change the schedule without any prior notice. Exams may get postponed due to 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.

31 July 2015 Principal

19. College Student Achievers 2025 - 26

Bachelor of Arts			
BA (AIHCA)	Krishnacharana A S	BA (Economics)	Asmi Ghandat
BA (English)	Sneha Shaji	BA (History)	Gomes Ashlyn Andrew
BA (Psychology)	Niyati Bhat	BA (Pol Science)	Mrunmayi Gangal
BA (Sociology)	Radha Sajanikar	BA (MCJ)	Purva Kumta

Bachelor of Science			
B Sc (Botany)	Koushani Maity	B Sc (Chemistry)	Anushri Dinesh Patil
B Sc (Geology)	Gargee Anil Javiya	B Sc (Life Science)	Isabel Boban
B Sc (Mathematics)	Irteqa Ansari	B Sc (Microbiology)	Amaya Sathaye
B Sc (Physics)	Simone Saldanha	B Sc (Statistics)	Navneet Krishnan
B Sc (IT)	Vikas Rana	B Sc (Zoology)	Esha Shah

Bachelor of Commerce			
B Com (FAA)	Dhanush Pandiyan	B Com (MS)	Vian Khemka
B Com (AF)	Nityant Agarwal		

Master of Arts			
MA (AIHCA)	Aparna Sambhare	MA (Economics)	Aditi Gandhi
MA (Psychology)	Bhavi Kanugo	MPP	Aditi Sharma

Master of Science			
MSc (Botany)	Priya Vishwakarma	MSc (Geology)	Apurv Pingale
MSc (Life Sci)	Rensa Reji	MSc (Microbiology)	Nidhi Shah
MSc (Physics)	Abhishri Ashish Shrivastava	MSc (Biotechnology)	Sharvari Vichare
MSc (BDA)	Serina Rachel Soubha		