

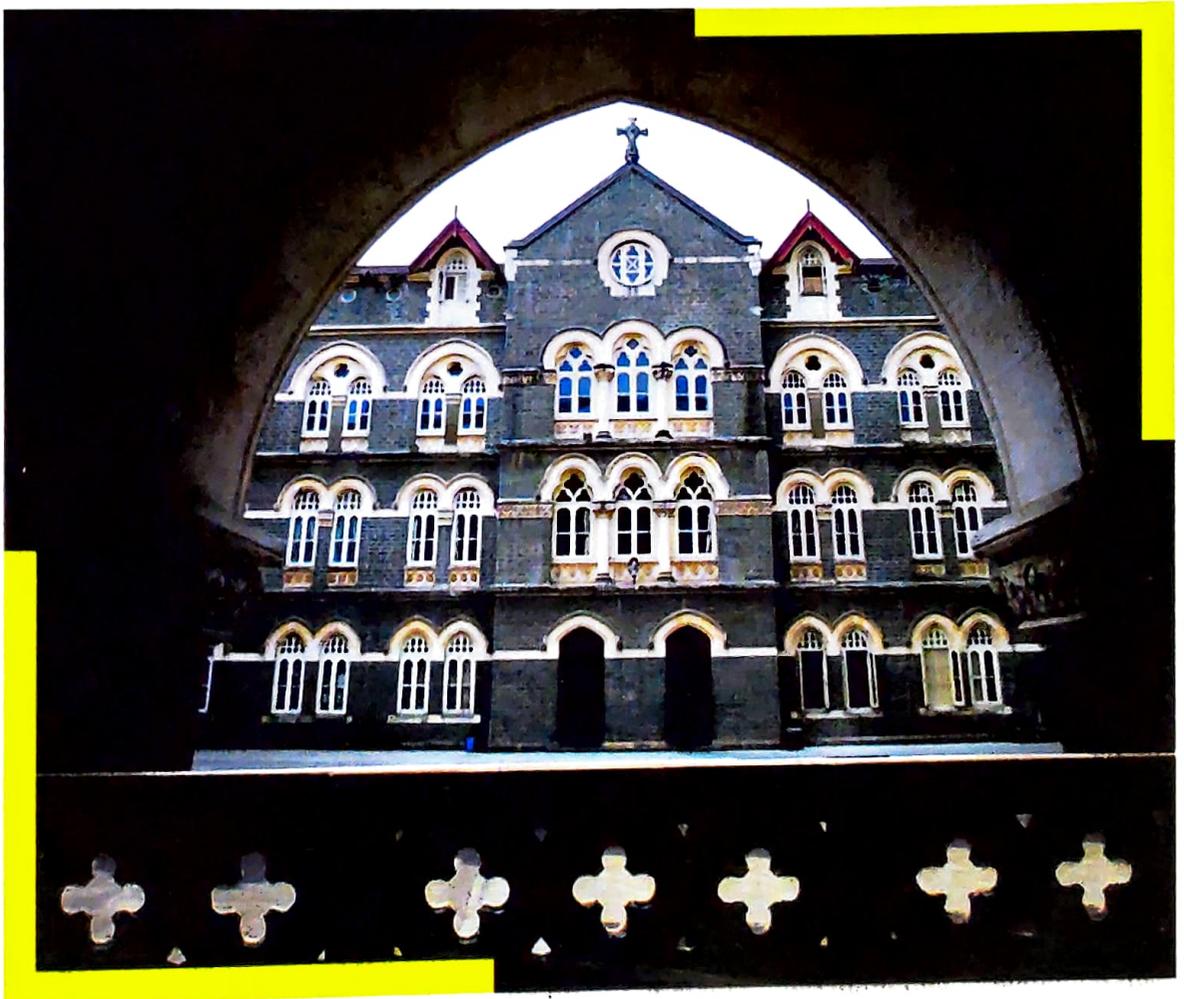
St. Xavier's College



Autonomous
Mumbai



Established in 1869



HANDBOOK 2015

UGC "College of Excellence"
NAAC Accredited A-3.63 out of 4

www.xaviers.edu

GOVERNANCE

GOVERNING BODY OF THE BOMBAY ST. XAVIER'S COLLEGE SOCIETY

Chairman & Trustee:

Fr. Vernon D'Cunha, S.J. (*Provincial*)

Vice Chairman & Trustee:

Dr. (Fr) Anthony J. D'Souza S.J. (Rector)

Ex-Officio Trustee:

Dr. Baptist Agnel Menezes (*Principal*)

MEMBERS:

Dr. (Fr.) Anthony Dias, S.J.

Dr. (Fr.) Roy Pereira, S.J.

Fr. Conrad Pessa, S.J.

Fr. Lawrie Ferrao, S.J.

MANAGEMENT BOARD

Dr. (Fr.) Anthony J. D'Souza, S.J. (*Chairperson*)

Fr. Conrad Pessa, S.J. (Management Rep)

Fr. Lawrie Ferrao, S.J. (Management Rep)

Dr. (Mr.) Shakeel Ahmad (UGC Rep)

Joint Director, Higher Education (Govt. Rep)

(Univ. Rep)

(Univ. Rep)

Dr. Sam Taraporevala (Faculty Rep)

Dr. Hrishikesh Samant (Faculty Rep)

Fr. Terence Quadros, S.J. (Alumnus)

Dr. (Fr.) Roy Pereira, S.J. (Alumnus)

(Alumnus)

Dr. Baptist Agnel Menezes (Secretary)

ACADEMIC COUNCIL

Dr. Baptist Agnel Menezes (*Chairperson*)

Dr. (Ms.) Anita Rane (Ancient Indian Culture)

Dr. (Ms.) Aditi Sawant (Economics & Commerce)

Ms. Pearl Pastakia (English)

Ms. Alpana Palkhivale (French)

Dr. (Ms) Asha Dayama (Hindi)

Dr. (Ms.) Fleur D'Souza (History)

Ms. Pratiba Naitthani (Political Science)

Dr. (Mr.) Agnelo Menezes (Public Policy)

Ms. Ruby Pavri (Psychology)

Dr. (Mr.) Sam Taraporevala (Sociology)

Ms. S. Periyanyagi (Mass Media)

Dr. (Ms) Ujwala Bapat (Botany)

Dr. (Mr.) Freddy Havaldar (Chemistry)

GOVERNANCE

Dr. (Mr.) Hrishikesh Samant (Geology)
Dr. (Ms.) Nandita Mangalore (Life Sciences)
Dr. (Ms.) Mangala Gurjar (Mathematics)
Dr. (Ms.) Vivien Amonkar (Microbiology)
Dr. (Ms.) Shyamala Bodhane (Physics)
Ms. Pooja Ochaney (Statistics)
Dr. (Ms.) Smita Krishnan (Zoology)
Dr. (Ms.) Vivien Amonkar (Biotechnology)
Dr. (Ms.) Jyoti Singh (Information Technology)
Fr. Errol Fernandes (Commerce)
Ms. Soni George (Management Studies)
Dr. (Mr.) Rajendra Shinde (Faculty nominated)
Dr. Fr. Roy Pereira S.J. (Faculty nominated)
Mr. Rajesh N. Vora (Faculty nominated)
Dr. (Ms.) Madhuri Kagalkar (Govt. Rep)

EXAMINATION COMMITTEE

Dr. Baptist Agnel Menezes (*Chairperson*)
University Controller of Exams
Dr. (Mr.) Hoshang Master
Ms. Madhuri Raijada
Mr. Subhash Kumar

FINANCE BOARD

Dr. Baptist Agnel Menezes (*Chairperson*)
Mr. V. F. Tayade – University Representative
Fr. Conrad Pessa, S.J. (Treasurer)
Dr. (Ms.) Asha Dayama (Faculty)
Dr. (Mr.) Rajendra Shinde (Faculty)

BACKGROUND

COLLEGE ADMINISTRATION AND SERVICES

Principal

Dr. Baptist Agnel Menezes

Vice-Principal (Academics)

Convenor IQAC

Dr. (Fr.) Roy Pereira, S.J.

Vice-Principal (Arts)

Dr. (Ms.) Asha Naithani Dayama

Vice-Principal (Science)

Dr. (Mr.) Rajendra Shinde

Vice-Principal (Commerce)

Fr. Errol Fernandes, S.J.

Controller of Examinations

Dr. (Mr.) Hoshang E. Master

Registrar

College and Trust Treasurer

Fr. Conrad Pessa, S.J.

Librarian

Ms. Medha Taskar

Director, Knowledge Centre

Mr. Kevin D'Cruz

Director, International Programmes

Dr. (Ms.) Radiya Pacha Gupta

Student Counsellor

Dir., Social Service League

Fr. Terence Quadros, S.J

Administrative Officers

Mr. Babuji George

Mr. Norbert Lobo

Director of Sports

Mr. Thomas Pires

Hostel Superintendent

Dr. Baptist Agnel Menezes

BACKGROUND

ST. XAVIER'S COLLEGE

MUMBAI

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

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

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

St. Xavier's College, thus, endeavours to contribute to the necessary transformation of the prevailing social conditions. This transformation, envisages that the principles of social justice, equality of opportunity, genuine freedom and respect for religious and moral values enshrined in the Constitution of India, shall be upheld, and that all men and women shall live in keeping with their human dignity and self-respect.

BACKGROUND

A commitment to the environment and to inclusive education is of special concern – two issues that the country is grappling with and that St. Xavier’s College feels it needs to make a small but significant contribution to.

The Society of Jesus exercises its responsibility over St. Xavier’s College through a Governing Body, whose Chairman is the Provincial of the Mumbai Province of the Society, Vice-Chairman is the Rector of the College and Secretary is the Governing Body’s Chief Executive.

St. Xavier’s is one of the first few colleges in Maharashtra to go in for the third round of accreditation by the National Assessment and Accreditation Council (NAAC) – an autonomous organization under the UGC, and was awarded an **A Grade with a 3.63 grade point average out of a maximum of 4.**

The UGC conferred on St. Xavier’s College the coveted award of “**COLLEGE OF EXCELLENCE**” in April 2014, after identifying the institution as “**College with a Potential for Excellence**” in June 2006.

The University of Mumbai conferred on the College, the **Best College Award** in the Urban category, for the academic year 2007-2008.

The University of Mumbai notified St. Xavier’s College as the first **Autonomous College** of the University, from June 2010.

In 2012, the Department of Biotechnology, Government of India has selected St. Xavier’s as a **Star College** for the undergraduate teaching of science in the country.

St. Xavier’s College was awarded a Certificate of Excellence by the ASSOCHAM in the category, “**Best Institute Serving a Social Cause**” on Feb 19th, 2014.

RESEARCH INSTITUTES

The Heras Institute of Indian History and Culture was founded in 1926, as the Indian Historical Research Institute, by the Late Rev. Fr. Henry Heras, S.J., and, on his death in 1955, it was named after him. The Heras Institute, with its well-maintained Research Library and Museum, provides guidance and facilities for post-graduate research in the fields of Ancient, Medieval and Modern Indian History, Indian Art and Literature, Indian Religions and Culture. INDICA, published since 1964, is the Research Journal of this Institute. Its present Director, Dr. (Ms.) Joan Dias, has a Doctorate in History.

The Blatter Herbarium was started at the end of the 19th century but it was around 1918 that a very large number of plants was gathered by the late Rev. Fr. E. Blatter, S.J., his associates and students. The Herbarium was named after Fr. Blatter in 1941, and now 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 a grant from the Sir Ratan Tata Trust for upgradation and digitization of the plant database and work on this has begun in May 2015.

The Caius Laboratory for Inter-Disciplinary Research, named after the late Rev. Fr. J. F. Caius, S.J., was established in August 1947, for the purpose of carrying out drug research. It saw the identification of a strain of *Streptomyces*, among other achievements. This laboratory has been restructured and equipped with sophisticated new instruments. It functions as a research and coordination centre at the service of all the Science departments. This Laboratory has been supported by grants from Industry and from the University Grants Commission, the UNDP and other agencies. Its present Director, Dr. (Ms.) Priya Sunderrajan, has a Doctorate in Plant Science Genetics.

The Central Instrumentation Facility (C.I.F.): This is an air-conditioned facility with sophisticated equipment acquired mainly through a DST-FIST grant, for use of the Biological and other Science Departments. It was inaugurated in December 2006. It is a part of the Caius Research Laboratory.

The Nadkarny – Sacasa Research Laboratory was opened on July 15, 1972 as a well equipped laboratory. It fulfils the need for modernising research facilities in Chemistry and for trying to make research go hand-in-hand with industry. It sustains 20 post-graduate research students in the field of Chemistry and has produced several doctorates. It's present Director Dr. (Fr.) Roy Pereira, S.J. has a doctorate in the interdisciplinary area of Neuroscience.

FACILITIES

FACILITIES:

The College Library: The Library is central to all the academic activities of the College. It provides a place in which to study, material for study and services to assist study. With a computerised database of the books in the Library, the search and retrieval of books is easy. It is open from 9.00 a.m. to 8.00 p.m. An online database of our books is available through a link on our website.

The Library offers various facilities to its readers:-

1. The Reference Library includes: Reserve Counters, Overnight Loans, Photocopying Service, Reference Services, Inter-Library Loans, Journals and Reference Books and a special Multi-Media facility for accessing CDs on computers.
2. The Lending Library houses the On-line Public Access Catalogue (OPAC) for information search, Paperback Library and a Print and Non-Print Media Library (Audio Cassettes, T.V. and V.C.R. for group and individual use).

Details are available with the Librarian and the Library Staff.

The Smith Centre for Audio-Visual Instruction, designed and equipped for placing advanced audio-visual instruments and techniques at the service of staff and students, became functional in December 1979, with a seating capacity of 100. It has recently been completely renovated under grants from the Sir Dorabjee Tata Trust.

The Multi-Media Room (MMR) is a centralized facility for Multimedia-based instructions and presentations for our staff and students. It is well equipped with conventional audio-visual instrumentation, a Multi-Media Computer and an LCD Projector. It has a seating capacity of 120. It has been completely renovated under grants from the Sir Dorabjee Tata Trust for upgradation of heritage infrastructure.

The Fell Gymkhana built in 1954 and later named after its founder Fr. Fell, has celebrated its Golden Jubilee. It is furnished with varied equipment and provides body-building, badminton, table-tennis, carom, chess and other recreational facilities for staff and students of the College. The services of the Director, Mr. Thomas Pires and that of the Coaches in the group games are available for guidance.

In addition, the College has the use of a Cricket Pitch across the road on Azad Maidan, leased to us by the BMC. The College has its own full size Basketball Court and also a Volleyball Court for the use of our students.

FACILITIES

The College Canteen is a large spacious area, with a view of greenery all around, and a variety of refreshments and meals available. It tends to be the most popular place on campus, not only for physical refreshment but also for student bonding, discussions and even work on assignments and projects.

The College Counselling Centre was founded in 1954, and provides the following services: Personal counselling - interviews for better personal and social adjustment; personality evaluation tests for self-improvement; testing programmes for vocational purposes; information on careers, professions and specialized studies in India and abroad; information on scholarships and financial assistance schemes; help in the admission of students and in organizing orientation programmes for Freshers. Fr. Terence Quadros S.J. is the present Director.

The Xavier Knowledge Centre: Opened in 2006, it is situated on the First Floor of the Hostel Building and includes 3 Computer Laboratories of 30 Computers each and 2 Cyber Labs to facilitate Staff and Student use of computers & the internet. One of the Computer Laboratories also has state-of-the-art Video Conferencing facilities. The Centre hosts the B.Sc. (I.T.) course, as well as Computer Courses in collaboration with other organizations. A Cyber Lab which provides internet facilities for students has been powered by solar panels and is an example of the use of green energy. Mr. Kevin D’Cruz, Associate Professor, is its present Director, assisted by Ms. Vidhi Mehta, Computer Professional and Ms. Nilam Jadhav – Office Assistant.

The St. Xavier’s Villa, at Khandala is open to our staff and students for retreats, seminars and educational conferences. St. Xavier’s Villa commands a beautiful view of the Khandala hills and dales, is shady and spacious, and is just twenty minutes’ walk from the Khandala Station, Central Railway. Our facilities include a small chapel, a dining room, two conference halls and about 40 rooms which can be used for single, double or triple occupancy. A Caterer provides regular meals. Bookings can be done at the Treasurer’s Office of the College.

Xavier’s Resource Centre for the Visually Challenged (XRCVC): Thanks to the support extended by individuals, Trusts and Corporates, we run a state of the art facility for meeting the educational and other needs of visually challenged persons. The Centre is equipped with the latest technological innovations such as various screen readers, screen magnifiers, text to speech converters, Braille machines etc. The XRCVC’s activities involve: a) Student Activities: Student support,

FACILITIES

educational and training programmes and volunteer support. b) Social Advocacy: An advocacy programme looking at accessibility issues of the visually challenged at the national level. c) Awareness Work: Work with awareness generation on the lives of persons with disability with a wide range of groups such as school and college students, employers, teacher trainees and educators etc. A detailed account of the facilities and work of the XRCVC is available on its website www.xrcvc.org. Dr. Sam Taraporevala is the moving force behind the Centre.

St. Xavier's College Hostel: We have a hostel on campus for male students of the Senior College only, which can accommodate 64 students with all the facilities for study, recreation and common living. The College Canteen serves subsidized meals and refreshments for hostelites and guests. The rooms are all meant for two occupants each. Admission is not guaranteed and the Hostel Superintendent will accept applications only after admission to the College has been secured. Priority is given to students of the Science Faculty and of the First and Third Years of Senior College. Women students find accommodation in several hostels in Mumbai and the College can put prospective students in touch with these. Dr. Agnelo Menezes is presently the Hostel Superintendent, under the overall supervision of the Principal.

St. Xavier's Language Laboratory: Adjoining the Hostel, there is a Language Laboratory equipped with the latest in Language Acquisition technology. This is meant both for new learners of the language and for those doing advanced courses in English, Hindi, French and Marathi. A Language and Soft-skills specialist, Ms. Jyoti More, is available for guidance.

St. Xavier's College Placement Centre: We know that with the reputation that the College has, it is not difficult for the majority of our students to find employment. However, an organized effort to put students in touch with Reputed Employers and also to train them in the writing of Resumes and to acquaint them with the Selection Process of Corporates was the need of the hour. Some of our Teaching Staff have taken responsibility for this Centre and it has already received an enthusiastic response from Industry and Students. Mr. Roy Thomas is the Placement Committee Convenor.

Chapel cum Prayer Hall: Housed in a 'heritage' structure, the Chapel is open during college hours, and students and staff of all faiths are welcome to a time of quiet and prayer. The Eucharist is held 4 times a week for Catholic students and staff, during the class break timings.

FACILITIES

Administrators' Office and Workshop: This has a staff of 8 workers, including Administrators who coordinate the purchase and maintenance on campus.

Student and Staff Common Rooms: There are separate and spacious Common Recreation Rooms for male and female students and for Teaching and Non-Teaching Staff.

Grievance Redressal Mechanism: The College would like to facilitate the redressal of grievances that students may have - both academic as well as personal. For academic grievances, the student should first approach the Head of the Department concerned, if the Professor in question is not open to dialogue. The student may then approach the Vice Principal of the concerned Faculty or the Principal. A reasonable attempt at confidentiality will be maintained by the College authorities. A Grievance Redressal Committee made up of the 4 Vice Principals and the Treasurer of the College will look into any formal complaints made by students or faculty and will recommend any action thought desirable to the Principal. Complaints may be made directly to any of the members.

For personal matters or regarding facilities on campus, students are encouraged to meet their Professors or the Vice Principal concerned. The Principal may also be approached if needed. Suggestions and feedback to improve the quality of life on campus are welcome. The Students' Council may also be used to channel such communication.

Xavier's Women's Development Cell: This has been formed in 2006 to coordinate programmes for awareness and action on Women's issues. It also constitutes a Gender Grievance Redressal Cell for complaints of sexual harassment or discrimination. Ms. Madhuri Rajjada is the Convenor of the WDC.

First Aid Centres: Basic first aid is available with Ms. Grizel Menezes in the College General Office and Fr. Terence Quadros in the Counselling Centre. The College General Office personnel will facilitate the calling of a doctor in case of an emergency or the person concerned can be immediately taken to the G.T. Hospital or the Bombay Hospital, both within a stone's throw. A Sick Room for students who take ill on campus is available adjoining the Seminar Room. The Security Personnel at the Gate will assist with this Centre and with access to a stretcher and wheelchair.

FACILITIES

Disaster Management on campus, in case of accidents or other untoward events, would be best effected by contacting immediately the College Administrator (Ext.336) or the College Receptionist (Ext. 333) on any intercom in the College. The Principal may also be contacted (Ext. 301). Contact with the College authorities is possible on phone lines: 22620661 or 22620665 through the use of a mobile.

Study Abroad Counselling Centre was begun in 2012 to help students get admission into post-graduate programmes at various foreign Universities. The College has signed an M.O.U. with S.O.A.S. University in the U.K. for placement of our students. The Centre helps students in selecting Universities, appearing for TOEFL/GRE, Visa requirements and pre-departure formalities. The Centre works in close collaboration with the Council of International Programs to assist our international exchange students. Ms. Rashida Haidermota is in-charge of the SAAC.

The Department of Inter-Religious Studies was inaugurated in 1987. Its objective is to foster an understanding and appreciation of religions and, thereby, to contribute towards communal harmony and national integration. The Department conducts non-formal courses, seminars and public lectures and promotes research on issues of socio-religious concern. Fr. Prashant Olalekar is the present Head of this Department.

SPECIAL PROGRAMMES

SPECIAL PROGRAMMES:

The Honours Programme aims at providing an intellectual challenge to the academically bright, top one-third of the students. It seeks to go beyond the regular syllabii, to provide scope for greater student participation and to promote creativity in the learning process. Through assignments, seminars, projects and displays, the Honours Programme makes learning an exciting academic adventure. Over a period of three years, students can accumulate a minimum of 7 credits for various activities under the Honours Programme. A certificate of merit is awarded to students who successfully complete the Programme. Participation in our special Social Involvement Programme (S.I.P.) for another 30 hours beyond the compulsory 60 hours required for every student of the College, will earn a student an extra credit on the Honours Certificate. The Honours Programme started more than 30 years ago, is now being adopted by other Mumbai Colleges.

The Personality and Human Values Programme (P.H.V.): This is the Value Education Programme of the College started about 50 years ago with weekly sessions for students. The use of group dynamics, audio visuals and other techniques help students to grapple with important issues of life. The Flora and Francis Mascarenhas Endowment Fund for Value Education, donated by their five sons who are alumni of the College, provides funding for this activity from 2010.

The Social Involvement Programme (SIP): This new dimension to education was added in 1996 with the aim of making education more socially relevant. St. Xavier's has always been committed to extending the learning experience beyond the classroom into the real world. Our students are encouraged to learn through direct involvement with Indian society. When the heart is touched by direct experience, the mind is challenged to change. Personal involvement with innocent suffering and with the injustice others suffer is the catalyst for solidarity. This involvement includes working with children living on the streets and in slums, with the physically and mentally challenged, with orphans, with domestic workers, with those suffering in hospitals, with senior citizens, etc. Under the guidance of three Social Workers, students are required to work a minimum of 60 hours with an NGO in the city or in the rural areas. This is followed by reflection, discussion and reports.

SPECIAL PROGRAMMES

Learning for Life Programme: This is a co-curricular programme of the College, which seeks to enlarge the scope of learning from the strictly academic to other areas of accomplishment. Short term courses in Public Speaking, Photography, Calligraphy, Personality Development, Self Defence and other skills are organized under this programme. The Extra Curricular Committee takes this under its wing.

International Programmes: St. Xavier's has gone global, facilitating international exposure to the best educational institutions in the world. Summer Programmes at the University of Berkeley, an exchange of students for short programmes with Harvard University (U.S.) and New York University – the Stern School of Business, hosting of short academic sessions for students of Yale University, a collaborative teaching programme with the University of Bath, UK and collaborative research programmes with the Liverpool Hope University of the UK, are some of the recent initiatives. Faculty exposure to the best Universities of the world through short-term visits to the UK, EU and the U.S. help our faculty to adopt the best academic practices in Higher Education. We expect this to be a major area of growth in the years ahead. Dr. Ms. Radiya Pacha Gupta is the Director of the Council for International Programmes.

The Students' Council: The College has a long tradition of student participation in decision-making, with regularly elected bodies in the past. However, the Maharashtra Government has disallowed elections for students in Universities and Colleges of the State. We now have nominated members on the Council to serve as representatives of the students of each Class in College.

The Extra-Curricular Committee: Consisting of Faculty and Students, this Committee coordinates all the cultural and other extra-curricular activity on campus and also monitors the extra-curricular involvement of each student in his or her attempt at completing 60 hours of such activity to earn the Extra-Curricular non-academic credits which are mandatory under the Autonomous system of the College.

STUDENT ASSOCIATIONS

Malhar: Inter-collegiate Cultural Festival: The College organizes the annual Festival called Malhar, involving teams from about 60 other Colleges in Mumbai and elsewhere, with a range of 30 cultural contests in the Literary, Performing Arts and Fine Arts categories, along with a number of Workshops on different themes. The Conclave is a new addition, with reflective sessions for debate and dialogue on important issues confronting our world. A workforce of about 1000 students takes part in the organization of this huge event which draws about 20,000 student participants and audience to the College Campus over two days.

The Indian Music Group (I.M.G.) was founded in 1973 to promote Indian Classical Music in the city, especially among its young people. It organises concerts, lecture-demonstrations and music appreciation courses. Its annual Indian classical music festival (JAN FEST), held in the month of January, is very highly rated. In 1984, thanks to the generosity of Britannia Industries Ltd., THE I.M.G. BRITANNIA LIBRARY (air conditioned) was set up with an enviable collection of LP's and tapes, inclusive of several hundred hours of recorded live performances. Dr. (Ms.) Asha Dayama directs the IMG with the help of a small committee of the Faculty.

The Social Service League (S.S.L): This started more than 50 years ago. The SSL caters to the altruistic sensibilities of our students. Prominent among its activities is an Exhibition on a socially relevant theme, an annual Rural Work Camp building infrastructure for people, an annual event called Project Care – a two-day festival for children who are differently challenged - visits to Homes for the disadvantaged and similar activities. Fr. Terence Quadros is the Director.

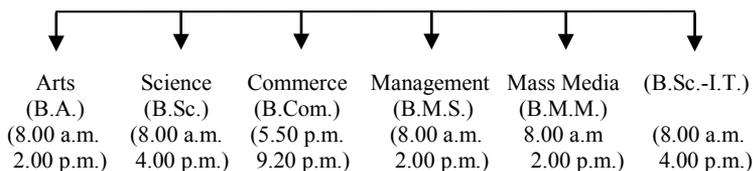
The College Alumni Association: Titled, “The St. Xavier’s College Association”, it is one of the few in the country to have completed a century. Started in 1903 to cater to alumni/ae who would like fellowship and contact with their Alma Mater, the Association has seen illustrious ex-students involved in its activities.

All India Christian University Federation (AICUF): Inspired by Christian values, the AICUF, a national youth organization, seeks to give students an opportunity to develop an all-round personality through leadership training, social commitment and cultural activities. It organizes the College Choir and encourages participation in drama and other means of self-expression. Fr. Prashant Olalekar is the Director.

GENERAL INFORMATION

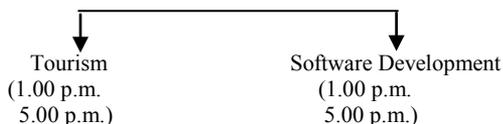
St. Xavier's College - Autonomous, affiliated to the University of Mumbai, conducts the following Educational Programmes:

Senior College



Classes of the Commerce Faculty are conducted in the late evening, primarily to encourage working students of a disadvantaged background.

B.Voc. Courses



The College offers the following subjects for a Post-graduate degree by Research / Papers:

By Papers: M.A. in Ancient Indian Culture and M.A. in Public Policy. M.Sc. in Botany, Geology, Life Sciences, Microbiology and Biotechnology.

By Research:

M.A. and Ph.D. (Arts) :

- a) Ancient Indian Culture
- b) Avesta-Pahlavi
- c) History

M.Sc. :

- a) Botany
- b) Chemistry
- c) Geology
- d) Life Sciences

Ph.D. (Science) :

- a) Botany
- b) Chemistry
- c) Geology
- d) Life Sciences

GENERAL INFORMATION

DISCIPLINES IN THE FACULTIES OF ARTS, SCIENCE, COMMERCE 2015 – 2016

ARTS:

Ancient Indian Culture	French	Psychology
Anthropology	Hindi	Public Policy
Commerce	History	Sociology
Economics	Mass Media	Statistics
English	Political Science	Tourism

SCIENCE:

Biochemistry	Geology	Physics
Biotechnology	Information Technology	Statistics
Botany	Life Science	Software-
Chemistry	Mathematics	Development
Economics	Microbiology	Zoology

COMMERCE : Accountancy

MANAGEMENT STUDIES: Marketing & Finance

MASS MEDIA: Advertising; Journalism

ADMISSION POLICY

ADMISSION POLICY :

St. Xavier's College – Autonomous, affiliated to the University of Mumbai, conducts the BA, B.Sc., and B.Com Government Aided Degree Courses on Campus. The College also conducts the Bachelor Courses of the BMM, BMS and B.Sc. I.T. Degree Courses on a Self-Financing Basis. Masters Courses (Aided) in Botany, Geology, the Life Sciences, Microbiology and Ancient Indian Culture, the M.Sc. Biotechnology Degree Course (Self-Financing) and the M.A. in Public Policy (Self-Financing) are also conducted. The College has also introduced the UGC sponsored B.Voc. Degree Courses in Tourism and in Software Development from the Academic Year 2014-2015. The University of Mumbai awards degrees for these courses.

Diploma courses on Clinical Research, Forensic Science and Criminal Law, and Counselling Psychology are also held in collaboration with other Institutions or groups. Details of admission for these courses are available elsewhere in this handbook.

Admissions for most degree courses, except those explicitly specified (the BMM and BMS, the MA in Ancient Indian Culture and the MSc in Life Sciences), are done on the basis of the overall percentage of Marks scored in the Qualifying Examination. If the Qualifying Examination awards Grades, these are converted into percentages according to a scale provided by the University of Mumbai.

The College is a Catholic Minority College, administered under the Provisions of the Indian Constitution, to promote the welfare of the Minority community. It extends its services to all other communities in India, so as to contribute to the harmony and integration of Indian society. 50% of seats are reserved for Catholic Minority students. As per the directives of the Government of Maharashtra, there is also a reservation for Special category students and for Backward Class students. The rest of the seats are for students from the General Category.

Applications for Admissions to the BA, B.Sc., B.Sc. I.T., B.Voc. Courses in Tourism & Software Development, M.A: AIC and Public Policy and M.Sc: Botany, Biotechnology, Geology, the Life Sciences and Microbiology courses are to be submitted online through a facility on the College website, located on the Homepage. This facility will be available from the last week of May 2015. These dates are uncertain and are normally in the first part of June. Admissions will actually be done, on days to be announced, through an interview of the candidate

ADMISSION POLICY

and one parent/guardian. The offer of admission will be notified on the website, on the College Notice board and through an email.

Applications for Admissions to the BMS and BMM courses are to be submitted online, and the admission process includes an Entrance Exam. Please look up the details on the Home Page of the College website. Online applications for these two courses are accepted from the 1st of May to the 30th of May 2015.

Admissions to the B.Com course are done through the College office, by filling up and submitting a form for the same, and through an interview with the Vice Principal of the Commerce section or his representative. The Commerce Section holds classes in the late evening from 5.50 pm to 9.20 pm. It is not meant for the regular student. It is specially designed to offer higher education to working students of a disadvantaged background.

Admission to the Hostel

The College runs a small Hostel on campus for male students of the Senior College only, at which preference is given first to First Year students of the Basic and Natural Sciences, and then to First and Third Year students of any discipline. Students will be expected to find their own accommodation in their Second Year and all help will be rendered to students to apply to other hostels and to find paying-guest accommodation in the neighbourhood. The rooms in our Hostel are all meant for two occupants each. Admission is not guaranteed and the Hostel Superintendent will accept applications only after admission to the College has been secured.

Students from outside Mumbai also find accommodation in other Hostels or as paying guests with some family. Requests are also made to Regina Pacis Hostel in Byculla, to accommodate about 30 women students of the College. Our academic year is from June to April.

The Address of the College is:

The Principal, St. Xavier's College-Autonomous,
5, Mahapalika Marg,
Mumbai 400 001, India.

Phone: 91-22-22620661 or 22620665.,

Email: webadmin@xaviers.edu

On Campus we also have an **Institute of Management** and an **Institute of Communications**, which run Degree and Diploma Courses. Please contact them directly for information about their courses through the link entitled “**INSTITUTES**”, on the Homepage of our Website.

ADMISSION POLICY

SENIOR COLLEGE ADMISSIONS

FYBA

FYBSc.

Total No.of Seats: 360

360

Reservation of Seats: (As per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005.)

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50% of the seats from the balance 85% seats i.e. 43% seats.	43% : (On the balance seats of 85%) First preference to all In-house students. Vacant seats will be filled in by candidates applying from other colleges/boards in order of merit)
	General Category - 25% of the seats from the balance 85% seats i.e. 21% seats.	21% : (On the balance seats of 85%) First preference to all In-house students. Vacant seats will be filled in by candidates applying from other colleges/boards in order of merit)
	Reserved Category : (SC/ST/DT(A) / NT(B) /NT(C) /NT/(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%) First preference to all In-house students. Vacant seats will be filled in by candidates applying from other colleges/boards in order of merit)

FYBCom FYBMS FYBMM FYBSc.I.T.

Total No.of Seats: 240 60 60 60

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50%	43% : (On the balance seats of 85%)
	General Category - 25%	21% : (On the balance seats of 85%)
	Reserved Category : (SC/ST/DT(A) / NT(B) /NT(C) /NT/(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%)

** Special category i.e. for Wards of transferred State/Central Government and Private Sector employees, Defence Personnel, Ex-Servicemen, Freedom fighters and students who have met with an accident and also for award winners at the District/State/National Level in Sports or Cultural activities.

ADMISSION POLICY

The College has an **ONLINE application system** for the First Year Senior College Admissions i.e. F.Y.B.A./B.Sc./BMS/BMM/B.Sc.(I.T.), B.Voc. Courses in Tourism & Software Development and for the First Year Masters Courses including the M.Sc in Botany, Biotechnology, Geology, the Life Sciences and Microbiology, and the MA in Ancient Indian Culture and in Public Policy. You are welcome to apply **ONLINE** through a facility on our College website.

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” on the following link <http://mum.digitaluniversity.ac>.

Eligibility Certificate:

Students passing the Class XII from Boards/Universities other than Maharashtra State Board and seeking admissions to First Year B.A/B.Sc./B.Com./BMS/BMM, B.Sc.(I.T.) & B.Voc. Courses in Tourism & Software Development are required to apply for a **Provisional Eligibility Certificate** through the College at the time of admission. The application form, available at the College Office, duly filled in should be submitted with an attested copy of the Std. XII marksheet and a passport size photograph along with the prescribed fees of Rs.320/- (& Rs.500/- for verification of documents) to the College Office. Once admission is granted, for confirmation of the eligibility, students should submit to the College Office, before the close of the First Semester, the Statement of Marks, the Passing Certificate and the Migration Certificate all in originals. At the time of admission the student shall submit the following documents in original along with duly attested photocopies.

1. H.S.C. Marksheet
2. Baptism Certificate (For the Minority community - Catholics)
3. Caste Certificate (if applicable)
4. Documentary Evidence regarding special category status:
 - * For wards of Transferred State/Central Govt. and Pvt. Sector employees, employees of Defence Dept./ex-servicemen, wards of Freedom Fighters, physically handicapped candidates, and students who have met with accidents.
 - * Award Winners at the District/State/National Level in Sports or cultural activities.

FEEES

FEEES FOR SENIOR COLLEGE:

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier's College - Autonomous:

F.Y.B.A. (Without Statistics)	: Rs.4,875/-	(approx)
F.Y.B.A. (With Statistics)	: Rs.5,675/-	“
F.Y.B.Sc.	: Rs.6,400/-	“
S.Y.B.A. (Without Statistics)	: Rs.4,255/-	“
S.Y.B.A. (With Statistics)	: Rs.5,055/-	“
S.Y.B.Sc.	: Rs.5,433/-	“
T.Y.B.A. (Without Statistics)	: Rs.5,445/-	“
T.Y.B.A. (With Statistics/Psychology)	: Rs.6,245/-	“
T.Y.B.Sc.	: Rs.6,410/-	“
T.Y.B.Sc. (With Computer Prog/Sc.)	: Rs.7,260/-	“
F.Y.B.Com.	: Rs.4,875/-	“
S.Y.B.Com.	: Rs.4,255/-	“
T.Y.B.Com.	: Rs.5,445/-	“

Note: Students offering Statistics / Psychology in the Arts Faculty will be required to pay an additional fee.

FEE CONCESSION FOR BC STUDENTS:

Under the Govt. of India Scholarship or Govt. of Maharashtra Freeship scheme for BC students (students belonging to SC/ST/DT/NT/OBC), certain Scholarships/Freeships are provided if domiciled in Maharashtra. However, students from the Nomadic Tribe (C) and (D) and OBC categories will have to submit Non-Creamy-Layer certificates for such fee concessions.

Candidates with necessary documents who qualify for this Scholarship / Freeship are required to pay only nominal fees of Rs.445/- for admission. They are exempted from other fees.

Income Condition:

SC candidates with a family annual income of less than Rs.2,00,000/- are eligible for a Scholarship and those having more than Rs.2,00,000/- are entitled to Freeship from certain fees. For students coming from VJ/SBC/OBC the income ceiling is upto Rs.1,00,000/- per annum for availing the above scholarship benefit. However, those students from the Nomadic Tribe (C) & (D) and OBC categories, with a Non-Creamy-Layer Certificate will be eligible for freeships.

COURSE CONTENT

BACHELOR IN ARTS

A student for the B.A. degree examination will be required to offer 40 courses, and the break-up of these courses will be as under:

- | | |
|---|----------------|
| I. 3 Core Subjects (Including FOUR courses of an Applied nature related to the Core Subjects) | ... 34 Courses |
| II. Special Course Group | ... 4 Courses |
| III. General Applied Component | ... 2 Courses |

FIRST YEAR

- Special Course - two courses
- Communication Skills in English
- Language (other than English): Literature in a Modern Indian Language or a Classical or a Modern Foreign Language.
- (i) A student may offer six courses from the Social Science Group, or
- (ii) A student may offer four courses from the Social Sciences Group and two from the Languages Group, or
- (iii) A student may offer two courses from the Social Science Group and four courses from the Language Groups.

Change of subjects in Senior College will be allowed till 15th July subject to availability of seats. However, subjects, either compulsory or optional, which do not have the minimum enrolment required by Government / University, will not be offered.

Students are expected to choose any three subjects (one from each Group), in order of preference, **for the first two years.**

The choice of major/s will be decided only at the beginning of the Third Year B.A., when Heads of Departments will interview the students after reviewing their performance in their First and Second Year Assessments. The College will not be responsible if students are not granted the choice of their major(s) in their Third Year B.A., nor if students have to leave the College because their performance does not satisfy the minimum requirements laid down by Heads of Departments to which they seek admission.

COURSE CONTENT

Optional Subjects: Choose any one from each of the 3 groups

Group A

- * POLITICAL SCIENCE
- * ECONOMICS (A)
- * PSYCHOLOGY
- * SOCIOLOGY (B)

Group B

- * ANCIENT INDIAN CULTURE
- * ENGLISH
- * SOCIOLOGY (A)
- ** COMMERCE

Group C

- * HISTORY
- * ECONOMICS (B)
- ** STATISTICS
- ** ANTHROPOLOGY
- *** FRENCH
- *** HINDI

(Subjects which do not have the minimum enrolment required by Govt./University will not be offered)

* Single or Double Majors at Third Year (12 courses or 6 courses in each)

** Only Double Majors at Third Year (6 courses in each)

*** No Majors at Third Year (Only 2 courses at FY & 4 courses at SY)

Economics (A) or (B) and Sociology (A) or (B) only represent divisions in that subject, in the First & Second Year, and can be selected in only one group.

SEMESTER – I F.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.SPC.1.01	Special Course: Environmental Studies	3	3
A.EES.1.01	Critical Reading Thinking & Writing: Prose	3+1	3
A.HIC.1.01	Hindi Language Skills	4	3
A.FRC.1.01	French Compulsory Basic	4	3
A.ECO.1.01	Microeconomics - Demand And Production Theories	4	4
A.POL.1.01	Introduction to Politics	4	4
A.PSY.1.01	Introduction To Psychology I	4	4
A.SOC.1.01	Introduction To Sociology Basic Concepts And Perspectives	4	4
A.AIC.1.01	Cultural History And Archaeology Of Ancient India From Early Times Uptil c. A.D 320	4	4
A.ENG.1.01	The Elements of Fiction	4	4
A.COM.1.01	Organisation of Commerce & Industry	4	4
A.HIS.1.01	World History from the Renaissance to c. 1870	4	4
A.STA.1.01	Descriptive Statistics (A)	3	3
A.STA.1.PR	Statistics Practicals	3	1
A.ANT.1.01	Introduction To Anthropology (Part A)	4	4
A.FRA.1.01	Introduction To Poetry of Jacques Prevert	4	4
A.HIA.1.01	Introduction To Hindi Literature (Short Stories)	4	4

COURSE CONTENT

SEMESTER – II F.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.SPC.2.01	Special Course: Giving Voice to Values	3	3
A.EES.2.01	Critical Reading, Thinking And Writing: Literature	3+1	3
A.HIC.2.01	Critical Reading And Thinking	4	3
A.FRC.2.01	French Compulsory Advanced	4	3
A.ECO.2.01	Microeconomics - Pricing Theories	4	4
A.POL.2.01	Political Theory	4	4
A.PSY.2.01	Introduction To Psychology II	4	4
A.SOC.2.01	Introduction To Sociology Institutions And Structures	4	4
A.AIC.2.01	Elements Of Archaeology In India	4	4
A.ENG.2.01	The Elements of Drama	4	4
A.COM.2.01	Forms of Business Organisations	4	4
A.HIS.2.01	World History from the Industrial Revolution to World War II	4	4
A.STA.2.01	Descriptive Statistics (B)	4	3
A.STA.2.PR	Statistics Practicals	3	1
A.ANT.2.01	Introduction To Anthropology (Part B)	4	4
A.FRA.2.01	Introduction To Short Story	4	4
A.HIA.2.01	Introduction To Hindi Literature (Novels)	4	4

SEMESTER – III S.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.AC.3.01	<u>Applied Components:</u> Elementary Quantitative Techniques - I General Introduction to Law Introduction to Market Research –Concepts & Approaches - I Leisure Studies - I Media Studies & Cinema Psychology of Adjustment Psychology of Gender Investment Analysis – I Book-keeping & Accountancy – I	4	3
	A.SPC.3.01	Special Course : Human Rights	3
A.ECO.3.01	Macro Economics – I	3	3
A.ECO.3.02	Indian Economy – I	3	3
A.POL.3.01	Indian Constitution-Theory And Practice	3	3
A.POL.3.02	Intro. to Public Administration	3	3
A.PSY.3.01	Social Psychology	3	3
A.PSY.3.02	Developmental Psychology	3	3
A.SOC.3.01	Sociology: Classical Theories	3	3
A.SOC.3.02	Indian Sociology	3	3
A.ANT.3.01	Ethnography: Themes And Issues I	3	3
A.ANT.3.02	Anthropology Of Religion	3	3

COURSE CONTENT

A.AIC.3.01	Cultural History And Archaeology of India in Ancient Deccan & Early Medieval Period	3	3
A.AIC.3.02	Elements of Museology in Ancient India	3	3
A.ENG.3.01	The Elements of Poetry	3	3
A.ENG.3.02	Indian Writing in English: 1850-1980	3	3
A.COM.3.01	Principles of Management – I	3	3
A.COM.3.02	Financial Management – I	3	3
A.MAT.3.01	Calculus and Analysis – I	3+1	3
A.MAT.3.02	Linear Algebra – I	3+1	3
A.HIS.3.01	An Outline History of Early India (Part I 3500 BCE-200 BCE)	3	3
A.HIS.3.02	History of China and Japan (1900-1960)	3	3
A.STA.3.01	Statistical Methods (A)	3	2
A.STA.3.02	Operations Research	3	2
A.STA.3.PR	Statistics Practicals	6	2
A.FRA.3.01	Introduction to 17th Century Theatre	3	3
A.FRA.3.02	Translation, Essay, Precis Writing	3	3
A.HIA.3.01	Introduction To Hindi Literature (Plays)	3	3
A.HIA.3.02	Mass Media And Communication (Radio And Advertising)	3	3

SEMESTER – IV S.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.AC.4.01	<u>Applied Components:</u> Elementary Quantitative Techniques - II Basics of Indian Laws Introduction to Market Research – Concepts & Approaches - II Leisure Studies - II Media Studies & Cinema Psychology of Adjustment Psychology of Gender Investment Analysis – II Book-keeping & Accountancy – II	4	3
A.SPC.4.01	<u>Cross Faculty Course:</u>		
GA	Garden Art (Botany)	3	3
NR	Nutrition and Reproductive Health (Life Science)	3	3
ID	Infectious Diseases : Staying Ahead (Microbiology)	3	3
PI	Astronomy, Physics and its impact on the World (Physics)	3	3
DS	Descriptive Statistics (Stats)	3	3
WB	Web Designing (IT)	3	3
SLA	Secret lives of Animals (Zoology)	3	3
CIC	Chemistry in Context: Applying chemistry to society (Chemistry)	3	3
A.ECO.4.01	Macro Economics – II	3	3
A.ECO.4.02	Indian Economy – II	3	3
A.POL.4.01	Indian Government & Politics	3	3
A.POL.4.02	Public Administration in India	3	3

COURSE CONTENT

A.PSY.4.01	Social Psychology	3	3
A.PSY.4.02	Developmental Psychology	3	3
A.SOC.4.01	Sociology: Themes & Issues I	3	3
A.SOC.4.02	Sociology: Themes & Issues II	3	3
A.ANT.4.01	Ethnography: Themes And Issues II	3	3
A.ANT.4.02	Cultural Studies	3	3
A.AIC.4.01	Social Organization in Ancient India	3	3
A.AIC.4.02	Development Of Heritage Management & Tourism In India	3	3
A.ENG.4.01	American Literature	3	3
A.ENG.4.02	Indian Writing in English 1980 to the Present	3	3
A.COM.4.01	Principles of Management II	3	3
A.COM.4.02	Financial Management II	3	3
A.MAT.4.01	Calculus and Analysis II	3+1	3
A.MAT.4.02	Linear Algebra II	3+1	3
A.HIS.4.01	An Outline History of Early India (Part II 200 BCE-1200 CE)	3	3
A.HIS.4.02	Contemporary Issues in Indian Society and Politics	3	3
A.STA.4.01	Statistical Methods (B)	3	2
A.STA.4.02	Data Analysis	3	2
A.STA.4.PR	Statistics Practicals	6	2
A.FRA.4.01	Introduction To 20 th Century Theater And Franco phonic Literature	3	3
A.FRA.4.02	Introduction To French Painting	3	3
A.HIA.4.01	Introduction To Hindi Literature (Poetry)	3	3
A.HIA.4.02	Mass Media And Communication (Television And Film)	3	3

SEMESTER – V T.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.AIC.5.01	Political Institutions in Ancient India	4	5
A.AIC.5.02	Evolution of Art & Architecture of Early India Part I	4	5
A.AIC.5.03	Study of Protection, Conservation & Preservation of Indian Monuments	3	4
A.AIC.5.04	A Study of Culture, History of World Civilization	4	5
A.AIC.5.05	Brief Survey of Religio-Philosophical Traditions in India- Part I	4	5
A.AIC.5.06	Brief Survey of Ancient Indian Literary Tradition	3	4
A.ANT.5.01	Anthropology: Perspectives, Theories & Frameworks I	4	5
A.ANT.5.02	The Anthropology of Development I Option with Sociology 5.08	4	5
A.ANT.5.03	Applied Anthropology I (Applied Comp.)	3	4
A.COM.5.01	Principles of Management – I	4	5
A.COM.5.02	Organizational Behaviour	3	4
A.COM.5.03	Entrepreneurship and Management of Small and Medium Enterprises	4	5
A.ECO.5.01	Advanced Microeconomics	4	5

COURSE CONTENT

A.ECO.5.02	Principles of Microeconomics	4	5
A.ECO.5.03	Growth & Development: Theoretical Analysis	3	4
A.ECO.5.04	Approaches to Growth & Development	3	4
A.ECO.5.05	Evolution of Economic Thought	4	5
A.ECO.5.06	International Economics: Theory & Policy	4	5
A.ECO.5.07	Statistical Techniques for Economics	4	5
A.ECO.5.08	Econometrics (I)	4	5
A.ECO.5.09	Corporate Finance – I A.C.	3	4
A.ECO.5.10	Indian Financial Systems And Institutions	3	4
A.ENG.5.01	Fiction from Richardson to Hardy	4	5
A.ENG.5.02	Modernism and 20C English Poetry	4	5
A.ENG.5.03	Introduction to Visual Culture	3	4
A.ENG.5.04	English Poetry (1550-1750)	4	5
A.ENG.5.05	Literary Theory & Criticism	4	5
A.ENG.5.06	Narratives of Conflict : Ideology & Resolution	3	4
A.HIS.5.01	History of India (c. 1200-1707): Political & administrative history	4	5
A.HIS.5.02	History of Modern India (1750-1950)	4	5
A.HIS.5.03	Intro. to Museum Studies: History Management & Philosophy of Museums	3	4
A.HIS.5.04	History of the Marathas (Part I 1600-1707)	4	5
A.HIS.5.05	World History (1945-2000 Part I)	4	5
A.HIS.5.06	Introduction to Cinema in 20 th Century Mumbai	3	4
A.POL.5.01	Political Process in Maharashtra – Historical Background	4	5
A.POL.5.02	Western Political Thinkers	4	5
A.POL.5.03	Issues in Indian Polity	3	4
A.POL.5.04	American Political System- Constitutional Framework	4	5
A.POL.5.05	International Politics Major Developments	4	5
A.POL.5.06	Major Issues in Contemporary Politics- International Economic Issues	3	4
A.PSY.5.01	Psychometrics & Statistics	4	5
A.PSY.5.02	Abnormal Psychology	4	5
A.PSY.5.03	Industrial - Organizational Psychology	3	4
A.PSY.5.04	Cognitive Psychology	4	5
A.PSY.5.05	Psychology Practicals	6	5
A.PSY.5.06	Counseling Psychology	3	4
A.SOC.5.01	Modern Sociological Theories I	4	5
A.SOC.5.02	Sociology of Work & Management I OR	4	5
A.SOC.5.03	Popular Culture	4	5
A.SOC.5.04	Gender Studies I (Applied Comp.) OR	3	4
A.SOC.5.05	Media, Culture & Society I (Applied Comp.)	3	4
A.SOC.5.06	Sociology of Human Resource Development I OR	4	5
A.SOC.5.07	Urban Sociology	4	5

COURSE CONTENT

A.SOC.5.08	Socio-Cultural Movements Option with Anthropology 5.02 OR	4	5
A.SOC.5.09	Research Methods in Sociology I (Applied Comp)	3	4
A.STA.5.01	Probability & Sampling Distribution (A)	3	3
A.STA.5.02	Sampling Techniques	3	3
A.STA.5.03	Applied Statistics (A)	3	3
A.STA.5.PR	Statistics Practicals	9	5

SEMESTER – VI T.Y.B.A.

Course Code	Course Title	Lectures Per Week	Credits
A.AIC.6.01	Economic Institutions in Ancient India	4	5
A.AIC.6.02	Evolution of Art & Architecture of India Part II	4	5
A.AIC.6.03	Intro of Ethno-Archaeology & Ethno Zoo-Archaeology in India	3	4
A.AIC.6.04	Study of Protection, Conservation & Preservation of Antiquities	4	5
A.AIC.6.05	Brief Survey of Religio-Philosophical Thoughts in India- Part II	4	5
A.AIC.6.06	Brief Survey of Science & Technology in Ancient India	3	4
A.ANT.6.01	Anthropology: Perspectives, Theories & Frameworks II	4	5
A.ANT.6.02	The Anthropology of Development II OR Option with Sociology 6.08	4	5
A.ANT.6.03	Applied Anthropology II (Applied Comp.)	3	4
A.COM.6.01	Principles of Management – II	4	5
A.COM.6.02	Human Resource Management	3	4
A.COM.6.03	Indian Capital Market	4	5
A.ECO.6.01	Advanced Macroeconomics	4	5
A.ECO.6.02	Macroeconomics: Theory And Practice	4	5
A.ECO.6.03	Economic Development: Policy & Applications (1)	3	4
A.ECO.6.04	Economic Development: Policy & Applications (2)		
A.ECO.6.05	An Introduction to Political Economy	4	5
A.ECO.6.06	International Finance: Theory & Policy	4	5
A.ECO.6.07	Mathematical Techniques for Economics	4	5
A.ECO.6.08	Econometrics (II)	4	5
A.ECO.6.09	Corporate Finance – II	3	4
A.ECO.6.10	Indian Financial Markets		
A.ENG.6.01	English Poetry 1750 – 1900	4	5
A.ENG.6.02	Twentieth Century Fiction & Drama	4	5
A.ENG.6.03	Tales of the City	3	4
A.ENG.6.04	English Drama from Marlowe to Sheridan	4	5
A.ENG.6.05	Approaches to Popular Culture	4	5
A.ENG.6.06	Literature & the Self in Modernist European Writing	3	4
A.HIS.6.01	A History of India(1200-1707) : Social, economic and cultural aspects	4	5

COURSE CONTENT

A.HIS.6.02	A History of India after Independence (1947-1984)	4	5
A.HIS.6.03	Urban Heritage of Mumbai.	3	4
A.HIS.6.04	History of the Marathas II (1708-1818)	4	5
A.HIS.6.05	World History : 1945 – 2000 (Part II)	4	5
A.HIS.6.06	Introduction to Travel and Tourism in India.	3	4
A.POL.6.01	Political Process in Maharashtra- Contemporary Issues	4	5
A.POL.6.02	Political Thinkers – Indian	4	5
A.POL.6.03	Issues in Indian Polity-Rights of Citizens of India	3	4
A.POL.6.04	American Government & Politics	4	5
A.POL.6.05	International Politics Major Issues	4	5
A.POL.6.06	Major Issues in Contemporary Politics- International Social Issues	3	4
A.PSY.6.01	Psychometrics & Statistics	4	5
A.PSY.6.02	Abnormal Psychology	4	5
A.PSY.6.03	Industrial - Organizational Psychology	3	4
A.PSY.6.04	Cognitive Psychology	4	5
A.PSY.6.05	Psychology Practicals	6	5
A.PSY.6.06	Counseling Psychology	3	4
A.SOC.6.01	Modern Sociological Theory II (Option with Sociology 6.07)	4	5
A.SOC.6.02	Sociology of Work & Management II OR	4	5
A.SOC.6.03	Sociology of Food	4	5
A.SOC.6.04	Gender Studies II (Applied Comp.)	3	4
A.SOC.6.05	Media, Culture & Society II (Applied Comp.)	3	4
A.SOC.6.06	Sociology of Human Resource Development-II	4	5
A.SOC.6.07	Sociology of the Life Course	4	5
A.SOC.6.08	Subaltern Studies (Option with Anthropology 6.02) OR	4	5
A.SOC.6.09	Research Methods in Sociology II (Applied Comp)	3	4
A.STA.6.01	Probability & Sampling Distributions (B)	3	3
A.STA.6.02	Analysis of Variance & Design of Experiments	3	3
A.STA.6.03	Applied Statistics (B)	3	3
A.STA.6.PR	Statistics Practicals	9	5

COURSE CONTENT

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

F.Y.B.A. PER SEMESTER							
Sub	CSK	Lang	Special Sub	Sub 1	Sub 2	Sub3	Total
Lectures per week	3 + 1	4	3	4	4	4	23
Credits	3	3	3	4	4	4	21

S.Y.B.A. PER SEMESTER									
Sub	AC	Special Subject	Sub 1 Course 1	Sub 1 Course 2	Sub 2 Course 1	Sub 2 Course 2	Sub 3 Course 1	Sub 3 Course 2	Total
Lectures per week	4	3	3	3	3	3	3	3	25
Credits	3	3	3	3	3	3	3	3	24

T.Y.B.A. PER SEMESTER							
Sub	Course 1	Course 2	Course 3	Course 4	AC 1	AC 2	Total
Lectures per week	4	4	4	4	3	3	22
Credits	5	5	5	5	4	4	28

Applied Components for SYBA

1. Leisure Studies
2. Media Studies & Cinema
3. Elementary Quantitative Techniques
4. Psychology of Adjustment
5. General Introduction to Law
6. Introduction to Market Research, Concepts & Approaches
7. Psychology of Gender
8. Direct & Indirect Taxes in India

COURSE CONTENT

BACHELOR IN SCIENCE

FIRST YEAR

A student shall offer any one of the course combinations available to the FYBSc, with three Subjects and two Special Courses.

Change of subjects will be allowed till the 15th of July, subject to availability of seats.

The choice of major/s will be decided at the beginning of SYBSc. & T.Y.B.Sc., when Heads of Departments will interview the students after reviewing the attendance and performance in their First and Second Year Semester examinations. The College will not be responsible if students are not granted the choice of their major(s) in their Second and Third Year B.Sc., nor if students have to leave the College because their performance does not satisfy the minimum requirements laid down by Heads of Departments to which they seek admission.

FYBSc

1. Life Sc/Chem/Phy
2. Life Sc/Chem/Geo
3. Life Sc/Chem/Bot
4. Micro/Chem/Phy
5. Micro/Chem/Zoo
6. Bot/Chem/Zoo
7. Chem/Phy/Maths
8. Geo/Chem/Phy
9. Geo/Phy/Maths
10. Maths/Phy/Stats
11. Maths/Stats/Eco

SYBSc

1. Life Sc/Chem or Chem/Phy
2. Life Sc/Chem or Geo/Chem
3. Life Sc/Chem or Bot/ Chem
4. Micro/Chem or Chem/Phy
5. Micro/Chem or Zoo/ Chem
6. Bot/Chem or Zoo/Chem or Zoo/Bot
7. Chem/Phy or Phy/Maths
8. Geo/Chem or Chem/Phy or Geo/Phy
9. Geo/Phy or Phy/Maths
10. Phy/ Maths or Maths/Stats
11. Maths/Stats

N.B.

1. Only students who have Biology as a subject at HSC may opt for combinations 1 to 6.
2. Subject combinations at SYBSc & TYBSc are dependent on the students' performance and availability of seats.
 - a. The subjects currently offered at the TYBSc are:
Single majors: Physics, Chemistry, Maths, Statistics, Life Sciences and Geology.
 - b. Double majors: Botany, Biochemistry, Life Sciences, Microbiology & Zoology, provided the subject has been offered at the SYBSc level.
 - c. **Economics is not available in the second and third years.**

COURSE CONTENT

SEMESTER – I F.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.SPC.1.01	Special Course: Environmental Studies	3	3
S.PHY.1.01	Mechanics, Sound & Optics	3	2
S.PHY.1.02	Electrical Technology	3	2
S.PHY.1.PR	Physics Practicals	6	2
S.CHE.1.01	Concepts of Physical and Analytical Chemistry I	3	2
S.CHE.1.02	Fundamentals of Inorganic & Organic Chemistry I	3	2
S.CHE.1.PR	Chemistry Practicals	6	2
S.MAT.1.01	Calculus And Analytic Geometry I	3+1	3
S.MAT.1.02	Discrete Mathematics I	3+1	3
S.STA.1.01	Descriptive Statistics (A)	3	2
S.STA.1.02	Statistical Methods (A)	3	2
S.STA.1.PR	Statistics Practicals	6	2
S.BOT.1.01	Plant Diversity – I	3	2
S.BOT.1.02	Angiosperms-I	3	2
S.BOT.1.PR	Botany Practicals – I	6	2
S.ZOO.1.01	Invertebrate Systematics And Biomolecules	3	2
S.ZOO.1.02	Genetics And Evolution	3	2
S.ZOO.1.PR	Zoology Practicals	6	2
S.LSC.1.01	Fundamentals of Biochemistry	3	2
S.LSC.1.02	Genetics And Evolution	3	2
S.LSC.1.PR	Life Science Practicals	6	2
S.MIC.1.01	Microbial Cell Structure & Function	3	2
S.MIC.1.02	Elements Of Microbial Nutrition, Growth & Control	3	2
S.MIC.1.PR	Microbiology Practicals – I	6	2
S.GEO.1.01	Introduction to Mineralogy, Crystallography & Stratigraphy	3	2
S.GEO.1.02	Introduction to Earth System, Cartography & Structural Geology	3	2
S.GEO.1.PR	Geology Practicals	6	2
S.ECO.1.01	Micro Economics – I	4	3
S.ECO.1.02	Macro Economics – I	4	3

SEMESTER – II F.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.SPC.2.01	Special Course: Giving Voice to Values	3	3
S.PHY.2.01	Heat and Thermodynamics	3	2
S.PHY.2.02	Motion of Charges & Basic Engineering Electronics	3	2
S.PHY.2.PR	Physics Practicals	6	2
S.CHE.2.01	Concepts of Physical & Analytical Chemistry II	3	2
S.CHE.2.02	Fundamentals of Inorganic & Organic Chem. II	3	2
S.CHE.2.PR	Chemistry Practicals	6	2
S.MAT.2.01	Calculus And Analytic Geometry II	3+1	3
S.MAT.2.02	Discrete Mathematics II	3+1	3

COURSE CONTENT

S.STA.2.01	Descriptive Statistics (B)	3	2
S.STA.2.02	Statistical Methods (B)	3	2
S.STA.2.PR	Statistics Practicals	6	2
S.BOT.2.01	Plant Physiology And Biochemistry-I	3	2
S.BOT.2.02	Cytology, Genetics And Ecology	3	2
S.BOT.2.PR	Botany Practicals – II	6	2
S.ZOO.2.01	Vertebrate Systematics And Ecology	3	2
S.ZOO.2.02	Biotechniques And Comparative Physiology	3	2
S.ZOO.2.PR	Zoology Practicals	6	2
S.LSC.2.01	Cell Biology	3	2
S.LSC.2.02	Fundamentals Of Microbiology	3	2
S.LSC.2.PR	Life Science Practicals	6	2
S.MIC.2.01	Microbial Diversity, Taxonomy & Significance	3	2
S.MIC.2.02	Basics of Metabolism & Genetics	3	2
S.MIC.2.PR	Microbiology Practicals – II	6	2
S.GEO.2.01	Intro: Petrology, Geotectonics & Economic Geology	3	2
S.GEO.2.02	Intro: Physical Geology & Plaontology	3	2
S.GEO.2.PR	Geology Practicals	6	2
S.ECO.2.01	Micro Economics – II	4	3
S.ECO.2.02	Macro Economics – II	4	3

SEMESTER – III S.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.SPC.3.01	Special Course: Human Rights	3	3
S.SCS.3.01	Scientific Communication Skills	1	1
S.PHY.3.01	Physical And Quantum optics	3	2
S.PHY.3.02	Relativity, Astronomy and Cosmology	3	2
S.PHY.3.03	Electronics	3	2
S.PHY.3.PR	Physics Practicals	9	3
S.CHE.3.01	Physical And Analytical Chemistry – I	3	2
S.CHE.3.02	Inorganic And Industrial Chemistry - I	3	2
S.CHE.3.03	Organic And Industrial Chemistry - I	3	2
S.CHE.3.PR	Chemistry Practicals	9	3
S.MAT.3.01	Calculus and Analysis – I	3+1	3
S.MAT.3.02	Linear Algebra – I	3+1	3
S.MAT.3.03	Computational Mathematics – I	3	2
S.MAT.3.PR	Mathematics Practicals	3	1
S.STA.3.01	Probability & Sampling Distributions (A)	3	2
S.STA.3.02	Sampling Techniques	3	2
S.STA.3.03	Operations Research	3	2
S.STA.3.PR	Statistics Practicals	9	3
S.BOT.3.01	Plant Diversity II	3	2
S.BOT.3.02	Plant Physiology And Biochemistry-II	3	2
S.BOT.3.03	Anatomy, Embryology And Palynology	3	2
S.BOT.3.PR	Botany Practicals – III	9	3
S.ZOO.3.01	Ethology And Parasitology	3	2
S.ZOO.3.02	Biochemistry And Information Flow	3	2
S.ZOO.3.03	Advanced Genetics And Bioinformatics	3	2

COURSE CONTENT

S.ZOO.3.PR	Zoology Practicals	9	3
S.LSC.3.01	Comparative Physiology- I	3	2
S.LSC.3.02	Enzymes And Metabolic Pathways	3	2
S.LSC.3.03	Microbes & Human Health	3	2
S.LSC.3.PR	Life Science Practicals	9	3
S.MIC.3.01	Cell Biology, Microbial Virulence & Innate Immunity	3	2
S.MIC.3.02	Introduction To Microbial Metabolism And Biostatistics	3	2
S.MIC.3.03	Basics of Genetics & Bioinformatics	3	2
S.MIC.3.PR	Microbiology Practicals – III	9	3
S.GEO.3.01	Palaeontology And Stratigraphy	3	2
S.GEO.3.02	Crystallography	3	2
S.GEO.3.03	Geomorphology & Cartographic Analysis	3	2
S.GEO.3.PR	Geology Practicals	9	3

SEMESTER – IV S.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.SPC.4.01	<u>Cross Faculty Course:</u>		
IC	Indian Culture the philosophy within (Ancient Indian Culture)	3	3
IE	International Economics (Economics)	3	3
LR	Literature and Resistance (English)	3	3
GS	An Introduction to Gandhian Studies (History)	3	3
IC	Fundamentals of the Indian Constitution (Political Sc.)	3	3
SC	Science of Culture (Sociology & Anthropology)	3	3
STS	Science, Technology and Social Change : Some Issues and Challenges (Sociology & Anthropology)	3	3
NM	Representing the Nation through the News Media (BMM)	3	3
PM	Management Accounting and Investment portfolio management (BMS)	3	3
S.SCS.4.01	Scientific Communication Skills	1	1
S.PHY.4.01	Mechanics and Thermodynamics	3	2
S.PHY.4.02	Quantum Mechanics	3	2
S.PHY.4.03	Electricity and Magnetism	3	2
S.PHY.4.PR	Physics Practicals	9	3
S.CHE.4.01	Physical And Analytical Chemistry – II	3	2
S.CHE.4.02	Inorganic And Industrial Chemistry – II	3	2
S.CHE.4.03	Organic And Industrial Chemistry – II	3	2
S.CHE.4.PR	Chemistry Practicals	9	3
S.MAT.4.01	Calculus and Analysis – II	3+1	3
S.MAT.4.02	Linear Algebra – II	3+1	3
S.MAT.4.03	Computational Mathematics – II	3	2
S.MAT.4.PR	Mathematics Practicals	3	1
S.STA.4.01	Probability & Sampling Distributions (B)	3	2

COURSE CONTENT

S.STA.4.02	Analysis of Variance & Design of Experiments	3	2
S.STA.4.03	Industrial Statistics	3	2
S.STA.4.PR	Statistics Practicals	9	3
S.BOT.4.01	Plant Diversity III	3	2
S.BOT.4.02	Angiosperms – II	3	2
S.BOT.4.03	Medicinal Botany And Tools Of Analysis	3	2
S.BOT.4.PR	Botany Practicals – IV	9	3
S.ZOO.4.01	Developmental Biology And Evolution	3	2
S.ZOO.4.02	Cell Biology	3	2
S.ZOO.4.03	Commercial Zoology And Biostatistic	3	2
S.ZOO.4.PR	Zoology Practicals	9	3
S.LSC.4.01	Comparative Physiology- II	3	2
S.LSC.4.02	Molecular Biology	3	2
S.LSC.4.03	Biostatistics And Population Genetics	3	2
S.LSC.4.PR	Life Science Practicals	9	3
S.MIC.4.01	Virology and Immunology	3	2
S.MIC.4.02	Environmental Microbiology	3	2
S.MIC.4.03	Food Microbiology & Bioprocess Technology	3	2
S.MIC.4.PR	Microbiology Practicals – IV	9	3
S.GEO.4.01	Economic mineral deposits	3	2
S.GEO.4.02	Optical And Systematic Mineralogy	3	2
S.GEO.4.03	Field Geology & Hydrogeology	3	2
S.GEO.4.PR	Geology Practicals	9	3

SEMESTER – V T.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.BOT.5.01	Cytogenetics, Molecular Biology & Biotechnology	4	4
S.BOT.5.02	Plant Diversity IV – Angiosperms	4	4
S.BOT.5.PR	Botany Practicals – V	8	4
S.CHE.5.01	Spectroscopy, Molecular & Nuclear Dynamics	4	4
S.CHE.5.02	Chemical Bonding & Co-Ordination Chemistry	4	4
S.CHE.5.03	Stereochemistry & Natural Products	4	4
S.CHE.5.04	General Analytical Chemistry	4	4
S.CHE.5.PR	Chemistry Practicals	16	8
S.CHE.5.AC	Introduction to Neuroscience	2	4
S.CHE.5.AC.PR	Applied Component Practicals	4	2
S.GEO.5.01	Stratigraphy & Geology of India: Part I	4	4
S.GEO.5.02	Evolution & Classification of Igneous Rocks	4	4
S.GEO.5.03	Structural Geology	4	4
S.GEO.5.04	Remote Sensing & Image Processing	4	4
S.GEO.5.PR	Geology Practicals	16	8
S.GEO.5.AC	Essentials of Gemmology	2	4
S.GEO.5.AC.PR	Applied Component Practicals	4	2
S.LSC.5.01	Genetics	4	4
S.LSC.5.02	Developmental Biology	4	4
S.LSC.5.03	Industrial Biotechnology & Nanotechnology	4	4
S.LSC.5.04	Ecology & Biodiversity	4	4
S.LSC.5.PR	Life Science Practicals	16	8
S.BCH.5.01	Cells and Biomolecules	4	4

COURSE CONTENT

S.BCH.5.02	Nutrition & Metabolism Pathways	4	4
S.BCH.5.PR	Biochemistry Practicals	8	4
S.LSC.5.AC	Environment & Environmental Pollution	2	4
S.LSC.5.AC.PR	Applied Component Practicals	4	2
S.MAT.5.01	Real Analysis and Multivariable Calculus	3	4
S.MAT.5.02	Algebra – I	3	4
S.MAT.5.03	Topology of Metric Spaces	3	4
S.MAT.5.04	Numerical Methods	3	4
S.MAT.5.PR	Mathematics Practicals	12	8
S.MAT.5.AC	Computer Programming & System Analysis	2	4
S.MAT.5.AC.PR	Computer Programming Practicals	4	2
S.MIC.5.01	Industrial Biotechnology & Genetics	4	4
S.MIC.5.02	Medical Microbiology & Immunology I	4	4
S.MIC.5.PR	Microbiology Practicals – V	8	4
S.PHY.5.01	Classical Mechanics	4	4
S.PHY.5.02	Mathematical Physics	4	4
S.PHY.5.03	Electronics	4	4
S.PHY.5.04	Electrodynamics	4	4
S.PHY.5.PR	Physics Practicals	16	8
S.PHY.5.AC	Computer Science : Programming in C++	2	4
S.PHY.5.AC.PR	Computer Science Practicals	4	2
S.STA.5.01	Probability Theory	4	4
S.STA.5.02	Statistical Estimation	4	4
S.STA.5.03	Applied Statistics (IA)	4	4
S.STA.5.04	Applied Statistics (IIA)	4	4
S.STA.5.PR	Statistics Practicals	16	8
S.ZOO.5.01	Ontogeny of Vertebrates, Behavioural Ecology & Conversation Biology	4	4
S.ZOO.5.02	Physiological Adaptations	4	4
S.ZOO.5.PR	Zoology Practicals	8	4
S.ZOO.5.AC	Economic Entomology	2	4
S.ZOO.5.AC.PR	Entomology Practicals	4	2

COURSE CONTENT

SEMESTER – VI T.Y.B.Sc.

Course Code	Course Title	Lectures Per Week	Credits
S.BOT.6.01	Plant Physiology & Biochemistry III	4	4
S.BOT.6.02	Ecology and Environmental Botany	4	4
S.BOT.6.PR	Botany Practicals – VI	8	4
S.CHE.6.01	General Physical Chemistry	4	4
S.CHE.6.02	Solid State, Solution & Medicinal Chemistry	4	4
S.CHE.6.03	Spectometric Identification & Synthetic Chemistry	4	4
S.CHE.6.04	Instrumental Methods of Analysis	4	4
S.CHE.6.PR	Chemistry Practicals	16	8
S.CHE.6.AC	Drugs & Color Chemistry	2	4
S.CHE.6.AC.PR	Applied Component Practicals	4	2
S.GEO.6.01	Stratigraphy & Geology of India: Part II	4	4
S.GEO.6.02	Sedimentary & Metamorphic petrology	4	4
S.GEO.6.03	Engineering Geology	4	4
S.GEO.6.04	Photogrammetry, Aerial Photo Interpretation & GIS	4	4
S.GEO.6.PR	Geology Practicals	16	8
S.GEO.6.AC	Gemstone Identification	2	4
S.GEO.6.AC.PR	Applied Component Practicals	4	2
S.LSC.6.01	Immunology	4	4
S.LSC.6.02	Neurobiology	4	4
S.LSC.6.03	Recombinant DNA Technology & Bioinformatics	4	4
S.LSC.6.04	Sustainable Development & Carbon Management	4	4
S.LSC.6.PR	Life Science Practicals	16	8
S.LSC.6.PR.3	Life Science Practicals	8	4
S.BCH.6.01	Biophysical and Bioanalytical Chemistry	4	4
S.BCH.6.02	Metabolism, Clinical Biochemistry & Pharmacology	4	4
S.BCH.6.PR	Biochemistry Practicals	8	4
S.LSC.6.AC	Environment & Environmental Pollution	2	4
S.LSC.6.AC.PR	Environmental Science Practicals	4	2
S.MAT.6.01	Real Analysis & Multivariable Calculus	3	4
S.MAT.6.02	Algebra – II	3	4
S.MAT.6.03	Analysis	3	4
S.MAT.6.04	Complex Variables	3	4
S.MAT.6.PR	Mathematics Practicals	12	8
S.MAT.6.AC	Computer Programming & System Analysis	2	4
S.MAT.6.AC.PR	Computer Programming Practicals	4	2
S.MIC.6.01	Genetics, Molecular Biology & Bioinformatics	4	4
S.MIC.6.02	Medical Microbiology & Immunology-II	4	4
S.MIC.6.PR	Microbiology Practicals – VI	8	4
S.PHY.6.01	Statistical Physics	4	4
S.PHY.6.02	Atomic & Molecular Physics	4	4
S.PHY.6.03	Nuclear Physics	4	4

COURSE CONTENT

S.PHY.6.04	Solid State Physics	4	4
S.PHY.6.PR	Physics Practicals	16	8
S.PHY.6.AC	Microprocessors & Microcontroller	2	4
S.PHY.6.AC.PR	Computer Science Practicals	4	2
S.STA.6.01	Probability Distributions & Stochastic Processes	4	4
S.STA.6.02	Statistical Inference	4	4
S.STA.6.03	Applied Statistics (IB)	4	4
S.STA.6.04	Applied Statistics (IIB)	4	4
S.STA.6.PR	Statistics Practicals	16	8
S.ZOO.6.01	Basics of Enzymes, Toxicology and Histology	4	4
S.ZOO.6.02	Immunology & Recombinant DNA Technology	4	4
S.ZOO.6.PR	Zoology Practicals	8	4
S.ZOO.6.AC	Economic Entomology – II	2	4
S.ZOO.6.AC.PR	Entomology Practicals	4	2

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

F.Y.B.Sc. PER SEMESTER								
Sub	Sub1 Courses 1&2 Theory	Sub1 Courses 1&2 Pracs	Sub2 Courses 1&2 Theory	Sub2 Courses 1&2 Pracs	Sub3 Courses 1&2 Theory	Sub3 Courses 1&2 Pracs	Special Subject	Total
Lectures per week	6	6	6	6	6	6	3	39
Credits	4	2	4	2	4	2	3	21

S.Y.B.Sc. PER SEMESTER							
Sub	Sub1 Course 1,2,3 Theory	Sub1 Course 1,2,3 Pracs	Sub2 Course 1,2,3 Theory	Sub2 Course 1,2,3 Pracs	Special Subject	Scientific Comm. Skills	Total
Lectures per week	9	9	9	9	3	1	42
Credits	6	3	6	3	3	1	22

COURSE CONTENT

T.Y.B.Sc. PER SEMESTER					
Sub	Sub Course 1,2,3,4 Theory	Sub Course 1,2,3,4 Pracs	AC Course 1,2 Theory	AC Course 1,2 Pracs	Total
Lectures per week	16	16	4	4	40
Credits	16	8	4	2	30

Applied Components for TYBSc:

1. Computer Programming
2. Neuroscience
3. Drugs & Color Chemistry
4. Electronic Instrumentation
5. Environmental Science
6. Gemmology
7. Entomology

COURSE CONTENT

BACHELOR IN COMMERCE

SEMESTER – I F.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.SPC.1.01	Special Course: Environmental Studies	3	3
C.COM.1.01	Fundamentals of Financial Accounting I	4	3
C. COM.1.02	Business Economics I	3	3
C. COM.1.03	Business Mathematics & Statistics I	5+1	3
C. COM.1.04	Business Management	3	3
C. COM.1.05	Communication Skills in English	4+1	3
C. COM.1.06	Business Environment	3	3

SEMESTER – II F.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.SPC.2.01	Special Course: Giving Voice to Values	3	3
C.COM.2.01	Fundamentals of Financial Accounting II	4	3
C. COM.2.02	Business Economics II	3	3
C. COM.2.03	Business Mathematics & Statistics II	5+1	3
C. COM.2.04	Marketing Management	3	3
C. COM.2.05	Business Communication	4+1	3
C. COM.2.06	Entrepreneurship	3	3

COURSE CONTENT

SEMESTER – III S.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.SPC.3.01	Special Course: Human Rights	3	3
C.COM.3.01	Financial Accounting I	5	4
C. COM.3.02	Business Economics III	3	3
C. COM.3.03	Commercial Laws I	4	3
C. COM.3.04	Business Finance & Capital Market	3	3
C. COM.3.05	Regulatory Aspect of Banking & Finance I	3	3
C. COM.3.06	Mass Communication (Theory & Practice) OR Advertising	3	3

SEMESTER – IV S.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.SPC.4.01	Special Course: Science & Technology	3	3
C. COM.4.01	Financial Accounting II	5	4
C. COM.4.02	Indian Economy	3	3
C. COM.4.03	Commercial Laws II	4	3
C. COM.4.04	Industrial Relations	3	3
C. COM.4.05	Regulatory Aspect of Banking & Finance II	3	3
C. COM.4.06	Mass Communication (Media Studies) / Retail Management	3	3

COURSE CONTENT

SEMESTER – V T.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.COM.5.01	Basic Corporate Accounts	5	6
C.COM.5.02	Basics & Fundamentals of Costing & Auditing	4	5
C. COM.5.03	Fundamentals of Corporate Finance I	3	5
C. COM.5.04	Public Finance & International Economics	3	4
C. COM.5.05	Principles of Human Resource Management	3	3
C. COM.5.06	Applied Component: Foreign Trade Management & Documentation	3	3
C. COM.5.07	Direct Tax – Income Tax	3	4

SEMESTER – VI T.Y.B.Com.

Course Code	Course Title	Lectures Per Week	Credits
C.COM.6.01	Advanced Corporate Accounts	5	6
C. COM.6.02	Advanced Auditing & Costing Accounting	4	5
C. COM.6.03	Fundamentals of Corporate Finance II	3	5
C. COM.6.04	Econometrics - International Business	3	4
C. COM.6.05	Strategic Human Resource Management	3	3
C. COM.6.06	<u>Applied Component:</u> Corporate Secretarial Management & Governance	3	3
C.COM.6.07	Indirect Tax (MVAT & Service Tax)	3	4

COURSE CONTENT

SEMESTER AND CREDIT SYSTEM UNDER AUTONOMY

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

BACHELOR OF COMMERCE

F.Y.B.Com. PER SEMESTER								
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Total
Lectures per week	3	4	3	4+4	4	3+3	3	24
Credits	3	3	3	3	3	3	3	21

S.Y.B.Com. PER SEMESTER								
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Total
Lectures per week	3	3	4	4	4	4	2	24
Credits	3	3	4	4	3	3	2	22

T.Y.B.Com. PER SEMESTER								
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Total
Lectures per week	4	4	3	4	3	3	3	24
Credits	5	5	4	5	3	4	4	30

Applied Components for SYBCom. & TYBCom:

1. Mass Communication
2. Advertising
3. Export Management
4. Direct & Indirect Taxation
5. Investment Analysis & Portfolio Management

ACADEMIC CREDITS

ACADEMIC CREDITS FOR THE B.A. PROGRAMME			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	24	24	48
Third Year (TY)	28	28	56
TOTAL MANDATORY CREDITS			146

ACADEMIC CREDITS FOR THE B.Sc. PROGRAMME			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	22	22	44
Third Year (TY)	30	30	60
TOTAL MANDATORY CREDITS			146

ACADEMIC CREDITS FOR THE B.Com. PROGRAMME			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	22	22	44
Third Year (TY)	30	30	60
TOTAL MANDATORY CREDITS			146

SELF-FINANCING COURSE

SELF-FINANCING COURSES **UNDER THE UNIVERSITY OF MUMBAI**

I. BACHELOR OF MANAGEMENT STUDIES (B.M.S.)

This course was introduced by the University of Mumbai in the year 1999-2000. With the growing demand for professionally qualified management executives, the course has been especially designed to create middle cadre management personnel.

It is a three-year degree course, with six semesters, managed by full-time as well as visiting faculty drawn from the Industrial and Service sectors. The College is committed to providing in-depth training using the latest equipment in computers, practical experience, industrial visits and summer placements, wherever possible.

ELIGIBILITY:

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

ELIGIBILITY CERTIFICATE:

For details please refer to Page No. 21.

ADMISSION CRITERIA:

For the BMS Course, unlike other courses, the students come from all 3 faculties (Arts, Science & Commerce) where the marking systems are very different. Hence an entrance test for this course will be conducted for admission purposes. Admissions would be on the basis of the entrance test: 60% and the XII Std. marks: 40%.

Minimum Percentage of marks in Qualifying Exams:

- a) Candidates belonging to the General Category, must secure at least 65% marks in aggregate in their Qualifying Exams.
- b) Candidates belonging to the Christian Minority Community must secure at least 60% in the Qualifying Exams.
- c) Candidates belonging to SC/ST reserved category must secure at least 55% marks in their Qualifying Exams.

SELF-FINANCING COURSE

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier's College - Autonomous:

F.Y.B.M.S.	:	Rs.24,140/- (approx)
S.Y.B.M.S.	:	Rs.19,225/- “
T.Y.B.M.S.	:	Rs.20,500/- “

FEE CONCESSION FOR BC STUDENTS:

For details please refer to Page No. 22

DURATION:

1. The Course shall be a full-time course. The duration of the course shall be of six semesters spread over three years.
2. Number of students: A batch shall consist of not more than 60 students.
3. The course shall consist of 39 modules comprising 38 theory papers and 1 project.

BACHELOR OF MANAGEMENT STUDIES (B.M.S.)

SEMESTER - I FYBMS

Course Code	Courses	Lectures Per Week	Credits
C.SPC.1.01	Special Course: Environmental Studies	3	3
C.BMS.1.01	Principles of Management	4	3
C. BMS.1.02	Introduction to Financial Accounts	4	3
C. BMS.1.03	Business Law	4	3
C. BMS.1.04	Business Mathematics	4	3
C. BMS.1.05	Business Communication	4	3
C. BMS.1.06	Introduction to Computers	4	3
TOTAL		27	21

SELF-FINANCING COURSE

SEMESTER II FYBMS

Course Code	Courses	Lectures Per Week	Credits
C.SPC.2.01	Special Course: Giving Voice to Values	3	3
C. BMS.2.01	Organizational Behavior	4	3
C. BMS.2.02	Industrial Law	4	3
C. BMS.2.03	Computer Applications in Business	4	3
C. BMS.2.04	Managerial Economics - I	4	3
C. BMS.2.05	Business Statistics	4	3
C. BMS.2.06	Introduction to Cost Accounting	4	3
TOTAL		27	21

SEMESTER - III SYBMS

Course Code	Courses	Lectures Per Week	Credits
C.SPC.3.01	Special Course: Human Rights	3	3
C.BMS.3.01	Human Resource Management	4	4
C. BMS.3.02	Management Accounting	4	3
C. BMS.3.03	Production and Materials Management	4	3
C. BMS.3.04	Marketing Management	4	4
C. BMS.3.05	Managerial Economics II	4	3
C. BMS.3.06	Direct and Indirect Taxes	4	4
TOTAL		27	24

SELF-FINANCING COURSE

SEMESTER - IV SYBMS

Course Code	Courses	Lectures Per Week	Credits
C.SPC.4.01	<u>Cross Faculty Course:</u>	3	3
GA	Garden Art (Botany)		
NR	Nutrition and Reproductive Health (Life Science)		
ID	Infectious Diseases : Staying Ahead (Microbiology)		
PI	Astronomy, Physics and its impact on the World (Physics)		
DS	Descriptive Statistics (Statistics)		
WB	Web Designing (IT)		
SLA	Secret lives of Animals (Zoology)		
CIC	Chemistry in Context: Applying Chemistry to Society (Chemistry)		
C. BMS.4.01	Research Methods in Business and MS EXCEL	4	4
C. BMS.4.02	Financial Management	4	3
C. BMS.4.03	Productivity & Quality Management	4	3
C. BMS.4.04	Cooperatives & Rural Markets	4	4
C. BMS.4.05	Business Environment	4	3
C. BMS 4.06	Banking, Insurance & Capital Markets	4	4
TOTAL		27	24

SELF-FINANCING COURSE

SEMESTER - V TYBMS

Course Code	Courses	Lectures Per Week	Credits
C.BMS.5.01	Entrepreneurship & Management of Small & Medium Enterprises	4	5
C. BMS.5.02	Service Sector Management	4	4
C. BMS.5.03	Elements of Logistics and Supply Chain Management	4	4
C. BMS.5.04	Indian Management Thoughts and Practices	4	4
C. BMS.5.05	International Finance	4	4
C. BMS.5.06	<u>Elective: I</u> Financial Resource Raising OR	4	4
C. BMS.5.07	<u>Elective: II</u> International Business		
C. BMS.5.08	Management Research Project	-	3
TOTAL		24	28

SEMESTER - VI TYBMS

Course Code	Courses	Lectures Per Week	Credits
C. BMS.6.01	Strategic Management	4	5
C. BMS.6.02	Risk Management	4	5
C. BMS.6.03	Operations Research	4	4
C. BMS.6.04	Business Ethics and Corporate Social Responsibility	4	4
C. BMS.6.05	E-Commerce	4	5
C. BMS.6.06	<u>Elective: I</u> Investment Analysis and Portfolio Management OR	4	5
C. BMS.6.07	<u>Elective: II</u> Retail & Sales Management		
TOTAL		24	28

SELF-FINANCING COURSE

ACADEMIC CREDITS FOR THE BMS PROGRAM			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	24	24	48
Third Year (TY)	28	28	56
TOTAL MANDATORY CREDITS			146

SELF-FINANCING COURSE

SELF-FINANCING COURSES UNDER THE UNIVERSITY OF MUMBAI:

BACHELOR OF MASS MEDIA (B.M.M.)

This is a course introduced from the academic year 2000-2001, by the University of Mumbai. It has been designed to provide students with a firm grounding in communication skills. It aims to develop an ability for critical thinking and creativity and to give the students an opportunity to combine the theoretical curriculum with practical applications, through detailed research, lucid writing skills, oral presentation skills and a mastery of various mass communications media in our global information age.

ADMISSION CRITERIA:

Students who have passed the H.S.C. examination in Arts, Science or Commerce, are eligible to apply for the BMM course. For the BMM Course, unlike other courses, the students come from all 3 faculties (Arts, Science & Commerce) where the marking systems are very different. Hence an entrance test for this course will be conducted for admission purposes. Admissions would then be on the basis of the entrance test: 60% and the XII Std. marks: 40%.

Minimum Percentage of marks in Qualifying Exams:

- Candidates belonging to the General Category, must secure at least 65% marks in aggregate in their Qualifying Exams.
- Candidates belonging to the Christian Minority Community must secure at least 60% in the Qualifying Exams.
- Candidates belonging to SC/ST reserved category must secure at least 55% marks in their Qualifying Exams.

The areas of specialization in the third year are: Advertising and Journalism. During the second year, the students receive on-the-job training through Internship. Besides this, Group Discussions, Seminars and Field Visits will be conducted during the course of 3 years.

ELIGIBILITY CERTIFICATE:

For details please refer to Page No. 21.

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier's College - Autonomous:

F.Y.B.M.M.	:	Rs.24,140/- (approx)
S.Y.B.M.M.	:	Rs.21,745/- “
T.Y.B.M.M.	:	Rs.21,255/- “

SELF-FINANCING COURSE

FEE CONCESSION FOR BC STUDENTS:

For details please refer to Page No. 22.

BACHELOR OF MASS MEDIA (B.M.M.)
CURRICULUM FOR ADVERTISING & JOURNALISM
(COMMON PAPERS FOR BOTH THE COURSES IN THE FIRST
FOUR SEMESTERS)

SEMESTER - I FYBMM

Course Code	Courses	Lectures Per Week	Credits
A.SPC.1.01	Special Course: Environmental Studies	3	3
A.BMM.1.01	Effective Communication Skills – I	4	3
A. BMM.1.02	Fundamentals of Mass Communication	4	3
A. BMM.1.03	History of Ideas	4	3
A. BMM.1.04	Introduction to Sociology	4	3
A. BMM.1.05	Introduction to Literature	4	3
A. BMM.1.06	Introduction to Computer Graphics	4	3
TOTAL		27	21

SEMESTER - II FYBMM

Course Code	Courses	Lectures Per Week	Credits
A.SPC.2.01	Special Course: Giving Voice to Values	3	3
A.BMM.2.01	Effective Communication & Translation Skills - II	4	3
A. BMM.2.02	Legal Environment & Media Ethics	4	3
A. BMM.2.03	Media Psychology	4	3
A. BMM.2.04	Political Concepts and Indian Constitution	4	3
A. BMM.2.05	Introduction to Economics - I	4	3
A. BMM.2.06	Introduction to Computer Graphics-II	4	3
TOTAL		27	21

SELF-FINANCING COURSE

SEMESTER - III SYBMM

Course Code	Courses	Lectures Per Week	Credits
A.SPC.3.01	Special Course: Human Rights	3	3
A.BMM.3.01	Introduction to Creative Writing	4	3
A. BMM.3.02	Cultural Studies	4	4
A. BMM.3.03	Introduction to Advertising	4	3
A. BMM.3.04	Introduction to Management Principle & Organisational Behaviour	4	4
A. BMM.3.05	Introduction to Journalism	4	3
A. BMM.3.06	Introduction to Audio and Video Production	4	4
TOTAL		27	24

SEMESTER - IV SYBMM

Course Code	Courses	Lectures Per Week	Credits
A.SPC.4.01	<u>Cross Faculty Course:</u>		
GA	Garden Art (Botany)	3	3
NR	Nutrition and Reproductive Health (Life Science)		
ID	Infectious Diseases : Staying Ahead (Microbiology)		
P1	Astronomy, Physics and its impact on the World (Physics)		
DS	Descriptive Statistics (Statistics)		
WB	Web Designing (IT)		
SLA	Secret lives of Animals (Zoology)		
CIC	Chemistry in Context: Applying Chemistry to Society (Chemistry)		
A.BMM.4.01	Radio & Television	4	3
A. BMM.4.02	Introduction to Photography	4	4
A. BMM.4.03	Theory of Media	4	3
A. BMM.4.04	Mass Media Research	4	4
A. BMM.4.05	Introduction to Marketing	4	3
A. BMM.4.06	Film Reading & Appreciation	4	4
TOTAL		27	24

SELF-FINANCING COURSE

SEMESTER - V TYBMM (Advertising)

Course Code	Courses	Lectures Per Week	Credits
A.BMM.5.01	Advertising for International Markets & Contemporary Society	4	5
A. BMM.5.02	Copywriting	4	4
A. BMM.5.03	Consumer Behaviour	4	5
A. BMM.5.04	Media Planning and Buying	4	4
A. BMM.5.05	Brand Building	4	5
A. BMM.5.06	Advertising Design	4	5
TOTAL		24	28

SEMESTER - VI TYBMM (Advertising)

Course Code	Courses	Lectures Per Week	Credits
A.BMM.6.01	Advertising & Market Research	4	5
A. BMM.6.02	Legal Environment & Advertising Ethics	4	4
A. BMM.6.03	Financial Management	4	5
A. BMM.6.04	Introduction to Public Relations	4	5
A. BMM.6.05	Introduction to Integrated Marketing Communications	4	4
A. BMM.6.06	Contemporary Issues	4	5
TOTAL		24	28

SELF-FINANCING COURSE

SEMESTER - V TYBMM (Journalism)

Course Code	Courses	Lectures Per Week	Credits
A. BMM.5.07	Reporting	4	5
A. BMM.5.08	Editing	4	4
A. BMM.5.09	Feature & Opinion	4	5
A. BMM.5.10	Journalism & Public Opinion	4	4
A. BMM.5.11	Indian Regional Journalism	4	5
A. BMM.5.12	Newspaper-Magazine Making	4	5
TOTAL		24	28

SEMESTER - VI TYBMM (Journalism)

Course Code	Courses	Lectures Per Week	Credits
A.BMM.6.07	Press Laws and Ethics	4	5
A. BMM.6.08	Broadcast Journalism	4	4
A. BMM.6.09	Print Journalism	4	5
A. BMM.6.10	Digital Media	4	4
A. BMM.6.04	Introduction to Public Relations	4	5
A. BMM.6.06	Contemporary Issues	4	5
TOTAL		24	28

SEMESTER AND CREDIT SYSTEM

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

BACHELOR OF MASS MEDIA

F.Y.BMM PER SEMESTER								
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Total
Lectures per week	4	4	4	4	4	4	3	27
Credits	3	3	3	3	3	3	3	21

S.Y.B.MM. PER SEMESTER								
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Total
Lectures per week	4	4	4	4	4	4	3	27
Credits	3	4	3	4	3	4	3	24

SELF-FINANCING COURSE

T.Y.B.MM. PER SEMESTER							
Sub	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Total
Lectures per week	4	4	4	4	4	4	24
Credits	5	4	5	4	5	5	28

ACADEMIC CREDITS FOR THE BMM PROGRAM			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	24	24	48
Third Year (TY)	28	28	56
TOTAL MANDATORY CREDITS			146

SELF-FINANCING COURSE

III. BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (B.Sc.-I.T.)

The B.Sc. IT program of Mumbai University is designed to provide basic inputs for a broad understanding of IT and its interfaces. The focus is on “Information Technology and Management of IT”. Today, smart, successful businesses use IT to give them an extra-edge to stay ahead of the competition. IT is soon becoming a ‘driver’ rather than an ‘enabler’ of business. It is used for processes like Office-Automation, Management Information Systems for fast decision making, R&D, re-engineering and organizational transformation. The program takes the students beyond computer skills to Telecommunication systems and Networking to e-commerce, internet security and Enterprise Resource Planning. This program will give a strategic advantage to the future Indian Manager! St. Xavier’s College began this course in the academic year 2007-2008.

The eligibility criteria for admission to this course requires a pass percentage of not less than 45% in aggregate at the XII std. exam of the Maharashtra State Board of Secondary & Higher Secondary Education or its equivalent with MATHEMATICS as one of the subjects. (For reserved category candidates the requirement is 40% aggregate) The passing standard is 40% of marks allotted in each head of passing.

ELIGIBILITY CERTIFICATE:

For details please refer to Page No. 21.

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier’s College - Autonomous:

F.Y.B.Sc. (I.T.)	:	Rs.31,665/- (approx)
S.Y.B.Sc. (I.T.)	:	Rs.28,925/- “
T.Y.B.Sc. (I.T.)	:	Rs.32,290/- “

FEE CONCESSION FOR BC STUDENTS:

For details please refer to Page No. 22.

This is a full time course covering Six Semesters over three years. The number of students in a batch will be 60. The course will consist of theory and practicals together with tutorials, assignments, case studies, projects, seminars and field trips. In the Third Year (Semester V & VI) the College will offer Special Electives from these categories. Students will have to select one course from each Category.

SELF-FINANCING COURSE

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (B.Sc.-I.T.)

SEMESTER - I FYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.SPC.1.01	Special Course: Environmental Studies	3	3
S.ITS.1.01	Professional Communication Skills	5	3
S. ITS.1.02	Applied Mathematics – I	5	3
S. ITS.1.03	Fundamentals of Digital Computing	5	3
S. ITS.1.04	Electronics and communication technology	5	3
S. ITS.1.05	Introduction to C++ programming	5	3
S. ITS.1.PR	Electronics, communication & Digital Computing and Introduction to C++ programming (ECT & C++)	6	3
TOTAL		34	21

SEMESTER - II FYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.SPC.2.01	Special Course: Giving Voice to Values	3	3
S. ITS.2.01	Computer Graphics	5	3
S. ITS.2.02	Applied Maths – II	5	3
S. ITS.2.03	Microprocessors and Microcontrollers	5	3
S. ITS.2.04	Data Base Management Systems (DBMS)	5	3
S. ITS.2.05	Data communication and Network standards	5	3
S. ITS.2.PR	Computer Graphics, Microprocessors and Microcontrollers and DBMS	6	3
TOTAL		34	21

SELF-FINANCING COURSE

SEMESTER - III SYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.SPC.3.01	Special Course: Human Rights	3	3
S.ITS.3.01	Logic and Discrete Mathematical Structures (LDMS)	5	3
S. ITS.3.02	Web Designing & Programming	5	3
S. ITS.3.03	Advanced Structured Query Language (ASQL)	5	3
S. ITS.3.04	Object Oriented Programming with JAVA	5	3
S. ITS.3.05	Embedded Systems	5	3
S. ITS.3.PR	ASQL and Embedded System	6	3
S.ITS.3.PR	OOPS with JAVA and Web Designing	6	3
TOTAL		40	24

SEMESTER - IV SYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.SPC.4.01	<u>Cross Faculty Course :</u>		
IC	Indian Culture (Ancient Indian Culture)	3	3
IE	International Economics (Economics)		
LR	Literature and Resistance (English)		
GS	An Introduction to Gandhian Studies (History)		
IC	Fundamentals of the Indian Constitution (Political Sc.)		
SC	Science of Culture (Sociology & Anthropology)		
STS	Science, Technology and Social Change : Some Issues and Challenges (Sociology & Anthropology)		
NM	Representing the Nation through the News Media (BMM)		
PM	Management Accounting and Investment portfolio management (BMS)		
S. ITS.4.01	Software Engineering		
S. ITS.4.02	Modern Operating System	5	3
S. ITS.4.03	Multimedia	5	3
S. ITS.4.04	Data Structure using JAVA	5	3
S. ITS.4.05	Statistical Techniques and Operation Research	5	3
S. ITS.4.PR	Modern Operating System and Multimedia	6	3
S. ITS.4.PR	Data Structure using JAVA and Statistical Techniques	6	3
TOTAL		40	24

SELF-FINANCING COURSE

SEMESTER - V TYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.ITS.5.01	Network Security	5	4
S. ITS.5.02	C# with ASP.Net	5	4
S. ITS.5.03	Software testing	5	4
S. ITS.5.04	E-Commerce and M-Commerce Technologies	5	4
S. ITS.5.05	Introduction to Artificial Intelligence	5	4
S. ITS.5.PR	Network Security and Software testing	6	4
S. ITS.5.PR	C# and ASP. NET	6	4
S.ITS.5.PJ	Scientific Communication Skills & Project	1	-
TOTAL		38	28

SEMESTER - VI TYBSC (IT)

Course Code	Courses	Lectures Per Week	Credits
S.ITS.6.01	Internet Technologies	5	4
S. ITS.6.02	Enterprise Resource Planning	5	4
S. ITS.6.03	Advanced Java	5	4
S. ITS.6.04	Data Warehousing & Data Mining	5	4
S. ITS.6.PR	Internet Technologies and Advanced Java	6	4
S. ITS.6.PJ	Project, Scientific Communication Skills	3+9	8
TOTAL		38	28

SELF-FINANCING COURSE

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

F.Y.BSc IT PER SEMESTER								
Sub	Th1	Th 2	Th3	Th4	Th5	Practs	Th6	Total
Lectures per week	5	5	5	5	5	6	3	34
Credits	3	21						

S.Y.B.Sc IT PER SEMESTER								
Sub	Th 1	Th2	Th3	Th 4	Th5	Practs	Th6	Total
Lectures per week	5	5	5	5	5	12	3	40
Credits	3	3	3	3	3	6	3	24

T.Y.B.Sc IT SEMESTER V								
Sub	Th 1	Th2	Th3	Th 4	Th5	Practs	Th6	Total
Lectures per week	5	5	5	5	5	12	1	38
Credits	4	4	4	4	4	8	-	28

T.Y.B.Sc IT SEMESTER VI							
Sub	Th 1	Th2	Th3	Th 4	Practs	Project	Total
Lectures per week	5	5	5	5	6	12	38
Credits	4	4	4	4	4	8	28

ACADEMIC CREDITS FOR THE B Sc I.T. PROGRAM			
Year of Study	First Semester	Second Semester	Total
First Year (FY)	21	21	42
Second Year (SY)	24	24	48
Third Year (TY)	28	28	56
TOTAL MANDATORY CREDITS			146

UGC SPONSORED B. VOC. COURSES

BACHELOR OF VOCATION (B.VOC.) PROGRAMME (FUNDED BY THE UNIVERSITY GRANTS COMMISSION (UGC))

INTRODUCTION:

It has been a long felt necessity to align higher education with the emerging needs of the economy and incorporate the requirements of various industries. The University Grants Commission (UGC) has launched a scheme on skills development based on higher education leading to Bachelor of Vocational (B.Voc.) Degree with multiple exits such as Diploma/ Advanced Diploma. The B.Voc. Programme is focused on preparing graduates/Diploma holders acquire necessary job market skills enabling them to gain appropriate employment or become entrepreneurs.

St. Xavier's College - Autonomous Offers the Bachelor of Vocation Programme in two streams:

1. **SOFTWARE DEVELOPMENT**
2. **TOURISM**

B.Voc.: Software Development.

The I.T. Sector in India is growing and vocationally trained skilled workforce in very large numbers is required for automation of enterprises & companies. India is going to need software enabled people in almost all sectors, such as, Finance and Stock Exchange, Pharmaceutical, Media and entertainment, corporate business to name a few...

This course is designed in such a way that at the end of three years students will get a B.Voc.: Software Development degree & can seek jobs in the field of materials management in manufacturing industries in the purchase / stores / sales & marketing departments

However, at the end of first year with a Diploma they can seek jobs as Computer Assistants in Offices & Accounts Departments. If they continue through the second year they can leave with an advanced diploma and seek jobs in technical management i.e. in publishing, entertainment media & social industry.

B.Voc.: Tourism

India's vast natural, historical and cultural diversity is poorly tapped by the tourism industry. According to one source, India's position stands at 41 internationally and 11 in the Asia-Pacific region. While the Government and other agencies look into the infrastructural and other essentials for Tourism development we see lacunae in the availability of well trained Tour guides,

UGC SPONSORED B. VOC. COURSES

Managers, Operators to develop the vast potential for Tourism that India has to offer. Besides, the concept of Tourism and hospitality management has now widened to include Event Management of both short ad long programmes for corporate groups, educational institutes etc. This service-based industry requires (besides cognitive, creative and core-competency skills in the practical and organizational aspects of the industry) crucial and well-developed interpersonal and communication skills.

Who are eligible to apply for admissions to the First Year B.Voc. courses in Software Development and in Tourism:

A candidate in order to be eligible for admission to the B.Voc. courses in Software Development and in Tourism shall have passed the Class XII from any stream, including the Examination conducted by the Maharashtra State Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branch with two or three or four years duration after passing the Secondary School Certificate (S.S.C.) examination conducted by the Board of Technical Education, Maharashtra State or equivalent examination.

SEATS AVAILABLE – 50 each for Tourism and Software Development

The College is a Catholic Minority College, administered under the Provisions of the Indian Constitution, to promote the welfare of the Minority community and to extend its services to all other communities in India, so as to contribute to the harmony and integration of Indian society. 50% of seats are reserved for Catholic Minority students. There is also reservation of seats as given below:

Reservation of Seats: (As per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005.)

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50%	43% : (On the balance seats of 85%)
	General Category - 25%	21% : (On the balance seats of 85%)
	Reserved Category : (SC/ST/DT(A) / NT(B) /NT(C) /NT(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%)

** The Special category is for the wards of transferred State/Central Government and Private Sector employees, Defence Personnel, Ex-Servicemen, Freedom fighters; for students who have met with an accident and also for award winners at the District/State/National Level in Sports or Cultural activities.

UGC SPONSORED B. VOC. COURSES

Selection Process

The College has introduced an ONLINE application system for the First Year B.Voc admissions. All candidates applying for admission to St. Xavier's College are expected to apply through the online application system on the homepage of the website www.xaviers.edu which will be activated in May, 2015.

The Last date for submission of online application forms for admission to the College and dates for display of merit lists will be put up on the "homepage" of our website www.xaviers.edu. The schedule for admissions will be announced by the University of Mumbai. Admissions are made only on the basis of the overall percentage of marks at the qualifying examination. The Grades awarded by some Boards are converted to percentages according to a formula provided by their respective Boards or by the Association of Indian Universities, New Delhi for students coming from Foreign Boards.

IMPORTANT

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" on the following link <http://mum.digitaluniversity.ac> (Dates for online registration will be announced by the University sometime in the last week of May 2015 - you will need to click on:- Pre Admission Online Registration)

Therefore, all candidates applying for admission to St. Xavier's College for the First Year Courses i.e. B.A., B.Sc., B.Com., B.Sc. (IT), B.M.M., B.M.S. and B.Voc courses in Tourism and in Software Development are required to fill in the "Pre-Admission Online Registration Form" and submit a hard copy of the same to the College Office (dates for submission will be announced later).

At the time of admission the candidate must submit the **Class XII marksheet in original** and **two** attested copies of the same and **one** attested copy of other relevant documents as mentioned below:

1. Class XII Marksheet – (Original + 2 attested copies)
2. Baptism Certificate (For the Minority community - Christians)
3. Caste Certificate (for reserved category)
4. Documentary Evidence regarding special category status

Provisional Eligibility Certificate:

Students passing the Class XII from other Boards i.e. ISC, CBSE, IB, other State Boards etc or Foreign Boards / Universities have to apply for a provisional eligibility certificate issued by the University of Mumbai at the time of admissions through the College. Therefore, candidates who accept the offer of admission to the College will be given the prescribed application forms for provisional eligibility. The duly filled in forms are required to be returned to the College with an attested copy of the class XII marksheet and a passport size photograph along with a prescribed fee of Rs.320/- for eligibility and Rs.500/- total Rs.820/- The duly filled in application form will then be

UGC SPONSORED B. VOC. COURSES

forwarded to the University of Mumbai for issue of Provisional Eligibility Certificate by the College.

Further, candidates admitted to the College on the strength of the provisional eligibility certificate issued by the University of Mumbai, are required to submit the original and attested copies of the following certificates/documents as mentioned below to the College Office before the close of the 1st semester or at the beginning of the 2nd semester. These certificates will be sent to the University of Mumbai for confirmation of eligibility to the respective courses in which he/she has been offered admission.

- a) Class XII Statement of Marks
- b) Pass Certificate
- c) Migration Certificate

Candidates passing Class XII Examinations from Foreign Boards and students passing from International Baccalaureate (I.B.) or “A” levels examinations - General Certificate of Education (GCE) / Cambridge International School Exam (CIE) of Cambridge or University of London are required to first approach the University of Mumbai, Eligibility Section, Kalina Campus, Santacruz (East), Mumbai – 400 098 and obtain a ‘PRIMA FACIE’ Eligibility letter from the University of Mumbai for the purpose of admissions to all First Year Degree Courses namely B.A., B.Sc., B.Com, B.M.M., B.M.S., and B.Sc. (IT) and B.Voc courses in Tourism and in Software Development.

FEES:

The total fees, including deposit and laboratory fees as sanctioned by the management board, St. Xavier’s College – Autonomous are as follows:

1.	F.Y.B.Voc.- Software Development	Rs. 6,400/- (approx)
2.	S.Y.B.Voc – Software Development	Rs. 5,433/- (approx)
3.	T.Y.B.Voc – Software Development	Rs. 7,260/- (approx)
1.	F.Y.B.Voc. – Tourism	Rs. 5,675/- (approx)
2.	S.Y.B.Voc. – Tourism	Rs. 5,055/- (approx)
3.	T.Y.B.Voc. –Tourism	Rs. 6,245/- (approx)

Note: The Reserved Category Candidates (i.e. SC,ST,VJNT,DT,SBC & OBC) will be entitled to exemption of certain fees as prescribed by the Government, subject to submission of necessary documents along with the application form, if found eligible for such concession.

UGC SPONSORED B. VOC. COURSES

LIST OF COURSES:

B.Voc. SOFTWARE DEVELOPMENT

Class	Course Code	Course Title	No. of Lectures per week	No. of Credits	
SEMESTER – I					
F.Y.B.Voc.	General Education Component	S.BVOC.1.01	Business Communication - I	3	3
		S.BVOC.1.02	Effective Hindi or French Skills	3	3
		S.BVOC.1.03	Environment Studies	3	3
		S.BVOC.1.04	Indian Culture & Philosophy	3	3
	Skill Component	S.BVOC.1.05	Basics of Computer Organisation & Networking	3 + 3	3+1.5
		S.BVOC.1.06	Structured Programming using C++	3 + 3	3+1.5
		S.BVOC.1.07	Office Automation Software	3 + 3	3+1.5
		S.BVOC.1.08	Financial Mathematics & Accounts	3 + 3	3+1.5
Sub Total of Credits = 30					
SEMESTER – II					
F.Y.B.Voc.	General Education Component	S.BVOC.2.01	Business Communication – II	3	3
		S.BVOC.2.02	Effective Hindi or French Skills	3	3
		S.BVOC.2.03	Giving Voice to Values	3	3
		S.BVOC.2.04	Innovations in Science	3	3
	Skill Component	S.BVOC.2.05	Structured Query Language (SQL)	3 + 3	3+1.5
		S.BVOC.2.06	Advanced Features of Office Automation Software	3 + 3	3+1.5
		S.BVOC.2.07	Financial and Accounting Tools	3 + 3	3+1.5
		S.BVOC.2.08	Object Oriented Programming Using JAVA	3 + 3	3+1.5
Sub Total of Credits = 30					

UGC SPONSORED B. VOC. COURSES

SEMESTER – III					
S.Y.B.Voc.	General Education Component	S.BVOC.3.01	Media Studies & Cinema	3	3
		S.BVOC.3.02	Social Analysis	3	3
		S.BVOC.3.03	Economic Analysis	3	3
		S.BVOC.3.04	Human Rights	3	3
	Skill Component	S.BVOC.3.05	HTML & CSS	3 + 3	3+1.5
		S.BVOC.3.06	Coreldraw / Photoshop	3 + 3	3+1.5
		S.BVOC.3.07	Advanced SQL with Oracle	3 + 3	3+1.5
		S.BVOC.3.08	Javascript, JQuery	3 + 3	3+1.5
Sub Total of Credits = 30					
SEMESTER – IV					
S.Y.B.Voc.	General Education Component	S.BVOC.4.01	Media Studies & Cinema	3	3
		S.BVOC.4.02	Social Analysis	3	3
		S.BVOC.4.03	Economic Analysis	3	3
		S.BVOC.4.04	Political Analysis	3	3
	Skill Component	S.BVOC.4.05	PHP & MySQL	3 + 3	3+1.5
		S.BVOC.4.06	Animation using Maya / other Software	3 + 3	3+1.5
		S.BVOC.4.07	Open Source Platforms (Linux, RoR)	3 + 3	3+1.5
		S.BVOC.4.08	Mobile Development using Android	3 + 3	3+1.5
Sub Total of Credits = 30					
SEMESTER – V					
T.Y.B.Voc.	General Education Component	S.BVOC.5.01	Popular Culture	3	3
		S.BVOC.5.02	Entrepreneurship	3	3
		S.BVOC.5.03	Political Analysis	3	3
		S.BVOC.5.04	Psychology	3	3
	Skill Component	S.BVOC.5.05	Software Testing	3 + 3	4+2
		S.BVOC.5.06	SAP - I	3 + 3	4+2
		S.BVOC.5.07	Project - I	12	6
Sub Total of Credits = 30					

UGC SPONSORED B. VOC. COURSES

SEMESTER – VI					
T.Y.B.Voc.	General Education Component	S.BVOC.6.01	Popular Culture	3	3
		S.BVOC.6.02	Entrepreneurship	3	3
		S.BVOC.6.03	Business Ethics	3	3
		S.BVOC.6.04	Principles of Financial Accounting	3	3
	Skill Component	S.BVOC.6.05	DOTNET Technologies	3 + 3	4+2
		S.BVOC.6.06	SAP - II	3 + 3	4+2
		S.BVOC.6.07	Project - II	12	6
Sub Total of Credits = 30					
GRAND TOTAL OF CREDITS = 180					

B.Voc. TOURISM

Class	Course Code	Course Title	No. of Lectures per week	No. of Credits	
SEMESTER – I					
F.Y.B.Voc.	General Education Component	A.BVOC.1.01	Business Communications – I	3	3
		A.BVOC.1.02	Effective Hindi or French Skills	3	3
		A.BVOC.1.03	Environment Studies	3	3
		A.BVOC.1.04	Indian Culture & Philosophy	3	3
	Skill Component	A.BVOC.1.05	Principles of Travel & Tourism I	3+3	4 + 1
		A.BVOC.1.06	Intro. to Indian Geog., Hist. & Culture (North India)	3+1	4
		A.BVOC.1.07	Intro. to World Geog., Hist. & Cult. (Europe & America)	3+1	4
		A.BVOC.1.08	Basic Computer Skills	3+3	4 + 1
Sub Total of Credits = 30					

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SEMESTER – II					
F.Y.B.Voc.	General Education Component	A.BVOC.2.01	Business Communications – II	3	3
		A.BVOC.2.02	Effective Hindi or French Skills	3	3
		A.BVOC.2.03	Giving Voice to Values	3	3
		A.BVOC.2.04	Innovations in Science	3	3
	Skill Component	A.BVOC.2.05	Principles of Travel and Tourism-II	3+3	4 + 1
		A.BVOC.2.06	Intro. to Indian Geog., Hist. & Culture (South and West India)	3+1	4
		A.BVOC.2.07	Intro. to World Geog., Hist. & Cult. (Asia, Africa & Australia)	3+1	4
		A.BVOC.2.08	Basic Computer Skills - II	3+3	4 + 1
Sub Total of Credits = 30					
SEMESTER – III					
S.Y.B.Voc.	General Education Component	A.BVOC.3.01	Media Studies & Cinema	3	3
		A.BVOC.3.02	Social Analysis	3	3
		A.BVOC.3.03	Economic Analysis	3	3
		A.BVOC.3.04	Giving Voice to Values	3	3
	Skill Component	A.BVOC.3.05	Travel & Tourism Business Environment	3+3	4 + 1
		A.BVOC.3.06	Sustainable Tourism I	3+1	4
		A.BVOC.3.07	Principles of Management & Leadership	3+1	4
		A.BVOC.3.08	Types of Tourism - Hist. / Rel. / Medical / Adventure	3+3	4 + 1
Sub Total of Credits = 30					
SEMESTER – IV					
S.Y.B.Voc.	General Education Component	A.BVOC.4.01	Media Studies & Cinema	3	3
		A.BVOC.4.02	Social Analysis	3	3
		A.BVOC.4.03	Economic Analysis	3	3
		A.BVOC.4.04	Political Analysis	3	3
	Skill Component	A.BVOC.4.05	Sustainable Tourism II	3+3	4 + 1
		A.BVOC.4.06	Human Resource Management for Tourism	4	4
		A.BVOC.4.07	Basics of Accounting	4	4
		S.BVOC.4.08	Destination Knowledge	3+3	4 + 1
Sub Total of Credits = 30					

UGC SPONSORED B. VOC. COURSES

SEMESTER – V					
T.Y.B.Voc.	General Education Component	A.BVOC.5.01	Popular Culture	3	3
		A.BVOC.5.02	Entrepreneurship	3	3
		A.BVOC.5.03	Political Analysis	3	3
		A.BVOC.5.04	Psychology	3	3
	Skill Component	A.BVOC.5.05	Operations Management	4	4
		A.BVOC.5.06	Ticketing	4	5
		A.BVOC.5.07	Introduction to Event Management	4	4
		A.BVOC.5.08	Event Management - Production	4	5
Sub Total of Credits = 30					

SEMESTER – VI					
T.Y.B.Voc.	General Education Component	A.BVOC.6.01	Popular Culture	3	3
		A.BVOC.6.02	Entrepreneurship	3	3
		A.BVOC.6.03	Business Ethics	3	3
		A.BVOC.6.04	Principles of Financial Accounting	3	3
	Skill Component	A.BVOC.6.05	E-Tourism	4	4
		A.BVOC.6.06	Corporate Travel Management	4	5
		A.BVOC.6.07	Event Implementation and Evaluation	4	4
		A.BVOC.6.08	Event Management - Project Work on Campus	4	5
Sub Total of Credits = 30					
GRAND TOTAL OF CREDITS = 180					

PRINCIPLES USED IN CONSTRUCTING AUTONOMY

- The goal of Autonomy is to achieve higher standards and greater creativity.
- The Official Teaching Workloads of the Faculty should remain the same as per UGC and Government guidelines.
- The College will stay in tune with the University of Mumbai.
- Syllabii will be made more Relevant, Challenging and Balanced.
- Continuous Internal Assessment will avoid rote learning and encourage creativity and continuous learning.
- Arts, Science and Commerce UG courses will have the same number of total mandatory credits.
- “Credit” is the internationally accepted norm to measure the work done by the teacher and the student in the teaching-learning process.
- 1 Credit corresponds to varying hours of contact and guided personal work per week, over 15 weeks, depending on the Subject (whether Major/Non-Major), Faculty of Study, Year of Study and whether Practical or Lecture.
- Students will get Credits for Co-curricular and Extra-curricular activities.
- Students will get Credits for Service Learning and Extension Work.
- Quality Mechanisms will be put into place to ensure excellence in the teaching-learning process.

ASSESSMENT / EVALUATION

ADDITIONAL REQUIREMENTS FOR ALL DEGREE COURSES

All the three Faculties of Arts, Science and Commerce will offer students 146 Academic Credits. 134 of which will be in the Subjects

Special Courses of 3 credits each for the first four semesters:

- Interdisciplinary Environmental Studies
- Giving Voice to Values
- Human Rights
- Cross Faculty Course

Additional Mandatory Credits to be completed over the six semesters:

- Social Involvement Programme : 2 Credits
- Extracurricular Activities : 2 Credits

The Grades for the above 4 Credits will not be counted in the final GPA.

Students should earn a total of $146 + 4 = 150$ Credits for the degree program.

- Field Work/ Project/Internship : 1 Credit - optional extra credit encouraged.

(Work related to the major subject completed in the summer between the S.Y. and T.Y.)

ASSESSMENT / EVALUATION

Theory Courses

- Comprehensive Evaluation of students is achieved through both Continuous Internal Assessment (CIA) and End Semester Assessment (ESA).
- The distribution of weightage between the Continuous Internal Assessment and End Semester Examinations is 40: 60

ASSESSMENT / EVALUATION

Continuous Internal Assessment (CIA)

- CIA-1: Written Test (45 min) = 50% of CIA marks
- CIA-2: Assignment/MCQ/Quiz/Seminar/Presentation/Fieldtrip/Viva/ Exhibition Model etc = 50 % of CIA marks

For Project-based learning modules, Faculty members of the College will seek prior written permission from the Principal for any Survey or Field Research, within or outside the campus, to be carried out by students and/or faculty, as part of the Continuous Internal Assessment of the College or as activity to provide experiential learning to the students, as this tends to get associated with the reputation of the College.

The results of such surveys should not be offered or commented on to the Media either by the Faculty member or students involved, without the prior written permission of the Principal. A written understanding to this effect will be given by each student participating in the project and a no objection declaration for carrying out the activity by their parents

- A Re-test of 20 marks and 45 minutes will be held for those who miss either or both CIA units (with reasonable justification) or who fail in both the CIA units taken together.

End Semester Assessment / Examination

- In the form of a two-hour, comprehensive written / Computer-based examination for each Course held at the end of each semester.

Practical Courses

- Continuous Internal Assessment: End Semester Exam with a ratio of 40:60
- CIA: 40 % per Semester, of which the Journal will have 10 % + Mid Semester Test = 30 %
- A Semester End Practical Exam of 60 %
- No marks are given for Attendance but the Journal will be certified only with completion of 75% Attendance at Practicals per Course, and the Journal signed by the Faculty In Charge at each of these Practicals.

RULES UNDER AUTONOMY

I. ADMISSIONS

1. Admission of students into the Autonomous Degree Courses will be on the basis of the aggregate marks in the qualifying examination or its equivalent, for both the Undergraduate Courses and the Masters Courses, unless specified otherwise. The quota system as specified by the Government of Maharashtra will be followed for Minority, Backward Class and other candidates.

For the BMS & BMM Courses, unlike other courses, the students come from all 3 faculties (Arts, Science & Commerce) where the marking systems are very different. Hence an Entrance Test for these courses will be conducted for admission purposes. Admissions to the BMS & BMM will be on the basis of the entrance test: 60% and the XII Std. marks: 40%.

The M.Sc Life Sciences programme will also have an Entrance Test for admission and the M.A. in Ancient Indian Culture will hold an Entrance Test for students from faculties other than Arts.

2. All applications for admissions to any undergraduate or postgraduate Degree Course should be submitted by the date notified by the College. Late applications may not be accepted.
3. Admissions can be considered to be granted only when the full fees for the academic year are paid, an official receipt has been issued and the name of the applicant appears on the relevant rolls. Payment in full or in part can be condoned or deferred by the Principal.
4. All admissions, both of undergraduates and post-graduates, are valid only for one year and are therefore to be renewed for each subsequent year of study. Students who misbehave and have serious complaints of indiscipline against them during the year will not be re-admitted to the College.
5. No student will ordinarily be re-admitted to the College after three unsuccessful attempts at the same examination or after s/he has not been granted terms by the College in two successive years.



Admissions

RULES UNDER AUTONOMY

II. ASSESSMENT

Theory:

- 1) Continuous Internal Assessment (CIA): If students submit assignments etc beyond the deadline without reasonable justification, they may be penalised by giving a maximum of 8 marks or less, out of 20, according to the quality.
- 2) End Semester Assessment:
A Student will not be granted terms (TNG) and will not be allowed to appear for the End Semester Examinations unless he/she fulfills all the following conditions:
 - i) He/she attends at least 75% of the lectures, practicals and tutorials in each semester.
 - ii) He/she has completed the Continuous Internal Assessment requirement of test / assignment / seminars / project work etc securing the minimum marks required
 - iii) He/she has attended and got signed in the Journal, at least 75% of the Practicals in every Subject where Practicals are prescribed.
- 3) There will be bar coding / masking of answer sheets for assessment at the End Semester Exams.
- 4) For the End Semester Examinations of the F.Y/ S.Y. courses



there will be a Single Evaluation with Moderation. All courses will have External Moderation according to the following rules: Moderation will be done of the top 4 students of the course from each division, 50% of those failing

the exam, and 10% of the rest on a random basis. If a moderator finds some problems with the assessment of a course, the option to increase the number of papers moderated could be exercised in consultation with the Principal. If 30% or more of the moderated papers of a Division have a change of more than 10% of marks scored, a blind evaluation of the moderated papers will be required by a second moderator. If the change is upheld, all the answer papers of that group will have to be re-evaluated blind. An average of the first evaluation and of the re-evaluation will be the score awarded.

RULES UNDER AUTONOMY

- 5) At the Third Year, there will be a double blind Evaluation through an external examiner and the teacher of the course and an average of the two scores will be awarded. If there is more than 10% difference in 30% or more papers in a Division or Course, then a third blind Evaluation will be done.
- 6) A process of Marks Settling will be done for each Course, which consists of adding up to 2 marks to the CIA, ESE or Total scores, to fulfill the passing norms of the course (20% for CIA, 35% for End Semester and 40% for the total). The Principal and Examination Committee can do a further Marks Settling, if, based on statistical analysis, students in a particular Course have been observed to have unusually low marks.
- 7) Gracing Norms:
1% of the Grand Total will be added to any Course/Courses to fulfill the passing norms.
1% will be added to the Grand Total to obtain a Second Class or a First Class provided the student has not obtained grace marks for passing.
- 8) A student who is not satisfied with the evaluation of his or her paper in any Course, can apply within the prescribed time limit for a photo-copy of the answer paper and if still not satisfied, can apply within the prescribed time limit for a re-evaluation of that paper. If the re-evaluation reveals a 10% difference or greater, an average of the first evaluation and of the re-evaluation will be the score awarded.
- 9) A 4-point grade system is adopted with Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) calculations. Students are encouraged to perform to their best ability in every unit of assessment in order to graduate with a high CGPA.
- 10) Marksheets will be issued for each Semester and for Additional Examinations attempted.



Practicals:

- 11) Practical End Semester Exams will be held at the end of each Semester.
- 12) There will be no Additional ESE for Practicals within the same Semester.

RULES UNDER AUTONOMY

Passing Norms:

- 13) **A.** To pass a Theory Course in the first semester, a student must secure a minimum of 35% in the End Semester Exam and 40% in both CIA and End Semester Exam put together. For Practical Courses, in the first semester, a student must score a minimum of 35% in the ESE and an overall 40% in the combined evaluation for each Subject.
- B.** For the first and subsequent semesters, the Practical CIA will be out of 20 marks per Course, of which 5 marks will be awarded for the Journal at the end of the Semester. The Journal for each Course will be certified if the student has performed at least 75% of the Practicals in each Semester and the relevant written experiments have been signed by the Faculty In-charge. A student whose Journal is not certified in a Course will be given zero marks for the Journal in that Course. Marks per course will be recorded and maintained by the Department. A grand total of the marks of all the Practical Courses in a Subject attempted by the student will be submitted to the College Office.
- 14) To pass a Theory Course in all subsequent semesters except the first semester, a student must secure a minimum of 20% in the CIA, 35% in the End Semester Exam and 40% in both put together. If a student fails to get the qualifying marks in (or is absent for) the CIA of a Theory Course, that is, gets less than 8 marks out of 40, s/he will have to appear for the Re-Test for 20 marks which will cover a greater portion or will be at a higher level of difficulty. If s/he gets more than 7 but less than 16 marks out of 40, the retest is encouraged. Absence will have to be explained in writing by a parent/guardian to the Vice Principal. To pass in Practicals, a student in all subsequent semesters, except the first semester, will have to secure a minimum of 20% in the CIA of the Subject, in addition to a minimum of 35% in the ESE and a minimum 40% in the total.
- 15) Those who fail to get the qualifying marks in the CIA (less than 20%) in more than 3 Courses in a Semester will not be eligible to appear for all the End Semester Exams. This will not apply to the First Semester but will apply from the Second Semester onwards.
- 16) Those who fail in Courses adding up to more than 12



RULES UNDER AUTONOMY

credits across both Semesters put together will fail the year. Those failing in Courses adding up to 12 credits or less across both Semesters in the year will be Allowed to Keep Terms (ATKT) and will have to appear for the Additional Exams for these courses in the next Semester.

- 17) A student, who fails a Theory course and scores 19 or less marks in the CIA out of 40, will be eligible to appear for an Additional CIA in the following Semester. If a student fails a Theory course in an odd numbered semester (first, third and fifth), and is allowed to keep terms, s/he will be able to appear for an Additional CIA unit by way of an Assignment/Test/Presentation for 20 marks – to be submitted in the middle of the next semester (second, fourth and sixth respectively) and an Additional End Semester Exam at the end of this same even numbered semester. S/he will get a third chance to pass the course in the next odd numbered semester, through an Additional CIA by way of the Retest held for that course and an Additional End Semester Test at the end of this same odd numbered semester.
- 18) If a student fails a Theory course in an even numbered semester (second and fourth), and is allowed to keep terms, s/he will be able to appear for an Additional CIA unit by way of an Assignment/Test/ Presentation for 20 marks – to be submitted in the middle of the next semester (third and fifth respectively) and an Additional End Semester Exam at the end of this same odd numbered semester. S/he will get a third chance to pass the course in the next even numbered semester, through an Additional CIA by way of the Retest held for that course and an Additional End Semester Test at the end of this same even numbered semester.
- 19) If a student is absent for or fails to score a minimum of 20% in the Practical CIA of a Subject, a Practical Retest CIA will be held in the same semester. The first additional Practical CIA, for those who have failed in the Subject, will be held in the next Semester. The student can appear for this CIA only in the Course in which s/he was absent. If the student received less than 40% of the total CIA marks in the Subject in which s/he has failed, the student will have to appear for the Practical CIA of the Course in which s/he scored the least marks.
- 20) If a student is absent for or fails to score a minimum of 35% in the ESE or a minimum of 40% in the total of a Practical

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Subject, an additional Practical ESE will be held in the next semester or when the Practical Exam is held for the next batch of students, as decided by the Head of Department in consultation with the Principal.

- 21) Appearing for the Additional unit of the CIA is only permissible if the student was absent for the CIA or fails to get 40% in the CIA appeared for till then, with the two best results added together.
- 22) Results of Additional CIA units or Additional End Semester Tests will be shown on a separate marksheet.
- 23) A student cannot progress to the fifth semester if s/he has one or more courses to clear in semesters 1 and 2.
- 24) A student cannot progress to the sixth semester if s/he has one or more courses to clear from semester 3.
- 25) The results of the sixth semester will not be declared until the student has cleared all the previous semester courses.

III. ATTENDANCE:

A grade is awarded for Student Attendance

1. The grading for class attendance would be:

a) A++	91 – 100 %
b) A+	81 – 90 %
c) A	75 – 80 %
d) D	less than 75 %



2. Attendance at Lectures and Practicals is compulsory for every student of St. Xavier's. The College expects 100% attendance. However, since there are legitimate reasons why some may not be able to attend for a few days, a minimum of 75% attendance at lectures and practicals will be enforced as mandatory for each student for every semester. A condonation up to 50% of lectures could be given at the discretion of the Principal, in cases of serious illness authenticated by a doctor's certificate and medical records, or for other serious reasons accepted by the Principal. No condonation of attendance, for any reason, is possible below 50% of all lectures/tutorials taken in the two semesters of the year put together. However, if a student does not have a minimum attendance of 50% of the lectures in the first semester of the academic year (Semester 1 or 3 or 5), s/he will

RULES UNDER AUTONOMY

not be allowed to attempt the regular ESE examinations for that semester, but upon making up attendance in the second semester of that academic year (Semester 2 or 4 or 6 respectively), to a minimum of 50% of both semesters put together, will be allowed to attempt the Additional ESEs in March-April of that same academic year. For Practicals, the Journals certified for 60% of the Practicals in the Subject in each Semester will be mandatory, with no possibility of condonation below this level.

3. Students, who are sent with prior authorization from the Principal to represent the College in Sports or Cultural or Co-curricular activities, will be given attendance for those lectures missed in such activities.
4. A student is not allowed to absent himself/herself from lectures, practicals, units of CIA or End Semester Exams without the express prior permission of the Principal or Vice-Principal, unless unavoidable. Absence without permission will make students liable to disciplinary action including the denial of Terms.
5. Absence from any College Test/Exam must be justified in writing, and, in case of illness, by a medical certificate and medical records. These must be accompanied by a covering letter from the parent or guardian of the student, and must be submitted to the Vice-Principal/General Office by the last day of the set of Examinations from which the student seeks to be excused. Letters and certificates to explain absence from CIA units and Examinations must be submitted separately from those intended to explain absence from lectures/practicals.
6. Although illness or other serious circumstances may be considered valid reasons for absence from lectures, practicals and examinations, the College may not have sufficient evidence of participation in its educative activities to grant the student terms for the Semester. The student would then have to repeat the course of studies in the next academic year.



RULES UNDER AUTONOMY

IV. Rules for sports and extra-curricular activities

A mandatory extra-curricular, non-academic credit will be required to be earned by each student, over the 3-year undergraduate programme. It will be administered by the Faculty Coordinator of the Extra-Curricular Committee, which will keep the records.



- The student will have to have a minimum of 60 hours in extra-curricular activities over the 3 years.
- S/he will be awarded grade A or A+
- The activities will consist of:
 - a. Sports Activities certified by the Sports Director.
 - b. Representing the College for Cultural Competitions, certified by the Extra-Curricular Committee.
 - c. Engaging in the Activities of Associations like Ithaka, IMG, AICUF, Antas, Marathi Mandal etc certified by the Faculty In-charge.
 - d. Engaging in non-academic activities and the organization of events, under the Department Associations, certified by the Faculty in-charge.
 - e. Participation in the organization of Malhar.
 - f. Student Council Activities.
 - g. Organising International Programmes
 - h. S.S.L.: office-bearers
 - i. Magazine Committee student members
 - j. Participating in workshops for cultural skill enhancement
 - Records will be kept in terms of hours of participation and level or quality of participation.



V. Social Involvement Programme:

Working on the philosophy that “where the heart is touched by direct experience, the mind is challenged to change”, this programme requires students to involve themselves in action, in collaboration with an NGO, for a minimum of 60 hours spread over 2 semesters.

RULES UNDER AUTONOMY

VI. Internships / Fieldwork experience:

This is to be done during the summer break after Semester 4 and is encouraged in order to enable students to gain practical experience in the field of their study.

The type of Internship needs to be approved by the Head of Department. A request letter will be given to the student when approaching an organisation for internship opportunities.

An internship which consists of a minimum of 60 hours of experience, with a maximum of 6 hours per day, certified by the organisation concerned, will be awarded the internship credit.

VII. Transfer of Credits

St. Xavier's College will accept the transfer of credits for one semester from another institution within India (limited to A grade colleges or otherwise of repute) or from a university of repute abroad. The student will be expected to earn as many credits to complete the semester as demanded by the host institution for its own students. St. Xavier's College will transfer the number of credits that it normally has for the semester missed, notwithstanding the number of credits that the host institution grants. Students can go to an Indian institution during the third or fourth semesters. For foreign institutions which begin in August/September, due to the overlapping academic schedules, students can go only for the fourth semester. Only students with a minimum CGPA of 3.0 in the first 3 semesters and a minimum attendance average of 65% would be permitted to avail of this opportunity. To encourage a choice based credit system the student can choose any academic courses at the host institution in addition to at least **two** courses(in the semester pattern) in the subject that s/he is going to major in (or a minimum of **one each** for a double major). The department could also specify the requirement of particular courses for entering into the next semester. Hence a prior clearance, from the Head(s) of Department(s) in which the student hopes to major, of the type of mandatory courses required, will be necessary. The onus of responsibility to cover up any such requirements will rest on the student and the department may prescribe an evaluation at the start of the semester.

RULES UNDER AUTONOMY

Transfer of Credits to the Honours Programme

Students doing short term academic courses in India or abroad can apply to count them as inter-disciplinary transfer credits for the Honours Programme. The CIP can assist in determining whether one or two credits can be given for the foreign programme.

A department can give a summer credit for work done in the subject or can accept work done in other institutions during the summer for Honours Credits.

VIII. Parent Collaboration

Parents are invited to make regular inquiries at the General Office /Departments regarding the attendance and performance of their son / daughter. They may also check the records put up on the website: www.xaviers.edu. The College will attempt to notify the parents of students who have not been granted terms before the commencement of the examinations, by a notice on the Student Notice Board and/or by letter. Parents wishing to discuss the matter with the concerned Vice-Principal or to represent their cases in writing to the Principal should do so immediately. The final list of students who are not eligible for the examinations will be put up on the College Notice Board.

IX. Addendum

Wherever an issue has not been covered by these Autonomy Rules of the College, the University of Mumbai rules and statutes would apply, as long as these latter do not go against the spirit of the College Autonomy arrangements.

QUALITY MECHANISMS

QUALITY MECHANISMS

1. Study Packs: essential readings, drawn from different sources, to cover the syllabus. Guided and critical study of these and encouragement for further reference work.
2. Blooms Taxonomy: Learning Objectives for the Teaching – Learning Process and for Paper Setting.
3. Presentation/Assignment Evaluation Grid: making clear the criteria for assessment.
4. Bar Coding / Masking of Answer Papers before Assessment begins.
5. Moderation of Assessment through External Examiners or Double Blind Evaluation.
6. Feedback to students on their Performance – display of papers (in groups of 10).
7. Photocopy of the Answer Paper and/or Challenge evaluation of the Paper.
8. The attempt at creating knowledge through participative lectures, using the constructionist philosophy of education and not the banking philosophy.
9. The increasing use of ICT in the teaching-learning process, including iPads, Video-Conferencing, Internet Connectivity and the use of LCD presentations in all classrooms.
10. The development of language and soft-skills through the Language Lab, special communication skills courses, presentations as part of CIA and through participation in extra-curricular activities.
11. Regular encouragement for and monitoring of academic performance and class participation.



QUALITY MECHANISMS

12. Interaction with parents for their intervention through parent-teacher meetings and through communication especially through the internet and website.
13. The Honours Programme for the academically better students, consisting of 8 extra credits, earned over the 3 years, including an introduction to research.
14. A 3-credit Cross Faculty course for all students, to encourage inter-disciplinary learning.
15. Fieldtrips and Guest Lectures to make academics more experiential.
16. Summer Internships/Fieldwork/Projects for experience of industry and the corporate world.
17. Yearly Department Khandala Seminars for student presentations.
18. The publication of yearly Department Journals for student articles on a theme.
19. A mandatory Social Involvement Programme to conscientise students to social reality and to provoke the desire of wanting to give back to society.
20. A well-established Counselling Centre for Aptitude Testing and Career guidance for students and Personal Counselling of students and parents.
21. A Placement Cell to give training in the soft skills needed for Applications and Interviews and to facilitate interaction with the corporate world for Internships and Final Placements.
22. Special efforts at Inclusive Education through the XRCVC, disabled-friendly campus, sensitisation of faculty to the needs of slow learners, the Pathways Programme with Ford Foundation, Scholarships for the Disadvantaged through the Student Beneficiary Fund, etc.
23. The Department of Inter-religious Studies to encourage dialogue with and sensitivity to other religious traditions in the world.

QUALITY MECHANISMS

24. Mentoring of students by Faculty, in groups assigned to each of the latter.
25. Regular Faculty Seminars and Workshops to upgrade skills and to evolve better methods and processes of teaching-learning.
26. The encouragement of Research among Faculty and Senior students, including applying for University, State & Central Government and UGC funding for research projects, the presentation of papers at Conferences and serving as Resource Persons in other institutions.
27. The presence of Research Institutes like the Heras, Blatter, NSRL and Caius and good general infrastructure to encourage research.
28. The publication of a yearly Peer-Reviewed Research Journal by the Faculty.
29. International programmes of exposure for Faculty and Students and the admission of foreign students to courses on Campus to increase cultural diversity.
30. Regular student feedback to Faculty on the teaching-learning process through TAQs. New Faculty Orientation, a Faculty Mentor and sit-ins by the Head of Department for new faculty, as helps to settle in.
31. A yearly evaluation of the Academic process by Students and Faculty.
32. Syllabi review by the department Faculty and by External Experts from industry and academia, on a yearly basis.

M. Sc. COURSES - AIDED

POST-GRADUATE - M.Sc. PROGRAMMES UNDER THE AUTONOMOUS SYSTEM IN BOTANY, LIFE SCIENCE, MICROBIOLOGY AND GEOLOGY

Admissions to the above courses will begin only after the declaration of the B.Sc. Degree results of the University of Mumbai sometime in the second or third week of June.

The College has introduced an **ONLINE** application system for the above mentioned First Year post-graduate M.Sc. Part-I courses. **All candidates applying for admission are expected to apply through the online application system on the homepage of the website www.xaviers.edu.**

The Online Application fee of Rs. 250/- is to be paid by demand draft in favour of “St. Xavier’s College, Mumbai” payable in Mumbai.

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

Eligibility Certificate:

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

Total No. of Seats – **20** seats each for **Botany, Life Science, Microbiology and Geology.**

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier’s College - Autonomous:

M.Sc. Part I	:	Rs.14,496/- (approx)
M.Sc. Part II	:	Rs.12,913/- “

M. Sc. COURSES - AIDED

Reservation of Seats: (As per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005.)

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50%	43% : (On the balance seats of 85%)
	General Category - 25%	21% : (On the balance seats of 85%)
	Reserved Category : (SC/ST/DT(A) / NT(B) /NT(C) /NT(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%)

** Special category i.e. for Wards of transferred State/Central Government and Private Sector employees, Defence Personnel, Ex-Servicemen, Freedom fighters and students who have met with an accident and also for award winners at the District/State/National Level in Sports or Cultural activities.

Students passing the B.Sc. Degree from other Universities i.e. other than Mumbai University are required to apply for a Provisional Eligibility Certificate issued by the University of Mumbai through the College at the time of admission. The duly filled-in application form available at the College Office should be submitted with an attested copy of the B.Sc. Degree Marksheet, along with the prescribed fees, to the college office.

D) M.Sc. DEGREE COURSE IN BOTANY

INTRODUCTION:

Botany is a discipline of the Biological Sciences and specifically the Science of Plant Life. The field of Botany covers a wide range of scientific disciplines including structure, growth, reproduction, physiology, metabolism, development, diseases, chemical properties, classification and evolutionary relationships among the taxonomic groups of plants. Botany began with early human efforts to identify edible, medicinal and poisonous plants, making it one of the oldest branches of science. The study of plants is vital because they are a fundamental part of life on Earth, and generate the oxygen and food that allow humans and other organisms to exist.

India is rich in Biodiversity of plants and other biological organisms. It is a source of our food, medicine and many other requirements of life.

M. Sc. COURSES - AIDED

Biodiversity is one of the important areas to be studied and understood. In order to cater to this need, the Botany Department of St. Xavier's College (Autonomous) offers the M.Sc. degree in Botany under its Autonomous system which allows us to design our own syllabi and our own evaluation system. The degree is awarded by the University of Mumbai.

Eligibility criteria:

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

The List Of Courses / Specializations:

St. Xavier's College (Autonomous), Mumbai offers the M.Sc. Degree in Botany in two specializations, namely – Angiosperm Taxonomy and Plant Physiology. Students may indicate their preference of specialization in the admission form.

MSc Part I : Semester I

- MS.BOT.1.01 Plant Diversity – 1: Algae & Fungi
- MS.BOT.1.02 Plant Diversity – 2: Gymnosperms & Angiosperms
- MS.BOT.1.03 Plant Physiology
- MS.BOT.1.04 Cytogenetics, Molecular Biology & Biotechnology

MSc Part I : Semester II

- MS.BOT.2.01 Plant Diversity -III: Bryophytes & Pteridophytes
- MS.BOT.2.02 Plant Anatomy, Embryology and Palynology
- MS.BOT.2.03 Plant Physiology and Ecology
- MS.BOT.2.04 Medicinal Botany

MSc Part II : Semester III

- MS.BOT.3.01 Biostatistics, Bioinformatics & Nanotechnology
- MS.BOT.3.02 Plant Pathology
- MS.BOT.3.03 Horticulture
- MS.BOT.3.04 Angiosperms – Evolution
- MS.BOT.3.05 Plant Biochemistry – II

MSc Part II : Semester IV

- MS.BOT.4.01 Techniques and Instrumentation

M. Sc. COURSES - AIDED

MS.BOT.4.02	Angiosperm Diversity
MS.BOT.4.03	Angiosperms
MS.BOT.4.04	Angiosperms
MS.BOT.4.05	Plant Physiology – II
MS.BOT.4.06	Plant Biochemistry – III
MS.BOT.4.07	Plant Physiology – III

Schemes of Evaluation:

Each course - End Semester Exam 60% + Internal Assessment 40%. A research project in the Semester IV will be a compulsory requirement.

Duration: Four Semesters

Facilities in the Department:

The Botany Department of St. Xavier's College is the only department in the entire Mumbai University having the Blatter Herbarium with its collection of 200,000 herbarium specimens which includes a major collection of Angiosperm. In addition it also holds a collection of algae, fungi and Gymnosperms. The Herbarium also has a well stocked attached library having 5000 volumes of Angiosperm Taxonomy related books, and various national and international research journals. The department also offers the Ph.D. programme in Angiosperm Taxonomy and Plant Physiology.

We have two newly developed, well equipped, multimedia enabled dedicated postgraduate labs for the M.Sc. Programme. A central Instrumentation facility (CIF Lab) provides access to a number of advanced and newly acquired instruments required for practicals.

Other Activities of for this programme:

The Course is aimed at training the PG students for research. Students have to give regular seminars in the subject. Field trips accompanied by qualified and experienced teachers along with PhD students are an integral part of this programme.

II) M.Sc. DEGREE COURSE IN LIFE SCIENCE:

INTRODUCTION:

The department of Life Sciences & Biochemistry offers two post graduate programmes:

M. Sc. COURSES - AIDED

MSc. (By Papers) in Applied Medical Science –

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 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, over a two year period, to several fields such as Cell Biology, Physiology, Genetics, Immunology, Microbiology etc in mainstream biology and allied fields such as Biochemistry, Biostatistics, Pharmacology, Forensics etc. This allows students to make more informed choices when planning a career.

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

In addition, the college is considering the option of permitting students to complete one semester in a Foreign University (from a list provided by the college) and transfer the credits accrued into our programme. This will provide an exposure to an alternate and global educational system for a meaningful period adding merit and invaluable experience.

MSc. (By Research) in Life Science

There are two research guides for a PG programme in the department. Interested candidates may approach the department for further details.

Eligibility criteria:

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

Graduates in any of the above-mentioned disciplines from another Indian University are eligible, but will have to submit a provisional eligibility certificate.

M. Sc. COURSES - AIDED

Process of Selection: Applicants will have to appear for an entrance test which will be in the MCQ format Selection will be on the basis of the TYBSc marks/grades + entrance test scores + interview.

List of Courses:

MSc Part I : Semester I

- MS.LSC.1.01 Cell Biology
- MS.LSC.1.02 Human Physiology
- MS.LSC.1.03 Biochemistry
- MS.LSC.1.04 Basic Mathematics and Biostatistics

MSc Part I : Semester II

- MS.LSC.2.01 Genetics and Evolution
- MS.LSC.2.02 Scientific Communication, Research Methodology, IPR & Entrepreneurship
- MS.LSC.2.03 Immunology
- MS.LSC.2.04 Analytical techniques

MSc Part II : Semester III

- M.LSC.3.01 Human Genetics
- M.LSC.3.02 Molecular Biology & Recombinant DNA Technology
- M.LSC.3.03 Microbial Diseases
- M.LSC.3.04 Lab Management and Routine Diagnostics

MSc Part II : Semester IV

- M.LSC.4.01 Human disorders
- M.LSC.4.02 Pharmacology and Neutraceuticals
- M.LSC.4.03 Clinical Microbiology & Public Health
- M.LSC.4.04 Advances in Biological Research and Medicine

Scheme of Evaluation:

Internal 40%: Two internal tests each for 20% of the total marks
Tests/Quizzes/MCQs/Assignments/Essays/Case studies/ Presentations/
Projects/Surveys

External 60%: One Examination for 2 hours at the end of each semester

Facilities in the Department:

M. Sc. COURSES - AIDED

The department of Life Science is recognized by the University of Mumbai for MSc (by research) and PhD, with research guides for both.

Hence all Equipment and requirements for MSc (by papers) are available.

Other activities for this course:

Seminars & Presentations
Research Project
Internship / Industrial Visit

III) M.Sc. DEGREE COURSE IN MICROBIOLOGY:

INTRODUCTION:

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, genomics.

Today with the discipline of Microbiology poised to solve many challenges (in health, energy, environment etc) facing mankind, the Department of Microbiology, St. Xavier's College, the oldest Microbiology Department in the country (eighty years old), offers a two years Master's Programme in Microbiology affiliated to the University of Mumbai. As St. Xavier's College enjoys academic autonomy, the MSc is an autonomous programme structured as a four semester credit based system with continuous internal assessment and end semester evaluations with an intake of 20 students per year.

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.

Eligibility criteria:

As per University of Mumbai norms.

The B.Sc. degree examination of Mumbai University or degree of any other university recognized as equivalent thereto in Microbiology.

M. Sc. COURSES - AIDED

List of courses:

Semester 1

Four Theory courses (100 marks each) and four practical courses (50 marks each)

MS.MIC.1.01: Virology and Cell biology

MS.MIC.1.02: Genetics

MS.MIC.1.03: Microbial Biochemistry I

MS.MIC.1.04: Immunology

Semester 2

Four Theory courses (100 marks each) and four practical courses (50 marks each)

MS.MIC.2.01: Cell biology

MS.MIC.2.02: Microbial Genetics and Bioinformatics

MS.MIC.2.03: Microbial Biochemistry II

MS.MIC.2.04: Medical Microbiology

Semester 3

Four Theory courses (100 marks each) and external project (200 marks)

MS.MIC.3.01: Tools and techniques: Research methodology and Biostatistics

MS.MIC.3.02: Tools and techniques: Biomolecular analysis

MS.MIC.3.03: Food and Pharmaceutical Microbiology I

MS.MIC.3.04: Advances in Biotechnology I

In this semester, students have to do a research project for a period of 3 months at various research centers/ National Institutes like BARC, NIRRH, TIFR, NCL, ACTREC, NIO etc

Semester 4:

Four Theory courses (100 marks each), internal group project (100 marks) and 2 Practical courses

(50 marks each)

MS.MIC.4.01: Applied and Environmental Microbiology

MS.MIC.4.02: Applied and Environmental Monitoring and Management

MS.MIC.4.03: Food and Pharmaceutical Microbiology -II

MS.MIC.4.04: Advances in Biotechnology -II

Scheme of Examination

Theory Courses: 2 Continuous Internal Assessment and 1 End semester evaluation per course per semester.

Practical Courses: 1 Continuous Internal Assessment and 1 End semester evaluation per course per semester.

M. Sc. COURSES - AIDED

Evaluation of the semester 3 project is based on the dissertation submitted, a presentation and *viva-voce*.

Similarly, evaluation of the semester 4 project is based on the dissertation submitted, a presentation and *viva-voce*.

Other features of the Department:

Facilities:

The Department is well equipped for teaching Modern Microbiology. We also have a research laboratory 'Palacios Research Lab' and a Common Instrumentation Facility with sophisticated instruments to carry out teaching, as well as research, in the biological sciences, and an in-house library.

Co-curricular Activities

Annual Khandala Seminar, Industrial visits

IV) M.Sc. DEGREE COURSE IN GEOLOGY:

Eligibility criteria:

Graduates with a degree from a UGC recognised University/College with major subject as Geology (6 units in geology at the T.Y. B.Sc) can apply. Graduates from colleges affiliated to other Universities (other than Mumbai) will need the eligibility certificate from the University of Mumbai.

List of Courses:

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

- Stratigraphy and Geology of India
- Geochemistry
- Structural Geology
- Mineralogy : Descriptive and Optical
- Remote Sensing and GIS
- Igneous Petrology
- Metamorphic Petrology
- Sedimentary Petrology
- General and Invertebrate Paleontology

M. Sc. COURSES - AIDED

- Hydrogeology
- Geophysics
- Coal and Petroleum Geology
- Micropaleontology and Oceanography
- Environmental and Engineering Geology
- Economic Geology
- Practical Course: Pertinent to the above mentioned theory courses
- Dissertation

Scheme of Evaluation:

The post graduate program in geology will carry a weightage of 96 credits

M. Sc I, II and III Semester Credit distribution

Subject	Subject Course 1,2,3 and 4 theory	Subject Course 1,2,3 and 4 Practical	Total
Lecture per week	16	16	32
Credits	16	08	24

M. Sc IV Semester Credit distribution

Subject	Subject Course 1,2 and 3 theory	Subject Course 1,2 and 3 Practical	Dissertation*	Total
Lecture per week	12	12	08	32
Credits	12	06	06	24

Every theory course is 4 credits and practical of 2 credits each.

*The Dissertation comprises of 6 credits. The Dissertation entails field work, lab work, report, presentation and viva.

Evaluation:

Theory and Practical Courses:

Continuous Internal Assessment - 40 %

End Semester Examination – 60 %

Facilities in the Department:

Apart from the standard laboratory equipment required for experiments and investigations in Earth Sciences, the Department has research grade petrological microscopes and recently procured new student

M. Sc. COURSES - AIDED

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 have been exclusively procured for ore-microscopy studies. For sedimentology work, a sieve shaker with standard set of sieves and good binocular zoom microscopes are available. Ground water exploration work is done using the Electrical Resistivity and Sounding system. The department has licensed software for the GIS and Remote Sensing work. Modern surveying equipment such as GPS, Theodolite, Auto Level along with all accessories is available for detailed field mapping.

The Department was recently gifted a portable Radiation counter (Geiger Muller Counter) and a portable short wave UV lamp for mineral exploration. Facilities for wet and dry chemical analysis of rocks and standard equipment for measuring load bearing capacity of rocks (unconfined compressive strength) is available. Over the span of more than 90 years, the Department has established 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 also in print along with digital satellite imageries of large parts of the country.

The centralised library facility has been upgraded with 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 .

Other Activities for this course:

Field work is a mandatory component of the program and is an integral part of the credits. Learners are also encouraged to participate in summer and winter internships, for which, help is provided by the Department.

M.A. COURSES - AIDED

I) M.A. IN ANCIENT INDIAN HISTORY, CULTURE AND ARCHAEOLOGY

In an endeavor to further the holistic understanding of Ancient Indian Culture in all its parameters, this course provides a sound grounding in understanding the various vistas of our history and culture. It helps in promoting the conservation of our heritage and also helps in heritage management. It opens the door to opportunities in the streams of Archaeology, Museology, Conservation, Social Sciences and Humanities.

Aims and Objectives:

1. Study of the Cultural History of India.
2. Understanding various phases in and the process of the evolution of Indian Culture.
3. Review of the Theoretical framework in which Indian Culture has been understood by scholars.
4. Creating awareness about the theoretical foundation of Indian Archaeology.
5. Teaching the basics of Field Archaeology.
6. Understanding vast variation in Archaeological data in the context of Indian Culture and History.
7. Reviewing the Methods of interpretation of Archaeological data and analyses.
8. Understanding the importance of Indian art and architecture,
9. Understanding the concept of conservation through our tangible and intangible heritage
10. Practical experience through field trips, practical, workshops etc.
11. Creating awareness about the theoretical foundations of Museology.
12. Understanding the various functions and scope of the Museum.
13. To develop a strong corps of research scholars who are equipped with the requisite skill and knowledge base about recent advances in the field of Buddhist Studies.
14. To offer the curriculum in a manner that enhances creative, conceptual and analytical abilities in the student
15. To encourage an approach that facilitates meaningful interaction between academics and society.

M.A. COURSES - AIDED

Eligibility Certificate:

Students passing the Undergraduate Degree from Universities other than Mumbai University and seeking admissions to First Year M.A. Courses are required to apply for a **Provisional Eligibility Certificate** through the College at the time of admission. The application form, available at the College Office, duly filled in should be submitted with an attested copy of the Undergraduate Degree marksheet and a passport size photograph along with the prescribed fees of Rs.320/- (& Rs.500/- for verification of documents) to the College Office. Once admission is granted, for confirmation of the eligibility, students should submit to the College Office, before the close of the First Semester, the Statement of Marks, the Passing Certificate and the Migration Certificate all in originals.

SEATS AVAILABLE- 60

Reservation of Seats: (As per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005.)

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50%	43% : (On the balance seats of 85%)
	General Category - 25%	21% : (On the balance seats of 85%)
	Reserved Category : (SC/ST/DT(A) / NT(B) /NT(C) /NT(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%)

ELIGIBILITY:

1. Students with a bachelor's degree in any faculty or discipline, with a minimum of 50% marks can apply for this course.
2. Students from the other faculties other than the Arts Faculty will have to appear for an entrance exam and an interview.
3. Students from other universities will require their transfer certificate and will have to apply for a provisional eligibility certificate from the University of Mumbai.
4. Please get your original marksheets before taking admission.

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier's College - Autonomous:

M.A. Part I	:	Rs.7,700/- (approx)
M.A. Part II	:	Rs.6,535/- "

M.A. COURSES - AIDED

Syllabus:

Semester I

- P.GA.A1.01 Ancient India through Ages Part: I (CORE PAPER)
P.GA.A1.02 Studies in Indian archaeology (CORE PAPER)
P.GA.A1.31 Social institutions in ancient India (ELECTIVE PAPER)
P.GA.A1.32 Epigraphy and Numismatics (ELECTIVE PAPER)
P.GA.A1.41 History of performing arts and theatre in India (ELECTIVE PAPER)
P.GA.A1.42 Political institutions in ancient India (ELECTIVE PAPER)

Semester II

- P.GA.A2.01 Ancient India through Ages Part: II
P.GA.A2.02 Facets of Indian art and architecture
P.GA.A2.03 Buddhist Studies
P.GA.A2.04 Maritime heritage of ancient India.

Semester III

- P.GA.A3.01 Religio-Philosophical thoughts in ancient India
P.GA.A3.02 Studies in Indian iconography, paintings and temple architecture.
P.GA.A3.03 Studies in conservation of intangible and tangible heritage.
P.GA.A3.04 Introduction to Pali language.

Semester IV

- P.GA.A4.01 Studies in Museology
P.GA.A4.02 A Brief History of World Civilization
P.GA.A4.03 Pali Language Part II
P.GA.A4.04 Research methodology

Pattern of Evaluation:

Two units of Continuous Internal Assessment (CIA) = 40% and an End Semester Exam (ESE) = 60%.

Internal Assessment: 40 Marks:

20 marks: A class test.

20 Marks: Home Assignment, Class test, Project Report, Oral Exam (for Language Papers), Field Visit Report, Paper Presentation, etc.

M.A. COURSES - AIDED

End Semester Exam: 60 Marks

(There will be four questions in each question paper which will be based on the semester syllabus. All Questions are Compulsory. Each Question will be given the internal option. All questions will carry equal marks.)

Q1: Based on Unit 1. 15 Marks

Q2: Based on Unit 2. 15 Marks

Q3: Based on Unit 3. 15 Marks

Q4: Based on Unit 4. 15 Marks

Semester IV PG.A.A4.04 Research methodology: A Research thesis will have to be submitted under the guidance of a research guide for 80 marks.

SELF-FINANCING COURSES

SELF-FINANCING COURSES UNDER THE UNIVERSITY OF MUMBAI:

I. POSTGRADUATE COURSE IN BIOTECHNOLOGY (M.Sc.):

Genetic engineering has revolutionised biotechnology in the past three decades. India has witnessed a rapid growth in the biotechnology sector with a prominent presence in Recombinant Vaccines, Biosimilars and Transgenic Cotton. With numerous comparative advantages in terms of research development (R &D) facilities, knowledge, skills and cost effectiveness, the biotechnology industry in India has immense potential to emerge as a global key player. In the recent past, there has been a considerable investment and input, in manpower development, in biotechnology R &D and in the Biotech industry.

To cater to this increasing need for trained professionals, St. Xavier's College began the MSc- Biotechnology programme affiliated to the University of Mumbai from the academic year 2007-08. In June 2010, St Xavier's College was granted academic autonomy and the MSc - Biotechnology programme came under the umbrella of academic autonomy from the academic year 2012-13. The Masters degree will be awarded by the University of Mumbai.

We have a two year M. Sc. Biotechnology degree programme with an intake of **30 students** per year. The programme is structured as a 4-semester credit based system with Continuous Internal Assessment and End semester evaluations.

Selection Process

Admission to the course will be purely merit based in accordance with the marks obtained in Biotechnology at the T. Y. B. Sc examination.

Applications for the course will be done Online.

Reservation of Seats: (As per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005.)

Sr. No.	Category	Percentage of Seats
	TOTAL SEATS	100%
1.	Management Quota	15% : Only for those the College is obliged to
	BALANCE SEATS	85%
2.	Christian Minority - 50%	43% : (On the balance seats of 85%)
	General Category - 25%	21% : (On the balance seats of 85%)

SELF-FINANCING COURSES

Reserved Category : (SC/ST/DT(A) / NT(B) / NT(C) / NT(D)/OBC/SBC) Visually/Physically Challenged and **Special Category	21% : (On the balance seats of 85%)
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** Special category i.e. for Wards of transferred State/Central Government and Private Sector employees, Defence Personnel, Ex-Servicemen, Freedom fighters and students who have met with an accident and also for award winners at the District/State/National Level in Sports or Cultural activities.

Eligibility:

B.Sc. Biotechnology (Three year integrated course) degree examination of Mumbai University or any other University recognized as equivalent thereto, with at least six units in Biotechnology (i.e. minimum required for majoring in the subject)

OR

With three units in Biotechnology at the T.Y.B.Sc in combination with three units of any other major subject at the T.Y.B.Sc

List of Courses:

Semester 1 - 4 Theory courses (100 marks each) and corresponding Practical courses (50 marks each)

MS. BTS. 1.01: Biochemistry

MS. BTS. 1.02: Immunology

MS. BTS. 1.03 Genomes and Transcriptomes

MS. BTS. 1.04: Biophysics

Semester 2 - 4 Theory courses (100 marks each) and corresponding Practical courses (50 marks each)

MS. BTS. 2.01: Metabolomics

MS. BTS. 2.02: Clinical Immunology

MS. BTS. 2.03: Genomics and Molecular Biology

MS. BTS. 2.04: Advanced Analytical Techniques

Semester 3- 4 Theory courses (100 marks each) and corresponding Practical courses (50 marks each)

Ms. BTS. 3.01: Biostatistics and Bioinformatics

MS. BTS. 3.02 Cell Culture and its Applications

MS. BTS. 3.03 Bioprocess Technology and Nanotechnology

MS. BTS. 3.04 Applications of Medical Biotechnology

Semester 4- 4 Theory courses (100 marks each) and Research Project (6 months- 200 marks each)

SELF-FINANCING COURSES

MS. BTS. 4.01 Medical Biotechnology and applications of developmental biology

MS. BTS. 4.02 Cellular Engineering and its applications

MS. BTS. 4.03 Drug design and discovery

MS. BTS. 4.04 Entrepreneurship and Research Methodology

In Semester 4, the students have to do a **research project for a period of 5 months** at various research centres /National institutes like BARC, NIRRH, TIFR, NCL Pune, ACTREC, NIO Goa and others. The project is evaluated on the basis of the dissertation submitted, a presentation and *viva-voce*.

Scheme of Assessment

Theory Courses: 2 Continuous Internal Assessment and 1 End semester evaluation per course per semester.

Practical Courses: 1 Continuous Internal Assessment and 1 End semester evaluation per course per semester.

Evaluation of the semester 4 project is based on the dissertation submitted, a presentation and *viva-voce*.

Fees:

The total fees, including deposit and laboratory fees, as sanctioned by the management board, St. Xavier's College - Autonomous:

M.Sc. Part I	:	Rs.55,806/- (approx)
M.Sc. Part II	:	Rs.51,039/- “

Other features of the Department:

Facilities:

The Department is well equipped for teaching Modern Biology. We also have a Common Instrumentation Facility with sophisticated instruments to carry out teaching, as well as research, in the biological sciences. The Department has an independent Bioinformatics Lab for the students and an in-house Library facility.

Extracurricular activities:

Students organise “Palindrome”, an annual intercollegiate fest and the publishing of the annual magazine of the department, also known as Palindrome.

Every year an industrial visit is organised, for the Semester I students, to different biotechnology-related industries in different parts of India.

Students are also taken to St Xavier's Villa at Khandala – our Human Development Resource Centre, for their annual seminar, where they present research papers on various aspects of current trends in Biotechnology.

SELF-FINANCING COURSES

II) MASTERS IN PUBLIC POLICY

STATEMENT OF PURPOSE

Public Policy, an integral aspect of governance, touches all aspects of life. This makes it necessary for the academic world to engage with public policy to understand it, critically analyze it and thus ensure efficient governance and a just society. Currently in India, there is an acute dearth of post-graduate degree courses in public policy. It is in view of this lacuna that St. Xavier's College, Mumbai, an autonomous college affiliated to University of Mumbai launched the Master in Public Policy (MPP) Course in 2013. This two-year course is completely multi-disciplinary covering subjects like sociology, politics, economics, law, history, philosophy and ethics and even the natural sciences.

Some of the objectives of the MPP are:

1. To develop the skills to objectively analyze policy content and outcomes.
2. To gain in both quantitative and qualitative policy problem solving skills.
3. To expose students to actual outcomes and dynamics of public policy through internships.
4. To train students in policy advocacy.
5. To tailor electives that will allow student to specialize in policies connected to health, gender, environment, urban and rural development, media and so on.

Our first set of Post-Graduate students would be completing the MPP course by June 2015. During their internships (May 2013 to end June 2013) these students worked with various organisations such as: NABARD, EPW Research Foundation, 3.2.1. Education Foundation, Environment Policy and Research India, Centre for Civil Society, PRS Legislative Research, India Spend, Mumbai Votes, Mumbai Mobile Creches, Action for Agricultural Renewal of Farmers in Maharashtra, Jameel Poverty Action Lab in collaboration with the Maharashtra Pollution Control Board, et al.

Some of the internships generated outcomes that have been acknowledged by collateral agencies:

- The Thane Municipal Corporation has shown interest in the suggestions of one of our students on Solid Waste Management.
- Another student's recommendations presented to the State Election Commissioner (in December 2014) will take the form of a white paper to be sent to the Chief Minister of Maharashtra.

SELF-FINANCING COURSES

- Yet another student has been called for an internship interview with the RBI during summer 2015.

COURSE FEES: Rs. 60,000 p.a. (payable in three installments)

LECTURES TIMINGS: Evenings (5 pm to 8 pm); 2 lectures per day, on all working days of the week.

SEATS AVAILABLE: 30

Allocation of seats:

The College is a Catholic Minority College, administered under the Provisions of the Indian Constitution, to promote the welfare of the minority community and to extend its services to all other communities in India, so as to contribute to the harmony and integration of Indian society. 50% of seats are reserved for Catholic minority students. The reservation of seats (as per the directives given in the University of Mumbai Circular No.Spl.Cell/(68)/218/2005 dated 3rd June, 2005) is given below:

TARGET GROUPS / SELECTION PROCESS:

Number of Seats: 30

Along with civil servants and those in the non-governmental organisations who wish to hone their skills, this course would be relevant to graduates who:

1. Aspire to teach and / or undertake research in public policy
2. Intend to join government departments/public service.
3. Desire to work in corporate, industrial and media entities
4. Want to work with policy research centres (national and global) and think-tank groups.

Note: Lectures will be held in the evenings (5 pm to 8 pm); 2 lectures per day – Monday to Saturday.

SELF-FINANCING COURSES

COURSE LAYOUT:

Semester I (Mid-July to Mid-Dec)

Core Courses:

1. Public Policy Analysis
2. Dynamics Of Public Policy
3. Economic Analysis and Public Policy
4. Research Methodology

Semester II (Jan to June)

Core Courses:

1. Law and Public Policy
2. Statistical Methods For Policy Analysis

ANY TWO Electives from:

1. Environment and Public Policy
2. Gender and Public Policy
3. Health and Public Policy

Semester III (July to Mid-Dec)

Core Courses:

1. Bureaucracy and Civil Society
2. Ethics and Public Policy

ANY TWO Electives from:

1. Urban Planning Policy
2. Rural Development Policy
3. Media and Public Policy

Semester IV (Jan to June)

Core Courses:

1. Social Protection and Public Policy
2. International Economics and Public Policy
3. Dissertation Writing

ANY ONE Elective from:

1. Micro Finance Policy
2. Foreign Policy

SCHEME OF EVALUATION:

Each semester has: Two CIAs (20 marks each); and One End Semester Exam (60 Marks)

SELF-FINANCING COURSES

Note: Compulsory Internship between the 2nd and 3rd Semesters. Students work with organizations connected with various aspects of public policy.

FACILITIES IN THE DEPARTMENT:

- All the Library facilities at St. Xavier's College would be available.
- Relevant films/documentaries would be available for borrowing from the Library.
- Internship contacts would be facilitated.

COURSE FEES PER YEAR: Rs. 60,000

SELECTION PROCESS:

The College has introduced an **ONLINE** application system for admissions to the MPP. All candidates applying for admission to St. Xavier's College - Autonomous are expected to apply through the online application system on the homepage of the website www.xaviers.edu which will be activated in **March 2015** till one week after the declaration of the BA results by the Mumbai University.

Candidates can apply from March 2015. Provisional admission could be offered after a formal interview with the Head of Department; but, such admissions would be finalized only on the presentation of the Degree's result by the candidates.

Admissions are made on the basis of the overall percentage of marks at the qualifying examination and personal interview with the Head of the Department. 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 students coming from Foreign Universities.

The Last date for submission of online application forms for admission to the College and dates for interviews and for display of merit lists will be put up on "homepage" of our website www.xaviers.edu.

At the time of admissions the candidate must submit the Degree Marksheets in original and two attested copies of the same and one attested copy of other relevant documents as mentioned below:

- a) Degree Marksheets – (Original + 2 attested copies)
- b) Baptism Certificate (For the Minority community - Christians)
- c) Caste Certificate (for reserved category)
- d) Documentary Evidence regarding special category.

SELF-FINANCING COURSES

ELIGIBILITY CERTIFICATE:

1. **Provisional Eligibility Certificate:**
Students passing the Degree Examinations other than Mumbai University or from a Foreign University have to apply for a Provisional Eligibility Certificate issued by the University of Mumbai at the time of admission through the College. The duly filled in forms are required to be returned to the College with an attested copy of the Degree marksheet and a passport size photograph along with a prescribed fee of Rs.320/- for eligibility and Rs.500/- (towards verification of documents) total Rs.820/-. The other documents that have to be handed in are: Degree Marksheet (original), Pass Certificate (original) and Migration Certificate (original). The duly filled in application form will then be forwarded to the University of Mumbai for issue of the Provisional Eligibility Certificate.
2. Students passing the 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.

COLLEGE CERTIFIED SELF-FINANCING COURSES

COLLEGE CERTIFIED SELF FINANCING COURSES

1) POST GRADUATE DIPLOMA IN COUNSELLING PSYCHOLOGY:

The Institute of Counselling Psychology under St. Xavier's College-Autonomous is pleased to offer this Course to address the need for well trained counselors who can effectively tackle the increasing stress-related problems visible in our society.

- This Practicum-based P.G. Diploma consists of 7 Courses (3 credits each) covered in 3 trimesters beginning in July 2014 with breaks for Diwali and Christmas and ending in March. Lecture sessions will be held on Mondays, Wednesdays and Fridays from 5.00 p.m. to 8.00 p.m. at St. Xavier's College campus.

The course requires regular attendance, class participation, study of course material and submission of assignments.

- There is a supervised practicum in career counseling in the month of April. Career/Psychometric tests are conducted from 8.00 a.m. to 12.30 p.m. on two days and the results are given out on the third day. Counsellors (Students) are requested to be at the XICP for the practicum 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. Attendance for the practicum is compulsory. Students are encouraged to take on clients while the course is on and discuss their cases in class. It is mandatory for students to go through personal counseling themselves while they are doing the course. Students are required to work for a minimum of 10 hours at any Old Age or Geriatric Care Home.
- Eligibility: Those with a Masters Degree in Psychology, Social Work or Human Development are welcome to apply. Special Educators are also eligible.
Number of Seats : 25
Applications are invited through a form on the College website.

COLLEGE CERTIFIED SELF-FINANCING COURSES

2) DIPLOMA IN FORENSIC SCIENCE AND CRIMINAL LAW

Conducted by: Dept. of Zoology and Forensic Science, St. Xavier's College, Mumbai

About the Program: The course has been designed by eminent lawyer Mr. Shrikant Bhat (Senior Advocate and Ex- Public Prosecutor) and by Ms. Riva Pocha and Ms. Sejal Gupta from FACTS, a private forensic consultancy firm, for implementation in St. Xavier's College, Mumbai. This course has been created as an introduction and orientation to the functioning of the Indian Criminal Justice system for all interested professionals from the Police and from the fields of Security, Legal, Management, Media and Sociology, as well as any citizen and student keen to learn more about forensic science and the law.

Course Content: Includes Introduction to Crime Scenes; Processing of Forensic Evidence; Forensic Biology and Human Forensics; Medico-legal Investigations; Document Analysis; Cyber Crime Investigation; The Indian Penal Code; Making of Laws; Gender Justice; Media and the Law; Research methodology and the Law

Duration: One academic year, Part Time.

Timings: Classes held twice a week (Tentatively Tuesday and Friday evenings)

Fees Structure: Rs. 24,200 (including registration)

Classes start: First week of July 2015

Pre-registration forms available online: at www.xaviers.edu (under College – Run Courses)

For more information, contact: Dr. Pushpa Sinkar (98203-84648, pushpa.sinkar@xaviers.edu); Riva Pocha (98210-40421, riva.pocha@xaviers.edu); Sejal Gupta (98209-49850)

COLLEGE CERTIFIED SELF-FINANCING COURSES

3) DIPLOMA IN GEMMOLOGY

The Gemmology course has been specifically designed for anyone who may be interested in the study of gems and minerals. This three months 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 too.

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 one a more confident buyer.

DURATION & TIMINGS:

The duration of the evening course is 3 months and classes are held from Monday to Friday for 1½ hour duration. The fees are Rs. 39,326 and date of commencement is end June.

4) CERTIFICATE COURSE IN PRACTICAL GEM APPRECIATION AND IDENTIFICATION

This 20-hour, one month (evening) certificate course is designed to widen the knowledge of anyone interested in gemstones. It is particularly recommended for the consumer who wishes to make informed decisions when purchasing fine gemstones. It stresses the "how to" of gem identification. Learning basic instrumentation will show you how a gemologist can distinguish between natural, synthetic and imitation gems. Gem testing instruments are provided, but students should have their own pocket instruments (loupe, tweezers).

DURATION & TIMINGS:

One month (evening) certificate course. The fees are Rs. 11,236

COLLEGE CERTIFIED SELF-FINANCING COURSES

5) Diploma Course in CLINICAL RESEARCH:

This course is targeted towards candidates interested in joining the clinical research industry as Clinical Research Assistants / Associates (CRAs).

Curriculum : The curriculum is focused on providing basic and practical knowledge on clinical research & the regulations governing it, coupled with exposure to case studies and good communication & organizational skills required to conduct clinical research.

The curriculum is primarily focused on:

- Fundamentals of ICH GCP & Ethical Guidelines governing Clinical Research.
- Clinical Research Regulations
- Drug Development Process
- Clinical Study Start-up Activities
- Clinical Study Monitoring
- Clinical Study Management and Tracking
- Clinical Study Close-out
- Quality Assurance
- Pharmacovigilance

The Course will also cover basics of:

- Data Management and Statistics involved in Clinical Research
- Role of Information Technology in clinical research, including the use of e-CRFs
- Inter-personal skills & communication skills

Lectures will be conducted by prominent industry professionals, particularly from multinational Pharmaceutical companies and Clinical Research Organizations and will be followed by case studies, group discussions and workshops.

Course eligibility:

- Students with a minimum of a bachelor's degree in any biological science will be eligible to apply for the course, however students with a master's degree will be given preference.
- A maximum of 30 students will be selected for each batch, based on their academic background and a screening interview.

COLLEGE CERTIFIED SELF-FINANCING COURSES

Structure & evaluation:

The course will be conducted at the St. Xavier's College campus and will comprise of coursework of 4 hours on Saturdays (2 pm to 6 pm) and 6 hours on Sundays (9.00 a.m. to 3.00 p.m.) for 24 weeks. During the course, students are expected to complete 4-6 hours of assignments every week. At the end of the course, a written assignment test will be administered to the students.

All students from each batch will be recommended for internship positions to the clinical research industry for a period of 4 months. At the end of the internship, each student will be asked to submit a report and make a presentation to the group. Evaluation will be made based on the written test and the presentation, judged for its content & delivery.

Course Fees:

- **Total : Rs. 70,000/- consolidated** (This includes tuition fees, course materials & handouts, refreshments during lectures, video conferencing as applicable, and lecture room facilities)

FACULTY

FACULTY OF ARTS

- * Recognised by the University of Mumbai for Post-Graduate teaching at M.A., M.Sc.
+ and as research guides for Ph.D.
@ Honorary

DEPARTMENT OF ANCIENT INDIAN CULTURE

- + * Ms. Anita Rane-Kothare, M.A. Dip. Pali. Ph.D. Assoc. Prof. & Head of the Dept.
* Ms. Radha Kumar, M.A., Ph.D. Assoc. Prof.

DEPARTMENT OF COMMERCE

- Ms. Anvita Raghuvanshi, M.Com., Ph.D. Asst. Prof.
Mr. Sanjiv P. Jhaveri, M.Com., F.C.A. Asst. Prof. (Part-time)

DEPARTMENT OF ECONOMICS

- * Ms. Aditi P. Sawant, M.A., Ph.D. Asst. Prof. & Head of Dept.
Mr. Baptist A. Menezes, M.A., Ph.D. Assoc. Prof.
Ms. Manali Pawar, M.A. Asst. Prof.
Ms. Aparna Kulkarni, M.A. Asst. Prof.

DEPARTMENT OF ENGLISH

- Ms. Pearl N. Pastakia, M.A., M.Phil. Assoc. Prof. & Head of Dept.
Ms. Rashmi Lee George, M.A. Asst. Prof. (On leave)
Ms. Prasita Mukherjee, M.A., Ph.D. Asst. Prof.
Ms. Sana Ahmed, M.A. Asst. Prof.

DEPARTMENT OF FRENCH

- Ms. Alpana. Palkhiwale, M.A. Asst. Prof. & Prof.-In-Charge

DEPARTMENT OF HINDI

- + * Ms. Asha Naithani Dayama, M.A., Ph.D., D.H.E. Assoc. Prof. & Prof.-in-Charge

DEPARTMENT OF HISTORY

- * Ms. Fleur D'Souza, M.A., B.Ed., Ph.D. Assoc. Prof. & Head of Dept.
* Mr. Avkash D. Jadhav, M.A. Assoc. Prof. (On Leave)

DEPARTMENT OF POLITICAL SCIENCE

- Ms. Pratiba Naitthani, M.A., B.Ed. Asst. Prof. & Head of Dept.
Ms. Shazia Shaikh, M.A. Asst. Prof.

DEPARTMENT OF PSYCHOLOGY

- Ms. Ruby Pavri, M.A., B.Ed. Assoc. Prof. & Head of Dept.
Ms. Linda Dhakul, M.A., B.Ed. Asst. Prof.

FACULTY

DEPARTMENT OF SOCIOLOGY

Mr. Sam Taraporevala, M.A., Ph.D., D.H.R.M.	Assoc. Prof. & Head of Dept.
Ms. Madhuri Raijada, M.A., M.L.S.	Assoc. Prof.
Ms. Vinita Bhatia, M.A., M.Phil.	Assoc. Prof.
Fr. Arun D'Souza S.J., M.A., Ph.D.	Asst. Prof.
Ms. Pranoti Chirmuley, M.A., M.Phil,Ph.D	Asst. Prof.

DEPARTMENT OF MASS MEDIA

Ms. S.P. Periyanyagi, B.Com., MBA, M.Phil.	Asst. Prof. & Head of Dept.
Ms. Akshara Jadhav, M.A., PGJMC	Asst. Prof.
Mr. Joseph Aloysius R., M.Sc. Media Comm.	Asst. Prof.

DEPARTMENT OF PUBLIC POLICY

Mr. Baptist A. Menezes, M.A. Ph.D.	Principal & Head of Dept.
Fr. Arun D'Souza S.J., M.A., Ph.D.	Asst. Prof.
Mr. Kishu Daswani	Asst. Prof.
Mr. Awanish Kumar, M.A.	Asst. Prof.
Ms. Nandini Naik, M.A.	Asst. Prof.

DEPARTMENT OF B.Voc.-TOURISM

Ms. Fleur D'Souza, M.A. B.Ed., Ph.D.	Assoc. Prof. & Head of Dept.
Ms. Jyoti S. Latkar, M.T.A., Ph.D.	Asst. Prof.

FACULTY OF SCIENCE

DEPARTMENT OF BOTANY

+* Ms. Ujjwala C. Bapat, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept.
* Mr. Kevin J. D'Cruz, M.Sc.	Assoc. Prof.
+* Mr. Rajendra D. Shinde, M.Sc., Ph.D.	Assoc. Prof.
Mr. Alok Gude, M.Sc.	Asst. Prof.
Ms. Vijaya Lobo, M.Sc., Ph.D.	Asst Prof.
Mr. Manek Mistry, M.Sc. Ph.D.	Asst. Prof.

DEPARTMENT OF CHEMISTRY

+* Mr. Freddy H. Havaladar, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept.
* Ms. Surabhi S. Potnis, M.Sc., M.Phil.	Assoc. Prof.
* Ms. Dionysia L. M. Coutinho, M.Sc., Ph.D.	Assoc. Prof.
* Ms. Gulshan Shaikh, M.Sc., D.H.E.	Assoc. Prof.
Fr. Roy J.J. Pereira, S.J. M.Sc., Ph.D.	Asst. Prof.
* Mr. Bhagavat D. Bonde, M.Sc., Ph.D.	Assoc. Prof.
Mr. Marazban S. Kotwal, M.Sc.	Asst. Prof.

FACULTY

Ms. Ashma Aggarwal, M.Sc., Ph.D.	Asst. Prof. (On Leave)
Ms. Geeta N. Kotian, M.Sc., Ph.D.	Asst. Prof.
Ms. Saima Shaikh, M.Sc.	Asst. Prof.
Ms. Abhilasha Jain, M.Sc., Ph.D.	Asst. Prof.
Mr. Pralhad V. Rege, M.Sc., Ph.D.	Asst. Prof.

DEPARTMENT OF GEOLOGY

+*	Mr. Hrishikesh P. Samant, M.Sc., M.Tech., Ph.D.	Assoc. Prof. & Head of Dept.
+*	Mr. Praveen Henriques, M.Sc., Ph.D.	Assoc. Prof.
+*	Mr. Gautam Bandopadhyay, M.Sc. Ph.D.	Asst. Prof.
*	Mr. Bobby P. Mathew, M.Sc.	Asst. Prof.
	Mr. Vikram Pratap Singh, M.Sc.	Asst. Prof.
	Mr. Ashwin Pundalik, M.Sc.	Asst. Prof.

DEPARTMENT OF LIFE SCIENCES AND BIOCHEMISTRY

*	Ms. Nandita B. Mangalore, M.Sc., M.Phil., Ph.D.	Assoc. Prof. & Head of Dept.
+*	Ms. Radiya Pacha-Gupta, M.Sc., Ph.D.	Assoc. Prof.
*	Ms. Seema Das, M.Sc., Ph.D.	Assoc. Prof.
*	Mr. Prashant S. Ratnaparkhi, M.Sc.	Asst. Prof.
*	Ms. Priya Sundarrajan, M.Sc., Ph.D.	Assoc. Prof.
*	Ms. Sangeeta R. Shetty, M.Sc.	Asst. 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.

DEPARTMENT OF MATHEMATICS

*	Ms. Mangala Gurjar, M.Sc., Ph.D., C.S.T.	Assoc. Prof. & Head of Dept.
	Ms. Meenal Kolkar, M.Sc., M.Phil.	Asst. Prof.
	Mr. Ashok Bingi, M.Sc.	Asst. Prof. (On Leave)
	Mr. Aditya Garg, M.Sc.	Asst. Prof.
	Ms. Simi M. Cyriac, M.Sc.	Asst. Prof.

DEPARTMENT OF MICROBIOLOGY

*	Ms. Vivien Amonkar, M.Sc., Ph.D.	Assoc. Prof. & Head of Dept.
*	Ms. Miriam Stewart, M.Sc.	Assoc. Prof.
*	Ms. Sangeeta Chavan, M.Sc., M.Phil.	Assoc. Prof.
*	Ms. Karuna R. Gokarn, M.Sc.	Assoc. Prof. (On Leave)
	Ms. Aparna Talekar, M.Sc., Ph.D.	Asst. Prof.
	Ms. Pampi Chakraborty, M.Sc., Ph.D.	Asst. Prof.
	Ms. Shilpa Verekar, M.Sc., Ph.D.	Asst. Prof.

FACULTY

DEPARTMENT OF PHYSICS

- * Ms. Shyamala P. Bodhane, M.Sc., M.Phil., Ph.D. Assoc. Prof.
& Head of Dept.
- * Ms. K. Vedasankari, M.Sc., Ph.D. Assoc. Prof.
- Ms. Jyoti T. Singh, M.Sc., Ph.D. Assoc. Prof.
- Mr. Rajesh Singh, M.Sc. Asst. Prof.
- Mr. Ajay Yadav, M.Sc. Asst. Prof.
- Mr. Rohan Jadhav, M.Sc., Ph.D. Asst. Prof.
- Ms. Leena Joshi, M.Sc., Ph.D. Asst. Prof.
- Mr. Radhekrishna Dubey, M.Sc., Ph.D. Asst. Prof.

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- * Ms. Pooja Ochaney, M.Sc. Assoc. Prof. & Head of Dept.
- * Ms. Myrtle Fernandes, M.Sc. Assoc. Prof.
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- * Mr. Saju V. George, M.Sc., M.Phil. Assoc. Prof.
- * Ms. S. Annapurna, M.Sc., D.C.S.T., D.O.R.M. Asst. Prof.
- * Ms. Piyali Unnikrishnan, M.Sc. Asst. Prof.

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- + Ms. Madhuri P. Hambarde, M.Sc., Ph.D. Assoc. Prof.
- Ms. Pushpa U. Sinkar, M.Sc., Ph.D. Asst. Prof.
- Mr. Conrad Cabral, M.Sc. Asst. Prof.
- Ms. Sujata Deshpande, M.Sc., Ph.D. Asst. Prof.

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- Ms. Norine D'Souza, M.Sc. Asst. Prof.
- Ms. Shiney Peter, M.Sc., Ph.D. Asst. Prof.
- Mr. Biswa Chatterji M.Sc., Ph.D. Asst. Prof.

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- Ms. Jyoti Singh, M.Sc. Ph.D. Assoc. Prof., Head of Dept.
- Mr. Thomas Roy, M.C.A. Asst. Prof.
- Ms. Shivaranjani Gudibanda, M.Sc. Asst. Prof.
- Mr. Subhash Kumar, M.C.A., M.Phil. Asst. Prof.
- Ms. Lydia Fernandes M.Sc. Asst. Prof.

DEPARTMENT OF B.VOC. - SOFTWARE DEVELOPMENT

- Ms. Jyoti Singh, M.Sc., Ph.D. Assoc. Prof. &
Head of Dept.
- Ms. Rachana Pandey, M.Sc. Asst. Prof.

FACULTY

FACULTY OF COMMERCE

Fr. Errol Fernandes, S.J. M.Com., M.Th.	Asst-Prof. & Vice-Principal (Commerce)
Mr. Rajinder Singh Saluja, M.Sc., M.Phil.	Assoc. Prof.
Mr. Rajesh N. Vora, M.Com., C.A.	Asst. Prof.
+* Mr. Arvind Dhond, M.Com., M.Phil., MFM., PGDFM., Ph.D.	Asst. Prof.
Mr. Sanjay Parab, M.Com, CS.	Asst. Prof. (On Leave)
Fr. Conrad Pessa, S.J., M.Com., ICWA, CS, LLB,	Asst. Prof.
Mr. Syed Shakeel Hussain, L.L.M.	Asst. Prof. (Part-time)
Mr. Kamaji Bokare, M.A.	Asst. Prof.
Mr. Jotiram J. Gaikwad, M.A., M.Phil.	Asst. Prof. (On Leave)
Mr. Vishant A. Ramteke, M.A.	Asst. Prof.

DEPARTMENT OF MANAGEMENT STUDIES

Ms. Soni George, B.Sc., Agri (Hons), MMS,	Asst. Prof. & Head of Dept.
Mr. Pritesh Arte M.Com., LLB	Asst. Prof.
Ms. Neelam Shetty, M.Com., PGDBA	Asst. Prof.

RESEARCH DEPARTMENTS

HERAS INSTITUTE OF INDIAN HISTORY & CULTURE

@+* Ms. Joan Dias, M.A., Ph.D.	Director
@+* Sr. Anila Varghese, M.A., Ph.D.	Research Guide
+* Ms. Anita Rane-Kothare, M.A. Dip. Pali. Ph.D.	Research Guide
Ms. Fleur D'Souza M.A., B.Ed. Ph.D.	Associate
Ms. Radha Kumar M.A., Ph.D.	Associate

BLATTER HERBARIUM

+* Ms. Ujwala C. Bapat, M.Sc., Ph.D.	Director & Research Guide
+* Mr. Rajendra D. Shinde, M.Sc., Ph.D.	Research Guide

CAIUS LABORATORY FOR INTER DISCIPLINARY RESEARCH

* Ms. Priya Sundarajan, M.Sc., Ph.D.	Director
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NADKARNY SACASA RESEARCH LABORATORY

Fr. Roy Pereira S.J., M.Sc, Ph.D.	Director
+* Mr. Freddy H. Havaldar, M.Sc., Ph.D.	Research Guide
* Ms. Dionysia Coutinho, M.Sc., Ph. D.	Research Guide

FACULTY

DEPARTMENT OF AVESTA PAHLAVI

@+* Mr. K. M. Dastoor, M.A. Ph.D.

@* Mr. R. P. Karanjia, M.A., Ph.D.

@* Mr. P. M. Bajan, M.A. Ph.D.

DEPARTMENT OF INTER-RELIGIOUS STUDIES

Fr. Prashant Olalekar S.J.

Director

LANGUAGE LAB.

Ms. Jyoti P. More, M.A.

Instructor

NON – TEACHING STAFF

NON – TEACHING STAFF

GENERAL OFFICE:

1	MS.GRIZEL A. MENEZES	STENOGRAPHER
2	MR.BIPIN B. PATIL	OFFICE ASSISTANT
3	MR.VINCENT I. PEREIRA	OFFICE ASSISTANT
4	MR.ANAND ALPHANSO	OFFICE ASSISTANT
5	MS.SUPRIYA R. SARAF	OFFICE ASSISTANT
6	MS.FLAVIA D’MELLO	OFFICE ASSISTANT
7	MS.SHAINY O. LOPES	OFFICE ASSISTANT
8	MS.DELINA B. LOPES	OFFICE ASSISTANT
9	MS. SHEFALI FERNANDES	OFFICE ASSISTANT
10	MS. NAMRATA NAIK	OFFICE ASSISTANT
11	MR. DOMINIC C. FERNANDES	ADMIN. ADVISOR

TREASURES OFFICE :

1	FR. CONRAD PESSO, S.J.	TREASURER
2	MR.PETER D’MONTE	OFFICE ASSISTANT
3	MR.VIJAYRAO THAPALA	OFFICE ASSISTANT
4	MR.DIXON F. COLACO	OFFICE ASSISTANT
5	MR.DAVID PATIL	OFFICE ASSISTANT
6	MR.GANESH PADRAT	OFFICE ASSISTANT
7	MR.SAMEER PADRAT	OFFICE ASSISTANT
8	MS. SHWETA JADHAV	OFFICE ASSISTANT
9	MR. ROCKY VAZ	OFFICE ASSISTANT

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2	MR. VIVEK TAMBE	ASSISTANT LIBRARIAN
3	MR.ASHOK G. RAMBADE	LIBRARY ASSISTANT
4	MR.BHARAT HEJAMADI	LIBRARY ASSISTANT
5	MS.SONALI PARADKAR	LIBRARY ASSISTANT
6	MR. JAY THORAT	LIBRARY ASSISTANT
7	MR.CAITAN F. SIMOES	LIBRARY ATTENDANT
8	MR.SUDHAKAR DAMLE	LIBRARY ATTENDANT
9	MR.RAJARAM B. AGRE	LIBRARY ATTENDANT
10	MR.PETER A. FERNANDES	LIBRARY ATTENDANT
11	MR.JULIO PEREIRA	LIBRARY ATTENDANT
12	MR.KISHORE C. CHAPHE	LIBRARY ATTENDANT
13	MR.PRAKASH G. RAMBADE	LIBRARY ATTENDANT
14	MR.DEEPAK S. CHOWGULE	LIBRARY ATTENDANT
15	MR.UTTAM JADHAV	LIBRARY ATTENDANT
16	MR.ADINATH RAUT	LIBRARY ATTENDANT

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2	MR.LAWRENCE D'COSTA	LIBRARY ATTENDANT
3	MR.TRUMAN BORGES	LIBRARY ATTENDANT
4	MR.YOGESH M. GADE	PEON

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1	MR.RAJDHAR DABHADE	6	MR.GURUNATH DHURI
2	MR.VIJAY A. GURAV	7	MR.ANTHONY THOMAS
3	MR.PRAKASH DANDGE	8	MR.GLESSON DIAS
4	MR.MANO HAR VELIYE	9	MR.SANJAY S. KARAMBELE
5	MR.ELIAS JOSEPH ABREO	10	MR.SANDEEP KELWADKAR

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2	MR.ANANT L. CHOWGULE	22	MR.SANJAY S. GELIYE
3	MR.KRISHNA HARI AGRE	23	MR.SIMON JOSEPH
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6	MR.SURESH R. RAMBADE	26	MR.SUDHAKAR D. KOLGE
7	MR.HARI T. RAMBADE	27	MR.AGNELO A. FARGOSE
8	MR.HANUMANTH CHOWGULE	28	MR.JAGDISH B. GULDEKAR
9	MR.RAMCHANDRA CHANDURKAR	29	MR.UDDHAV E. PATOLE
10	MR.SUBASH A. KALEKAR	30	MR.DAYANAND KUMBHAR
11	MR.LAXMAN DAJEE GURAV	31	MR.SANDEEP P. PAWAR
12	MR.ASHOK HARI AGRE	32	MR.SANDEEP RAMBADE
13	MR.DEVCHANDRA K. GURAV	33	MR.SANDIP I. PATIL
14	MR.PRAKASH AGRE	34	MR.AATISH SHIRKE
15	MR.SANDEEP B. BERDE	35	MR.UTTAM PATIL

NON – TEACHING STAFF

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16	MR.CHANDRAKANT CHANDURKAR	36	MR.SACHIN BHURE
17	MR.ASHWIN W. PARMAR	37	MR.MACFEDYAN NORONHA
18	MR.RAMDAS Y. GAWDE	38	MR.KISHORE SONAVANE
19	MR.VICTOR G. D'SOUZA	39	MR. DAVID FOSS
20	MR.MELCOME R. ABREU	40	MR. KISHORE ARBUNE

PEONS:

1	MR.SUDHAKAR GURAV	12	MR.DEEPAK PARIT
2	MR.BAJU SOLANKI	13	MR.YOGESH ENAMDAR
3	MR.CAJETAN FERNANDES	14	MR.VAIBHAV PATIL
4	MR.PRAKASH S. CHOUGULE	15	MR.AMOL LOHAR
5	MR.SANTOSH K. ZEPLA	16	MR. UDAY MANE
6	MR.ARUN JADHAV	17	MR. UTTAM GHATKAR
7	MR.DEVID S. GHADGE	18	MR. RAJAN GURAV
8	MR.KEVIN N. D'SOUZA	19	MR. AVINASH AGRE
9	MR. NITIN LOKHANDE	20	MR. AMOL SHINDE
10	MR.UMESH CHAVAN	21	MR. SHISHIR KHEDEKAR
11	MR.BHARAT KOLI	22	MR. MAHADEV SONULE

EXAMINATION CENTRE:

1	DR. H.E.MASTER	CONTROLLER OF EXAMS
2	MS. FIONA R. CRASTO	OFFICE ASSISTANT

NON – TEACHING STAFF

KNOWLEDGE CENTRE:

1	MR. KEVIN D'CRUZ	DIRECTOR
2	MS. VIDHI MEHTA	WEB DESIGNER
3	MS. NILAM S. JADHAV	OFFICE ASSISTANT
4	MS. DHANLAXMI GOWDA	OFFICE ASSISTANT
5	MR. SWAPNIL BAGWE	TECHNICAL ASSISTANT
6	MR. YOGENDRA MOHITE	TECHNICAL ASSISTANT

MULTI-MEDIA OPERATORS:

1	MR. DEB SHANKAR DAS	TECHNICIAN
2	MR. FRANCIS KADAM	TECHNICIAN
3	MR. DINESH MOHITE	TECHNICIAN

CAMPUS MAINTENANCE STAFF :

1	MR. BABUJI GEROGE	ADMINISTRATOR
2	MR. NORBERT LOBO	ADMIN. ASSISTANT
3	MR. SANTOSH CHAVAN	OFFICE ATTENDANT
4	MS. SEEMA SISODIYA	TELEPHONE OPERATOR- CUM-RECEPTIONIST
5	MS. SUNITA MISQUITTA	TELEPHONE OPERATOR- CUM-RECEPTIONIST
6	MR. VIJAY SHARMA	CARPENTER
7	MR. SANJAY SAWANT	ELECTRICIAN
8	MR. MAYUR AGRE	ASSISTANT
9	MR. NARAYAN RAMBADE	GARDENER
10	MR. PRAVIN WAGHELA	PEON

NON – TEACHING STAFF

RESEARCH LAB. SUPPORT STAFF:

1	MR. PRAVIN KALE	ASSISTANT CURATOR-BLATTER HERBARIUM
2	MR. PRASHANT MANCHEKAR	ATTENDANT, CAIUS LAB.
3	MR. RAJESH MAHADIK	ATTENDANT, BIOTECHNOLOGY LAB.
4	MR. MELVIN FERNANDES	MAINTENANCE ENGINEER

SOCIAL INVOLVEMENT PROGRAMME:

1	DR. B. A. MENEZES	COORDINATOR
2	MS. JENIPHER LOPES	SOCIAL WORKER
3	MS. ROSHEN THOMAS	SOCIAL WORKER
4	MS. FEBINA COLACO	OFFICE ASSISTANT

X.D.P. OFFICE:

1	MR. MAURICE MONIS	ADMINISTRATIVE ADVISOR
2	MS. SHIVALI MAYEKAR	OFFICE ASSISTANT

HOSTEL:

1	MR. KARAN BAHADUR	RECEPTIONIST
2	MR. RAVINDRA YADAV	RECEPTIONIST
3	MR. NESTIN DIAS	RECEPTIONIST
4	MR. KAMAL MAJI	PEON

RULES

COLLEGE RULES

I. GENERAL DISCIPLINE:

Discipline has always been the hallmark of a Jesuit institution. It is the pre-requisite for a healthy academic environment on the campus. St. Xavier's would like to make clear the norms of discipline expected, so that observance and enforcement becomes a simple task for all concerned. Every staff member of the College (teaching and non-teaching) is entrusted with the job of enforcement of discipline and can ask for the identity card of any student, on noticing some infringement of discipline. The details of the offence and the identity card of the student are then given, preferably the same day, to the Principal or one of the Vice Principals. The latter will take the necessary action, including a fine of Rs.100, an apology letter and/or a calling for the Parent or Guardian and finally suspension or dismissal.

1. **Identification:** Students are required to carry with them their identity-cards issued to them by the College. They are required to display them prominently on their person especially at the gate when entering the College and throughout the time they are on campus. The use of an I.D. card of another student and the lending of an I.D. card to another is illegal and will attract suspension from College.
2. **Undertaking:** All students are expected to conduct themselves in a manner worthy of being a member of the College community. Such conduct is based on respect for the dignity and rights of individuals, respect for public and personal property, and personal and academic honesty. The behaviour of students outside the campus also affects the prestige of the institution and hence will be taken note of. At the time of admission, every student shall sign a declaration, on his/her admission form, that s/he will abide by all rules and regulations and accept the decision of the Principal, in all matters, as final. S/he will also give an undertaking to accept the College Rules Under Autonomy, which, *inter alia*, provide for the non-granting of Terms.
3. **Ragging, of whatever kind, is strictly forbidden and will result in a Dismissal of the concerned student, even if the act is committed outside the college campus.** As per

RULES

Supreme Court order dated May 2007, the College authorities may also have to file an F.I.R. with the police.

4. **The possession and/or consumption of drugs, cigarettes or alcohol on campus will result in Dismissal or Suspension, at the discretion of the Principal. Physical violence also attracts the same immediate penalty.**
5. **Dress:** 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 and shorts are considered inappropriate. Trousers are expected to be full-length up to the ankles.
6. **Mobiles:** These should be switched off at the Gate before entering the College. At no time should the mobile ring in the campus. However, one may use the mobile, if absolutely necessary and in a discrete manner, in the following fixed places: the college canteen and foyer, the woods (but away from the XIC building and the Chemistry Lab) and inside the Girls' and Boys' Common Rooms. If a mobile rings or is being used anywhere else, the Staff member who is a witness to this, is expected to take an acknowledgement of this offence in writing from the student and to submit it to the Principal/Vice-Principal for further action. The mobile remains with the student, unless s/he uses it again and invites confiscation.
7. **Eatables** and beverages are not to be carried to places other than the Canteen, the Woods and the Student Common Rooms. Taking sips of water during a lecture is a poor health practice and is also a slight to the Professor and hence is not permitted.
8. Students are requested not to disturb ongoing lectures, by arriving early for their lecture or by leaving their classroom before the lecture period has ended, or by loud conversation, shouting or singing. The use of the walkman, playing of guitars and bringing of luxury items to the college campus is discouraged.

RULES

9. Students' **Common Rooms** (exclusive for men and women separately) are closed on Sundays and holidays. 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, in which case, they should be in the premises of the respective institutions, and not anywhere else in the College campus.
10. The **right to dissent** is accepted, as is the right to resolve conflict through discussion and reason. But all protest should be channelised through the Students' Council and be governed by the Constitution of that Council. It is for the Principal to decide whether any form of protest constitutes indiscipline.
11. **Use of unfair means at exams:** Any student detected using unfair means (or even being in possession of a mobile or of other material which could be used for copying) during tests or exams will face an Unfair Means Committee constituted by the College and if found guilty, will be awarded a zero for all courses in the Examination Session concerned, which could effectively mean losing a year. Those found abetting such behaviour will also face a similar penalty.
12. **Class picnics** or outings are not permitted. 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.
13. Students are expected to read the **notice-boards** of their respective classes DAILY, so as to ascertain their performance with regard to attendance requirements and academic performance. If they are sick or absent from the College, for whatever reason, they should obtain information of notices through their parents, guardians or classmates. Students are expected to acquaint themselves with their own marks and to see the warnings on the notice-board every month about attendance or poor performance, as no individual intimation will be sent.

RULES

GENERAL LIBRARY RULES

1. The College Library is normally open from 9.00 a.m. to 8.00 p.m. (Monday through Friday) and from 10.00 a.m. to 4.30 p.m. (Saturday) during the term. Entry will be disallowed 10 minutes before closing time. These timings will be altered during vacation time.
2. In order to make use of the Library, Students are required to wear their identity-card on their person at all times.
3. Books will be issued strictly in the order in which the application is received. It is left to the discretion of the Librarian not to issue certain books when circumstances warrant it.
4. Report loss of a book immediately to the Librarian in writing.
5. Books are issued for the exclusive personal use of the applicant. Anyone found applying for books for others may be denied the use of the Library.
6. No books or periodicals may be removed from the Library unless the loan has been registered at the Loan Counter.
7. 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.
8. Books lost, damaged or defaced, must be paid for by the reader on whose name they were issued. The value of the books will be assessed by the Librarian.
9. All loans must be returned by the date (or time) due. Overdue charges will be imposed on all books not returned in time. Overdue charges will be increased during the examination period. Students who repeatedly fail to return books on time may be denied the use of the Library altogether. At the time of leaving the Library all books and other materials, including one's own books, files, etc., must be shown at the check-out counter.
10. 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.

RULES

11. Students, who fail to return books borrowed from the Library at least one week prior to the declaration of results, will be declared as Library defaulters and their results will be withheld until they get clearance from the Library.
12. The Librarian reserves the right to recall any book or periodical at any time.
13. Silence should be observed in the Library.
14. Furniture must not be re-arranged and may be used only for its proper purpose. Please keep the Library clean and ordered.
15. Disregard of Library rules, indiscipline and misbehaviour will render students liable to be refused access to the Library.
16. Refreshments are strictly forbidden in the Library.

CONGRATULATIONS

CONGRATULATIONS TO OUR YOUNG ACHIEVERS !!!

RESULTS OF ST. XAVIER'S COLLEGE-AUTONOMOUS MARCH 2014

	T.Y.B.A	T.Y.B.Sc	T.Y.B.Com	T.Y.B.M.S	T.Y.B.M.M	T.Y.B.Sc (IT)
College Pass %	88.56%	75.00%	57.72%	81.82%	91.80%	61.40%

COLLEGE RANKERS

NAME OF STUDENTS C.G.P.A RANK

T.Y.B.A

Ms. Modi Juhi Jaideep	3.83	1 st
Ms. Sahu Sushree Sudharanjan	3.81	2 nd
Ms. Jain Priyamvada Pankaj	3.78	3 rd
Ms. Kayastha Ishita Puneet	3.78	3 rd

T.Y.B.Sc

Mr. Fernandes Clinton Savio Alwyn	3.85	1 st
Mr. DSouza Ashwin Ian Thomas	3.83	2 nd
Ms. Chandak Sneha Raj	3.82	3 rd
Ms. Sanju Rajeshwar Kumari	3.82	3 rd

T.Y.B.Com

Mr. Gonsalves Rawson A.	3.51	1 st
Mr. S. Johnson	3.37	2 nd
Mr. Kallupalathinkal Jerin J	3.32	3 rd

T.Y.B.M.S

Ms. Silva Rhea Lucille	3.72	1 st
Mr. Jalan Shubham	3.70	2 nd

T.Y.B.M.M

Mr. Rosario Kenneth Andrew	3.53	1 st in Journalism
Ms. Luniya Devika	3.62	1 st in Advertising

T.Y.B.Sc – I.T

Mr. Wadia Frayosh	3.72	1 st
Mr. Deora Ashish Shakti	3.71	2 nd

CONGRATULATIONS

CONGRATULATIONS TO OUR YOUNG ACHIEVERS !!!

RESULTS OF ST. XAVIER'S COLLEGE-AUTONOMOUS APRIL 2014

	M.A. (AIC)	M.Sc. (Bot)	M.Sc. (Geo)	M.Sc. (LSc)	M.Sc. (Mic)	M.Sc. (Biotech)
College Pass %	60.00%	81.82%	78.95%	100%	90.00%	85.00%

COLLEGE RANKERS

NAME OF STUDENTS C.G.P.A RANK

M.A. (Ancient Indian Culture))

Ms. Sadhvi Nitin Chawla	3.67	1 st
Ms. Shruti Sajikumar Pillai	3.56	2 nd
Ms. Tejaswi Tushar Mehta	3.35	3 rd

M.Sc. (Botany)

Ms. Gremilda Gregory Almeida	3.56	1 st
Ms. Steffi Francis D'souza	3.49	2 nd
Ms. Ralisa George Rebello	3.43	3 rd

M. Sc. (Geology)

Ms. Bijal Mahendra Chudasama	3.49	1 st
Ms. Gyzel Perpetual Rodrigues	3.44	2 nd
Mr. Christer Dominique Pereira	3.42	3 rd

M.Sc. (Life Science)

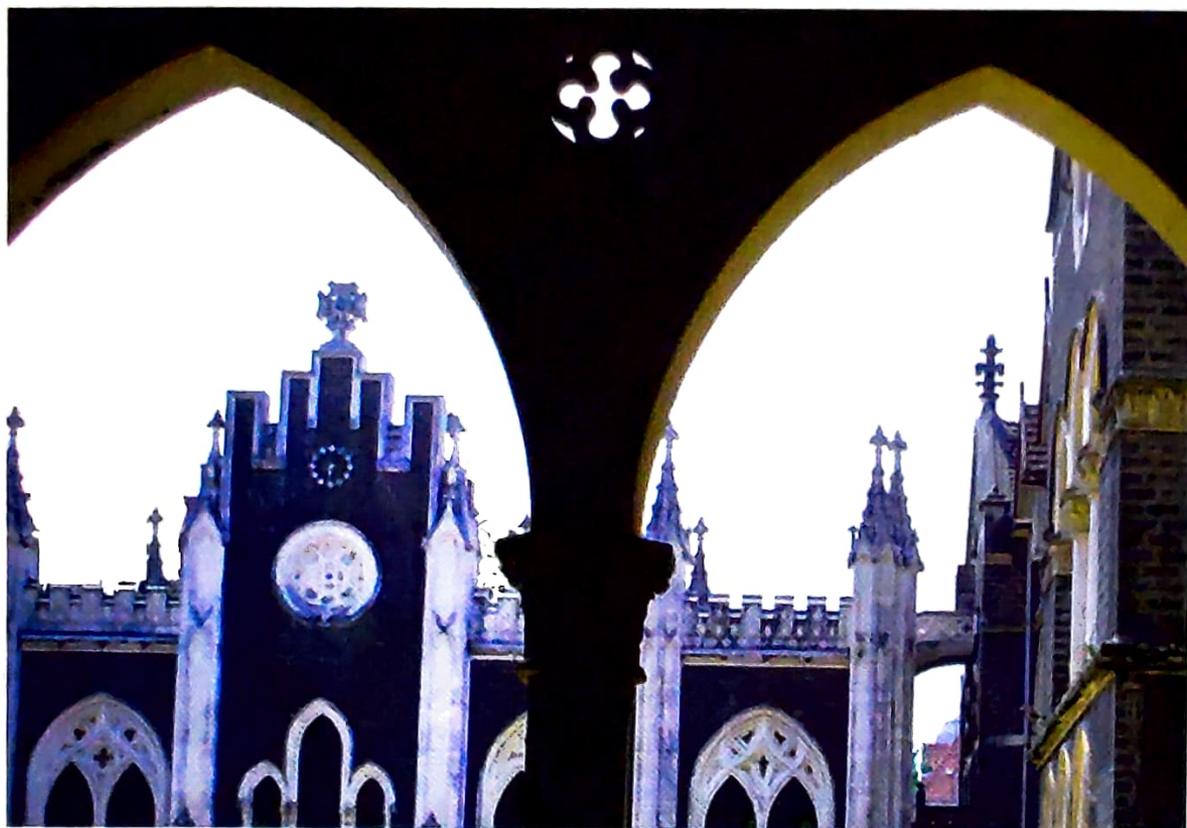
Ms. Karina Chaudhari	3.92	1 st
Ms. Usha Singh	3.50	2 nd
Ms. Andrea Nicola Fernandes	3.22	3 rd

M.Sc. (Microbiology)

Ms. Jessica John Lobo	3.70	1 st
Ms. Deeksha Manohar Shetty	3.70	1 st
Ms. Blossom Joseph D'souza	3.69	2 nd

M.Sc. (Biotechnology)

Ms. Shreya Bhargava	3.79	1 st
Ms. Aakanksha Purushottam Sawant	3.72	2 nd
Ms. Sharang Kolwalkar	3.70	3 rd



St. Xavier's College ventures into the field of Vocational Courses

- * **Bachelor of Vocation in Software Development**
- * **Bachelor of Vocation in Tourism**
- * **Diploma in Counselling Psychology**
- * **Diploma in Clinical Research**
- * **Diploma in Gemmology**
- * **Diploma in Forensic Science & Criminal Law**
- * **Diploma in Maritime Heritage Study**
- * **Diploma in Performing Arts**

5, Mahapalika Marg, Mumbai 400001

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