

Dr. Homi Bhabha State University
Elphinstone College.
M.G. Road, Fort, Mumbai – 32.

MSc-IT:

The M.Sc. Information Technology (IT), a 2-year full time post-graduate course (4 semesters) focuses on making a student technically competent in the theory of Information Technology, its applications and research related aspects. The program aims to make students eligible for IT Industry as well as research programs. M.Sc. IT course is designed to provide theoretical as well as practical knowledge on current topics like

- Big Data Analysis
- Cloud Computing
- Artificial Intelligence
- Machine Learning
- Robotic Process Automation
- Software development
- Data mining

CAREER & JOB OPPORTUNITY

- IT Consultant
- Network Administrator
- Web Developer
- Systems Support Administrator
- Security Agencies
- Security Expert
- Information Security Analyst
- Tracker
- Software Engineer
- Computer Programmer
- Interface Engineer
- Computer Systems Analyst
- Computer Network Architect
- Database Administrator

ELIGIBILITY CRITERIA:

Bachelors in Information Technology OR Bachelor's degree in a relevant subject (Physics, Mathematics, Statistics) with overall aggregate of 50% or more, from a recognized university.

Method of Selection: Merit Based.

TOTAL INTAKE OF STUDENTS: 20

COURSE STRUCTURE:

COURSECODE	COURSE TITLE	CREDITS
SEMESTER - I		
MSITCC101T	Advanced Database Management System	4
MSITCC102T	Data Science	4
MSITCC103T	Cloud Computing	4
MSITIE101T	Soft Computing	4
MSITGE101T	Technical Writing	2
MSITAE101T	Software Testing	2
MSITLB101P	Advanced Database Management System - Practical	2
MSITLB102P	Data Science - Practical	2
MSITLB103P	Cloud Computing - Practical	2
MSITLB104P	Soft Computing - Practical	2
Total Credits of Semester I		28
SEMESTER - II		
MSITCC201T	Big Data Analysis	4
MSITCC202T	Modern Networking	4
MSITCC203T	Microservices Architecture	4
MSITIE201T	Image Processing	4
MSITSE201T	DevOps	4
MSITLB201P	Big Data Analysis - Practical	2
MSITLB202P	Modern Networking - Practical	2
MSITLB203P	Microservices Architecture - Practical	2
MSITLB204P	Image Processing - Practical	2
Total Credits of Semester II		28
SEMESTER - III		
MSITCC301T	Ethical Hacking	4
MSITCC302T	Research in Computing	4
MSITDE301T	Robotic Process Automation	4
MSITDE302T	Advanced Artificial Intelligence and Machine Learning	4
MSITAE301T	Biomedical Image Processing	2
MSITGE301T	Entrepreneurship Development	2
MSITLB301P	Ethical Hacking - Practical	4
MSITLB302P	Research in Computing – Practical	4
Total Credits of Semester III		28
SEMESTER – IV		
MSITCC401T	Cloud Application Development	4
MSITCC402T	Natural Language Processing	4
MSITDE401T	Deep and Reinforcement Learning	4
MSITDE402T	Malware Analysis	4
MSITSE401P	Project Implementation	4
MSITLB401P	Cloud Application Development - Practical	4
MSITLB402P	Natural Language Processing – Practical	4
Total Credits of Semester IV		28

ANNUAL FEE STRUCTURE:

Sr. No.	Fee Heads	Open category	Reserved category (SC/ST)
1	College & Library I - cards	100	100
2	Library Fee	500	0
3	Gymkhana / Extra Curricular Fee	500	0
4	Computer Lab Fee	500	125
5	Internet Fee	500	250
6	Utility Fee	250	0
7	College Development Fee	500	0
8	Application Prospectus/Form Fee	50	50
9	Application online charges - PG	400	400
10	Project Fee (PG)	0	0
11	Vice Chancellor's Fund	50	50
12	Students Welfare Fund	50	50
13	Ashwamedh Fees	50	50
14	Disaster Relief Fund	20	20
15	University Sports / Cultural Fee	50	0
16	Student Group Insurance Fee	100	100
17	Magazine / Souvenir Fee	150	0
18	Alumni Association Fee	100	100
19	Eligibility fee - Indian Students	500	250
	Total Other Fee	4370	1545
20	Eligibility fee – Foreign Students	400 Dollars	400 Dollars
21	a) Caution Money	1,000	0
22	b) Laboratory Deposit	1000	0
23	c) Library Deposit	500	0
24	d) Computer Lab Deposit	1000	0
		3,500	0
25	Tuition fee	65000	0
	Grand Total	72,870	1,545

EXAMINATION RELATED FEE AS PER TABLE BELOW:

Sr. No.	Fee per Semester end Examination	Fee in Rs.		Remarks
		Open	Reserved	
1	UG Exam. Fees per Semester (All Subjects)	2,000	2,000	Every Year at the time of Examination
2	UG Exam. Fees per Semester (per Subject)	250	250	
3	PG Exam. Fees per Semester (All Subjects)	3,500	3,500	
4	PG Exam. Fees per Semester (per Subject)	500	500	
	Fee as per requirement	Open	Reserved	Remarks
5	Photocopy Fees Per Answer Book	250	150	As and When Required
6	Revolution Fees Per Answer Book	800	500	
7	Convocation Fees	1000	1000	
8	Degree Certificate Verification Fees	500	300	
9	Marksheet Verification Fees	500	300	
10	Duplicate Marksheet Fees	500	300	
11	Duplicate Degree Certificate Fees	700	500	
12	Bonafide Certificate Fee	300	200	
13	Transcript Fees per University	1,500	1,500	
14	Attestation Fees per University	1,000	1,000	
15	Migration certificate fee	1,000	1,000	