

MSc(IT)



MASTER OF SCIENCE IN INFORMATION TECHNOLOGY (MScIT)

Admission Qualification:

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University with mathematics in 10+2

OR

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have either completed their 6 course in IT/Computer Applications or have one year IT experience.

Program Duration:

Minimum Duration – 2 years

Maximum Duration – 4 years

Lateral Entry to Second Semester of MSc(IT):

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have successfully completed four semesters of GNIIT or 2 year certificate course from any recognized institution.

Lateral Entry to Third Semester of MSc(IT):

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed PGDCA /PGDIT from a recognised University or DOEACC 'A' level Certificate/ BE(CS /IT) or GNIIT or PGDCA from Cal-C.

Exit scheme of MSc(IT):

After successful completion of first two semesters of MSc(IT), the candidate shall be eligible to obtain a **Post Graduate Diploma in Information Technology(PGDIT)**.

Note : The student who will opt for lateral exit will not be able to continue this programme.



PROGRAM STRUCTURE

Subject Code	Subject	Credits	Subject Code	Subject	Credits
1st Semester			2nd Semester		
MS11	Computer Programming	5	MS21	Software Quality and Testing	4
MS12	Algorithm Analysis and Design	4	MS22	Advanced Communication Networks	3
MS13	Discrete Mathematics	3	MS23	OOAD and UML	3
MS14	Advanced RDBMS	3	MS24	Advanced JAVA	4
MS-L1	Advanced RDBMS (Lab) and Computer Programming (Lab) and Algorithm Analysis and Design (Lab)	3	MS25	Software Architecture	2
			MS-L2	Advanced JAVA (Lab) and OOAD and UML (Lab)	2
Total Credits		18	Total Credits		18
3rd Semester			4th Semester		
MS31	Project Management and Planning	3	MS41	.NET Technology	4
MS32	Client Server Computing	3	MS42	Component Technologies	3
MS33	Real Time System	2	MS43	VLSI	2
MS34	Project Synopsis	4	MS44	Project	6
Electives Stream 1: E-Commerce			Electives Stream 1: E-Commerce		
MS3E11	E-Commerce	3	MS4E13	Cyber Laws	2
MS3E12	Data Warehousing / Data Mining	3	MS4E14	Application Server	2
Electives Stream 2: Systems and Networking			Electives Stream 2: Systems and Networking		
MS3E21	Internet Programming	3	MS4E23	Voice and Video over IP	2
MS3E22	Mobile Computing	3	MS4E24	Embedded Systems	2
Electives Stream 3: Multimedia and Cognition			Electives Stream 3: Multimedia and Cognition		
MS3E31	Pattern Recognition	3	MS4E33	Artificial Intelligence	2
MS3E32	Multimedia Computing	3	MS4E34	Image Processing	2
Total Credits		18	Total Credits		19

Note: In 3rd semester of MSc (IT), a candidate has to opt for any one of the three elective streams in addition to the two core courses. The candidate has to continue in the same Elective stream in both the 3rd & 4th semesters as well as do his/her project preferably in his field of Elective Specialisation. Change of elective is not permitted once a candidate has opted for a particular stream.

Guidelines for choosing Electives:

- Stream 1 E-Commerce : Any graduate can opt for this elective.
- Stream 2 Systems & Networking : Basic Knowledge of Electronics is desirable for this elective.
- Stream 3 Multimedia & Cognition : Good foundation of Mathematics is essential for this elective.

Semester wise Fee Structure

Program / Tuition Fees	: Rs. 8000/-
Examination Fees	: Rs. 2000/-
Registration Fees (At the time of admission only)	: Rs. 500/-
Total Fees: First Time Registration (Without Late/Penal Fees)	: Rs. 10500/-
Subsequent Registrations (Without Late/Penal Fees)	: Rs. 10000/-

