

Master of Science in Information Technology

MScIT

Post Graduate Diploma in Information Technology

PGDIT

The MSc-IT program is aimed at designing and implementing advanced traditional computing environment. IT architecture is an integrated framework for acquiring and evolving IT to achieve strategic goals. It has both 'logical' and 'technical' components. The logical components include mission, functional and informational requirements, system configurations, and information flows. The technical components include IT standards and rules that will be used to implement the logical architecture. It therefore includes both computing and communication network technology in the same world.

The primary objectives of the program are as under:

- To equip postgraduate students with an integrated set of skills that will allow them to develop their professional careers in Information Technology.
- To equip students with the theoretical and practical knowledge that is necessary to enable them to understand the design of complex computer applications/science.
- The program also prepares students to embrace future developments in the field and has a demonstrated professional relevance.
- The program helps students to acquire the latest skills and build their future capabilities using world-class technology. At the end of this program, the student will possess a strong foundation of computer systems and information technology.
- Dexterity in advanced programming languages; power to build sophisticated software for wide area of applications.
- Skills to work with higher end applications in internet technologies; also managerial ability to analyze, design, develop and to maintain software development.

Eligibility : 3 year Graduation.

Course Fee: Rs.9,450/- per semester inclusive of examination fees or as revised from time to time.

Minimum duration : 2 years (4 semesters).

Maximum duration : 4 years.

Minimum counseling and hands-on experience at learning centers : 160 hrs/semester.

Provision for lateral entry to second semester of MSc IT:

Eligibility:

1. 3 year Graduation from a recognized university and six month Computer course from a reputed institution*.

OR

2. BCA/ BSc (CS/AIT/IT)/ BE/B.Tech. from a recognized university.

Additional fees: In addition to the regular fees, an additional lateral entry fee of Rs. 3,700/- (including examination fees) is payable by students opting for this scheme.

*For the list of approved institutions visit our website <http://dde.smuhts.edu>

Note: In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semesters will be supplied by the University and assessment will be completed at the Learning Center.

Post Graduate Diploma in Information Technology [PGDIT]

After successful completion of first two semesters of MSc IT students will be awarded the Post Graduate Diploma in Information Technology [PGDIT].

Course Structure

First Semester		
Sub. Code	Title	Credit
MT0031	Basics of IT	2
MT0032	Structured System Analysis & Design [SSAD]	2
MT0033	Data Structure Using ' C '	4
MT0034	DBMS & SQL Server	4
MT0035	Internet and Multimedia	4
Total Credits		16

Second Semester		
Sub. Code	Title	Credit
MT0036	Switching and Transmission Fundamentals	2
MT0037	Broadband Communication	2
MT0038	Wireless Mobile Communication	2
MT0039	Artificial Intelligence & Remote Communication	2
MT0040	Visual Basic with .NET Technology	4
MT0041	Computer Architecture	4
Total Credits		32

Third Semester		
Sub. Code	Title	Credit
MT0042	C++	2
MT0043	Discrete Mathematics	2
MT0044	IT law and Practice	2
MT0045	JAVA	2
MT0046	Oracle 9i	4
MT0047	Advance Software Engineering	4
Total Credits		48

Fourth Semester		
Sub. Code	Title	Credit
MT0048	Client Server Architecture	2
MT0049	Voice Over IP	2
MT0050	Management Information System [MIS]	2
MT0051	Internet Working with TCP/IP	2
MT0052	JAVA Beans [With Servlets , JDBC, JSP, EJB] & XML	4
MT0053	Project	4
Total Credits		64