

M.Tech in Information Technology

Suggested Plan of Study:

Sl. No.	Semester			
	I	II	III	IV
1	IT700	IT750	IT891/ IT897	IT899
2	IT701	IT751	IT898	
3	IT702	IT752		
4	Elective 1	Elective 3		
5	Elective 2	Elective 4		
6	----	IT890		

Credit Requirements

Category	Minimum Credits to be Earned
Program Core (Pc)	24
Elective Courses (Ele.)	14
Mandatory Learning Courses (MLC)	4
Major Project (MP)	10
Total	52

Program Core (PC)

IT700	Advanced Algorithms	(3-0-2) 4
IT701	Advanced Database Systems	(3-0-2) 4
IT702	Deep Learning	(3-0-2) 4
IT750	Cyber Security	(3-0-2) 4
IT751	Distributed Computing Systems	(3-0-2) 4
IT752	Web and Social Computing	(3-0-2) 4

Elective Courses (EL)

IT800	Mobile Computing	(3-0-0) 3
IT801	Genetic Algorithms	(3-0-2) 4
IT802	Artificial Intelligence	(3-0-0) 3
IT803	Software Architecture	(3-0-0) 3
IT804	Artificial Neural Networks	(3-0-2) 4
IT805	Topics in Web Semantics	(3-0-2) 4
IT806	Perceptual Audio and Speech Processing	(3-0-0) 3
IT807	Enterprise Resource Planning and Systems	(3-0-0) 3
IT808	Cyber Law and Intellectual Property Issues	(3-0-0) 3
IT809	Data Mining	(3-0-0) 3
IT810	E-Commerce	(3-0-0) 3
IT811	Web Services	(3-0-0) 3
IT812	Virtual Reality	(3-0-0) 3
IT813	Computer Vision	(3-0-2) 4
IT814	Cloud Computing	(3-0-2) 4
IT815	System Integration	(3-0-0) 3
IT816	Mobile Adhoc Networks	(3-0-2) 4
IT817	Wireless Sensor Networks	(3-0-2) 4
IT818	Intelligent Information Systems	(3-0-0) 3
IT819	Blind Signal and Image Processing	(3-0-0) 3
IT820	Information Technology for Healthcare	(3-0-0) 3
IT821	Perceptual Image and Video Processing	(3-0-0) 3
IT822	Advanced Computer Networks	(3-0-2) 4
IT823	Topics in Natural Language Processing	(3-0-2) 4
IT824	Topics in Soft Computing	(3-0-2) 4
IT825	Designing Internet of Things	(3-0-2) 4
IT826	Cyber-Physical Systems	(3-0-0) 3
IT827	High Performance Computing	(3-0-2) 4
IT828	Modern Cryptography	(3-0-2) 4
IT829	Advanced Computer Architecture	(3-0-0) 3
IT830	Multimedia Information Retrieval	(3-0-2) 4
IT831	Game Theory	(3-0-0) 3
IT832	Blockchain Technologies and Applications -Decentralization and Smart Contracts	(3-0-2) 4
IT833	Advanced Time Series Analysis	(3-0-2) 4
IT834	Performance Evaluation of Computer Systems and Software	(3-0-2) 4

Mandatory Learning Courses (MLC)

IT890	Professional Practice / Seminar	2
IT891 / IT897	Practical Training / Minor Project (To be completed during Vacation between 2nd & 3rd Sem.)	2

Major Project (MP)

IT898	Major Project-I	4
IT899	Major Project-II	6