

## M.Sc. Information Technology as per CBCS Structure

<u>Semester</u>	<u>Core (6 Credits)</u>	<u>DSE (6 Credits)</u>	<u>SEC (4 Credits)</u>	<u>Other</u>
<b>I</b>	C1 Big Data Analytics	Ethical Hacking OR Image Processing	SEC 1 Soft Computing Techniques OR other department sem 1 SEC	NA
	C2 Data Science			
	C3 Cloud Computing			
<b>II</b>	C4 Research in Computing	Computer Forensic OR Computer Vision	SEC 2  Applied Artificial Intelligence	NA
	C5 Microservices Architecture			
	C6 Modern Networking			
<b>III</b>	C7 Technical Writing and Entrepreneurship Development	Malware Analysis OR Robotic Process Automation	SEC 3 Advanced IoT	Internship
	C8 Machine Learning			
<b>IV</b>	C9 Blockchain Technology	Human Computer Interaction OR Virtual Reality and Augmented Reality	SEC 4 Natural Language Processing	Project
	C10 Deep Learning			

## Credit and Workload Calculation M.Sc Information Technology Program as per CBCS pattern

Sem	Course Type	Course Code	Course Name	Credit	Semester Wise Credit	Workload (TH+PR)	Semester wise Workload(TH+PR)
<b>I</b>	CORE COURSE	PGIT101	Big Data Analytics	6	28	4+4	19+18 =37
	CORE COURSE	PGIT102	Data Science	6		4+4	
	CORE COURSE	PGIT103	Cloud Computing	6		4+4	
	Skill Enhancement Course (SEC)	PGIT104	Soft Computing Techniques OR Advanced Python Programming(from other department)	4		3+2	
	Elective: Discipline Specific DSE	PGIT105A PGIT105B	Ethical Hacking <b>OR</b> Image Processing	6		4+4	
<b>II</b>	CORE COURSE	PGIT201	Research in Computing	6	28	4+4	19+18=37
	CORE COURSE	PGIT202	Microservices Architecture	6		4+4	
	CORE COURSE	PGIT203	Modern Networking	6		4+4	
	Skill Enhancement Course (SEC)	PGIT204	Applied Artificial Intelligence	4		3+2	
	Elective: Discipline Specific DSE	PGIT205A PGIT205B	Computer Forensic <b>OR</b> Computer Vision	6		4+4	
<b>III</b>	CORE COURSE	PGIT301	Technical Writing and Entrepreneurship Development	6	28	4+4	15+14=29
	CORE COURSE	PGIT302	Machine Learning	6		4+4	
	Skill Enhancement Course (SEC)	PGIT303	Advanced IoT	4		3+2	
	Elective: Discipline Specific DSE	PGIT304 PGIT304	Malware Analysis <b>OR</b> Robotic Process Automation	6		4+4	
	Other	PGIT305	Internship	6		---	
<b>IV</b>	CORE COURSE	PGIT401	Blockchain	6	28	4+4	19+18=37
	CORE COURSE	PGIT402	Deep Learning	6		4+4	
	Skill Enhancement Course (SEC)	PGIT403	Natural Language Processing	4		3+2	
	Elective: Discipline Specific DSE	PGIT404A	Human Computer Interaction	6		4+4	

		PGIT404B	<b>OR</b> Virtual Reality and Augmented Reality				
	Other	PGIT405	Project	6		4+4	
				112	<b>112</b>	72+68	<b>140</b>