

Master in Information Technology

Prog	Sem	Course code	Course Title	L	T	P	Credits
ITPG			Semester – I				
ITPG	1	1IT601	Advanced Web Technology	3	0	0	3
ITPG	1	1IT602	Servers and Storage	3	0	0	3
ITPG	1	1IT6xx	Elective – I	3	0	0	3
ITPG	1	1IT6xx	Elective – II	3	0	0	3
ITPG	1	1IT6xx	Elective – III	3	0	0	3
ITPG	1	1IT603	Advanced IT Lab-I	0	0	6	4
			Semester Credit Total	15	0	6	19
ITPG							
ITPG			Semester – II				
ITPG	2	2IT604	Soft Computing	3	0	0	3
ITPG	2	2IT6xx	Elective – IV	3	0	0	3
ITPG	2	2IT6xx	Elective – V	3	0	0	3
ITPG	2	2IT6xx	Elective – VI	3	0	0	3
ITPG	2	2IT6xx	Elective – VII	3	0	0	3
ITPG	2	2IT605	Advanced IT Lab-II	0	0	6	4
ITPG	2	2IT691	Seminar	0	0	3	2
ITPG			Semester Credit Total	15	0	9	21
ITPG							
ITPG			Semester – III				
ITPG	3	3IT692	Seminar and Comprehensive Viva	0	0	3	2
ITPG	3	3IT693	Dissertation (to be continued in 4 th Sem)	0	0	12	8
ITPG			Semester Credit Total	0	0	15	10
ITPG							
ITPG			Semester – IV				
ITPG	4	4IT694	Seminar and Comprehensive Viva	0	0	3	2
ITPG	4	4IT695	Dissertation	0	0	15	10
ITPG			Semester Credit Total	0	0	18	12
ITPG			Cumulative Total Credit				62

List of Electives I,II,III,IV,V,VI & VII

ITPG	S.No	Course Code	List of Electives	L	T	P	Pool
ITPG	1	IT621	Pattern Recognition	3	0	0	Intelligent System
ITPG	2	IT622	Artificial Intelligence	3	0	0	
ITPG	3	IT623	Nature inspired Computing Methods	3	0	0	
ITPG	4	IT624	Optimization Theory	3	0	0	
ITPG	5	IT625	Web Search and Mining	3	0	0	
ITPG	6	IT626	Neural Network and its Application	3	0	0	
ITPG	7	IT627	Machine Learning	3	0	0	

Intelligent System

ITPG	S.No	Course Code	List of Electives	L	T	P
ITPG	8	IT628	Information Retrieval Techniques			
ITPG	9	IT629	Expert Systems	3	0	0
ITPG	10	IT630	Game Theory	3	0	0
ITPG	11	IT631	Natural Language Processing	3	0	0
ITPG	12	IT632	Computational Intelligence	3	0	0
ITPG	13	IT633	Cloud Computing	3	0	0
ITPG	14	IT634	Computational Biology	3	0	0
ITPG	15	IT635	Statistical Computing	3	0	0
ITPG	16	IT636	Computational Neuro Science	3	0	0
ITPG	17	IT637	Multi modal Biometrics	3	0	0
ITPG	18	IT638	DNA Computing	3	0	0
ITPG	19	IT639	Financial Data Analysis and Computing	3	0	0
ITPG	20	IT640	Advanced Data Mining	3	0	0
ITPG	21	IT641	Computational Geometry	3	0	0
ITPG	22	IT642	Ubiquitous Computing	3	0	0
ITPG	23	IT643	Advanced Algorithms	3	0	0
ITPG	24	IT644	Social Networks	3	0	0
ITPG	25	IT645	Wireless Network	3	0	0
ITPG	26	IT646	Queuing Theory and Data Networks	3	0	0
ITPG	27	IT647	Network Management System	3	0	0
ITPG	28	IT648	Internet Technologies	3	0	0
ITPG	29	IT649	Mobile Network Systems	3	0	0
ITPG	30	IT650	Next Generation Networks	3	0	0
ITPG	31	IT651	Design and Analysis of Computer Networks	3	0	0
ITPG	32	IT652	Advanced Networks	3	0	0
ITPG	33	IT653	Software Testing	3	0	0
ITPG	34	IT654	Aspect Oriented Programming	3	0	0
ITPG	35	IT655	Object Oriented Software Engineering	3	0	0
ITPG	36	IT656	Component based Software Development	3	0	0
ITPG	37	IT657	Software Project Management	3	0	0
ITPG	38	IT658	Quality Management	3	0	0
ITPG	39	IT659	Object Oriented Design	3	0	0
ITPG	40	IT660	Wireless Network Security	3	0	0
ITPG	41	IT661	Cyber Security	3	0	0
ITPG	42	IT662	Cryptography and Coding Theory	3	0	0
ITPG	43	IT663	Mathematical Foundation of Cryptography	3	0	0
ITPG	44	IT664	Information Theory	3	0	0
ITPG	45	IT665	Digital Evidence and Computer Crime	3	0	0
ITPG	46	IT666	Secured Network Protocols	3	0	0
ITPG	47	IT667	Access Control and Identity Management	3	0	0
ITPG	48	IT668	Security Assessment and Verification	3	0	0
ITPG	49	IT669	Digital Watermarking and Steganography	3	0	0

Computing

Advanced Networking

Software Engineering

Information & Network Security

ITPG	50	IT670	Trust Management in E-Commerce	3	0	0
ITPG	51	IT671	Number Theory	3	0	0
ITPG	52	IT672	Security in Computing	3	0	0
ITPG	53	IT673	Database Security	3	0	0
ITPG	54	IT674	Computer Law and Ethics	3	0	0
ITPG	55	IT675	Advanced Information Security	3	0	0
