Faculty Name: Science

Programme Name: Master of Science (Information Technology)

Programme Structure Summary

SEMESTER 1											
Course Group	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
			T	P	Tu	Cont. Hrs					
Core Courses	Software Engineering	4	4	-	-	4	50/20	50/20	-	-	100/40
	Advanced Java	4	4	-	-	4	50/20	50/20	-	-	100/40
	ASP.NET Using C#	4	4	-	-	4	50/20	50/20	-	-	100/40
	Practical Based on Advanced Java	4	-	8	-	8	-	-	50/20	50/20	100/40
	Practical Based on ASP.NET Using C#	4	-	8	-	8	-	-	50/20	50/20	100/40
	Comprehensive Viva-Voce	1	-	-	-	-	-	-	-	50/20	50/20
Elective Course (any one)	Artificial Intelligence	4	4	-	-	4	50/20	50/20	-	-	100/40
	Network Security & Cryptography	4	4	-	-	4	50/20	50/20	-	-	100/40

SEMESTER 2											
Course Group	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
			T	P	Tu	Cont. Hrs					
Core Courses	Internet Of Things (IOT)	4	4	-	-	4	50/20	50/20	-	-	100/40
	Application Development Using Advanced .NET	4	4	-	-	4	50/20	50/20	-	-	100/40
	Data Science Using Python And R	4	4	-	-	4	50/20	50/20	-	-	100/40
	Practical Based on Application Development Using Advanced .NET	4	-	8	-	8	-	-	50/20	50/20	100/40
	Practical Based on Data Science Using Python And R	4	-	8	-	8	-	-	50/20	50/20	100/40
	Comprehensive Viva-Voce	1	-	-	-	-	-	-	-	50/20	50/20
Elective Course (any one)	Cloud Computing	4	4	-	-	4	50/20	50/20	-	-	100/40
	Digital Image Processing	4	4	-	-	4	50/20	50/20	-	-	100/40

SEMESTER 3											
Course Group	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
			T	P	Tu	Cont. Hrs					
Core Courses	Computer Networks	4	4	-	-	4	50/20	50/20	-	-	100/40
	Mobile Application Development	4	4	-	-	4	50/20	50/20	-	-	100/40
	Web Programming	4	4	-	-	4	50/20	50/20	-	-	100/40
	Practical Based on Mobile Application Development	4	-	8	-	8	-	-	50/20	50/20	100/40
	Practical Based on Web Programming	4	-	8	-	8	-	-	50/20	50/20	100/40
	Comprehensive Viva-Voce	1	-	-	-	-	-	-	-	50/20	50/20
Elective (any one)	Software Testing	4	4	-	-	4	50/20	50/20	-	-	100/40
	Machine Learning & its Applications	4	4	-	-	4	50/20	50/20	-	-	100/40

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SEMESTER 4											
Course Group	Course Name	Cr	Teaching Scheme				INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./ Passing	EXT(P) Max./ Passing	Grand Total Max./ Passing
			T	P	Tu	Cont. Hrs					
Core Courses	Project Work	24	-	-	-	-	-	-	240/96	360/144	600/240
	Comprehensive Viva-Voce	1	-	-	-	-	-	-	-	50/20	50/20

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Programme Outcomes

PO-1	An ability to apply the theoretical concepts and practical knowledge of Information Technology in analysis, design, development and management of information processing systems and applications also in the interdisciplinary domain.
PO-2	An ability to work as a socially responsible professional or as an entrepreneur by applying Information Technology principles and management practices.
PO-3	An ability to use and apply current technical concepts and practices in the core information technologies.
PO-4	Students understand all dimensions of the concepts of software application and projects.
PO-5	Ability to pursue research in IT area.
PO-6	An ability to design, implements, and evaluate a computer-based system, process, component, or program to meet desired needs.
PO-7	Get industrial exposure through the 4.5 months Industrial Internship in IT industry.
PO-8	To make them employable according to current demand of IT Industry and responsible citizen.