

Revised Master of Science in Information Technology (MSc IT) Program Structure

To be applicable w.e.f. July 2009 Session Onwards
(Cycle II of 2009) for New Admission

1st Semester

Course code	Course Title	Credits
MS 11	Computer Programming	5
MS 11-L	Computer Programming (Lab)	1
MS 12	Algorithm Analysis and Design	4
MS 12-L	Algorithm Analysis and Design (Lab)	1
MS 13	Discrete Mathematics	3
MS 14	Advanced RDBMS	3
MS 14-L	Advanced RDBMS	1
Total Credits		18

2nd Semester

Course code	Course Title	Credits
MS 21	Software Quality and Testing	4
MS 22	Advanced Communication Networks	3
MS 23	OOAD and UML	3
MS 23-L	OOAD and UML (Lab)	1
MS 24	Advanced JAVA	4
MS 24-L	Advanced JAVA (Lab)	1
MS 25	Software Architecture	2
Total Credits		18

3rd Semester

Course code	Course Title	Credits
MS 31	Project Management and Planning	3
MS 32	Client Server Computing	3
MS 33	Real Time System	2
MS 34	Project	4

Electives Stream 1: E-Commerce

MS 3E11	E-Business	3
MS 3E12	Data warehousing / Data mining	3

Electives Stream 2: Systems and Networking

MS 3E21	Internet Programming	3
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MS 3E22	Mobile Computing	3
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Electives Stream 3: Multimedia and Cognition

MS 3E31	Pattern Recognition	3
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MS 3E32	Multimedia Computing	3
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Total Credits		18
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4th Semester

MS 41	.NET Technology	4
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MS 42	Component Technologies	3
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MS 43	VLSI	2
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MS 44	Project	6
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Electives Stream 1: E-Commerce

MS 4E13	Cyber Laws	2
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MS 4E14	Application Servers	2
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Electives Stream 2: Systems and Networking

MS 4E23	Voice and Video over IP	2
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MS 4E24	Embedded Systems	2
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Electives Stream 3: Multimedia and Cognition

MS 4E33	Artificial Intelligence	2
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MS 4E34	Image Processing	2
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Total Credits		19
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