

Master of Engineering in Software Engineering

FIRST SEMESTER

Theoretical Courses	Subjects		Periods/Weeks		Marks		Credit Points
	Subject Code	Subject Name	Lecture	Sessional	Examination	Sessional	
Departmental / Specialization Basket							
Paper-I	PG / SWE / T / 111A	Information Systems Engineering	3		100		3
	PG / SWE / T / 111B	Formal Methods in Software Engineering					
Paper-II	PG / SWE / T / 112A	Principles of Software Engineering	3		100		3
Paper-III	PG / SWE / T / 113A	Operating Systems and Kernel Programming	3		100		3
<p>Note: The students have to select 3 subjects from the departmental/ specialization basket, i.e. one subject each from the list given in the baskets of Paper-I, Paper-II and Paper-III</p>							
Inter-Disciplinary Basket							
Paper-IV	PG / SWE / T / 114A	Algorithms and Data Structures	3		100		3
Paper-V	PG / SWE / T / 115A	Network Technologies	3		100		3
Paper-VI	PG / SWE / T / 116A	Advanced Data Bases	3		100		3
	PG / SWE / T / 116B	Evolutionary Algorithms					
<p>Note: The students have to select 3 subjects from the inter-departmental basket, i.e. one subject each from the list given in the baskets of Paper-IV, Paper-V and Paper-VI</p>							
Sessional Courses							
Sessional 1	PG / SWE / S / 111	Software Laboratory		6		100	3
Sessional 2	PG / SWE / S / 112	Seminar		0		200 marks to be included in 2 nd semester	
			18	6	600	100	21

Total Periods/Week = 24

Total Marks = 700

SECOND SEMESTER

Theoretical Courses	Subjects		Periods/Weeks		Marks		Credit Points
	Subject Code	Subject Name	Lecture	Sessional	Examination	Sessional	
Departmental / Specialization Basket							
Paper-VII	PG / SWE / T/ 127A	Object Oriented Software Systems	3		100		3
Paper-VIII	PG / SWE / T/ 128A	Distributed Software Architecture	3		100		3
Paper-IX	PG / SWE / T/ 129A	Software Quality Management	3		100		3
	PG / SWE / T/ 129B	Information & Network Security					

Note: The students have to select 3 subjects from the departmental/ specialization basket, i.e. one subject each from the list given in the baskets of Paper-VII, Paper-VIII and Paper-IX

Inter-Disciplinary Basket	Subject Code	Subject Name	Lecture	Sessional	Examination	Sessional	Credit Points
	Paper-X		Real Time Embedded Systems From the inter-disciplinary basket of Power Engineering	3		100	
	PG / SWE / T/ 1210B	Parallel Processing					
	PG / SWE / T/ 1210C	Mobile and Wireless Systems and Protocols					

Note: The students have the freedom to choose one subject from the list under Paper-X.

Sessional Courses							
Sessional 1	PG / SWE / S / 121	Term Paper Leading to Thesis		3		100	3
Sessional 2	PG / SWE / S / 122	Seminar		6		200	6
			12	9		400	21

Total Periods/Week = 21

Total Marks = 700

THIRD and FOURTH SEMESTER

Courses							
1	PG / SWE / TH / 21	Thesis Work		16		300	12
2	PG / SWE / VV / 22	Viva-Voce on Thesis				100	
				16		400	12

Total Periods/Week = 16

Total Marks = 400