## **Course Structure for ME (Computer Engineering)**

Subject Code	Subject	Hrs/Week		ation Scheme			Credits		
		Lect.	Pract	P	aper	Tw	Oral/P resenta tion	Marks	
				In Semest er Assess ment	End Semest er Assess ment	t			
		ŝ	SEM —	Ι					
510101	Applied Algorithms	04		50	50	_	_	100	4
510102	High Performance Databases	04		50	50	_		100	4
510103	Advanced Computer Architecture	04	_	50	50	_	_	100	4
510104	Research Methodology	04	_	50	50			100	4
510105	Elective –I	05	_	50	50#	_		100	5
510106	Laboratory Practice-I		04			50	50	100	4
	Total	21	04	250	250	50	50	600	25
Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme					Credits
			Pract	Paj	per		Oral/Pre sentation	Marks	
				Assess ment	End Semes ter Assess ment				
			EM—						4
510107	Operating System Design	04		50	50			100	4

			-						
510108	Software Design and Architecture	04	_	50	50		_	100	4
510109	Advanced Computer Networks	04		50	50		_	100	4
510110	Elective –II	05		50	50#		_	100	5
510111	Laboratory Practice-II		04			50	50	100	4
510112	Seminar-I		04			50	50	100	4
	Total	17	08	200	200	100	100	600	25
Subject Code	Subject	Sch	Teaching Examination Scheme   Scheme Hrs/Week				Credits		
			Pract	Pa	per	Tw	Oral/Pre sentation	Marks	
				ter Assess ment	End Semes ter Assess ment				
		S	E <b>M</b> — 1	Π					
610101	Advanced Storage Systems and Infrastructure Management	04		50	50		_	100	4
610102	Advanced Unix Programming	04		50	50		_	100	4
610103	Elective-III	04	_	50	50#		_	100	4
610104	Seminar –II	05				50	50	100	5
610105	Dissertation Stage – I	_	08	_		50	50	100	8
	Total	17	08	150	150	100	100	500	25

Subject Code	Subject	Teaching Scheme Hrs/Week		Examination Scheme				Credits
		Lect.	Pract	Paper		Oral/Pre sentation	Marks	

				Semes ter Assess ment	End Semes ter Assess ment				
		<u> </u>	E <b>M</b> — 1	IV				-	
610106	Seminar –III	—	05	_	_	50	50	100	5
610107	Dissertation Stage – II		20	_	_	150	50	200	20
	Total		25			200	100	300	25

#: End semester assessment is done Internally in the respective college. All electives have Open Elective option that can be Inter/intra disciplinary. The elective can have three modules having credits (2+2+1) = 5. Colleges can offer electives independently with Industry-Institute Interaction and can perform assessment and produce certificate.

**Electives:** 

	Elective I	Elective II					
510105A	0105A Intelligent Systems		<b>Business Intelligence and Data Mining</b>				
510105B	IR and Web Mining	510110B	Usability Engineering				
510105C	Machine Learning and Translation	510110C	Advanced Complier Design				
510105D	<b>Open Elective /Real Time Systems</b>	510110D	<b>Open Elective/ Embedded System</b>				
			Design				

	Elective III						
610103A	610103A Network Security						
610103B	610103B Cloud Computing						
610103C	Computer Vision and Pattern						
	Recognition						
610103D	<b>Open Elective/ Soft Computing</b>						

The dissertation must result into the publication of at least two research papers (at Stage–I and Stage-II respectively) preferably in the Journal having Citation Index 2.0 and ISSN number; or reputed International Journal recommended by the guide of the Dissertation and the BoS supported cPGCON event certificate of paper presentation and participation. The guides certificate covering originality of the work and plagiarism-testing result shall be included in the report along with the Published Journal Papers and. cPGCON certificates. The comments received by the journal paper reviewers be attached in the Dissertation report and shall be made available during dissertation presentation/viva-voce to the examiners.