

# M.TECH IN COMPUTER SCIENCE AND ENGINEERING

## First Semester

<u>Theory</u>		<u>Contact Hours</u>		
	<u>Professional Core</u>		<u>L-T-P</u>	<u>Credit</u>
CSPC101	Analysis and Design of Algorithm	-	3-1-0	4credits
CSPC102	Advanced Computer Architecture	-	3-1-0	4 credits
CSPC103	Object Oriented System	-	3 -1-0	4 credits
<u>Professional Electives (Any TWO)</u>		-	3-0-0	3 credits each
CSPE101	Real-Time Systems			
CSPE102	Computational Intelligence			
CSPE103	Service Oriented Architecture			
CSPE104	Computer Graphics			
CSPE105	Wireless Sensor Network			
CSPE106	Stochastic Process			
CSPE107	Formal Language & Automata Theory			

<u>Practicals / Sessionals</u>		<u>Contact Hours</u>		
			<u>L-T-P</u>	<u>Credit</u>
CSPR101	Software Technologies Lab. - I	-	0-0-4	4 credits
CSPT101	Pre-thesis work & Seminar	-	0-0-3	2 credits

Total

24 Credits

## Second Semester

<u>Theory</u>		<u>Contact Hours</u>		<u>Credit</u>
<b><u>Professional Core</u></b>		<b><u>L-T-P</u></b>		
CSPC201	Software Engineering	-	3-1- 0	4credits
CSPC202	Distributed Operating System	-	3-1- 0	4credits
<b><u>Professional Electives - III (Any One) -</u></b>		<b>3-0- 0</b>	<b>3credits</b>	
CSPE201	Distributed Database System			
CSPE202	Compiler Construction			
CSPE203	Simulation and Modeling			
<b><u>Professional Electives - IV (Any One) -</u></b>		<b>3-0- 0</b>	<b>3credits</b>	
CSPE204	Mobile Computing			
ITPC201	J2EE			
CSPE205	Graph Theory			
CSPE206	VLSI Design			
<b><u>Professional Electives - V (Any One) -</u></b>		<b>3-0- 0</b>	<b>3credits</b>	
CSPE207	Cryptography			
CSPE208	Speech Processing			
CSPE209	Pattern Recognition			
CSPE210	Embedded System			
		<b><u>Practicals / Sessionals</u></b>		
		<b><u>Contact Hours</u></b>		
		<b><u>L-T-P</u></b>	<b><u>Credit</u></b>	
CSPR201	Software Technologies Lab. - II	0-0-4	4 credits	
CSPT201	Pre-thesis work & Seminar	0-0-3	2 credits	
CSCV201	Comprehensive Viva-voce -I	0-0-3	2 credits	

Total

25 Credits

### Third Semester

<u>Theory</u>	<u>Contact Hours</u>	<u>Credit</u>
<u>Open Elective (Any One)</u>	<u>L-T-P</u>	
1. Data Mining and Data Warehousing	3-0-0	3 credits
2. ERP		
3. Digital Image Processing		
4. Software Project Management		
5. Bio-Informatics		
THESIS Part -I		14 Credits
Total		17 Credits

### Fourth Semester

CSPT401	Thesis Part - II	20
	Credits	
CSCV401	Seminar	2
	Credits	
CSCV402	Comprehensive Viva-Voce-II	2
	Credits	
Total		24 Credits

**Grand Total = 90 Credits**