

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination – 2018-19 M.Tech INFORMATION TECHNOLOGY (SIT) Outcome Based Education(OBE) and Choice Based Credit System (CBCS)										
I SEMESTER										
Sl. No	Course	Course Code	CourseTitle	Teaching Hours /Week		Examination			Credits	
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks		Total Marks
1	PCC	18SIT11	Mathematical Foundation of Computer Science	04	--	03	40	60	100	4
2	PCC	18SIT12	Enterprise Application Programming	04	--	03	40	60	100	4
3	PCC	18SIT13	Data Compression	04	--	03	40	60	100	4
4	PCC	18SIT14	Advances in Data Base Management System	04	--	03	40	60	100	4
5	PEC	18SIT15X	Professional Elective -1	04	--	03	40	60	100	4
6	PCC	18SITL16	Data Compression and ADBMS Laboratory	-	04	03	40	60	100	2
7	PCC	18RMI17	Research Methodology and IPR	02	--	03	40	60	100	2
TOTAL				22	04	21	280	420	700	24
Note: PCC: Professional core, PEC: Professional Elective.										
Professional Elective 1										
Course Code under 18SIT15X		Course title								
18SIT151		Client Server Programming								
18SIT152		Information storage Management								
18SIT153		Service Oriented Architecture								
18SIT154		Distributed Operating System								
Internship: All the students have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted for the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during the subsequent University examination after satisfying the internship requirements.										

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II SEMESTER										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC	18SIT21	Web Services	04	--	03	40	60	100	4
2	PCC	18SIT22	Cloud Computing	04	--	03	40	60	100	4
3	PCC	18SIT23	Data Mining & Data Warehousing	04	--	03	40	60	100	4
4	PEC	18SIT24X	Professional elective 2	04	--	03	40	60	100	4
5	PEC	18SIT25X	Professional elective 3	04	--	03	40	60	100	4
6	PCC	18SITL26	Mini Project	--	04	03	40	60	100	2
7	PCC	18SIT27	Technical Seminar	--	02	--	100	--	100	2
TOTAL				20	06	18	340	360	700	24
Note: PCC: Professional core, PEC: Professional Elective.										
Professional Elective 2					Professional Elective 3					
Course Code under 18SIT24X		Course title			Course Code under 18SIT25X		Course title			
18SIT241		Mobile Application Development			18SIT251		Advances in Computer Graphics			
18SIT242		Bioinformatics			18SIT252		Business Intelligence and its Applications			
18SIT243		Software Metrics & Quality Assurance			18SIT253		Advances in Storage Area Network			
18SIT244		Cyber Security and Cyber law			18SIT254		Software Project Planning & Management			
Note:										
<p>1. Technical Seminar: CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a senior faculty of the department. Participation in the seminar by all postgraduate students of the same and other semesters of the programme shall be mandatory.</p> <p>The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>2. Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted in the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during the subsequent University examination after satisfying the internship requirements.</p>										

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III SEMESTER										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination			Credits	
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks		Total Marks
1	PCC	18SIT31	Managing Big Data	04	--	03	40	60	100	4
2	PEC	18SIT32X	Professional elective4	04	--	03	40	60	100	4
3	PEC	18SIT33X	Professional elective 5	04	--	03	40	60	100	4
4	Project	18SIT34	Evaluation of Project phase -1	--	02	--	100	--	100	2
5	Intenship	18SITI35	Internship	(Completed during the intervening vacation of I and II semesters and /or II and III semesters.)		03	40	60	100	6
TOTAL				12	02	12	260	240	500	20
Note: PCC: Professional core, PEC: Professional Elective.										
Professional elective 4					Professional elective 5					
Course Code under 18SIT32X	Course title			Course Code under 18SIT33X	Course title					
18SIT321	Supply Chain Management			18SIT331	Agile Technologies					
18SIT322	Machine Learning Techniques			18SIT332	Database Security					
18SIT323	Trends in Artificial Intelligence and Soft Computing			18SIT333	Object Oriented Software Engineering					
18SIT324	Web Engineering			18SIT334	Advances In Operating Systems					
Note:										
<p>1. Project Phase-1: Students in consultation with the guide/co-guide if any, shall pursue literature survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant introductory project document, and present a seminar. CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide if any, and a senior faculty of the department. The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>SEE (University examination) shall be as per the University norms.</p> <p>2. Internship: Those, who have not pursued /completed the internship shall be declared as failed and have to complete during subsequent University examinations after satisfying the internship requirements.</p> <p>Internship SEE (University examination) shall be as per the University norms.</p>										

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IV SEMESTER										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination			Credits	
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks Viva voce		Total Marks
1	Project	18SIT41	Project work phase -2	--	04	03	40	60	100	20
TOTAL				--	04	03	40	60	100	20
<p>Note: 1. Project Phase-2: CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a Senior faculty of the department. The CIE marks awarded for project work phase -2, shall be based on the evaluation of Project Report subjected to plagiarism check, Project Presentation skill and Question and Answer session in the ratio 50:25:25. SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism check, shall be as per the University norms.</p>										

