

Master of Technology (M.Tech)														
Department Name - CSE Cyber Security														
Faculty of Engineering and Technology														
Parul University														
Teaching and Examination Scheme for Batch 2025-26 (As per NEP 2020)														
Semester 1														
				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)										
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
6.5		Professional Core Courses (PCC)												
	03023301PC01	Advanced Web Applications Security	3	3	-	-	20	-	20	60	-			100
	03023301PC02	Advanced Web Applications Security Laboratory	1	-	2	-		20			30			50
	03023301PC03	Advance Mobile Application Architecture & Security	3	3	-	-	20	-	20	60	-			100
	03023301PC04	Advance Mobile Application Architecture & Security Laboratory	1	-	2	-		20			30			50
	03023301PC05	Advanced Computer Networks & Security	4	3	2	-	20		20	60				100
	03023301PC06	Advanced Computer Networks & Security Laboratory	1	-	2	-		20			30			50
		Professional Elective Courses (PECs-I)												
	03020201PE01	Machine Learning	3	3	0	-	20	-	20	60	-			100
	03020201PE02	Machine Learning Laboratory	1	0	2	-		20			30			50
	03023301PE01	Applied Cryptography	3	3	0	-	20	-	20	60	-			100
	03023301PE02	Applied Cryptography Laboratory	1	0	2	-		20			30			50
	03023301PE03	Digital Forensic & Incident Response	3	3	0	-	20	-	20	60	-			100
	03023301PE04	Digital Forensic & Incident Response Laboratory	1	0	2	-		20			30			50

		Humanities and Social Science, including Management Courses (HSMC)												
03020201HM01	Research Methodology & IPR	4	4	0	-	20	0	20	60	0				100
	Mandatory courses (MNC-I)													
03020001MC01	English for Research Paper Writing	0	2	-	-	-	-	50	-	-			25	50
03021601MC01	Disaster Management	0	2	-	-	-	-	50	-	-			25	50
03020001MC02	Value Education	0	2	-	-	-	-	50	-	-			25	50
	Total credits													

Semester 2

				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks	
				(Hours / Week)											
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.		
		Professional Core Courses (PCC)													
	03023302PC01	Security Monitoring / Advance Cyber Security Tools	3	3	-	-	20		20	60				100	
	03023302PC02	Security Monitoring / Advance Cyber Security Tools Laboratory	1	-	2	-		20			30			50	
	03023302PC03	Information Security Management System	3	3	-	-	20	-	20	60	-			100	
	03023302PC04	Information Security Management System Laboratory	1	-	2	-	-	20	0	-	30			50	
		Professional Elective Courses (PECs-II)													
	03023302PE01	Mobile and wireless communication security	3	3	-	-	20		20	60					100
	03023302PE02	Mobile and wireless communication security Laboratory	1	-	2	-		20			30				50
	03023302PE03	Reverse Engineering and Malware Analysis	3	3	-	-	20		20	60					100
	03023302PE04	Reverse Engineering and Malware Analysis Laboratory	1	-	2	-		20			30				50
	03023302PE05	CyberLaws and Ethics	3	3	-	-	20		20	60					100
	03023302PE06	CyberLaws and Ethics Laboratory	1	-	2	-		20			30				50
		Professional Elective Courses (PECs-III)													
	03023302PE07	Fundamentals of InfoSec, SCADA & IOT	3	3	-	-	20		20	60					100
	03023302PE08	Fundamentals of InfoSec, SCADA & IOT Laboratory	1	-	2	-		20			30				50

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Semester 3														
				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)										
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
7		Disseration												
	03020203IN01	Disseration Phase-I	20	-	40	-		100			100			200
		Total credits	20											

Semester 4														
				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)										
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
7		Disseration												
	03020204IN01	Disseration Phase-II	20	-	40	-		100			100			200
		Total credits	20											
				(Hours / Week)										