

School of Computer Science and Engineering
Department of Computer Science and Engineering

M. Tech CSE (With specialization in Cloud Technology and Information Security)
Semester – I

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PCI101	Advanced Operating System	3	1	--	4	50	-	50	--	100
2	PC	PCI102	Information Security	3	--	--	3	50	-	50	--	100
3	UC	17RDP101	Research Methodology	4	--	--	4	50	--	50	--	100
4	PC	PCI103	Cloud Architecture	3	1	--	4	50	--	50		100
5	PE	PCIE__	Program Elective I	3	1	--	4	50	-	50		100
6	PC	PCI111	Information Security Laboratory	--	--	4	2	--	25	--	25	50
7	PC	PCI112	Cloud Computing Laboratory	--	--	4	2	--	25	--	25	50
TOTAL				16	02	8	23	250	50	250	50	600

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Activity/Project and Research based Learning with Seminar Presentation
		CIA 4	10%	Discipline and Attendance
		TOTAL	50%	

Program Elective I:

- 1) Advanced Storage Technology(PCIE01)
- 2) Advanced Network Administration(PCIE02)
- 3) System Security Management (PCIE03)
- 4) Principles of Secure Coding (PCIE04)

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Semester – II

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PCI201	Cloud Security	3	--	--	3	50	--	50		100
2	PC	PCI202	Wireless and Mobile Security	3	1	--	4	50	--	50	--	100
3	PC	PCI203	Internet of Things	3	1	--	4	50	--	50	--	100
4	PE	PCIE__	Program Elective II	3	--	--	3	50	--	50	--	100
5	PC	PCI211	Wireless Communication Laboratory	--	--	4	2	--	25	--	25	50
6	PC	PCI212	Internet of Things Laboratory	--	--	4	2	--	25	--	25	50
7	PC	PCI213	Seminar-I	--	--	8	4	--	50	--	50	100
TOTAL				12	02	16	22	200	100	200	100	600

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		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Activity/Project and Research based Learning with Seminar Presentation
		CIA 4	10%	Discipline and Attendance

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Semester – III

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment		Summative Assessment		
								CIA		ESE		
								Course	Lab	Course	Lab	
1	PC	PCI301	Applied Cyber Security	4	--	--	4	50	--	50	--	100
2	PC	PCI302	Machine Learning	3	1	--	4	50	--	50	--	100
3	PE	PCIE__	Program Elective III	4	--	--	4	50	--	50	--	100
4	PC	PCI311	Seminar-II	--	--	8	4	--	50	--	50	100
5	UC	PCI312	Dissertation Stage-I	--	--	16	8	--	50	--	50	100
TOTAL				11	01	24	24	150	100	150	100	500

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		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Activity/Project and Research based Learning with Seminar Presentation
		CIA 4	10%	Discipline and Attendance
		TOTAL	50%	

Program Elective III:

- 1) Software Design Techniques and Security (**PCIE08**)
- 2) Information Security Management and Standards (**PCIE09**)
- 3) Penetration Testing and Vulnerability Assessment (**PCIE10**)
- 4) Mobile and Digital Forensics (**PCIE11**)



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Semester – IV

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PCI411	Seminar -III	--	--	4	4		50		50	100
2	UC	PCI412	Dissertation Stage-II	--	--	16	8	--	100	--	100	200
TOTAL				00	00	20	12	00	150	00	150	300

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Activity/Project and Research based Learning with Seminar Presentation
		CIA 4	10%	Discipline and Attendance
		TOTAL	50%	