

Course Structure for Postgraduate Programme of Master of Technology in Computer Science and Engineering (with Specialization in Cloud Technology and Information Security)

Semester – I

Sr. No.	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	
01	PCI101	Advanced Operating System	3	--	--	3	50	--	50	--	100
02	PCI102	Information Security	3	--	--	3	50	--	50	--	100
03	PCI103	Research Methodology	4	--	--	4	50	--	50	--	100
04	PCI104	Institute ElectiveI	3	1		3	50	--	50		100
05	PCI105	Professional Elective I	3	1		3	50	--	50		100
06	PCI111	Network Security Lab	--	--	4	2	--	25	--	25	50
07	PCI112	Cloud Computing Lab	--	--	4	2	--	25	--	25	50
		TOTAL	16	2	8	20	250	50	250	50	600

Institute ElectiveI: 1) Cloud Security(PCI104I)
 2) Advanced Storage Technology(PCI104II)
 3) Advanced Network Administration(PCI104III)

Professional ElectiveI: 1) System Security Management (PCI105I)
 2) Principles of Secure Coding (PCI105II)

CIA	1	2 *	3	4
		10 %	20%	10%
Course				
Lab				
*CIA 2 Written Examination				

Course Structure for Postgraduate Programme of Master of Technology in Computer Science and Engineering (with Specialization in Cloud Technology and Information Security)

Semester – II

Sr. No.	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	PCI201	Cloud Architectures	3	--	--	3	50	--	50	--	100
2	PCI202	Wireless and Mobile Security	3	--	--	3	50	--	50	--	100
3	PCI203	Institute Elective II	3	--	--	3	50	--	50	--	100
4	PCI204	Professional Elective II	3	--	--	3	50	--	50	--	100
5	PCI205	Mini Project	--	--	4	4	--	50	--	50	100
6	PCI211	Wireless Communication Lab	--	--	4	2	--	25	--	25	50
7	PCI212	Internet of Things Lab	--	--	4	2	--	25	--	25	50
Total			12	--	12	20	200	100	200	100	600

Institute Elective II: 1) Data Center Networking
2) Managing Virtual Environments

Professional Elective II: 1) Internet of Things
2) Data Mining

CIA	1	2 *	3	4
	10 %	20%	10%	10%
Course				
Lab				
*CIA 2 Written Examination				