



School of Computer Science and Engineering

M. Tech. SCHEME

Computer Science and Engineering

(Batch 2021-23)

POORNIMA UNIVERSITY								
School of Computer Science and Engineering								
	Name of Program: M. Tech. Computer Science and Engineering, Batch: 2021-23 Teaching Scheme for Year – I, Semester- I							
	Teaching Scheme for h		ching Scher			Mark	6	
			rs per Weel		Distribution			ç
~ ~ ~								Credits
Course Code	Course Name	Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	ŝ
А.	University Core Courses							
A.1	Theory							
	-	-	-	-	-	-	•	-
A.2	Practical							
	-	-	-	-	-	-	-	-
B.	Department Core Courses							
B.1	Theory							
MCECCE1101	Advanced Topics in Algorithms	4	-	-	40	60	100	4
MCECCE1102	Advanced Data Structure	4	-	-	40	60	100	4
B.2	Practical							
MCECCE1201	R Programming Lab-I	-	-	2	60	40	100	1
С.	Department Elective: Any Two							
MCEECE1111	Linear Algebra and Optimization							
MCEECE1112	Parallel and Distributed Computing	4	-	-	40	60	100	4
MCEECE1113	Distributed Operating Systems							
MCEECE1121	R Language							
MCEECE1122	Stochastic Models				4.0		100	
MCEECE1123	Data Mining & Data Warehousing	4	-	-	40	60	100	4
MCEECE1124	Embedded Systems							
D.	Open Elective: Anyone							
	Nil	-	-	-	-	-	-	-
	Humanities and Social Sciences							
	including Management courses							
E.	OR							
	Ability Enhancement Compulsory							
	Course (AECC)							
MCECHM1202	Soft Skills-I	-	-	2	60	40	100	1
	Skill Enhancement Courses (SEC)							
E.								
F.	Project work, Seminar and							
	Internship in Industry or Elsewhere							
MCECCE1401	Seminar-I	_	_	2	60	40	100	1
MCLCCE1401	Social Outreach, Discipline, TEP,				00	70	100	*
	VAC& Extra Curricular							
G.	Activities							
	Discipline and Talent Enrichment	-	-	2	50	-	50	1
MCECCE1601	Programme-I			-				
	Total	16		8				20
	Total Teaching Hours		24					
	0							

POORNIMA UNIVERSITY								
School of Computer Science and Engineering								
Name of Program: M. Tech. Computer Science and Engineering, Batch: 2021-23								
Teaching Scheme for Year – I, Semester- II								
		Teaching Scheme (Hrs per Week)			Marks Distribution			Cr
Course Code	Course Name	Lecture (L)	Tutorials (T)		IE	ESE	Total	Credits
А.	University Core Courses							
A.1	Theory							
	-	-	-	-	-	-	-	-
A.2	Practical							
	-	-	-	-	-	-	-	-
В.	Department Core Courses							
B.1	Theory				4.2	60	400	
MCECCE2101	Digital Image Processing	4	-	-	40	60	100	4
MCECCE2102	Soft Computing	4	-	-	40	60	100	4
B.2 MCECCE2201	Practical			2	60	40	100	1
C.	Computer Lab-II	-	-	2	60	40	100	1
MCEECE2111	Department Elective: Any TwoDataSciencewithBigData							
WICELCE2111	Analytics							
MCEECE2112	Computer Cryptography & Network	4	_	-	40	60	100	4
WICHECHEITZ	Security				-10	00	100	-
MCEECE2113	Advanced Compilation Techniques							
MCEECE2121	Virtualization & Cloud Computing							
MCEECE2122	Grid Computing	4		-	40	(0)	100	4
MCEECE2123	High Level System Design & Modeling	4	-	-	40	60	100	4
D.	Open Elective: Anyone							
	Nil	-	-	-	-	-	-	-
	Humanities and Social Sciences							
_	including Management courses							
E.	OR							
	Ability Enhancement Compulsory							
MCECHM2202	Course (AECC) Soft Skills-II	-	-	2	60	40	100	1
WICECHIWI2202	Skill Enhancement Courses (SEC)	-	-	2	00	-10	100	1
	OR							
F.	Project work, Seminar and							
	Internship in Industry or							
	Elsewhere							
MCECCE2401	Seminar-II	-	-	2	60	40	100	1
G.	Social Outreach, Discipline, TEP, VAC& Extra Curricular							
	Activities Discipline and Talent Enrichment	_		2	50	-	50	1
MCECCE2601	Programme-II	-	-	2	50	-	50	1
	Total	16		8				20
	Total Teaching Hours		24					

POORNIMA UNIVERSITY									
School of Computer Science and Engineering									
Name of Program: M. Tech. Computer Science and Engineering, Batch: 2021-23									
Teaching Scheme for Year – II, Semester- III									
			Teaching Scheme Marks						
			rs per Week		Distribution			Cre	
Course Code	Course Name	Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	Credits	
А.	University Core Courses								
A.1	Theory								
	-	-	-	-	-	-	-	-	
A.2	Practical								
	-	-	-	-	-	-	-	-	
B.	Department Core Courses								
B.1	Theory								
MCECCE3101	Cloud Web Services	4	-	-	40	60	100	4	
MCECHM3102	Research Methodology	4	-	-	40	60	100	4	
B.2	Practical								
MCECCE3201	Computer Lab-III	-	-	2	60	40	100	1	
C.	Department Elective: Any Two								
	Nil								
D.	Open Elective: Anyone								
	As per attached annexure	4	-	-	40	60	100	4	
	Humanities and Social Sciences								
	including Management courses								
E.	OR								
	Ability Enhancement Compulsory								
	Course (AECC)								
MCECCE3202	Review/Research Paper	-	-	2	60	40	100	1	
	Skill Enhancement Courses (SEC)								
	OR								
F.	Project work, Seminar and								
	Internship in Industry or								
	Elsewhere			-	<u></u>	40	100	2	
MCECCE3301	Dissertation Part-I	-	-	6	60	40	100	3	
	Social Outreach, Discipline, TEP,								
G.	VAC& Extra Curricular								
	Activities		,	•	=	1	=0		
MCECCE3601	Discipline and Talent Enrichment	-	-	2	50	-	50	1	
	Programme-III								
	Total	12		12				18	
	Total Teaching Hours		24						
	Total Teaching Hours		<i>4</i> 7						

POORNIMA UNIVERSITY								
School of Computer Science and Engineering								
	Name of Program: M. Tech. Computer Science and Engineering, Batch: 2021-23							
	Teaching Scheme for Year – II, Semester- IV							
		Teaching Scheme			Marks			
C		(H)	(Hrs per Week)			Distribution		
Course Code	Course Name	Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	Credits
A.	University Core Courses							
A.1	Theory							
	-	-	-	-	-	-	-	-
A.2	Practical							
-	-	-	-	-	-	-	-	-
<u>B.</u>	Department Core Courses							
B.1	Theory							
	-	-	-	-	-	-	•	-
B.2	Practical							
	-	-	-	-	-	-	-	-
C.	Department Elective: At least Two							
	-	-	-	-	-	-	-	-
D.	Open Elective: Anyone							
	-	-	-	-	•	-	-	-
	Humanities and Social Sciences							
Г	including Management courses							
Е.	OR Abilita Enhancement Commulation							
	Ability Enhancement Compulsory							
	Course (AECC)					_		
	- Skill Enhancement Courses (SEC)	-	-	-	-	-	-	-
	OR							
F.	Project work, Seminar and Internship							
	in Industry or Elsewhere							
MCECCE4301	Dissertation Part-II	-	-	-	250	250	500	20
	Social Outreach, Discipline, TEP,							
G.	VAC& Extra Curricular Activities							
	Discipline and Talent Enrichment	-	-	-	50	-	50	1
MCECCE4601	Programme-IV							
	Total	-	-	-				21
	Total Teaching Hours		<u> </u>					

ANNEXTURE

III SEMESTER OPEN ELECTIVE

Course Code	Course Name
MULEEE3107	E-Commerce and Knowledge Management
MULECV3108	Water and Environmental Pollution
MULEME3109	IPR & Patents
MULEEE3110	Robotics
MULEEE3111	Digital India Implementation
MULECV3112	Smart City Design
MULEEE3113	Renewable Energy