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 _____

Course Code	Course Name	Teaching Scheme (Hrs per Week)			Marks Distribution			Credits
		Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	
A.	**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**
C.	**Department Elective: Any Two**							
MCEECE1111	Linear Algebra and Optimization	**4**	**-**	**-**	**40**	**60**	**100**	**4**
MCEECE1112	Parallel and Distributed Computing							
MCEECE1113	Distributed Operating Systems							
MCEECE1121	R Language	**4**	**-**	**-**	**40**	**60**	**100**	**4**
MCEECE1122	Stochastic Models							
MCEECE1123	Data Mining & Data Warehousing							
MCEECE1124	Embedded Systems							
D.	**Open Elective: Anyone**							
	Nil	**-**	**-**	**-**	**-**	**-**	**-**	**-**
E.	**Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)**							
MCECHM1202	Soft Skills-I	**-**	**-**	**2**	**60**	**40**	**100**	**1**
F.	**Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere**							
MCECCE1401	Seminar-I	**-**	**-**	**2**	**60**	**40**	**100**	**1**
G.	**Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities**							
MCECCE1601	Discipline and Talent Enrichment Programme-I	**-**	**-**	**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 – I, Semester- II _____

Course Code	Course Name	Teaching Scheme (Hrs per Week)			Marks Distribution			Credits
		Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	
A.	**University Core Courses**							
A.1	**Theory**							
	-	-	-	-	-	-	-	-
A.2	**Practical**							
	-	-	-	-	-	-	-	-
B.	**Department Core Courses**							
B.1	**Theory**							
MCECCE2101	Digital Image Processing	**4**	**-**	**-**	**40**	**60**	**100**	**4**
MCECCE2102	Soft Computing	**4**	**-**	**-**	**40**	**60**	**100**	**4**
B.2	**Practical**							
MCECCE2201	Computer Lab-II	**-**	**-**	**2**	**60**	**40**	**100**	**1**
C.	**Department Elective: Any Two**							
MCEECE2111	Data Science with Big Data Analytics							
MCEECE2112	Computer Cryptography & Network Security	**4**	**-**	**-**	**40**	**60**	**100**	**4**
MCEECE2113	Advanced Compilation Techniques							
MCEECE2121	Virtualization & Cloud Computing			**-**				
MCEECE2122	Grid Computing	**4**	**-**	**-**	**40**	**60**	**100**	**4**
MCEECE2123	High Level System Design & Modeling			**-**				
D.	**Open Elective: Anyone**							
	Nil	**-**	**-**	**-**	**-**	**-**	**-**	**-**
E.	**Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)**							
MCECHM2202	Soft Skills-II	**-**	**-**	**2**	**60**	**40**	**100**	**1**
F.	**Skill Enhancement Courses (SEC) OR 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**							
MCECCE2601	Discipline and Talent Enrichment 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 _____

Course Code	Course Name	Teaching Scheme (Hrs per Week)			Marks Distribution			Credits
		Lecture (L)	Tutorials (T)	Practical (P)	IE	ESE	Total	
A.	**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**
E.	**Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)**							
MCECCE3202	Review/Research Paper	**-**	**-**	**2**	**60**	**40**	**100**	**1**
F.	**Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere**							
MCECCE3301	Dissertation Part-I	**-**	**-**	**6**	**60**	**40**	**100**	3
G.	**Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities**							
MCECCE3601	Discipline and Talent Enrichment Programme-III	**-**	**-**	**2**	**50**	**-**	**50**	**1**
	Total	**12**		**12**				**18**
	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- IV _____								
Course Code	**Course Name**	**Teaching Scheme (Hrs per Week)**			**Marks Distribution**			**Credits**
		Lecture (L)	**Tutorials (T)**	**Practical (P)**	**IE**	**ESE**	**Total**	
A.	**University Core Courses**							
A.1	**Theory**							
	-	-	-	-	-	-	-	-
A.2	**Practical**							
	-	-	-	-	-	-	-	-
B.	**Department Core Courses**							
B.1	**Theory**							
	-	-	-	-	-	-	-	-
B.2	**Practical**							
	-	-	-	-	-	-	-	-
C.	**Department Elective: At least Two**							
	-	-	-	-	-	-	-	-
D.	**Open Elective: Anyone**							
	-	-	-	-	-	-	-	-
E.	**Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)**							
	-	-	-	-	-	-	-	-
F.	**Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere**							
MCECCE4301	Dissertation Part-II	-	-	-	250	250	500	20
G.	**Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities**							
MCECCE4601	Discipline and Talent Enrichment Programme-IV	-	-	-	50	-	50	1
	Total	-	-	-				**21**
	Total Teaching Hours							

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