



School of Engineering and Technology

M. Tech. SCHEME

Digital Communication

(Batch 2021)

School of Engineering & Technology								
Name of Program: M. Tech. Digital Communication, Batch: 2021 Onwards								
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							
MDCCEE1101	Advanced Digital Communication	4	-	-	40	60	100	4
MDCCEE 1102	Digital Signal Processing	4	-	-	40	60	100	4
B.2	Practical							
MDCCEE 1201	Communication System Lab-I	-	-	2	60	40	100	1
C.	Department Elective: Any Two							
MDCEEE1101	RF & Microwave Circuit Design	4	-	-	40	60	100	4
MDCEEE1102	Satellite Communication	4	-	-	40	60	100	4
MDCEEE1103	Advanced Optical Communication	4	-	-	40	60	100	4
MDCEEE1104	Computer Communication	4	-	-	40	60	100	4
MDCEEE1105	Embedded Networking	4	-	-	40	60	100	4
MDCEEE1106	Data Communication Networks	4	-	-	40	60	100	4
MDCEEE1107	Wireless Communication Systems	4	-	-	40	60	100	4
MDCEEE1108	Computational Methods for Communication	4	-	-	40	60	100	4
D.	Open Elective: Anyone							
	-	-	-	-	-	-	-	-
E.	Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)							
MDCCHM1202	Soft Skills-I	-	-	2	60	40	100	1
F.	Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere							
MDCCEE1301	Seminar-I	-	-	2	60	40	100	1
G.	Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities							
MDCCEE1601	Discipline and Talent Enrichment Programme	-	-	2	50	-	50	1
	Total	16		8				20
	Total Teaching Hours	24						

POORNIMA UNIVERSITY								
School of Engineering & Technology								
Name of Program: M. Tech. Digital Communication, Batch: 2021 Onwards								
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							
MDCCEE2101	Information Theory & Coding	4	-	-	40	60	100	4
MDCCEE 2102	Research Methodology	4	-	-	40	60	100	4
B.2	Practical							
MDCCEE2201	Communication System Lab -II	-	-	2	60	40	100	1
C.	Department Elective: At least Two							
MDCEEE2101	Advance Computer Networks	4	-	-	40	60	100	4+4
MDCEEE2102	Wireless Communication and Adhoc Network	4	-	-	40	60	100	
MDCEEE2103	Artificial Intelligence & Neural Networks	4	-	-	40	60	100	
MDCEEE2104	Modeling & Simulation of Data Networks	4	-	-	40	60	100	
MDCEEE2105	Digital Image Processing	4	-	-	40	60	100	
MDCEEE2106	Networking Programming	4	-	-	40	60	100	
MDCEEE2107	Pervasive Computing	4	-	-	40	60	100	
MDCEEE2108	Optimization Techniques	4	-	-	40	60	100	
D.	Open Elective: Anyone							
	-	-	-	-	-	-	-	-
E.	Humanities and Social Sciences including Management courses OR Ability Enhancement Compulsory Course (AECC)							
MDCCHM2202	Soft Skills-II	-	-	2	60	40	100	1
F.	Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere							
MDCCEE2301	Seminar-II	-	-	2	60	40	100	1
G.	Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities							
MDCCEE2601	Discipline and Talent Enrichment Programme	-	-	2	50	-	50	1

	Total	16		8				20
	Total Teaching Hours	24						

POORNIMA UNIVERSITY								
School of Engineering & Technology								
Name of Program: M. Tech. Digital Communication, Batch: 2021 Onwards								
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							
MDCCEE3101	Wireless Sensor Networks	4	-	-	40	60	100	4
MDCCEE3102	Advanced Antenna System	4	-	-	40	60	100	4
B.2	Practical							
MDCCEE3201	Communication System Lab-III	-	-	2	60	40	100	1
C.	Department Elective: At least 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)							
MDCCEE3202	Review/Research Paper	-	-	2	60	40	100	1
F.	Skill Enhancement Courses (SEC) OR Project work, Seminar and Internship in Industry or Elsewhere							
MDCCEE3301	Dissertation Part-I	-	-	12	60	40	100	6
G.	Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities							
MDCCEE3601	Discipline and Talent Enrichment Programme	-	-	2	50	-	50	1
	Total	12		18				21

	Total Teaching Hours	30				
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POORNIMA UNIVERSITY								
School of Engineering & Technology								
Name of Program: M. Tech. Digital Communication, Batch: 2021 Onwards								
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							
MDCCEE4301	Dissertation Part-II	-	-	-	250	250	500	20
G.	Social Outreach, Discipline, TEP, VAC& Extra Curricular Activities							
MDCCEE4601	Discipline and Talent Enrichment Programme	-	-	-	50	-	50	1
	Total	-	-	-				21
	Total Teaching Hours							

ANNEXTURE

III SEMESTER OPEN ELECTIVE

<i>Course Code</i>	<i>Course Name</i>
	E-Commerce and Knowledge Management
	Water and Environmental Pollution
	IPR & Patents
	Robotics
	Digital India Implementation
	Smart City Design
	Renewable Energy