



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MECE)

MINOR CURRICULUM-2

[For EIE, EEE, CSE, IT & ECI]

EQUIVALENT MOOCs – EVEN SEMESTER, JANUARY-APRIL 2025, AY 2024-25

MINOR COMPULSORY COURSES			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1	U18MEC2001	Introduction to Embedded systems	Embedded Systems Design (12 weeks) (OR) Introduction to Embedded System Design (12 weeks)		CCD:	https://onlinecourses.nptel.ac.in/noc25_cs30/preview
					LDR:	https://onlinecourses.nptel.ac.in/noc25_cs41/preview
2	U18MEC2002	Modern digital Communication techniques	Principles of Digital Communication (12 weeks)		CCD:	https://onlinecourses.nptel.ac.in/noc25_ee69/preview
					LDR:	
3	U18MEC2003	CMOS Digital VLSI Design	CMOS Digital VLSI Design (8 weeks) noc25-ee11	2	CCD: March 14, 2025	--
					LDR: 30.3.2025	https://onlinecourses.nptel.ac.in/noc25_ee11/preview
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MEC2004	Biomedical Signal Processing	Biomedical Signal Processing (12 weeks) noc25-ee09	3	CCD: April 11, 2025	https://onlinecourses.nptel.ac.in/noc25_ee09/preview
					LDR: April 26, 2025	--
5	U18MEC2005	Fundamentals of MIMO Wireless Communication	Fundamentals of MIMO Wireless Communication (8 weeks) noc25-ee38	2	CCD: March 14, 2025	https://onlinecourses.nptel.ac.in/noc25_ee38/preview
					LDR: March 30, 2025	--
6	U18MEC2006	Evolution of Air Interface	Evolution of Air Interface towards 5G		CCD: 14.3.2025	https://onlinecourses.nptel.ac.in/noc25_ee34/preview

		towards5G	(8 weeks) noc25-ee34	2	LDR:March 30, 2025	--
7	U18MEC2007	CodingTheory	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
8	U18MEC2008	ComputerVisionand Image Processing- Fundamentalsand Applications	Computer Vision And Image Processing - Fundamentals And Applications (12 weeks)		CCD:	https://onlinecourses.nptel.ac .in/noc25_ee13/preview
					LDR:	
9	U18MEC2009	SoftwareDefinedRadio	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
10	U18MEC2010	WirelessandCellular Communications	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
11	U18MEC2011	Antennas	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
12	U18MEC2012	Fiber Optic Communication Technology	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
13	U18MEC2013	SensorsandActuators	Sensors and Actuators (12 weeks)		CCD:	https://onlinecourses.nptel.ac.in/noc2 5_ee76/preview
					LDR:	
14	U18MEC2014	WirelessAdHocand Sensor Networks	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
15	U18MEC2015	Industrial Internet of Things	Introduction To Industry 4.0 And Industrial Internet Of Things(OR) Introduction To Internet Of Things 12 weeks		CCD:	https://onlinecourses.nptel.ac.in/noc2 5_cs43/preview https://onlinecourses.nptel.ac.in/n oc25_cs44/preview
16	U18MEC2016	RoboticsandComputer Vision	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
17	U18MEC2017	MicrowaveTheoryand Techniques	NOTAVAILABLETHISSEMESTER		CCD:	--
					LDR:	
	U18MEC2018	PeerToPeerNetworks	NOTAVAILABLETHISSEMESTER		CCD:	--

*C:Credits;CCD:CourseCommencementDate;LDR>LastDateofRegistration

S.No	MINOR LABORATORY COURSES	LaboratoryCourses(any2courses)-TOBETAKENINTHEMINORDEPARTMENT		2 credits
19		U18MEC2019	ECADLaboratory	
20		U18MEC2020	CommunicationEngineeringLaboratory	
21		U18MEC2021	CircuitSimulationLaboratory	
22		U18MEC2022	Microwave and Optical Communications Laboratory	
			<i>TotalCreditstobe earned</i>	18+2

Date:07.12.2024MOOCsCoordinator

HeadoftheDepartment

Dean,AcademicAffairs