



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN ELECTRONICS AND COMMUNICATION ENGINEERING (MEC) -MINOR CURRICULUM
EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2021, AY 2021-22

MINOR CURRICULUM-1 (For ME & CE Branch Students)

S. No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
			SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
MINOR COMPULSORY COURSES			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
1	U18MEC1001	Analog Electronics	<i>Analog Electronic Circuit</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	--	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
2	U18MEC1002	Digital Electronics	<i>Digital Circuits</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	--	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
3	U18MEC1003	Signals and Systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MEC1004	Communication Engineering	<i>Analog communication</i>	-	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
5	U18MEC1005	Digital Signal Processing	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
6	U18MEC1006	Microprocessors and Microcontrollers	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18MEC1007	Introduction to Embedded systems	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:

8	U18MEC1008	CMOS Digital VLSI Design	--	--	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18MEC1009	Digital Image Processing	<i>Digital Image Processing</i>	3	CCD: 26 Jul 2021	-	-	CCD:	--		CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
10	U18MEC1010	Wireless and Cellular Communications	<i>Introduction to Wireless and Cellular Communications</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	2	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
11	U18MEC1011	Antennas	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
12	U18MEC1012	Fiber Optic Communication Technology	<i>Fiber Optic Communication Technology</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
13	U18MEC1013	Sensors and Actuators	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
14	U18MEC1014	Wireless Ad Hoc and Sensor Networks	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
15	U18MEC1015	Internet of Things	<i>Introduction to internet of things (or) Introduction to Industry 4.0 and Industrial Internet of Things</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
16	U18MEC1016	Robotics	--	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
17	U18MEC1017	Microwave Theory and Techniques	<i>Microwave Theory and Techniques</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:

18	U18MEC1018	Machine Learning	<i>Introduction to Machine Learning (3)</i>	3	CCD: 26 Jul 2021	--	3	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
<p>I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall propose an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs</p>											

*C: Credits ; CCD: Course Commencement Date; LDR: Last Date of Registration

-	Minor Laboratory Courses	Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT			
19		U18MEC1019	Analog and Digital Circuits Laboratory		2 credits
20		U18MEC1020	Communications Engineering Laboratory		
21		U18MEC1021	Signal Processing Laboratory		
22		U18MEC1022	Microprocessors and Embedded systems Laboratory		
				<i>Total Credits to be earned</i>	18+2

Date:07.06.2021

Sd/-
D.Venu
MOOCs Coordinator

Sd/-
Dr. B. Rama Devi
Head of the Department

Sd/-
Dr.V. Rajagopal
Dean, Academic Affairs