



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

MINOR CURRICULUM

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	U18MCI1001	Analog electronics	<i>Analog ElCItronic Circuit</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	--	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
2	U18MCI1002	Signals and Systems	--		CCD:	--	-	CCD:	--	--	CCD:
					LDR:			LDR:			LDR:
3	U18MCI1003	Electrical Measurement and Electronic Instruments	<i>Electrical Measurement and Electronic Instruments</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
MINOR ELCITIVE COURSES											
4	U18MCI1004	Digital Circuits	<i>Digital Circuits</i> <i>(Or)</i> <i>Switching Circuits and Logic Design</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
5	U18MCI1005	Sensors & Actuators	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
6	U18MCI1006	Communication Engineering	<i>Analog communication</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:

7	U18MCH1007	Integrated Circuits	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
8	U18MCH1008	Digital Signal Processing	--	--	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18MCH1009	Microprocessors and Interfacing	--	--	CCD:	-	-	CCD:	--		CCD:
					LDR:			LDR:			LDR:
10	U18MCH1010	Industrial 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:	--	2	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
11	U18MCH1011	Introduction to Embedded System Design	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
12	U18MCH1012	Mathematical Foundation for Machine Learning	<i>Mathematical Aspects of Biomedical Electronic System Design</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
13	U18MCH1013	Artificial Intelligence and Applications	<i>Artificial Intelligence Search Methods For Problem Solving</i>	-	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
14	U18MCH1014	Wireless and Cellular Communications	<i>Introduction to Wireless and Cellular Communications</i>	-	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
15	U18MCH1015	Fiber Optic Communications	<i>Fiber Optic Communication Technology</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:

16	U18MCI1016	Digital Image Processing	<i>Digital Image Processing</i>	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
17	U18MCI1017	VLSI Design	--	3	CCD: 26 Jul 2021	--	-	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:
18	U18MCI1018	Biomedical Instrumentation	--	3	CCD: 26 Jul 2021	--	3	CCD:	--	-	CCD:
					LDR: 02 Aug 2021			LDR:			LDR:

- 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.
- II. By the end of April of every academic year, the department in consultation with Dean-AA, shall
- A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum
 - 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

*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		U18MCI1019	Analog and Digital Circuits Laboratory		2 credits
20		U18MCI1020	Communications Engineering Laboratory		
21		U18MCI1021	Signal Processing Laboratory		
22		U18MCI1022	Microprocessors and Embedded systems Laboratory		
Total Credits to be earned				18+2	

Date:02.07.2021

**Sd/-
D.Venu
MOOCs Coordinator**

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

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