



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND ENGINEERING(NETWORKS) (MCN)
MINOR CURRICULUM-1

[For circuit branches: E&IE, EEE, and ECE]

EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2021, AY 2021-22

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	U18MCN1001	Data Base Management System	Data Base Management System	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
			(8 weeks) noc21-cs58		LDR: Aug 02.2021			LDR:			LDR:
2	U18MCN1002	Programming, Data Structures And Algorithms Using Python	Programming, Data Structures And Algorithms Using Python	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
			(8 weeks) noc21-cs67		LDR: Aug 02.2021			LDR:			LDR:
3	U18MCN1003	Wireless networks			CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MCN1004	Computer Networks and Internet Protocol	-		CCD:	--		CCD:	--		CCD:
					LDR: -			LDR:			LDR:
5	U18MCN1005	Cryptography and Network Security			CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
6	U18MCN1006	Ethical hacking	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:

7	U18MCN1007	Deep Learning	Machine Learning & Deep Learning in Python & R (12 weeks)	3	CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
8	U18MCN1008	Service Oriented Architecture	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
9	U18MCN1009	Artificial Intelligence	An introduction to Artificial Intelligence (12 weeks) noc21-ge20	3	CCD: July 26,2021 to Oct 15,2021	-		CCD:	--		CCD:
					LDR: Aug 02,2021			LDR:			LDR:
10	U18MCN1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc21-cs70	3	CCD: July 26,2021 to Oct 15,2021	--		CCD:	--		CCD:
					LDR: Aug 02,2021			LDR:			LDR:
11	U18MCN1011	Optical fiber networks and broad band applications	-		CCD:	--		CCD:	--		CCD:
					LDR:			LDR:			LDR:
12	U18MCN1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc21-cs68	2	CCD: Aug 23, 2021 to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 23, 2021			LDR:			LDR:
13	U18MCN1013	Cloud Computing	Azure Data Engineer Technologies for Beginners (12-weeks)	3	CCD: Aug 23, 2021 to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 23, 2021			LDR:			LDR:
14	U18MCN1014	VLSI Physical Design				--		CCD:	--		CCD:
								LDR:			LDR:
15	U18MCN1015	Computer Architecture									

16	U18MCN1016	Computer Networks for beginners	The Complete Networking Fundamentals Course. Your CCNA start	3					
17	U18MCN1017	Learning networking technology and security							
18	U18MCN1018	Networking Protocols (CCENT/CCNA and CompTIA Network+ prep)							

- 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

		Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT		
-	Minor Laboratory Courses	U18MCS1019	Networking Essentials	2 credits
19		U18MCS1020	Linux for Network Engineers: Practical Linux with GNS3	
20		U18MCS1021	Learning Windows Power Shell	
21		U18MCS1022	Introduction to Web Development	
22		Total Credits to be earned		

Sri. N.C Santosh Kumar
MOOCs Coordinator

Prof. V. Shankar
Head of the Department

Dean, Academic Affairs

Date: 08.07.2021