KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN COMPUTER SCIENCE & ENGINEERING (NETWORKS)
(MCSN)
- MINOR DEGREE CURRICULUM
[For *circuit branches: E&IE, EEE, and ECE*]

S.No	Course Type	Course Code	Course Name	Credits
-		Elective courses (any 4 to 5 courses)		
1	Minor Elective Courses	U24MCN1001	Database Management System	15-16
2		U24MCN1002	Programming Data Structures and Algorithms using Python	
3		U24MCN1003	Wireless Networks	
4		U24MCN1004	Computer Networks and Internet Protocol	
5		U24MCN1005	Cryptography and Network Security	
6		U24MCN1006	Ethical Hacking	
7		U24MCN1007	Deep Learning	
8		U24MCN1008	Social Network Analysis	
9		U24MCN1009	Artificial Intelligence	
10		U24MCN1010	Machine Learning	
		U24MCN1011	Cyber Security and Privacy	
		U24MCN1012	Real Time Systems	
		U24MCN1013	Cloud Computing and Distributed Systems	
		U24MCN1014	Industrial IOT	
		U24MCN1015	Foundations of Cyber-Physical Systems	

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 offer 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 Minor curriculum
   B. propose a new course(s) in the place of any listed course(s) in the Minor degree curriculum, in case no equivalent course is found in MOOCs

S.No	Course Type	Course Code	Course Name	Credits
-		Laboratory Courses (any 2 courses)		
16	Minor Laboratory Courses	U24MCN1011	Computer Networks Lab	2
17		U24MCN1012	Internetworking and Virtualization Lab	
18		U24MCN1013	Cryptography and Network Security Lab	
19		U24MCN1014	Python Programming Lab	
20	Minor Mini-project (Optional)	U24MCN1015	Mini-project (Optional)	2
			Total Credits	**18**