KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN COMPUTER SCIENCE & ENGINEERING (NETWORKS) (MCSN)
- MINOR DEGREE CURRICULUM-1
[For *circuit branches: E&IE, EEE, and ECE*]

S.No	Course Type	Course Code	Course Name	Credits
-		Elective courses (any 5 to 6 courses)		
1	Minor Elective Courses	U18MCN1001	Database Management System	16
2		U18MCN1002	Programming Data Structures and Algorithms using Python	
3		U18MCN1003	Wireless Networks	
4		U18MCN1004	Computer Networks and Internet Protocol	
5		U18MCN1005	Cryptography and Network Security	
6		U18MCN1006	Ethical Hacking	
7		U18MCN1007	Deep Learning	
8		U18MCN1008	Social Network Analysis	
9		U18MCN1009	Artificial Intelligence	
10		U18MCN1010	Machine Learning	
11		U18MCN1011	Cyber Security and Privacy	
12		U18MCN1012	Real Time Systems	
13		U18MCN1013	Cloud Computing	
14		U18MCN1014	Industrial IOT	
15		U18MCN1015	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 degrCN curriculum, in case no equivalent course is found in MOOCs

-		Laboratory Courses (any 2 courses)		
16	Minor Laboratory Courses	U18MCN1016	DBMS Lab	2
17		U18MCN1017	Web Programming Lab	
18		U18MCN1018	Cryptography and Network Security Lab	
19		U18MCN1019	Python Programming Lab	
20	Minor Mini-project (Optional)	U18MCN1020	Mini-project (Optional)	2
			Total Credits	**18**

Head of the Department