



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (N)**

**MINORS CURRICULUM**

**MINORS IN COMPUTER SCIENCE AND ENGINEERING (NETWORKS) (MCSN)**

**MINORS CURRICULUM-1**

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

S.No	Course Type	Course Code	Course Name	Credits	
-	<b>Minors Elective Courses</b>	<b>Elective courses ( any 6 to 9 courses)</b>			<b>18</b>
1		U18MCN1001	Data Base Management System		
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	Service Oriented Architecture		
9		U18MCN1009	Artificial Intelligence		
10		U18MCN1010	Machine Learning		
11		U18MCN1011	Networking Protocols (CCENT/CCNA and CompTIA Network+ prep)		
12		U18MCN1012	Computer Networks for beginners		
13		U18MCN1013	Cloud Computing		
14		U18MCN1014	VLSI Physical Design		
15	U18MCN1015	Learning networking technology and security			
<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 (CISCO NetAcad / UDEMY) against the courses listed under Honours curriculum</p> <p>B. propose a new course(s) in the place of any course(s) listed under Honours curriculum, in case no equivalent course is found in MOOCs</p>					
-	<b>Minors Laboratory Courses</b>	<b>Laboratory Courses ( any 2 courses )</b>			<b>2</b>
16		U18MCN1016	Networking Essentials		
17		U18MCN1017	Linux for Network Engineers: Practical Linux with GNS3		
18		U18MCN1018	Learning Windows Power Shell		
19	U18MCN1019	Introduction to Web Development			
<b>Total Credits</b>				<b>20</b>	