



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN COMPUTER SCIENCE AND ENGINEERING(AI&ML) (MCSD)

MINOR DEGREE CURRICULUM - DATA SCIENCE

S.No	Course Type	Course Code	Course Name	Credits
-	Minor Elective Courses	Elective courses (any 4 to 5 courses)		
1		U24MCSD1001	Deep Learning - IIT Ropar	15-16
2		U24MCSD1002	Deep Learning for Computer Vision	
3		U24MCSD1003	Reinforcement Learning	
4		U24MCSD1004	Artificial Intelligence : Search Methods For Problem Solving	
5		U24MCSD1005	Computer Vision	
6		U24MCSD1006	Advanced R Programming for Data Analytics in Business	
7		U24MCSD1007	Introduction to Large Language Models (LLMs)	
<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 offer 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 against the list of courses notified under Minor curriculum</p> <p>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</p>				
-	Minor Laboratory Courses	Laboratory Courses (any 2 courses)		
16		U24MCSD1008	Data Structures and Algorithms Using Python Laboratory	2
17		U24MCSD1009	Machine Learning Laboratory	
18		U24MCSD1010	Deep Learning for Computer Vision Laboratory	
19		U24MCSD1011	Internet of Things Laboratory	
20	Minor Mini-project (Optional)	U24MCSD1012	Mini-project (Optional)	2
Total Credits				18