KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND ENGINEERING (MCS)
URR24 CSE MINOR CURRICULUM
EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2025, **AY 2025-26**

MINOR ELECTIVE COURSES *(any 6 to 9 courses to earn 18 credits)*			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.No.	Course Code	Course Name	Course Name, Duration & Course Code	C*	Course Dates*	Course Enrollment Link
1	U24MCS1001	Data Structures and Algorithms Design	Data Structures and Algorithms Design (12 weeks) noc25_cs81	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs81/preview
2		Database Management System	Database Management System (8 weeks) noc25_cs145	3	CCD: July 21, 2025 to September 12, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs145/preview
3	U24MCS1003	Computer Architecture and Organization	Computer Architecture and Organization (12 weeks) noc25-cs154	4	CCD: 21 Jul 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs154/preview
4	U24MCS1004	Software Engineering	Software Engineering (12 weeks) noc25_cs108	4	CCD: July 21, 2025 to October 10, 2025 LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs108/preview

5	U24MCS1005	Introduction to Operating Systems	Introduction to Operating Systems (8 weeks) noc25_cs94	3	CCD: July 21, 2025 to September 12, 2025	https://onlinecourses.nptel.ac.in/noc25_cs94/preview
					LDR: July 28, 2025	
6	U24MCS1006	Design and Analysis of Algorithms	Design and Analysis of Algorithms (8 Weeks) noc25-cs90	3	CCD: July 21, 2025 to September 12, 2025	https://onlinecourses.nptel.ac.in/noc25_cs90/preview
					LDR: July 28, 2025	
			Introduction to Algorithms and Analysis (12 Weeks) noc25-cs150	4	CCD: July 21, 2025 to October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs150/preview
					LDR: July 28, 2025	
7	U24MCS1007	Cyber Security and Privacy	Cyber Security and Privacy (12 Weeks) noc25_cs116	4	CCD: July 21, 2025 to October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_cs116/preview
					LDR: July 28, 2025	
8	U24MCS1008	Fundamentals of Artificial Intelligence	Fundamentals of Artificial Intelligence (12 Weeks) noc25-ge55	4	CCD: July 21, 2025 to October 10, 2025	https://onlinecourses.nptel.ac.in/noc25_ge55/preview
					LDR: July 28, 2025	
		Artificial Intelligence for Economics	Artificial Intelligence for Economics (12 Weeks) noc25-cs152	4	CCD: July 21, 2025 to September 12, 2025	https://onlinecourses.nptel.ac.in/noc25_cs152/preview
					LDR: July 28, 2025	

9	U24MCS1009	Neural Networks for Signal Processing	Neural Networks for Signal Processing (12 Weeks) noc25-ee154	4	CCD: July 21, 2025 to October 10, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ee154/preview
10	U24MCS1010	Machine Learning for Core Engineering Disciplines	Machine Learning for Core Engineering Disciplines (12 Weeks) noc25-ge77	4	CCD: July 21, 2025 to October 10, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_ge77/preview
		Introduction to Machine Learning	Introduction to Machine Learning (12 Weeks) noc25-cs91	4	CCD: July 21, 2025 to October 10, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs91/preview
11	U24MCS1011	Introduction to Industry 4.0 and Industrial Internet of Things	Introduction to Industry 4.0 and Industrial Internet of Things (12 Weeks) noc25-cs146	4	CCD: July 21, 2025 to October 10, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs146/preview
12	U24MCS1012	Cloud Computing	Cloud Computing (12 Weeks) noc25-cs107	4	CCD: July 21, 2025 to October 10, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs107/preview
13	U24MCS1013	Getting Started with Competitive Programming	Getting Started with Competitive Programming (12 Weeks) noc25-cs97	4	CCD: July 21, 2025 to August 15, 2025 / LDR: July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs97/preview

*C: Credits**CCD**: Course Commencement Date; **LDR**: Last Date of Registration

-		Laboratory Courses (any 2 courses) – TO BE TAKEN IN THE PARENT DEPARTMENT		
14	**Minor Laboratory Courses**	U24MCS1014	Database Management System	**2 credits**
15		U24MCS1015	Object Oriented Programming through Java/ Python Programming	
16		U24MCS1016	Internet of Things	
17		U24MCS1017	Operating Systems	
18	**Minor Mini-project** (optional)	U24MCS1018	Mini-project (optional)	**2 credits**
			Total Credits to be earned	**18**

Date: **MOOCs Coordinator**   **Head of the Department**   **Dean, Academic Affairs**