



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND ENGINEERING (AI&ML) (MCS- AI&ML)
MINOR CURRICULUM - CSM

[For circuit and non-circuit branches: *E&IE, EEE, ECE, CE and ME*]
MOOCs-ODD SEMESTER, JULY-DEC 2025, AY 2025-26

2.06.2025

MINOR COMPULSORY COURSES			COURSES OFFERED BY SWAYAM-NPTEL			
S. No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1	U18MCM1001	Essential Mathematics for Machine Learning	Essential Mathematics for Machine Learning (noc25_ma82)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_ma82/preview
2	U18MCM1002	Artificial Intelligence : Search Methods For Problem solving	Artificial Intelligence : Search Methods For Problem solving (noc25_cs88)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_cs88/preview
3	U18MCM1003	Programming, Data Structures and Algorithms in Python	Programming, Data Structures and Algorithms using Python (noc25_cs89)	2	Duration: 8 weeks CCD :21 Jul, 2025 To 12 Sep, 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_cs89/preview
4	U18MCM1004	Introduction to Machine Learning	Introduction to Machine Learning (noc25_cs91)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_cs91/preview

MINOR ELECTIVE COURSES (any 3 to 6 courses)						
5	U18MCM1005	Deep Learning for Computer Vision	Deep Learning for Computer Vision (noc25_cs93)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
6	U18MCM1006	Reinforcement Learning	Reinforcement Learning (noc25_cs92)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
7	U18MCM1007	An Introduction to Artificial Intelligence	An Introduction to Artificial Intelligence (noc25_ge55)	3	Duration: 12 weeks CCD: 21 Jul 2025 To 10 Oct 2025 LDR: 28 Jul 2025	https://onlinecourses.nptel.ac.in/noc25_ge55/preview

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

S.No	MINOR LABORATORY COURSES	Laboratory Courses (any 2 courses)-TO BE TAKEN IN THE MINOR DEPARTMENT		
8		U18MCM1008	Data Structures and Algorithms Using Python Laboratory	2
9		U18MCM1009	Machine Learning Laboratory	
10		U18MCM1010	Deep Learning for Computer Vision Laboratory	
11	Mini-project (optional)	U18MCM1011	Mini-project (optional)	2
Total Credits to be earned				18+2

Date:

MOOCs Coordinator

Head of the Department

Dean, Academic Affair