



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND ENGINEERING (MCS)

MINOR CURRICULUM-1

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

EQUIVALENT MOOCs - EVEN SEMESTER, JANUARY-APRIL 2025, AY 2024-25

MINOR COMPULSORY COURSES			EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL			
S.No	Course Code	Course Name	Course Name, Duration & Course Code	C	Course Dates*	Course Enrollment Link
1	U18MCS1001	Data Base Management System	Introduction to Database Systems (12 weeks) noc25-cs40	3	CCD: January 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs40/preview
2	U18MCS1002	Programming, Data Structures and Algorithms Using Python	Programming, Data Structures and Algorithms Using Python (8 weeks) noc25-cs59	2	CCD: January 20, 2025 to March 14, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs59/preview
3	U18MCS1003	Software Engineering	NOT AVAILABLE THIS SEMESTER			--
MINORELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS1004	Introduction to Automata, Languages and Computation	Theory of Computation (12 weeks) noc25-cs70	3	CCD: January 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs70/preview
5	U18MCS1005	Operating Systems	NOT AVAILABLE THIS SEMESTER			--
6	U18MCS1006	Compiler Design	Compiler Design (12 weeks) noc25-cs18	3	CCD: January 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs18/preview

7	U18MCS1007	Computer Networks and Internet Protocol	Computer Networks and Internet Protocol (12 weeks) noc25-cs15	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs15/preview
8	U18MCS1008	Cryptography and Network Security	Cryptography and Network Security (12 weeks) noc25-cs16	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs16/preview
9	U18MCS1009	Artificial Intelligence	Artificial Intelligence: Knowledge Representation and Reasoning (12 weeks) noc25-cs07	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs07/preview
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc25-cs46	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs46/preview
11	U18MCS1011	Data Mining	Data Mining (8 weeks) noc25-cs19	2	CCD: January 20, 2025 to March 14,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs19/preview
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc25-cs23	2	CCD: January 20, 2025 to March 14,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs23/preview
13	U18MCS1013	Cloud Computing	Cloud Computing (12 weeks) noc25-cs11	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs11/preview
14	U18MCS1014	Internet of Things	Introduction to Internet of Things (12 weeks) noc25-cs44	3	CCD: January 20, 2025 to April 11,2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs44/preview
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc25-cs65	3	CCD: January 20, 2025 to April 11,2025	https://onlinecourses.nptel.ac.in/noc25_cs65/preview

					LDR: Jan 27, 2025	
16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc25-cs20	2	CCD: January 20, 2025 to March 14, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_cs20/preview
17	U18MCS1017	Big Data Computing	NOT AVAILABLE THIS SEMESTER			--
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning for Visual Computing (12 weeks) noc25-ee17	3	CCD: January 20, 2025 to April 11, 2025 LDR: Jan 27, 2025	https://onlinecourses.nptel.ac.in/noc25_ee17/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		
19		U18MCS1019	Data Base Management System Lab	2 credits
20		U18MCS1020	Data Structures and Algorithms Using Python Laboratory	
21		U18MCS1021	Advanced Java Laboratory	
22		U18MCS1022	Web Technologies Laboratory	
			<i>Total Credits to be earned</i>	18+2

Date: 07.12.2024 MOOCs Coordinator

Head of the Department

Dean, Academic Affairs