



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

MINOR CURRICULUM-1

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

EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2026, AY 2026-27

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	Data Base Management System (8 weeks) noc26-cs117	2	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs117
					LDR: July 27, 2026	
2	U18MCS1002	Programming, Data Structures and Algorithms Using Python	Programming, Data Structures and Algorithms Using Python (8 weeks) noc26-cs109	2	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs109
					LDR: Aug 14, 2026	
3	U18MCS1003	Software Engineering	Software Engineering (12 Weeks) noc26-cs151	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs151
					LDR: Jul 27, 2026	
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS1004	Introduction to Automata, Languages and Computation	Theory of Computation (8 Weeks) noc26-cs114	2	CCD: Jul 20, 2026 to	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs114

					Sep 11, 2026	
					LDR: Jul 27, 2026	
5	U18MCS1005	Operating Systems	Introduction to Operating Systems (8 Weeks) noc26-cs123		CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs123
					LDR: Jul 27, 2026	
6	U18MCS1006	Compiler Design	NOT AVAILABLE THIS SEMESTER			
7	U18MCS1007	Computer Networks and Internet Protocol	Computer Networks and Internet Protocol (12 weeks) noc26-cs99	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs99
					LDR: Jul 27, 2026	
8	U18MCS1008	Cryptography and Network Security	Theory and Practice of Modern Cryptography (12 weeks) noc26-cs101	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs101
					LDR: Jul 27, 2026	
9	U18MCS1009	Artificial Intelligence	Artificial Intelligence: Concepts and Techniques (12 weeks) noc26-cs129	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs129
					LDR: Jul 27, 2026	
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc26-cs133	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs133
					LDR:	

					Jul 27, 2026	
11	U18MCS1011	Data Mining	NOT AVAILABLE THIS SEMESTER			
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc26-cs110	2	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs110
					LDR: Jul 27, 2026	
13	U18MCS1013	Cloud Computing	Cloud Computing (12 weeks) noc26-cs150	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs150
					LDR: Jul 27, 2026	
14	U18MCS1014	Internet of Things	Introduction to Internet of Things (12 weeks) noc26-cs161	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs161
					LDR: Jul 27, 2026	
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc26-cs135	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs135
					LDR: Jul 27, 2026	
16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc26-cs112	2	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs112
					LDR: Jul 27, 2026	
17	U18MCS1017	Big Data Computing	Big Data Computing (8 weeks) noc26-cs189	2	CCD: Aug 17, 2026 to	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs189

					Oct 9, 2026	
					LDR: Aug 17, 2026	
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning - IIT Ropar (12 weeks) noc26-cs138	3	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs138

*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		
Total Credits to be earned					
18+2					

Date:

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs