



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

MINOR CURRICULUM-2

[For non-circuit branches: CE and ME]

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	U18MCS2001	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: Jul 27, 2026	
2	U18MCS2002	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: Jul 27, 2026	
3	U18MCS2003	Computer Networks and Internet Protocol	Computer Networks (12weeks) 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	
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS2004	Computer Architecture and Organization	Computer Architecture and Organization (12weeks) noc26-cs166	3	CCD: Jul 20, 2026 To Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs166
					LDR: Jul 27, 2026	

5	U18MCS2005	Operating Systems	Introduction to Operating Systems (8 Weeks) noc26-cs123	2	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs123
					LDR: Jul 27, 2026	
6	U18MCS2006	Automata, Languages and Computation	Theory of Computation (8 Weeks) noc26-cs114	2	CCD: Jul 20, 2026 to Sep 11, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs114
					LDR: Jul 27, 2026	
7	U18MCS2007	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	
8	U18MCS2008	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	
9	U18MCS2009	Compiler Design	NOT AVAILABLE THIS SEMESTER			
10	U18MCS2010	Artificial Intelligence	Artificial Intelligence: Foundations and Algorithms (12 weeks) noc26-cs182	3	CCD: Jul 20, 2026 to Oct 9, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs182
					LDR: Jul 27, 2026	
11	U18MCS2011	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	

12	U18MCS2012	Cryptography and Network Security	Theory and Practice of Modern Cryptography (12 weeks) noc26-cs101	3	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs101
13	U18MCS2013	Data Mining	NOT AVAILABLE THIS SEMESTER			
14	U18MCS2014	Digital Image Processing	NOT AVAILABLE THIS SEMESTER			
15	U18MCS2015	Data Science for Engineers	Data Science for Engineers (8 weeks) noc26-cs112	2	CCD: Jul 20, 2026 to Sep 11, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs112
16	U18MCS2016	Big Data Computing	Big Data Computing (8 weeks) noc26-cs189	2	CCD: Aug 17, 2026 to Oct 9, 2026 LDR: Aug 17, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs189
17	U18MCS2017	Cloud Computing	Cloud Computing (12 weeks) noc26-cs150	3	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs150
18	U18MCS2018	Internet of Things	Introduction to Internet of Things (12 weeks) noc26-cs161	3	CCD: Jul 20, 2026 to Oct 9, 2026 LDR: Jul 27, 2026	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs161

*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		U18MCS2019	Data Base Management System Lab		2 credits
20		U18MCS2020	Data Structures and Algorithms Using Python Laboratory		
21		U18MCS2021	Advanced Java Laboratory		
22		U18MCS2022	Web Technologies Laboratory		
Total Credits to be earned					18+2

Date:

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs