



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 2024, 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	U18MCS2001	Data Base Management System	Data Base Management System (8 weeks) noc24-cs75	2	CCD: July 22, 2024 to Sep 13, 2024 LDR: July 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs75/preview
2	U18MCS2002	Programming, Data Structures and Algorithms Using Python	Programming, Data Structures and Algorithms Using Python (8 weeks) noc24-cs78	2	CCD: July 22, 2024 to Sep 13, 2024 LDR: July 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs78/preview
3	U18MCS2003	Computer Networks and Internet Protocol	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS2004	Computer Architecture and Organization	Computer Architecture (12weeks) noc24-cs83	3	CCD: July 22,2024 to Oct 11, 2024 LDR: Jul 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs83/preview
5	U18MCS2005	Operating Systems	Operating System Fundamentals (12 weeks) noc24-cs108	3	CCD: July 22,2024 to Oct 11, 2024 LDR: Jul 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs108/preview
6	U18MCS2006	Automata, Languages and Computation	Theory of Computation (8 weeks) noc24-cs71	2	CCD: July 22, 2024 to Sep 13, 2024 LDR: Jul 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs71/preview

7	U18MCS2007	Software Engineering	Software Engineering (12 weeks) noc24-cs119	3	CCD: July 22,2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_cs119/preview
					LDR: Jul 29, 2024	
8	U18MCS2008	Design and Analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc24-cs79	2	CCD: July 22, 2024 to Sep 13, 2024	https://onlinecourses.nptel.ac.in/noc24_cs79/preview
					LDR: Jul 29, 2024	
9	U18MCS2009	Compiler Design	NOT AVAILABLE THIS SEMESTER		CCD:	
					LDR:	
10	U18MCS2010	Artificial Intelligence	Fundamentals of Artificial Intelligence (12 weeks) noc24-ge47	3	CCD: July 22,2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_ge47/preview
					LDR: July 29, 2024	
11	U18MCS2011	Machine Learning	Introduction to Machine Learning (12 weeks) noc24-cs101	3	CCD: July 22,2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_cs101/preview
					LDR: Jul 29, 2024	
12	U18MCS2012	Cryptography and Network Security	NOT AVAILABLE THIS SEMESTER		CCD:	
					LDR:	
13	U18MCS2013	Data Mining	Business Analytics & Text Mining Modeling Using Python (8 weeks) noc24-mg79	2	CCD: July 22, 2024 to Sep 13, 2024	https://onlinecourses.nptel.ac.in/noc24_mg79/preview
					LDR: Jul 29, 2024	
14	U18MCS2014	Digital Image Processing	Digital Image Processing (12 weeks) noc24-ee133	3	CCD: July 22,2024 to Oct 11,2024	https://onlinecourses.nptel.ac.in/noc24_ee133/preview
					LDR: Jul 29, 2024	
15	U18MCS2015	Data Science for Engineers	Data Science for Engineers (8 weeks) noc24-cs133	2	CCD: July 22, 2024 to Sep 13, 2024	https://onlinecourses.nptel.ac.in/noc24_cs133/preview
					LDR: July 29, 2024	
16	U18MCS2016	Big Data Computing	Big Data Computing (8 weeks) noc24-cs130	2	CCD: Aug 19, 2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_cs130/preview
					LDR: Aug 19, 2024	
17	U18MCS2017	Cloud Computing	Cloud Computing (12 weeks) noc24-cs118	3	CCD: July 22,2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_cs118/preview
					LDR: Jul 29, 2024	
18	U18MCS2018	Internet of Things	Introduction to Internet of Things (12 weeks) noc24-cs115	3	CCD: July 22,2024 to Oct 11, 2024	https://onlinecourses.nptel.ac.in/noc24_cs115/preview
					LDR: Jul 29, 2024	

*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