



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 2024, AY 2023-24

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) noc24-cs55	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs55/preview
2	U18MCS1002	Programming, Data Structures and Algorithms Using Python	Programming, Data Structures and Algorithms Using Python (8 weeks) noc24-cs45	2	CCD: January 22, 2024 to March 15,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs45/preview
3	U18MCS1003	Software Engineering	NOT AVAILABLE THIS SEMESTER			--
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS1004	Introduction to Automata, Languages and Computation	Theory of Computation (12 weeks) noc24-cs49	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs49/preview
5	U18MCS1005	Operating Systems	NOT AVAILABLE THIS SEMESTER			--
6	U18MCS1006	Compiler Design	Compiler Design (12 weeks) noc24-cs18	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs18/preview

7	U18MCS1007	Computer Networks and Internet Protocol	Computer Networks and Internet Protocol (12 weeks) noc24-cs19	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs19/preview
8	U18MCS1008	Cryptography and Network Security	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--
9	U18MCS1009	Artificial Intelligence	An Introduction to Artificial Intelligence (12 weeks) noc24-cs08	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs08/preview
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc24-cs51	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs51/preview
11	U18MCS1011	Data Mining	Data Mining (8 weeks) noc24-cs22	2	CCD: January 22, 2024 to March 15,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs22/preview
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc24-cs23	2	CCD: January 22, 2024 to March 15,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs23/preview
13	U18MCS1013	Cloud Computing	Cloud Computing (12 weeks) noc24-cs17	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs17/preview
14	U18MCS1014	Internet of Things	Introduction to Internet of Things (12 weeks) noc24-cs35	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs35/preview
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc24-cs56	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs56/preview

16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc24-cs53	2	CCD: January 22, 2024 to March 15,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_cs53/preview
17	U18MCS1017	Big Data Computing	NOT AVAILABLE THIS SEMESTER			--
18	U18MCS1018	Deep Learning for Computer Vision	NOT AVAILABLE THIS SEMESTER			

*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: 23.11.2023

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs