



**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 - ODD SEMESTER, JULY-DEC 2023, AY 2023-24**

<b>MINOR COMPULSORY COURSES</b>			<b>EQUIVALENT COURSES OFFERED BY SWAYAM-NPTEL</b>			
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) noc23-cs79	2	CCD: July 24, 2023 to Sep 15, 2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs79/preview">https://onlinecourses.nptel.ac.in/noc23_cs79/preview</a>
2	U18MCS1002	Programming, Data Structures and Algorithms Using Python	Programming, Data Structures and Algorithms Using Python (8 weeks) noc23-cs95	2	CCD: July 24, 2023 to Sep 15, 2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs95/preview">https://onlinecourses.nptel.ac.in/noc23_cs95/preview</a>
3	U18MCS1003	Software Engineering	Software Engineering (12 weeks) noc23-cs122	3	CCD: July 24,2023 to Oct 13,2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs122/preview">https://onlinecourses.nptel.ac.in/noc23_cs122/preview</a>
<b>MINOR ELECTIVE COURSES (any 3 to 6 courses)</b>						
4	U18MCS1004	Introduction to Automata, Languages and Computation	Theory of Computation (8 weeks) noc23-cs70	2	CCD: July 24, 2023 to Sep 15, 2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs70/preview">https://onlinecourses.nptel.ac.in/noc23_cs70/preview</a>
5	U18MCS1005	Operating Systems	Operating System Fundamentals (12 weeks) noc23-cs123	3	CCD: July 24,2023 to Oct 13,2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs123/preview">https://onlinecourses.nptel.ac.in/noc23_cs123/preview</a>
6	U18MCS1006	Compiler Design	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD: LDR:	--
7	U18MCS1007		<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	--

		Computer Networks and Internet Protocol			LDR:	
8	U18MCS1008	Cryptography and Network Security	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	--
					LDR:	
9	U18MCS1009	Artificial Intelligence	Fundamentals of Artificial Intelligence (12 weeks) noc23-ge40	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_ge40/preview">https://onlinecourses.nptel.ac.in/noc23_ge40/preview</a>
					LDR: Jul 31, 2023	
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc23-cs98	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs98/preview">https://onlinecourses.nptel.ac.in/noc23_cs98/preview</a>
					LDR: Jul 31, 2023	
11	U18MCS1011	Data Mining	Business Analytics & Text Mining Modeling Using Python (8 weeks) noc23-mg104	2	CCD: July 24, 2023 to Sep 15, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_mg104/preview">https://onlinecourses.nptel.ac.in/noc23_mg104/preview</a>
					LDR: Jul 31, 2023	
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc23-cs96	2	CCD: July 24, 2023 to Sep 15, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs96/preview">https://onlinecourses.nptel.ac.in/noc23_cs96/preview</a>
					LDR: Jul 31, 2023	
13	U18MCS1013	Cloud Computing	Cloud Computing (12 weeks) noc23-cs89	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs89/preview">https://onlinecourses.nptel.ac.in/noc23_cs89/preview</a>
					LDR: Jul 31, 2023	
14	U18MCS1014	Internet of Things	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	--
					LDR:	
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc23-cs107	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs107/preview">https://onlinecourses.nptel.ac.in/noc23_cs107/preview</a>
					LDR: Jul 31, 2023	
16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc23-cs97	2	CCD: July 24, 2023 to Sep 15, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs97/preview">https://onlinecourses.nptel.ac.in/noc23_cs97/preview</a>
					LDR: Jul 31, 2023	
17	U18MCS1017	Big Data Computing	Big Data Computing (8 weeks) noc23-cs112	2	CCD: Aug 21, 2023 to Oct 13, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs112/preview">https://onlinecourses.nptel.ac.in/noc23_cs112/preview</a>
					LDR: Aug 21, 2023	
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning for Computer Vision (12 weeks) noc23-cs126	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs126/preview">https://onlinecourses.nptel.ac.in/noc23_cs126/preview</a>
					LDR: Jul 31, 2023	

\*C: Credits;

CCD: Course Commencement Date;

LDR: Last Date of Registration

S.No	<b>MINOR LABORATORY COURSES</b>	<b>Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT</b>		
19		U18MCS1019	Data Base Management System Lab	<b>2 credits</b>
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>	<b>18+2</b>

Date:

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs