



**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 2024, AY 2024-25**

<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) noc24-cs75	2	CCD: July 22, 2024 to Sep 13, 2024  LDR: July 29, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs75/preview">https://onlinecourses.nptel.ac.in/noc24_cs75/preview</a>
2	U18MCS1002	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	<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>
3	U18MCS1003	Software Engineering	Software Engineering (12 weeks) noc24-cs119	3	CCD: July 22,2024 to Oct 11, 2024  LDR: July 29, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs119/preview">https://onlinecourses.nptel.ac.in/noc24_cs119/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) noc24-cs71	2	CCD: July 22, 2024 to Sep 13, 2024  LDR: July 29, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs71/preview">https://onlinecourses.nptel.ac.in/noc24_cs71/preview</a>
5	U18MCS1005	Operating Systems	Operating System Fundamentals (12 weeks) noc24-cs108	3	CCD: July 22,2024 to Oct 11, 2024  LDR: July 29, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs108/preview">https://onlinecourses.nptel.ac.in/noc24_cs108/preview</a>
6	U18MCS1006	Compiler Design	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD: LDR:	--
7	U18MCS1007	Computer Networks and Internet Protocol	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD: 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) noc24-ge47	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ge47/preview">https://onlinecourses.nptel.ac.in/noc24_ge47/preview</a>
					LDR: July 29, 2024	
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc24-cs101	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs101/preview">https://onlinecourses.nptel.ac.in/noc24_cs101/preview</a>
					LDR: July 29, 2024	
11	U18MCS1011	Data Mining	Business Analytics & Text Mining Modeling Using Python (8 weeks) noc24-mg79	2	CCD: July 22, 2024 to Sep 13, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_mg79/preview">https://onlinecourses.nptel.ac.in/noc24_mg79/preview</a>
					LDR: July 29, 2024	
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc24-cs79	2	CCD: July 22, 2024 to Sep 13, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs79/preview">https://onlinecourses.nptel.ac.in/noc24_cs79/preview</a>
					LDR: July 29, 2024	
13	U18MCS1013	Cloud Computing	Cloud Computing (12 weeks) noc24-cs118	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs118/preview">https://onlinecourses.nptel.ac.in/noc24_cs118/preview</a>
					LDR: July 29, 2024	
14	U18MCS1014	Internet of Things	Introduction to Internet of Things (12 weeks) noc24-cs115	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs115/preview">https://onlinecourses.nptel.ac.in/noc24_cs115/preview</a>
					LDR: July 29, 2024	
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc24-cs120	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs120/preview">https://onlinecourses.nptel.ac.in/noc24_cs120/preview</a>
					LDR: July 29, 2024	
16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc24-cs133	2	CCD: July 22, 2024 to Sep 13, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs133/preview">https://onlinecourses.nptel.ac.in/noc24_cs133/preview</a>
					LDR: July 29, 2024	
17	U18MCS1017	Big Data Computing	Big Data Computing (8 weeks) noc24-cs130	2	CCD: Aug 19, 2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs130/preview">https://onlinecourses.nptel.ac.in/noc24_cs130/preview</a>
					LDR: Aug 19, 2024	
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning for Computer Vision (12 weeks) noc24-cs89	3	CCD: July 22,2024 to Oct 11, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_cs89/preview">https://onlinecourses.nptel.ac.in/noc24_cs89/preview</a>
					LDR: July 29, 2024	

\*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**