



**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 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	U18MCS2001	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	U18MCS2002	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	U18MCS2003	Computer Networks and Internet Protocol	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:  LDR:	
<b>MINOR ELECTIVE COURSES (any 3 to 6 courses)</b>						
4	U18MCS2004	Computer Architecture and Organization	Computer Architecture (12weeks) noc23-cs67	3	CCD: July 24,2023 to Oct 13,2023  LDR: Jul 31, 2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs67/preview">https://onlinecourses.nptel.ac.in/noc23_cs67/preview</a>
5	U18MCS2005	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	U18MCS2006	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>

7	U18MCS2007	Software Engineering	Software Engineering (12 weeks) noc23-cs122	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_cs122/preview">https://onlinecourses.nptel.ac.in/noc23_cs122/preview</a>
					LDR: Jul 31, 2023	
8	U18MCS2008	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	
9	U18MCS2009	Compiler Design	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	
					LDR:	
10	U18MCS2010	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	
11	U18MCS2011	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	
12	U18MCS2012	Cryptography and Network Security	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	
					LDR:	
13	U18MCS2013	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	
14	U18MCS2014	Digital Image Processing	Digital Image Processing (12 weeks) noc23-ee118	3	CCD: July 24,2023 to Oct 13,2023	<a href="https://onlinecourses.nptel.ac.in/noc23_ee118/preview">https://onlinecourses.nptel.ac.in/noc23_ee118/preview</a>
					LDR: Jul 31, 2023	
15	U18MCS2015	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	
16	U18MCS2016	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	
17	U18MCS2017	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	
18	U18MCS2018	Internet of Things	<b>NOT AVAILABLE THIS SEMESTER</b>		CCD:	
					LDR:	

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

**Date:**

**MOOCs Coordinator**

**Head of the Department**

**Dean, Academic Affairs**