



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 - 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	U18MCS2001	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	U18MCS2002	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	U18MCS2003	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
MINOR ELECTIVE COURSES (any 3 to 6 courses)						
4	U18MCS2004	Computer Architecture and Organization	NOT AVAILABLE THIS SEMESTER			--
5	U18MCS2005	Operating Systems	NOT AVAILABLE THIS SEMESTER			--
6	U18MCS2006	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

7	U18MCS2007	Software Engineering	NOT AVAILABLE THIS SEMESTER			--
8	U18MCS2008	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
9	U18MCS2009	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
10	U18MCS2010	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
11	U18MCS2011	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
12	U18MCS2012	Cryptography and Network Security	NOT AVAILABLE THIS SEMESTER		CCD: LDR:	--
13	U18MCS2013	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
14	U18MCS2014	Digital Image Processing	Computer Vision And Image Processing - Fundamentals And Applications (12 weeks) noc24-ee38	3	CCD: January 22, 2024 to April 12,2024 LDR: Jan 29, 2024	https://onlinecourses.nptel.ac.in/noc24_ee38/preview
15	U18MCS2015	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
16	U18MCS2016	Big Data Computing	NOT AVAILABLE THIS SEMESTER			--

17	U18MCS2017	Cloud Computing	Cloud Computing (12 weeks) noc24-cs17	3	CCD: January 22, 2024 to April 12,2024	https://onlinecourses.nptel.ac.in/noc24_cs17/preview
					LDR: Jan 29, 2024	
18	U18MCS2018	Internet of Things	Introduction to Internet of Things (12 weeks) noc24-cs35	3	CCD: January 22, 2024 to April 12,2024	https://onlinecourses.nptel.ac.in/noc24_cs35/preview
					LDR: Jan 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	
<i>Total Credits to be earned</i>				18+2

Date: 23.11.2023

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs