



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND ENGINEERING (MCS)**

MINOR CURRICULUM-2

[For non-circuit branches: CE, ME]

EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2021, AY 2021-22

S.No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
			SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
MINOR COMPULSORY COURSES			Course Name	C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*
1	U18MCS2001	Data Base Management System	Data Base Management System	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
			(8 weeks) noc21-cs58		LDR: Aug 02.2021			LDR:			LDR:
2	U18MCS2002	Programming, Data Structures And Algorithms Using Python	Programming, Data Structures And Algorithms Using Python	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
			(8 weeks) noc21-cs67		LDR: Aug 02.2021			LDR:			LDR:
3	U18MCS2003	Computer Networks and Internet Protocol	-		CCD: -	--		CCD:	--		CCD:
					LDR: -			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MCS2004	Computer Architecture and Organization	Computer Architecture and Organization	3	CCD: July 26, 2021 to Oct 15, 2021	--		CCD:	--		CCD:
					LDR: Aug 2,			LDR:			LDR:

			(12 weeks) noc21-cs61		2021					
5	U18MCS2005	Operating Systems	Introduction to operating Systems (8 weeks) noc21-cs72	2	CCD: July 26, 2021 to Sep 17, 2021	--			--	CCD:
					LDR: Aug 02,2021					LDR:
6	U18MCS2006	Automata, Languages and Computation	-		CCD:	--			--	CCD:
					LDR:					LDR:
7	U18MCS2007	Software Engineering	Software Engineering (12 weeks) noc21-cs65	3	CCD: July 26,2021 to Oct 15,2021	--			--	CCD:
					LDR: Aug 02,2021					LDR:
8	U18MCS2008	Design and Analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc21-cs68	2	CCD: Aug 23, 2021 to Oct 15, 2021	--			--	CCD:
					LDR: Aug 23, 2021					LDR:
9	U18MCS2009	Compiler Design	-		CCD:	-			--	CCD:
					LDR:					LDR:
10	U18MCS2010	Artificial Intelligence	-		CCD:	--			--	CCD:
					LDR:					LDR:
11	U18MCS2011	Machine Learning	Introduction to Machine Learning (12 weeks) noc21-cs70	3	CCD: July 26,2021 to Oct 15,2021	--			--	CCD:
					LDR: Aug 02,2021					LDR:
12	U18MCS2012	Cryptography and Network Security	-		CCD:	--			--	CCD:
					LDR:					LDR:
13	U18MCS2013	Data Mining	-		CCD:	--			--	CCD:
					LDR:					LDR:

14	U18MCS2014	Digital Image Processing	Digital Image Processing (12 weeks) noc21-ee78	3	CCD: July 26,2021 to Oct 15,2021	--			CCD:	--		CCD:
					LDR: Aug 02,2021				LDR:			LDR:
15	U18MCS2015	Data Science for Engineers	Data Science for Engineers (8 weeks) noc21-cs69	2	CCD: Jul 26, 2021 to Sep 17, 2021	--			CCD:	--		CCD:
					LDR: Aug 2, 2021				LDR:			LDR:
16	U18MCS2016	Big Data Computing	Big Data Computing (8 weeks) noc21-cs86	2	CCD: Aug 23, 2021 to Oct 15, 2021	--			CCD:	--		CCD:
					LDR: Aug 23, 2021				LDR:			LDR:
17	U18MCS2017	Cloud Computing	Cloud Computing (8 weeks) noc21-cs62	2	CCD: Aug 23, 2021 to Oct 15, 2021	--			CCD:	--		CCD:
					LDR: Aug 23, 2021				LDR:			LDR:
18	U18MCS2018	Internet of Things	Introduction to Internet of Things (12 weeks) noc21-cs63	3	CCD: July 26,2021 to Oct 15,2021	--			CCD:	--		CCD:
					LDR: Aug 02,2021				LDR:			LDR:

I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall propose an alternative course(s) for the specific scenario, after verification of relevant documents.

II. By the end of April of every academic year, the department in consultation with Dean-AA, shall

A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum

B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs

*C: Credits ; CCD: Course Commencement Date; LDR: Last Date of Registration

-	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: 26.062021

Sd/-
Sri. N. C. Santosh Kumar
MOOCs Coordinator

Sd/-
Dr. V. Shankar
Head of the Department

Dean, Academic Affairs