



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 2020, AY 2020-21

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	U18MCS1001	Data Base Management System	Data Base Management System (8 weeks) noc-cs60	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
2	U18MCS1002	Programming, Data Structures And Algorithms Using Python	Programming, Data Structures And Algorithms Using Python (8 weeks) Noc-cs70	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
3	U18MCS1003	Software Engineering	Software Engineering (12 weeks) noc20-cs58	3	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MCS1004	Introduction to Automata, Languages and Computation	Introduction to Automata, Languages and Computation (12 weeks)	3	CCD: Se 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:

5	U18MCS1005	Operating Systems	Introduction to operating Systems (8 weeks) noc-cs75	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
6	U18MCS1006	Compiler Design	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
7	U18MCS1007	Computer Networks and Internet Protocol	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
8	U18MCS1008	Cryptography and Network Security	--	-	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
9	U18MCS1009	Artificial Intelligence	An introduction to Artificial Intelligence (12 weeks) noc-cs81	3	CCD: Sep 14,2020	-	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc-cs73	3	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
11	U18MCS1011	Data Mining	--	2	CCD:	--	-	CCD:	--	-	CCD:
					LDR:			LDR:			LDR:
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks)	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:

13	U18MCS1013	Cloud Computing	Cloud Computing (8 weeks) noc-cs65	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
14	U18MCS1014	Internet of Things	Introduction to Internet of Things (12 weeks) noc-cs66	3	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc-cs78	3	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
16	U18MCS1016	Data Science for Engineers	Data Science for Engineers (8 weeks) noc-cs72	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
17	U18MCS1017	Big Data Computing	Big Data Computing (8 weeks) noc-cs92	2	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			LDR:			LDR:
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning for Computer Vision (12 weeks) noc-cs88	3	CCD: Sep 14,2020	--	-	CCD:	--	-	CCD:
					LDR: Sep 21,2020			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		U18MCS1019	Data Base Management System Lab	2 credits
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>	18+2

Date:

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs