KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN COMPUTER SCIENCE AND **E**NGINEERING (M**CS**)
MINOR CURRICULUM-1
[For *circuit branches: E&IE, EEE, and ECE*]
EQUIVALENT MOOCs – ODD SEMESTER, JULY-DEC 2021, **AY 2021-22**

S. No	Course Code	Course Name	EQUIVALENT COURSES OFFERED BY								
MINOR COMPULSORY COURSES			**SWAYAM-NPTEL**			**COURSERA / UDEMY**			**SPOKEN TUTORIAL - IITB**		
			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) noc21-cs58	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
					LDR: Aug 02.2021			LDR:			LDR:
2	U18MCS1002	Programming, Data Structures And Algorithms Using Python	Programming, Data Structures And Algorithms Using Python (8 weeks) noc21-cs67	2	CCD: July 26, 2021 to Sep 17, 2021	--		CCD:	--		CCD:
					LDR: Aug 02.2021			LDR:			LDR:
3	U18MCS1003	Software Engineering	Software Engineering (12 weeks) noc21-cs65	3	CCD: July 26,2021 to Oct 15,2021	--		CCD:	--		CCD:
					LDR: Aug 02,2021			LDR:			LDR:
MINOR ELECTIVE COURSES											
4	U18MCS1004	Introduction to Automata, Languages and Computation	-		CCD:	--		CCD:	--		CCD:
					LDR: -			LDR:			LDR:
5	U18MCS1005	Operating	Introduction to	2	CCD: July	--		CCD:	--		CCD:

S.No	Course Code	Course Name	MOOC Course	Cr	Dates				
		Systems	operating Systems (8 weeks) noc21-cs72		26, 2021 to Sep 17, 2021				
					LDR: Aug 02.2021		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) noc21-ge20	3	CCD: July 26,2021 to Oct 15,2021	-	CCD:	--	CCD:
					LDR: Aug 02,2021		LDR:		LDR:
10	U18MCS1010	Machine Learning	Introduction to Machine Learning (12 weeks) noc21-cs70	3	CCD: July 26,2021 to Oct 15,2021	--	CCD:	--	CCD:
					LDR: Aug 02,2021		LDR:		LDR:
11	U18MCS1011	Data Mining	-		CCD:	--	CCD:	--	CCD:
					LDR:		LDR:		LDR:
12	U18MCS1012	Design and analysis of Algorithms	Design and analysis of Algorithms (8 weeks) noc21-cs68	2	CCD: Aug 23, 2021 to Oct 15, 2021	--	CCD:	--	CCD:
					LDR: Aug 23, 2021		LDR:		LDR:
13	U18MCS1013	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:

				C			CCD:		--		CCD:
14	U18MCS1014	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:
15	U18MCS1015	Social Networks	Social Networks (12 weeks) noc21-cs74	3	CCD: July 26,2021 to Oct 15,2021	--	CCD:		--		CCD:
					LDR: Aug 02,2021		LDR:				LDR:
16	U18MCS1016	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:
17	U18MCS1017	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:
18	U18MCS1018	Deep Learning for Computer Vision	Deep Learning for Computer Vision (12 weeks) noc21-cs93	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: **C**redits ; **CCD**: **C**ourse **C**ommencement **D**ate; LDR: **L**ast **D**ate of **R**egistration

-		Laboratory Courses (any 2 courses) – TO BE TAKEN IN THE MINOR DEPARTMENT		
19	**Minor Laboratory Courses**	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	
			Total Credits to be earned	**18+2**

Sd/-   **Sd/-**

Date: **26.062021**   **Sri. N. C. Santosh Kumar**   **Dr. V. Shankar**

MOOCs Coordinator   **Head of the Department**   **Dean, Academic Affairs**