



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN MATHEMATICS (MMA) - MINOR CURRICULUM
EQUIVALENT MOOCs - ODD SEMESTER, July-Dec 2022, AY 2022-23

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	U18MMA1001	Linear Algebra	<i>Linear Algebra</i>	3	CCD: 25.07.2022	--	-	CCD:	--	--	CCD:
					LDR: 01.08.2022			LDR:			LDR:
2	U18MMA1002	Probability and Statistics	<i>Introduction to Probability theory and Statistics</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
3	U18MMA1003	Numerical Methods	<i>Numerical Methods</i>	2	CCD: 25.07.2022						
					LDR: 01.08.2022						
MINOR ELECTIVE COURSES											
4	U18MMA1005	Essential Mathematics for Machine Learning	<i>Essential Mathematics for Machine Learning</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
5	U18MMA1006	Descriptive Statistics with R Software	-	-	CCD:						
					LDR:						
6	U18MMA1008	Integral Transforms and their Applications	<i>Integral Transforms and their Applications</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
7	U18MMA1010	Introduction to Fuzzy set theory Arithmetic and logic	<i>Introduction to Fuzzy set theory Arithmetic and logic</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 25.07.2022			LDR:			LDR:
8	U18MMA1011	Operations Research	<i>Operations Research</i>	2	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:			LDR:
				3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:

9	U18MMA1012	Computational Commutative Algebra	<i>Computational Commutative Algebra</i>		LDR: 01.08.2022			LDR:		LDR:	
10	U18MMA1014	Advanced Engineering Mathematics	<i>Advanced Engineering Mathematics</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:		LDR:	
11	U18MMA1015	Introduction to Methods of Applied Mathematics	<i>Introduction to Methods of Applied Mathematics</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:		LDR:	
12	U18MMA1016	Real Analysis	-	-	CCD:						
13	U18MMA1017	Matrix Analysis with Applications	<i>Matrix Computations and its Applications</i>	3	CCD: 25.07.2022	--	-	CCD:	--	-	CCD:
					LDR: 01.08.2022			LDR:		LDR:	
14	U18MMA1018	Multivariable calculus	<i>Calculus of Several Real Variables</i>	2	CCD: 25.07.2022						
					LDR: 01.08.2022						

- 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
- notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum
 - 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			
15		U18MMA1019	Solution to Boundary Value Problems through MATLAB		2 credits
16		U18MMA1020	Numerical Techniques through MATLAB		
17		U18MMA1021	Optimization Techniques through MATLAB		
18		U18MMA1022	Statistical Methods through MATLAB		
				<i>Total Credits to be earned</i>	18+2

Date: 16-06-2022

MOOCs Coordinator
Dr. E. Ranjith Kumar

Head of the Department
Mathematics & Humanities
Dr. K. Shivashankar

Dean, Academic Affairs