



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL
MINOR IN MATHEMATICS (MMA) - MINOR CURRICULUM
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	U18MMA1001	Linear Algebra	<i>Linear Algebra</i>	3	CCD: 26.07.2021	--	-	CCD:	--	--	CCD:
					LDR: 02.08.2021			LDR:			LDR:
2	U18MMA1002	Probability and Statistics	<i>Probability and Statistics</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
3	U18MMA1003	Numerical Methods	<i>Numerical Methods</i>	2	CCD: 23.08.2021						
					LDR: 23.08.2021						
MINOR ELECTIVE COURSES											
4	U18MMA1005	Essential Mathematics for Machine Learning	<i>Essential Mathematics for Machine Learning</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
5	U18MMA1006	Descriptive Statistics with R Software	<i>Descriptive Statistics with R Software</i>	2	CCD: 23.08.2021						
					LDR: 23.08.2021						
6	U18MMA1008	Integral Transforms and their Applications	<i>Integral Transforms and their Applications</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
7	U18MMA1010	Introduction to Fuzzy set theory Arithmetic and logic	<i>Introduction to Fuzzy set theory Arithmetic and logic</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
8	U18MMA1011	Operations Research	<i>Operations Research</i>	2	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:
9	U18MMA1012	Computational Commutative Algebra	<i>Computational Commutative Algebra</i>	3	CCD: 26.07.2021	--	-	CCD:	--	-	CCD:
					LDR: 02.08.2021			LDR:			LDR:

10	U18MMA1014	Advanced Engineering Mathematics	<i>Advanced Engineering Mathematics</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
11	U18MMA1015	Introduction to Methods of Applied Mathematics	<i>Introduction to Methods of Applied Mathematics</i>	3	CCD: 26.07.2021 LDR: 02.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
12	U18MMA1016	Real Analysis	<i>Real Analysis II</i>	3	CCD: 26.07.2021 LDR: 02.08.2021						
13	U18MMA1017	Matrix Analysis with Applications	<i>Matrix Analysis with Applications</i>	2	CCD: 23.08.2021 LDR: 23.08.2021	--	-	CCD: LDR:	--	-	CCD: LDR:
14	U18MMA1018	Multivariable calculus	<i>Calculus of Several Real Variables</i>	2	CCD: 23.08.2021 LDR: 23.08.2021						

- 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			
15		U18MMA1019	Solution to Boundary Value Problems through MATLAB		
16		U18MMA1020	Numerical Techniques through MATLAB		
17		U18MMA1021	Optimization Techniques through MATLAB		
18		U18MMA1022	Statistical Methods through MATLAB		
				Total Credits to be earned	18+2

Date: 07-06-2021

MOOCs Coordinator
Dr. E. Ranjith Kumar

Head of the Department
Mathematics & Humanities

Dean, Academic Affairs