



KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL

MINOR IN MATHEMATICS (MMA) - MINOR CURRICULUM

EQUIVALENT MOOCs - ODD SEMESTER, July-Dec 2024, AY 2024-25

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: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	--	CCD: LDR:
2	U18MMA1002	Probability and Statistics	<i>Probability Theory for Data Science</i>	3	CCD: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	-	CCD: LDR:
3	U18MMA1003	Numerical Methods	<i>Numerical Methods</i>	2	CCD: 22.07.2024 LDR: 29.07.2024						
MINOR ELECTIVE COURSES											
4	U18MMA1005	Essential Mathematics for Machine Learning	<i>Essential Mathematics for Machine Learning</i>	3	CCD: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	-	CCD: LDR:
5	U18MMA1006	Descriptive Statistics with R Software	<i>Descriptive Statistics with R Software</i>	2	CCD: 19.08.2024 LDR: 19.08.2024						
6	U18MMA1010	Introduction to Fuzzy set theory Arithmetic and logic	<i>Approximate Reasoning using Fuzzy Set Theory</i>	3	CCD: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	-	CCD: LDR:
7	U18MMA1011	Operations Research	<i>Operations Research</i>	2	CCD: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	-	CCD: LDR:
8	U18MMA1012	Computational Commutative Algebra	<i>Computational Commutative Algebra</i>	3	CCD: 22.07.2024 LDR: 29.07.2024	--	-	CCD: LDR:	--	-	CCD: LDR:

9	U18MMA1014	Advanced Engineering Mathematics	<i>Advanced Engineering Mathematics</i>	3	CCD: 22.07.2024	--	-	CCD:	--	-	CCD:
					LDR: 29.07.2024			LDR:			LDR:
10	U18MMA1015	Introduction to Methods of Applied Mathematics	<i>Introduction to Methods of Applied Mathematics</i>	3	CCD: 22.07.2024	--	-	CCD:	--	-	CCD:
					LDR: 29.07.2024			LDR:			LDR:
11	U18MMA1016	Real Analysis	<i>Introductory Course In Real Analysis</i>	-	CCD: 22.07.2024						
					LDR: 29.07.2024						
12	U18MMA1017	Matrix Analysis with Applications	<i>Matrix Analysis with Applications</i>	2	CCD: 22.07.2024	--	-	CCD:	--	-	CCD:
					LDR: 29.07.2024			LDR:			LDR:
13	U18MMA1018	Multivariable calculus	<i>Calculus of Several Real Variables</i>	2	CCD: 22.07.2024						
					LDR: 29.07.2024						

\*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		2 credits	
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		
<i>Total Credits to be earned</i>				<b>18+2</b>	

Date: 10-06-2024

MOOCs Coordinator  
Dr. E. Ranjitkumar

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

Dean, Academic Affairs