



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

Opp : Yerragattugutta, Bheemaram (V), Hasanparthy (Mandal), WARANGAL - 506 015, Telangana State, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना राज्य, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015. తెలంగాణ రాష్ట్రం, భారతదేశము

DEPARTMENT OF MECHANICAL ENGINEERING

No. KITS/MED/2021-22

Date: 14.12.2021

CIRCULAR

HONOURS IN MECHANICAL ENGINEERING

(HME)

Equivalent Courses for Honours curriculum

Sub: Registration- HONOURS CURRICULUM- Equivalent courses offered by NPTEL- Reg

The students enrolled for Honours in Mechanical Engineering are hereby instructed to register for following listed NPTEL courses during even semester of AY-2021-22, on or before 31/01/2022 . The details of equivalent courses are provided in following table

S. No	ELECTIVE COURSES- HONOURS CURRICULUM (any 6 to 9 courses to earn 18 credits)		EQUIVALENT COURSES OFFERED BY								
	Course Code	Course Name	SWAYAM-NPTEL			COURSERA / UDEMY			SPOKEN TUTORIAL - IITB		
Course Name			C	Course Dates*	Course Name	C	Course Dates*	Course Name	C	Course Dates*	
1	U18HME1001			3	CCD: 24-01-2022	--	-	CCD:	--	--	CCD:

		Artificial Intelligence	<i>An introduction to Artificial Intelligence</i>		LDR: 31-01-2022			LDR:		LDR:
2	U18HME1002	Energy Conservation and Waste Heat Recovery	-----	-	CCD:			CCD:		CCD:
					LDR:	--	-	LDR:	-	LDR:
3	U18HME1003	Advanced Fluid Mechanics	<i>Fluid Mechanics and its Applications</i>	3	CCD: 24-01-2022			CCD:	--	CCD:
					LDR: 31-01-2022		-	LDR:	-	LDR:
4	U18HME1004	Computational Fluid Dynamics	<i>Computational Fluid Dynamics for Incompressible Flows</i>	3	CCD: 24-01-2022			CCD:	--	CCD:
					LDR: 31-01-2022	--	-	LDR:	-	LDR:
5	U18HME1005	Design of Heat Exchangers	-----	-	CCD:			CCD:	--	CCD:
					LDR:		-	LDR:	-	LDR:
6	U18HME1006	Robotics	<i>Robotics: Basics and selected advanced concepts</i>	3	CCD: 24-01-2022			CCD:	--	CCD:
					LDR: 31-01-2022	--	-	LDR:	-	LDR:
7	U18HME1007	Stress Analysis	-		CCD:			CCD:	--	CCD:
					LDR:	--	-	LDR:	-	LDR:
8	U18HME1008	MEMS and Nanotechnology	-		CCD:			CCD:	--	CCD:
					LDR:	--	-	LDR:	-	LDR:
9	U18HME1009	Mechanical Vibrations and Condition Monitoring	-	-	CCD:			CCD:	--	CCD:
					LDR:	--	-	LDR:	-	LDR:
10	U18HME1010	Advanced Composite Materials	<i>Advanced Composites</i>	3	CCD: 24-01-2022			CCD:	--	CCD:
					LDR: 30-01-2022		-	LDR:	-	LDR:
11	U18HME1011	Mechatronics	<i>Mechatronics</i>	2	CCD: 24-01-2022			CCD:	--	CCD:
					LDR: 30-01-2022	--	-	LDR:	-	LDR:
12	U18HME1012			3	CCD: 24-01-2022			CCD:	--	CCD:

		Advanced Manufacturing Systems	<i>Introduction To Mechanical Micro Machining</i>		LDR: 30-01-2022			LDR:		LDR:
13	U18HME1013	Work System Design	<i>Principles of Industrial Engineering</i>	3	CCD: 24-01-2022	--	-	CCD:	--	CCD:
					LDR: 30-01-2022			LDR:		LDR:
14	U18HME1014	Automation in Manufacturing	-----	-	CCD:	--	-	CCD:	--	CCD:
					LDR:			LDR:		LDR:
15	U18HME1015	Measurement Systems	<i>Industrial Automation and Control</i>	3	CCD: 24-01-2022	--	-	CCD:	--	CCD:
					LDR: 30-01-2022			LDR:		LDR:

- 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, in case of any such situation, student is advised to submit written letter along with necessary documents to the HoD on or before 21/01/2022.

*C: Credits ; CCD: Course Commencement Date; LDR: Last Date of Registration

Laboratory Courses- Honours curriculum (any 2 courses) - TO BE TAKEN IN THE MECHANICAL DEPARTMENT			
16	Laboratory Courses- Honours curriculum	U18HME1016	Computational Fluid Dynamics Laboratory
17		U18HME1017	Simulation Laboratory
18		U18HME1018	Advanced Manufacturing Laboratory
			2 credits
			<i>Total Credits to be earned</i>
			18+2

Sri.S.Chandramouli, Ms.P.Divya & Dr.M.Om Prakash

Dr.K.Raja Narendra Reddy

