KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE,WARANGAL
(An Autonomous Institute under Kakatiya University)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S.No. /ECE/KITS/2022   **Date: 26-06-2023**

Submitted to the Principal:

Sub: Minors NPTEL equivalent courses for (ME and CE) offering for the AY2023-24in Odd Semester Dept. of ECE-Reg.

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S.No	Minors	Minors equivalent courses offering in NPTEL	Duration	Minors Laboratories
1.	(U18MEC1005) Digital Signal Processing	Real-Time Digital Signal Processing	12weeks	U18MEC1021Signal Processing Laboratory
2.	(U18MEC1009) Digital Image Processing	Digital Image Processing	12weeks	
3.	(U18MEC1010) Wireless and Cellular Communications	Fundamentals Of MIMO Wireless Communication	12 weeks	U18MEC1020 Communications Engineering Laboratory
4.	(U18MEC1011) Antennas	Analysis And Design Principles Of Microwave Antennas	8 weeks	
5.	(U18MEC1012) Fiber Optic Communication Technology	Fiber Optic Communication Technology	12weeks	
6.	U18MEC1015 (Internet of Things)	1.Introduction To Industry 4.0 And Industrial Internet Of Things	12weeks	
		2.Introduction To Internet Of Things	12weeks	
7.	U18MEC1016 Robotics	1."Artificial Intelligence Data Science Robotics"	12weeks	
		2.Robotics	8weeks	
		3."Manufacturing Processes and Technology Product Design Robotics"	12weeks	
		4.Industrial Robotics : Theories For Implementation	12weeks	
		5."Robotics Advanced Dynamics and Vibration Advanced Mechanics"	8weeks	
		6.Foundations Of Cognitive	4weeks	

		Robotics		
8.	(U18MEC1018)Machine Learning	1.Introduction To Machine Learning (Tamil)	*8weeks*	
		2.Machine Learning (Ml) In Hindi	*12weeks*	
		3.Foundations And Applications Of Machine Learning (Bengali)	*8weeks*	
		4.Machine Learning For Earth System Sciences	*8weeks*	
		5.Introduction To Machine Learning - IITKGP	*8weeks*	
		6.Introduction To Machine Learning	*12weeks*	
		7.Applied Linear Algebra For Signal Processing, Data Analytics And Machine Learning	*12weeks*	
		8.Machine Learning And Deep Learning - Fundamentals And Applications	*12weeks*	
		9.Applied Optimization For Wireless, Machine Learning, Big Data	*12weeks*	
		10.Bandit Algorithm (Online Machine Learning)	*12weeks*	
		11.Essential Mathematics For Machine Learning	*12weeks*	

Head, Dept. of ECE
Dr.M.Raju

Coordinator
(Honors /Minors)
B.Komuraiah
Asst.Professor
Dept. Of ECE