



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేక్షాగిరికి అం విజ్ఞాన సంస్థానం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారత
కాకతీయ సాంకేతిక విజ్ఞాన కేంద్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశం

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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DEPARTMENT OF ELECTRONICS COMMUNICATION & INSTRUMENTATION ENGINEERING

Honours Programme _ B.Tech.(ECI) -URR 18

S.No	Honours curriculum course Identified by the Dept	Equivalent SWAYAM MOOC course	Online Course Link	Duration (Weeks)	Credits
1	U18HCI1001 Introduction to Micro Sensors	Microsensors and Nanosensors	https://onlinecourses.nptel.ac.in/noc25_ee177/previiew	12 weeks	03
2	U18HCI1002 Mathematical Foundation for Machine Learning	Mathematics for Machine Learning	https://onlinecourses.nptel.ac.in/noc25_ma61/previiew	12 weeks	03
3	U18HCI1003 Advanced IoT Applications	NPTEL is not offering these courses in July-Nov 2025			
4	U18HCI1004 Artificial Intelligence Applications	Artificial Intelligence: Concepts and Techniques	https://onlinecourses.nptel.ac.in/noc25_cs159/previiew	12 weeks	03
5	U18HCI1005 Op-Amp Applications: Design and Implementation	NPTEL is not offering these courses in July-Nov 2025			
6	U18HCI1006 Advanced communication systems	Modern Digital Communication Techniques	https://onlinecourses.nptel.ac.in/noc25_ee130/previiew	12 weeks	03
7	U18HCI1007 Data Science for Engineers				
8	U18HCI1008 Mathematical Aspects of Biomedical Electronic System Design	Biomedical Ultrasound: Fundamentals of Imaging and Micromachined Transducers	https://onlinecourses.nptel.ac.in/noc25_ge45/previiew	12 weeks	03
9	U18HCI1009 Advanced Digital Signal Processing	Mathematical Methods and Techniques in Signal Processing	https://onlinecourses.nptel.ac.in/noc25_ee153/previiew	12 weeks	03
10	U18HCI1010 Photonics and Applications	Introduction to Photonics	https://onlinecourses.nptel.ac.in/noc25_ee94/previiew	12 weeks	03
11	U18HCI1011 Microelectronics	Microelectronics: Devices to Circuits	https://onlinecourses.nptel.ac.in/noc25_ee110/previiew	12 weeks	03
12	U18HCI1012 Digital VLSI Testing	NPTEL is not offering these courses in July-Nov 2025			
13	U18HCI1013 Software Defined Radio				
14	U18HCI1014				

	mm Wave communication				
15	U18HCI1015 Deep Learning for Computer Vision	Deep Learning for Computer Vision	https://onlinecourses.nptel.ac.in/noc25_cs93/previous	12 weeks	03

HoD-ECIE