



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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

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

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(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) - URR24:

S.No	Honours curriculum course Identified by the Dept	Equivalent SWAYAM MOOC course	Online Course Link	Duration	Credits
1	U24HCI1001 Introduction to Micro Sensors	Micro sensors and Nano sensors	https://onlinecourses.nptel.ac.in/noc25_ee177/preview	12 weeks	4
2	U24HCI1002 Programming in Modern C++	Programming in Modern C++	https://onlinecourses.nptel.ac.in/noc25_cs144/preview	12 weeks	4
3	U24HCI1003 Embedded sensing, actuation and interfacing systems	NPTEL is not offering these courses in July-Nov 2025			
4	U24HCI1004 Advanced IoT Applications				
5	U24HCI1005 Statistical signal processing				
6	U24HCI1006 Adaptive Signal Processing	Introduction to Adaptive Signal Processing	https://onlinecourses.nptel.ac.in/noc25_ee120/preview	8 weeks	3
7	U24HCI1007 Mathematical Aspects of Biomedical Electronic System Design	Mathematical Aspects of Biomedical Electronic System Design	https://onlinecourses.nptel.ac.in/noc25_ee139/preview	12 weeks	4
8	U24HCI1008 Operating System Fundamentals	Operating System Fundamentals	https://onlinecourses.nptel.ac.in/noc25_cs141/preview	12 weeks	4
9	U24HCI1009 Probability Foundations for Engineers	Introduction to Probability Theory and Stochastic Processes	https://onlinecourses.nptel.ac.in/noc25_ma90/preview	12 weeks	4
10	U24HCI1010 Introduction to Information Theory	An Introduction to Coding Theory	https://onlinecourses.nptel.ac.in/noc25_ee114/preview	8 weeks	3
11	U24HCI1011 Principles and Techniques of Modern Radar Systems	Principles and Techniques of Modern Radar Systems	https://onlinecourses.nptel.ac.in/noc25_ee129/preview	12 weeks	4
12	U24HCI1012 Modern communication systems	Modern Digital Communication Techniques	https://onlinecourses.nptel.ac.in/noc25_ee130/preview	12 weeks	4
13	U24HCI1013 Photonics and	Introduction to Photonics	https://onlinecourses.nptel.ac.in/noc25_ee94/preview	12 weeks	4

	Applications				
14	U24HCI1014 Mathematical Foundations for Machine Learning	Mathematical Foundations for Machine Learning	https://onlinecourses.nptel.ac.in/noc25_cs136/preview	12 weeks	4
15	U24HCI1015 Practical Machine Learning with Tensor flow	NPTEL is not offering these courses in July-Nov 2025			

HoD-ECIE