


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 - 506 015 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

MINOR Programme _ B.Tech.(ECI) - URR24:

S. No	MINOR curriculum course Identified by the Dept	Equivalent SWAYAM - MOOC course	ONLINE COURSE LINK	Duration	Cred its
Core courses (any 2 to 3 courses)					
1.	U24MCI1001 Analog Electronic Circuits	Analog Electronic Circuits	https://onlinecourses.nptel.ac.in/noc25_ee157	12 weeks	3
2.	U24MCI1002 Digital Circuits	Digital Circuits	https://onlinecourses.nptel.ac.in/noc25_ee125	12 weeks	3
3.	U24MCI1003 Sensors & Actuators	Microsensors and Nanosensors	https://onlinecourses.nptel.ac.in/noc25_ee177	12 weeks	3
4.	U24MCI1004 Communication Engineering	Analog Communication	https://onlinecourses.nptel.ac.in/noc25_ee131	12 weeks	3
5.	U24MCI1005 Signals and Systems	Mathematical Methods and Techniques in Signal Processing	https://onlinecourses.nptel.ac.in/noc25_ee153	12 weeks	3
6.	U24MCI1006 Microprocessors and Interfacing	Digital Electronics and Microprocessor	NPTEL is not offering these courses in July-Nov 2025		
Elective courses (any 2 to 4 courses)					
7.	U24MCI1007 Electrical Measurement and Electronic Instruments	Electrical Measurement and Electronic Instruments	https://onlinecourses.nptel.ac.in/noc25_ee123	12 weeks	3
8.	U24MCI1007 Integrated Circuits	Linear Integrated Circuits	https://onlinecourses.swayam2.ac.in/ntr25_ed139	12 weeks	4
9.	U24MCI1008 Digital Signal Processing	Real-Time Digital Signal Processing	https://onlinecourses.nptel.ac.in/noc25_ee118	12 weeks	3
10.	U24MCI1009 Industrial Internet of Things	Introduction to Industry 4.0 and Industrial Internet of Things	https://onlinecourses.nptel.ac.in/noc25_cs146	12 weeks	3
11.	U24MCI1011 Introduction to Embedded System Design	Embedded System Design	NPTEL is not offering these courses in July-Nov 2025		
12.	U24MCI1012 Introduction to Machine Learning	Introduction to Machine Learning	https://onlinecourses.nptel.ac.in/noc25_cs91	12 weeks	3

13.	U24MCI1013 Artificial Intelligence and Applications	Artificial Intelligence: Concepts and Techniques	https://onlinecourses.nptel.ac.in/noc25_cs159	12 weeks	3
14.	U24MCI1014 Wireless and Cellular Communications	Introduction to Wireless and Cellular Communications	https://onlinecourses.nptel.ac.in/noc25_ee109	12 weeks	3
15.	U24MCI1015 Fiber Optic Communications	Fiber Optic Communication Technology	https://onlinecourses.nptel.ac.in/noc25_ee90	12 weeks	3
16.	U24MCI1016 Digital Image Processing	Digital Image Processing	https://onlinecourses.nptel.ac.in/noc25_ee126	12 weeks	3
17.	U24MCI1017 VLSI Design	Analog VLSI Design	https://onlinecourses.nptel.ac.in/noc25_ee111	12 weeks	3
18.	U24MCI1018 Biomedical Instrumentation	Biomedical Instrumentation	https://onlinecourses.nptel.ac.in/noc25_bt49	12 weeks	3

HoD-ECIE