



MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY
THIRUVANANTHAPURAM-695015

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

APPROVAL OF MOOC COURSES FOR M.TECH PROGRAMME

LIST OF RECOMMENDED MOOC COURSES FOR PG (EEE)

Course Id	Discipline	Course Name	SME Name	Institute	Duration	UG/PG
noc23-ee01	Electrical and Electronics Engineering	Electric Vehicles - Part 1	Prof. Amit Jain	IITD	4 Weeks	UG/PG
noc23-ee02	Electrical and Electronics Engineering	Electromagnetic Waves in Guided and Wireless Media	Prof. Pradeep Kumar K	IITK	8 Weeks	UG/PG
noc23-ee03	Electrical and Electronics Engineering	Fundamental of Power Electronics	Prof. L. Umanand	IISc	12 Weeks	UG/PG
noc23-ee07	Electrical and Electronics Engineering	CMOS Digital VLSI Design	Prof. Sudeb Dasgupta	IITR	8 Weeks	UG/PG
noc23-ee09	Electrical and Electronics Engineering	A brief introduction of Micro - Sensors	Prof. Santanu Talukder	IISER Bhopal	4 Weeks	PG
noc23-ee10	Electrical and Electronics Engineering	Analog IC Design	Prof. Aniruddhan.S	IITM	12 Weeks	UG/PG
noc23-ee12	Electrical and Electronics Engineering	Linear Dynamical Systems	Prof. Tushar Jain	IIT Mandi	8 Weeks	PG
noc23-ee13	Electrical and Electronics Engineering	Power Management Integrated Circuits	Prof. Qadeer Ahmad Khan	IITM	12 Weeks	UG/PG

noc23-ee15	Electrical and Electronics Engineering	Transmission lines and electromagnetic waves	Prof. Ananth Krishnan	IITM	12 Weeks	PG
noc23-ee16	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna.P	IITM	12 Weeks	UG/PG
noc23-ee18	Electrical and Electronics Engineering	Microwave Integrated Circuits	Prof. Jayanta Mukherjee	IITB	8 Weeks	UG/PG
noc23-ee21	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	IITK	12 Weeks	UG/PG
noc23-ee22	Electrical and Electronics Engineering	Nonlinear and Adaptive Control	Prof. Shubhendu Bhasin	IITD	4 Weeks	PG
noc23-ee23	Electrical and Electronics Engineering	Optimal control	Prof. Barjeev Tyagi	IITR	8 Weeks	PG
noc23-ee24	Electrical and Electronics Engineering	Electronics equipment integration and Prototype building	Prof. N.V.Chalapathi Rao	IISc	8 Weeks	UG/PG
noc23-ee25	Electrical and Electronics Engineering	Architectural Design of Digital Integrated Circuits	Prof. Indranil Hatai	IEST Shibpur	12 Weeks	UG/PG
noc23-ee26	Electrical and Electronics Engineering	Recent Advances in Transmission Insulators	Prof. Subba Reddy B	IISc	4 Weeks	UG/PG
noc23-ee27	Electrical and Electronics Engineering	Power Quality Improvement Technique	Prof. Avik Bhattacharya	IITR	8 Weeks	PG
noc23-ee28	Electrical and Electronics Engineering	Multirate DSP	Prof. R. David Koilpillai	IITM	12 Weeks	UG/PG
noc23-ee30	Electrical and Electronics Engineering	Stochastic Modeling and the Theory of Queues	Prof. Krishna Jagannathan	IITM	12 Weeks	PG
noc23-ee31	Electrical and Electronics Engineering	Digital Signal Processing and its Applications	Prof. V. M. Gadre	IITB	12 Weeks	UG/PG

noc23-ee32	Electrical and Electronics Engineering	Foundations of Wavelets and Multirate Digital Signal Processing	Prof. V. M. Gadre	IITB	4 Weeks	UG/PG
noc23-ee34	Electrical and Electronics Engineering	Circuit Analysis for Analog Designers	Prof. Shanthi Pavan	IITM	12 Weeks	PG
noc23-ee35	Electrical and Electronics Engineering	Semiconductor device modeling and Simulation	Prof. Vivek Dixit	IITKGP	12 Weeks	UG/PG
noc23-ee36	Electrical and Electronics Engineering	RF and Microwave Networks	Prof. Bratin Ghosh	IITKGP	12 Weeks	UG/PG
noc23-ee37	Electrical and Electronics Engineering	Operation and Planning of Power Distribution Systems	Prof. Sanjib Ganguly	IITG	12 Weeks	PG
noc23-ee38	Electrical and Electronics Engineering	Design of Power Electronic Converters	Prof. Shabari Nath	IITG	8 Weeks	UG/PG
noc23-ee39	Electrical and Electronics Engineering	Computer Vision and Image Processing - Fundamentals and Applications	Prof. M. K. Bhuyan	IITG	12 Weeks	UG/PG
noc23-ee78	Electrical and Electronics Engineering	Modern Computer Vision	Prof. A. N. Rajagopalan	IITM	12 Weeks	UG/PG
noc23-ee40	Electrical and Electronics Engineering, Computer Science and Engineering, VLSI Specialization	Design and Analysis of VLSI Subsystems	Prof. Madhav Rao	IIT Bangalore	12 Weeks	UG/PG
noc23-ee41	Electrical and Electronics Engineering, Instrumentation Engineering, Biomedical Engineering, Applied Physics,	Advanced Neural Science for Engineers	Prof. Vikas V Prof. Hardik J Pandya	Nimhans Bangalore IISc	12 Weeks	UG/PG

noc23-ee43	Electrical Engineering	Medical Image Analysis	Prof. Debdoot Sheet	IITKGP	4 Weeks	UG/PG
noc23-ee44	Electrical Engineering	VLSI Signal Processing	Prof. Mrityunjoy Chakraborty	IITKGP	8 Weeks	UG/PG
noc23-ee46	Electrical Engineering	Evolution of Air Interface Towards 5G	Prof. Suvra Sekhar Das	IITKGP	8 Weeks	UG/PG
noc23-ee49	Electrical Engineering	Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	IITKGP	12 Weeks	UG/PG
noc23-ee51	Electrical Engineering	Power System Dynamics, Control and Monitoring	Prof. Debapriya Das	IITKGP	12 Weeks	UG/PG
noc23-ee53	Electrical Engineering	Deep Learning for Visual Computing	Prof. Debdoot Sheet	IITKGP	12 Weeks	PG
noc23-ee54	Electrical Engineering	Network Analysis	Prof. Tapas Kumar Bhattacharya	IITKGP	12 Weeks	UG
noc23-ee56	Electrical Engineering	Industrial Automation and Control	Prof. Alokanti Deb	IITKGP	12 Weeks	UG/PG
noc23-ee58	Electrical Engineering	Facts Devices	Prof. Avik Bhattacharya	IITR	8 Weeks	PG
noc23-ee59	Electrical Engineering	Digital Protection of Power System	Prof. Bhaveshkumar R. Bhalja	IITR	8 Weeks	PG
noc23-ee60	Electrical Engineering	Smart Grid: Basics to Advanced Technologies	Prof. N. P. Padhy Prof. Premlata Jena	IITR	12 Weeks (8 weeks + 4 weeks new)	UG/PG
noc23-ee61	Electrical Engineering	Optical Wireless Communications for Beyond 5G	Prof. Anand Srivastava	IITD	12 Weeks	UG/PG

		Networks and IoT				
noc23-ee63	Electrical Engineering	Power Quality	Prof. Bhim Singh	IITD	12 Weeks	UG/PG
noc23-ee64	Electrical Engineering	An Introduction to Information Theory	Prof. Adrish Banerjee	IITK	8 Weeks	UG/PG
noc23-ee65	Electrical Engineering	Op-Amp Practical Applications: Design, Simulation and Implementation	Prof. Hardik J Pandya	IISc	12 Weeks	UG/PG
noc23-ee66	Electrical Engineering	Sensors and actuators	Prof. Hardik J Pandya	IISc	12 Weeks	UG/PG

NQh
21/03/23
Head of Department
Chairman, Board of Studies

NS
31/03/2023
Principal
Chairman, Academic Council

