

Guru Nanak Dev Engineering College, Ludhiana
Department of Electrical Engineering

Ref.No.:

Date:

Notice for Honour Degree

The students of B.Tech. (EE) (2018 batch onwards) can opt for honour degree as per the following guidelines:

1. List of subjects for session January-April, 2021 which can be opted through MOOCs is asbelow:

Course Id	Course Name	Institute Offering	Duration	Link
noc21-ee01	Fundamental of Power Electronics	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee01/preview
noc21-ee02	Principles of Signals and Systems	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee02/preview
noc21-ee03	Recent Advances in Transmission Insulators	IISc	4 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee03/preview
noc21-ee04	Mathematical Methods and Techniques in Signal Processing	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee04/preview
noc21-ee05	Control engineering	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee05/preview
noc21-ee06	Nonlinear System Analysis	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee06/preview
noc21-ee07	Analog Circuits	IITB	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee07/preview
noc21-ee08	Antennas	IITB	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee08/preview
noc21-ee09	CMOS Digital VLSI Design	IITR	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee09/preview
noc21-ee10	Digital Electronic Circuits	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee10/preview
noc21-ee11	Modern digital communication techniques	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee11/preview
noc21-ee12	Evolution of Air Interface towards 5G	IIT KGP	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee12/preview
noc21-ee13	Electrical Machines - II	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee13/preview
noc21-	Network Analysis	IIT	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee14/preview

ee14		KGP		oc21_ee14/preview
noc21-ee15	Power System Engineering	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee15/preview
noc21-ee16	Power System Dynamics, Control and Monitoring	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee16/preview
noc21-ee17	Biomedical Signal Processing	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee17/preview
noc21-ee18	Microprocessors and Microcontrollers	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee18/preview
noc21-ee19	Fundamentals of semiconductor devices	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee19/preview
noc21-ee20	Digital Signal Processing and its Applications	IITB	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee20/preview
noc21-ee21	Introduction to Time - Varying Electrical Networks	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee21/preview
noc21-ee22	Digital IC Design	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee22/preview
noc21-ee23	Computer Vision and Image Processing - Fundamentals and Applications	IITG	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee23/preview
noc21-ee24	Electrical Machines	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee24/preview
noc21-ee25	Power Management Integrated Circuits	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee25/preview
noc21-ee26	A brief introduction of Micro – Sensors	IISER Bhopal	4 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee26/preview
noc21-ee27	Linear Dynamical Systems	IIT Mandi	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee27/preview
noc21-ee28	Signals and Systems	IISER Bhopal	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee28/preview
noc21-ee29	High Power Multilevel Converters - Analysis, design and operational issues	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee29/preview
noc21-ee30	Principles of Digital Communications	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee30/preview
noc21-ee31	Integrated Circuits, MOSFETs, Op-Amps and their Applications	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee31/preview

noc21-ee32	Sensors and Actuators	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee32/preview
noc21-ee33	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee33/preview
noc21-ee34	Microwave Integrated Circuits	IITB	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee34/preview
noc21-ee35	Photonic integrated circuit	IISc	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee35/preview
noc21-ee36	Multirate DSP	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee36/preview
noc21-ee37	Probability Foundations for Electrical engineers	IITM	8 Weeks + 4 weeks new	https://onlinecourses.nptel.ac.in/noc21_ee37/preview
noc21-ee38	Applied Linear Algebra	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee38/preview
noc21-ee39	Digital System Design	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee39/preview
noc21-ee40	Optical Fiber Sensors	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee40/preview
noc21-ee41	Microprocessors and Interfacing	IITG	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee41/preview
noc21-ee42	Optical Communications	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee42/preview
noc21-ee43	Electromagnetic Waves in Guided and Wireless Media	IITK	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee43/preview
noc21-ee44	Statistical Signal Processing	IITG	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee44/preview
noc21-ee45	Electronics equipment integration and Prototype building	IISc	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee45/preview
noc21-ee46	Electronics Enclosures Thermal issues	IISc	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee46/preview
noc21-ee47	Spread Spectrum Communications And Jamming	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee47/preview
noc21-ee48	Optimal control	IITR	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee48/preview

noc21-ee49	Fuzzy Sets, Logic and Systems & Applications	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee49/preview
noc21-ee50	Nonlinear and Adaptive Control	IITD	4 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee50/preview
noc21-ee51	Analog Ic Design	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee51/preview
noc21-ee52	Architectural Design of Digital Integrated Circuits	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee52/preview
noc21-ee53	Transmission lines and electromagnetic waves	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee53/preview
noc21-ee54	Discrete Time Signal Processing	IIT KGP	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee54/preview
noc21-ge13	Biophotonics	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ge13/preview
noc21-ee55	Basic Electronics	IITB	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee55/preview
noc21-ee56	Power Quality Improvement Technique	IITR	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee56/preview
noc21-ee57	An Introduction to Information Theory	IITK	8 Weeks	https://onlinecourses.nptel.ac.in/noc21_ee57/preview
noc21-ee58	Introduction to Embedded System Design	Netaji Subhas University of Technology and IIT Jammu	12 weeks	https://onlinecourses.nptel.ac.in/noc21_ee58/preview

2. The subjects should be chosen other than in the study scheme 2018 of B. Tech. (EE).
3. Twenty (20) credits can be earned through MOOCs to secure honourdegree.
4. Choice of one course other than parent branch is allowed.
5. The students must enroll on the web link mentioned along with the course latest by 1st Feb, 2021.
6. The duly filled proforma (available on departmental web site ee.gndec.ac.in) must be submitted in the EED office by 15th Feb, 2021.

HOD (EE)

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
DEPARTMENT OF ELECTRICAL ENGINEERING

Performa for Honors Degree

Session:

Name :

University Roll No.:

Semester and Batch:

Contact No. :

Email id

Course(s) successfully completed (attach self attested copies of certificates)			
S.No.	Course Name	Course id	Session of completion
Course(s) Joining in the current session			
S.No.	Course Name	Course id	Tentative exam Date

Signature of Student

Deptt. SWAYAM-NPTEL Local Chapter Coordinator

HoD (EE)