

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
DEPARTMENT OF ELECTRICAL ENGINEERING

Ref. No. EE/43

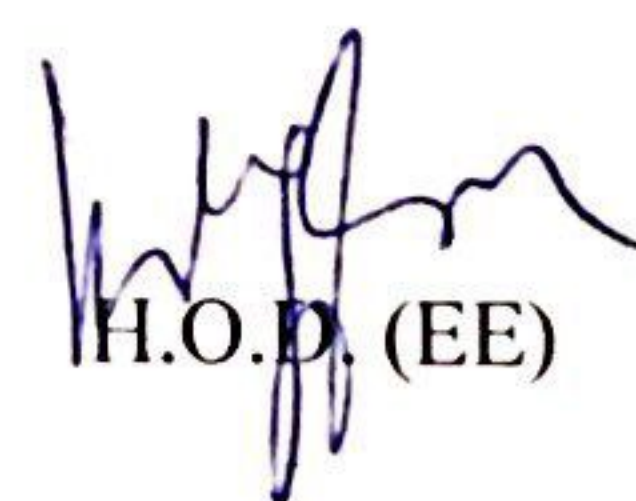
Dated: 09/01/2020

Notice for Minor Engineering Degree

The B.Tech. Students of 2018 admission batch onwards and branches (other than EE) can opt for minor engineering degree as per the following guidelines:

1. 1st and 2nd semester should be successfully cleared by Non-LEET students and LEET students can also enroll.
2. The students can earn 8 credits out of total 20 credits through MOOCs. The remaining 12 credits have to be earned through class room teaching.
3. The student must opt for a minimum of 12 week MOOC course as per the list attached herewith. A student can earn 4 credits by passing a 12 week MOOC course.
4. The student is allowed to register for maximum two subjects in a semester through MOOCs.
5. The college fee for theory course will be Rs 5000/- including Rs 500/- examination fee and Rs. 2500/- for practical courses.
6. Re-appear fees will be Rs. 500/- for per theory course and Rs. 250/- for practical course.
7. The examination and MST's will be held along with regular exams for classroom teaching subjects.
8. The credits earned in Minor engineering through MOOCs will not be considered for honour degree.
9. Passed out students (of 2018 admission batch onwards only) can also avail the option of persuing minor degree in the concerned subject, however the degree must be completed within stipulated period as notified by IKGPTU for the completion of the B.Tech.
10. The duly filed Performa given herewith (also available on departmental weblink) forwarded by head of the parent department must be submitted to Mrs. Harinder Kaur, clerk, EE department by 28th January, 2020. The result of 1st and 2nd semester should be attached with the performa. The last date to enroll for the course on SWAYAM portal is 27th January 2020. The list of course for class room teaching will be notified separately.

NOTE: All the interested students of other department's(2018 batches onwards) are required to fill the form (available on EE deptt link) with the details of course (12 week course) in which they are going to appear in current semester. The number of seats are 50 and seats will be allotted on merit basis (%age of previous semester).


H.O.D. (EE)

CC:-

1. All H.O.D.s
2. Principal for kind information
3. Dean Academics
4. DNB/CNB
5. Prof. G.K. Gill to upload on deptt. Website
6. NPTEL Coordinator
7. BOS File

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List of courses for session Jan-April 2020 which can be opted through MOOCs:

S. No.	Course id	Course Name	Institute	Duration of Course	Web link
1.	noc20-ee15	Principles of Signals and Systems	IITK	12 weeks	https://swayam.gov.in/nd1_noc20_ee15/preview
2.	noc20-ee06	Signals and Systems	IISER Bhopal	12 Weeks	https://swayam.gov.in/nd1_noc20_ee06/preview
3.	noc20-ee16	Principles of Communication Systems - I	IITK	12 weeks	https://swayam.gov.in/nd1_noc20_ee16/preview
4.	noc20-ee17	Principles of Digital Communication	IITD	12 weeks	https://swayam.gov.in/nd1_noc20_ee17/preview
5.	noc20-ee51	Mathematical Methods and Techniques in Signal Processing	IISc	12 weeks	https://swayam.gov.in/nd1_noc20_ee51/preview
6.	noc20-ee53	Statistical Signal Processing	IITG	12 Weeks	https://swayam.gov.in/nd1_noc20_ee53/preview
7.	noc20-ee21	Multirate DSP	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee21/preview
8.	noc20-ee34	Spread Spectrum Communications and Jamming	IIT KGP	12 Weeks	https://swayam.gov.in/nd1_noc20_ee34/preview
9.	noc20-ee13	Integrated Circuits, MOSFETs, OP-Amps and their Applications	IISc	12 Weeks	https://swayam.gov.in/nd1_noc20_ee13/preview
10.	noc20-ee46	Network Analysis	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee46/preview
11.	noc20-ee27	Analog Circuits	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee27/preview
12.	noc20-ee45	Analog Electronic Circuits	IIT KGP	12 Weeks	https://swayam.gov.in/nd1_noc20_ee45/preview
13.	noc20-ee30	Analog Circuits and Systems through SPICE Simulation	IIT KGP	12 Weeks	https://swayam.gov.in/nd1_noc20_ee30/preview
14.	noc20-ee32	Digital Electronic Circuits	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee32/preview
15.	noc20-ee02	High Power Multilevel Converters- Analysis, design and operational issues	IITD	12 Weeks	https://swayam.gov.in/nd1_noc20_ee02/preview
16.	noc20-ee04	Transmission lines and electromagnetic waves	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee04/preview
17.	noc20-ee20	Antennas	IITB	12 Weeks	https://swayam.gov.in/nd1_noc20_ee20/preview
18.	noc20-bt17	Fundamentals of semiconductor devices	IISc	12 Weeks	https://swayam.gov.in/nd1_noc20_bt17/preview
19.	noc20-ee26	Analog IC Design	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee26/preview
20.	noc20-ee05	Digital IC Design	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee05/preview
21.	noc20-ee37	Architectural Design of Digital Integrated Circuits	IIT KGP	12 Weeks	https://swayam.gov.in/nd1_noc20_ee37/preview
22.	noc20-ee42	Microprocessors And Microcontrollers	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee42/preview
23.	noc20-ee11	Microprocessors and Interfacing	IITG	12 weeks	https://swayam.gov.in/nd1_noc20_ee11/preview
24.	noc20-ee08	Power Management Integrated Circuits	IITM	12 Weeks	https://swayam.gov.in/nd1_noc20_ee08/preview
25.	noc20-ee38	Electrical Machines - II	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee38/preview
26.	noc20-ee09	DC Power Transmission Systems	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_ee09/preview
27.	noc20-ee39	Power System Engineering	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee39/preview
28.	noc20-ee22	Control engineering	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_ee22/preview
29.	noc20-ee54	Nonlinear System Analysis	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_ee54/preview
30.	noc20-ee23	Introduction to Photonics	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_ee23/preview
31.	noc20-ee48	Optical Engineering	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_ee48/preview
32.	noc20-ee41	Biomedical Signal Processing	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_ee41/preview
33.	noc20-ee14	Electronic Systems for Cancer Diagnosis	IISc	12 weeks	https://swayam.gov.in/nd1_noc20_ee14/preview
34.	noc20-ee03	Fuzzy Sets, Logic and Systems & Applications	IITK	12 weeks	https://swayam.gov.in/nd1_noc20_ee03/preview

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Performa for Minor Engineering Degree

(Session: Jan-April 2020)

Branch (Parent Department) : _____

Branch (Minor Degree): _____

University Roll No. : _____

Semester : _____

Name : _____

Contact No. : _____

Course id to be enrolled in current semester	Course Name to be enrolled in current semester

SGPA of the Student							
1 st Sem	2 nd Sem	3 rd Sem	4 th Sem	5 th Sem	6 th Sem	7 th Sem	8 th Sem

Signature of Student

Signature of HOD of Parent Department

Allowed/Not Allowed

Signature of HOD (Minor Degree)