Guru Nanak Dev Engineering College, Ludhiana
Department of Electrical Engineering

Ref.No.: EE/600

Date: 26/7/22

Notice for Minor Degree

The students of branches other than B.Tech. (EE) can opt for minor engineering degree as per the following guidelines:

1. 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 in EED.

2. List of subjects for session July-Dec 2022 which can be opted through MOOCs is as below:

Course ID	Course Name	Institute	URL
noc22-ee68	Applied Electromagnetics For Engineers	IITK	https://onlinecourses.nptel.ac.in/noc22_ee68/preview
noc22-ee69	Electromagnetic Theory	IITK	https://onlinecourses.nptel.ac.in/noc22_ee69/preview
noc22-ee71	Design of photovoltaic systems	IISc	https://onlinecourses.nptel.ac.in/noc22_ee71/preview
noc22-ee74	Analog Electronic Circuits	IITD	https://onlinecourses.nptel.ac.in/noc22_ee74/preview
noc22-ee83	Control engineering	IITM	https://onlinecourses.nptel.ac.in/noc22_ee83/preview
noc22-ee84	Linear Systems Theory	IITM	https://onlinecourses.nptel.ac.in/noc22_ee84/preview
noc22-ee90	Basic Electrical Circuits	IITM	https://onlinecourses.nptel.ac.in/noc22_ee90/preview
noc22-ee91	Introduction to Semiconductor Devices	IITM	https://onlinecourses.nptel.ac.in/noc22_ee91/preview
noc22-ee93	Basic Electric Circuits	IITK	https://onlinecourses.nptel.ac.in/noc22_ee93/preview
noc22-ee100	Control and Tuning Methods in Switched Mode Power Converters	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee100/preview
noc22-ee101	Power System Protection	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee101/preview
noc22-ee105	Computational Electromagnetics	IITM	https://onlinecourses.nptel.ac.in/noc22_ee105/preview
noc22-ee107	Probability Foundations for Electrical Engineers	IITM	https://onlinecourses.nptel.ac.in/noc22_ee107/preview
noc22-ee109	Introduction to Electrical Engineering	IITD	https://onlinecourses.nptel.ac.in/noc22_ee109/preview

noc22-ee110	Digital Circuits	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee110/preview
noc22-ee111	Electrical Machines - I	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee111/preview
noc22-ee112	Electrical Measurement And Electronic Instruments	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee112/preview
noc22-ee113	Fundamentals Of Electrical Engineering	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee113/preview
noc22-ee120	Power System Analysis	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee120/preview
noc22-ee124	Digital Control in Switched Mode Power Converters and FPGA-based Prototyping	IITKGP	https://onlinecourses.nptel.ac.in/noc22_ee124/preview

3. The subjects for classroom teaching are

Subject Code	Subject Name
MnPCEE-102	Electrical Measurement & Instrumentation
MnPCEE-103	Power Generation, Transmission & Utilization

4. The credits earned in Minor engineering will not be considered for an Honour degree.
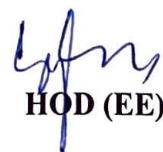
5. Passed out students can also avail the option of pursuing a minor degree in EE, however the degree must be completed within stipulated period as notified by IKGPTU for the completion of the B.Tech.

6. The allotted number of seats for minor engineering degree in Electrical Engineering are 50 per batch and allotment will be done on merit basis.

7. The student should not choose the course having similar contents, studied already by him/her through MOOCs.

8. The students must enroll on the web link mentioned along with the course.

9. The duly filled forms (available on departmental web link) forwarded by the head of the parent department must be submitted in EED office by 29th July,2022.

HOD (EE)

CC:
1. Dean Academics
2. HOD (CSE, CE,ECE, IT,ME and PE)
3. Website Incharge

GURU NANAK DEV ENGINEEERING COLLEGE, LUDHIANA
DEPARTMENT OF ELECTRICAL ENGINEERING
Performa for Minor Engineering Degree

Session: July-Dec 2022

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

Course(s) successfully completed (Attach the copies of previously completed MOOCs courses for Minor)			
S.No.	Course Name	Course id	Session of completion

SGPA of the Student

I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem

Signature of Student   Signature of HOD (Parent Department)

Allowed/Not Allowed   Signature of HOD (Minor Degree)