**GURU NANAK DEV ENGINEEERING COLLEGE, LUDHIANA**

***DEPARTMENT OF ELECTRICAL ENGINEERING***

Ref. No… Dated: -----

**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 (or by mail at [kds@gndec.ac.in](mailto:kds@gndec.ac.in)) by 25th **Sept., 2020**. The last date to enroll for the course on SWAYAM portal is 21st **Sept., 2020**.

**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).

Deptt. MOOCs Coordinator H.O.D. (EE)

CC:-

1. All H.O.D.s
2. Dean Academics
3. DNB/CNB
4. Prof. G.K. Gill to upload on deptt. Website
5. BOS File

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DEPARTMENT OF ELECTRICAL ENGINEERING

List of courses for session Aug-Dec 2020 which can be opted through MOOCs:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Course id** | **Course Name** | **Institute** | **Duration of Course** | **Web link** |
|  | noc20-ee57 | Design of photovoltaic systems | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee57/preview> |
|  | noc20-ee60 | Electrical Machines - I | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee60/preview> |
|  | noc20-ee62 | Control engineering | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee62/preview> |
|  | noc20-ee64 | Basic Electrical Circuits | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee64/preview> |
|  | noc20-ee68 | Fundamentals of Electrical Engineering | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee68/preview> |
|  | noc20-ee69 | Analog communication | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee69/preview> |
|  | noc20-ee70 | Digital Circuits | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee70/preview> |
|  | noc20-ee72 | Power system analysis | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee72/preview> |
|  | noc20-ee73 | Power System Protection | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee73/preview> |
|  | noc20-ee75 | Digital Image Processing | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee75/preview> |
|  | noc20-ee76 | Digital VLSI Testing | IIT KGP | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee76/preview> |
|  | noc20-ee77 | Semiconductor Devices and Circuits | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee77/preview> |
|  | noc20-ee79 | Fiber Optic Communication Technology | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee79/preview> |
|  | noc20-ee82 | Probability Foundations for Electrical Engineers | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee82/preview> |
|  | noc20-ee83 | Image Signal Processing | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee83/preview> |
|  | noc20-ee85 | Microelectronics: Devices To Circuits | IITR | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee85/preview> |
|  | noc20-ee88 | Computer Aided Power System Analysis | IITR | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee88/preview> |
|  | noc20-ee89 | Analog Electronic Circuit | IITD | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee89/preview> |
|  | noc20-ee90 | Control systems | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee90/preview> |
|  | noc20-ee92 | Linear System Theory | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc20_ee92/preview> |
|  | noc20-ee93 | Applied Electromagnetics For Engineers | IITK | 12 weeks | <https://swayam.gov.in/nd1_noc20_ee93/preview> |
|  | noc20-ee95 | Introductory Neuroscience & Neuro-Instrumentation | IISc | 12 weeks | <https://swayam.gov.in/nd1_noc20_ee95/preview> |
|  | noc20-ee96 | Information Theory | IISc | 12 weeks | <https://swayam.gov.in/nd1_noc20_ee96/preview> |
|  | noc20-ee97 | Power Electronics | IITD | 12 weeks | <https://swayam.gov.in/nd1_noc20_ee97/preview> |
|  | noc20-ee98 | Introduction to Embedded System Design | Netaji Subhas University of Technology and IIT Jammu | 12 weeks | [https://swayam.gov.in/nd1\_noc20\_ee98/preview](https://swayam.gov.in/nd1_noc20_ee97/preview) |

**GURU NANAK DEV ENGINEEERING COLLEGE, LUDHIANA**

DEPARTMENT OF ELECTRICAL ENGINEERING

Performa for Minor Engineering Degree

(Session: Aug.-Dec. 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 |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| SGPA of the Student | | | | | | | |
| 1stSem | 2ndSem | 3rdSem | 4thSem | 5thSem | 6thSem | 7thSem | 8thSem |
|  |  |  |  |  |  |  |  |

Signature of Student

Signature of HOD of Parent Department

Allowed/Not Allowed

Signature of HOD (Minor Degree)