**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. The students can earn 8 credits out of total 20 credits through MOOCs. The remaining12 credits have to be earned through class room teaching.
2. 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.
3. The credits earned in Minor engineering through MOOCs will not be considered for honour degree.
4. Passed out students (of 2018 admission batch onwards only) can also avail the option of pursuing 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.
5. The duly filed Performa given herewith (also available on departmental weblink) forwarded by head of the parent department must be submitted to Mrs. HarinderKaur, clerk, EE department by 12th August 2019. The result of 1st and 2nd semester should be attached with the performa.

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

**GURU NANAK DEV ENGINEEERING COLLEGE, LUDHIANA**

DEPARTMENT OF ELECTRICAL ENGINEERING

List of courses for session July-Nov 2019 which can be opted through MOOCs:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course id** | **Course Name** | **Institute** | **Duration of Course** | **Web link** |
| noc19-ee70 | Mapping Signal Processing Algorithms to Architectures | IITM | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee70/> |
| noc19-ee35 | Fundamentals of Electrical Engineering | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee35/> |
| noc19-ee36 | Basic Electric Circuits | IITK | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee36/> |
| noc19-ee37 | Power Electronics | IITD | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee37/> |
| noc19-ee38 | Analog Electronic Circuit | IITD | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee38/> |
| noc19-ee39 | Op-Amp Practical Applications: Design, Simulation and Implementation | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee39/> |
| noc19-ee40 | Fabrication Techniques for MEMs- based sensors: clinical Perspective | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee40/> |
| noc19-ee41 | Sensors and Actuators | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee41/> |
| noc19-ee42 | Control engineering | IIT Madras | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee42/> |
| noc19-ee43 | Linear System Theory | IITM | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee43/> |
| noc19-ee44 | Electrical Measurement and Electronic Instruments | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee44/> |
| noc19-ee46 | Analog Communication | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee46/> |
| noc19-ee48 | Introduction to Wireless and Cellular Communications | IITM | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee48/> |
| noc19-ee50 | Digital Signal Processing | IITM | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee50/> |
| noc19-ee51 | Digital Circuits | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee51/> |
| noc19-ee53 | Neural Networks for Signal Processing – I | IISc | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee53/> |
| noc19-ee54 | Microelectronics: Devices To Circuits | IITR | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee54/> |
| noc19-ee55 | Digital Image Processing | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee55/> |
| noc19-ee56 | Pattern Recognition and Application | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee56/> |
| noc19-ee57 | Microwave Theory and Techniques | IITB | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee57/> |
| noc19-ee58 | Principles and Techniques of Modern Radar Systems | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee58/> |
| noc19-ee59 | Computational Electromagnetics | IITM | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee59/> |
| noc19-ee60 | Electrical Machines - I (IITKGP) | IITKGP | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee60/> |
| noc19-ee62 | Power System Analysis | IITKGP | 12 Weeks | <https://swayam.gov.in/nd1_noc19_ee62/> |
| noc19-ee67 | Fiber-Optic Communication Systems and Techniques | IITK | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee67/> |
| noc19-ee68 | Microwave Engineering | IITG | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee68/> |
| noc19-ee69 | Electrical Machines (IITD) | IITD | 12 weeks | <https://swayam.gov.in/nd1_noc19_ee69/> |

Performa for Minor Engineering Degree

(Session: July-Nov2019)

Branch (Parent Department) :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Branch (Minor Degree):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

University Roll No. :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Semester :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact No. :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Course id | Course Name |
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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)