

**Guru Nanak Dev Engineering College, Ludhiana**  
Department of Electronics and Communication Engineering

Ref. No.1918

Dated: 16.7.2020

**Notice for Minor Engineering Degree**

The students of branches other than B.Tech. (ECE) 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 classroom teaching.
2. List of subjects for session August-December, 2020 which can be opted through MOOCs (**Courses starting from 20<sup>th</sup> July, 2020**) are as follows:

Course ID	Course Name	Institute	Duration	Swayam URL
noc20-ee61	Introduction to Wireless and Cellular Communications	II TM	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee61/preview">https://swayam.gov.in/nd1_noc20_ee61/preview</a>
noc20-ee55	Op-Amp Practical Applications: Design, Simulation and Implementation	IISc	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee55/preview">https://swayam.gov.in/nd1_noc20_ee55/preview</a>
noc20-ee69	Analog communication	IIT KGP	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee69/preview">https://swayam.gov.in/nd1_noc20_ee69/preview</a>
noc20-ee70	Digital Circuits	IIT KGP	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee70/preview">https://swayam.gov.in/nd1_noc20_ee70/preview</a>
noc20-ee89	Analog Electronic	IITD	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee89/preview">https://swayam.gov.in/nd1_noc20_ee89/preview</a>
noc20-ee96	Information Theory	IISc	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee96/preview">https://swayam.gov.in/nd1_noc20_ee96/preview</a>
noc20-ee75	Digital Image Processing	IIT KGP	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee75/preview">https://swayam.gov.in/nd1_noc20_ee75/preview</a>
noc20-ee98	Introduction to Embedded System Design	Netaji Subhas University of Technology and IIT Jammu	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee98/preview">https://swayam.gov.in/nd1_noc20_ee98/preview</a>
noc20-ee90	Control systems	IITM	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee90/preview">https://swayam.gov.in/nd1_noc20_ee90/preview</a>
noc20-ee77	Semiconductor Devices and Circuits	IISc	12 Weeks	<a href="https://swayam.gov.in/nd1_noc20_ee77/preview">https://swayam.gov.in/nd1_noc20_ee77/preview</a>

3. The credits earned in Minor engineering will not be considered for Honour Degree.
4. Passed out students can also avail the option of pursuing a 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 students **must enroll** on the web link mentioned along with the **course latest by 27th July, 2020**.
6. The **duly filled Performa** (available on departmental web link) must be **submitted at [ece@gndec.ac.in](mailto:ece@gndec.ac.in) by 30th July, 2020** and the same will be forwarded to the concerned parent department of the student.

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HOD (ECE)