

**GURU NANAK DEV ENGINEERING COLLEGE LUDHIANA**  
(Department of Electronics & Communication Engineering)  
(An Autonomous College under UGC Act.)

No.ECE/1621

Date: 22.07.2024

Notice

The list of courses for honour and minor degree through MOOCs/Classroom teaching in B.Tech ECE for session July- Dec 2024 is available in table below:

NPTEL MOOCs courses for honour degree

Batch	S.No	Course Id	Course Name	semester
2023	1	noc24-ee99	Introduction to Semiconductor Devices	3 <sup>rd</sup>
	2	noc24-ee125	A Basic course on electric and magnetic circuits	3 <sup>rd</sup>
	3	noc24-cs116	Introduction to Algorithm and Analysis	3 <sup>rd</sup>
2022	1	noc24-ee139	Microelectronics: Devices to circuits	5th
	2	noc24-ee127	Electronics Systems Design: Hands-on Circuits and PCB Design with CAD Software	5th
	3	noc24-ee152	5G Wireless Standard Design	5th
2021	1	noc24-ee144	Introduction to Photonics	7th
	2	noc24-ee133	Digital Image Processing	7th
	3	noc24-ee146	Machine learning and Deep Learning-Fundamentals and Applications	7th

NPTEL MOOCs/ Classroom teaching courses for Minor degree

Batch	S.No	Course Id	Course Name	semester
2021,2022,2023 (online)	1	noc24-ee132	Simulation of Communication Systems using MATLAB	Applicable for students other than ECE Department
	2	noc24-ee147	Digital Circuits	
	3	noc24-ee119	Modern Digital Communication Techniques	
	4	noc24-ee143	Semiconductor Devices & Circuits	
	5	noc24-ee118	Pattern Recognition and Applications	
2021,2022,2023 (offline)	1	MnPCEC-104	Electronic Devices	
	2	MnPCEC-105	Analog Communication Systems	
	3	MnPCEC-102	Electronic Devices Laboratory	
	4	MnLPCEC-103	Analog Communication Systems Laboratory	

Note: All interested students are required to fill the form (available on website) with the details of course in which they are going to appear in current semester.

1. The students can earn 8 credits out of a total of 20 credits through MOOCs. The remaining 12 credits must be earned through classroom teaching.
2. The list of courses for session July- December, 2024 which can be opted through MOOCs is given above.
3. The credits earned in Minor engineering will not be considered for an honour degree.

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4. Passed out students can also avail of the option of pursuing a minor degree in ECE, however, the degree must be completed within the stipulated period as notified by IKGPTU for the completion of the B.Tech.
5. The allotted numbers of seats for a minor engineering the degree in Electronics and Communication engineering is 50 per batch and allotment will be done on merit basis.
6. The student should not choose for the course having similar contents, studied already by him/her through MOOCs.
7. For classroom teaching: the college fees for the theory course will be Rs 5000/- including Rs 500/- Examination fee and Rs. 2500/- for practical courses.
8. Re-appear fee will be Rs. 500/- for per theory course and Rs. 250/- for the practical course.
9. The examination and MSE's will be held along with regular exams for classroom teaching subjects.
10. The classes for these subjects will be held as per the time table provided by the department.
11. Submit the duly filled performa (attached with notice) forwarded by the head of the parent department in ECE department office by 31<sup>st</sup> July 2024. For classroom teaching proof of fee paid should be attached with the performa.

HOD  
Cc.

1. Principal for information, please
2. Dean Academic for information
3. HOD's (EE/ME&PE/CE/IT/CSE)
4. BOS File
5. Mentors of 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> semester for guiding students for maximum enrolment.
6. Office Copy C-32
7. DNB

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

Performa for Honour Degree  
(Session: Aug – Dec, 2024)

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

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

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

Course id : \_\_\_\_\_

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

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

Signature of Student

Signature of HOD (ECE)

**Guru Nanak Dev Engineering College, Ludhiana**  
**Department of Electronics and Communication Engineering**  
**Performa for Minor Engineering Degree**  
**Classroom Teaching**  
**(Session: August – Dec, 2024)**

Branch : \_\_\_\_\_

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

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

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

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

Section. \_\_\_\_\_

SGPA (1 <sup>st</sup> Sem)	SGPA (2 <sup>nd</sup> Sem)	SGPA (3 <sup>rd</sup> Sem)	SGPA (4 <sup>th</sup> Sem)	SGPA (5 <sup>th</sup> Sem)	SGPA (6 <sup>th</sup> Sem)

Signature of Student

HOD (Concerned Department)

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

**Performa for Minor Engineering Degree**

**MOOCS Courses**

**(Session: August – Dec, 2024)**

Branch : \_\_\_\_\_

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

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

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

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

Section. \_\_\_\_\_

<b>SGPA (1<sup>st</sup> Sem)</b>	<b>SGPA (2<sup>nd</sup> Sem)</b>	<b>SGPA (3<sup>rd</sup> Sem)</b>	<b>SGPA (4<sup>th</sup> Sem)</b>	<b>SGPA (5<sup>th</sup> Sem)</b>	<b>SGPA (6<sup>th</sup> Sem)</b>

**Signature of Student**

**HOD (Concerned Department)**