

Guru Nanak Dev Engineering College, Ludhiana

Department of Computer Science and Engineering

Ref. No.:

Date:

Notice for Honour Degree

The students of B.Tech (CSE) (2022 and 2023 Batch) can opt for Honour Degree as per the following guidelines:

1. List of subjects for session July-December, 2025 which can be opted through MOOCs:

5th Semester (2023-2027 Batch)

| Sr. No. | Course ID | Course Name | Click here to Join the course | Institute | Duration |
|---------|-------------|---|---|-------------------------------|----------|
| 1 | noc25-cs87 | Foundations of Virtual Reality | https://onlinecourses.nptel.ac.in/noc25_cs87/preview | IIT Madras University of Oulu | 12 Weeks |
| 2 | noc25-cs117 | Privacy and Security in Online Social Media | https://onlinecourses.nptel.ac.in/noc25_cs117/preview | IIIT Hyderabad | 12 Weeks |
| 3 | noc25-cs142 | Ethical Hacking | https://onlinecourses.nptel.ac.in/noc25_cs142/preview | IIT Kharagpur | 12 Weeks |
| 4 | noc25-cs153 | Approximation Algorithm | https://onlinecourses.nptel.ac.in/noc25_cs153/preview | IIT Kharagpur | 12 Weeks |
| 5 | noc25-cs122 | Randomized Methods in Complexity | https://onlinecourses.nptel.ac.in/noc25_cs122/preview | IIT Kanpur | 12 Weeks |

7th Semester (2022-2026 Batch)

| Sr. No. | Course ID | Course Name | Click here to Join the course | Institute | Duration |
|---------|-------------|------------------------------|---|------------|----------|
| 1 | noc25-cs84 | Advanced Distributed Systems | https://onlinecourses.nptel.ac.in/noc25_cs84/preview | IIT Delhi | 12 Weeks |
| 2 | noc25-cs92 | Reinforcement Learning | https://onlinecourses.nptel.ac.in/noc25_cs92/preview | IIT Madras | 12 Weeks |
| 3 | noc25-cs100 | Social Network Analysis | https://onlinecourses.nptel.ac.in/noc25_cs100/preview | IIT Delhi | 12 Weeks |

| | | | | | |
|---|-------------|--|---|------------------------------|----------|
| 4 | noc25-cs118 | Responsible & Safe AI Systems | https://onlinecourses.nptel.ac.in/noc25_cs118/preview | IIT Hyderabad and IIT Madras | 12 Weeks |
| 5 | noc25-cs146 | Introduction to Industry 4.0 and Industrial Internet of Things | https://onlinecourses.nptel.ac.in/noc25_cs146/preview | IIT Kharagpur | 12 Weeks |
| 6 | noc25-cs161 | Introduction to Large Language Models (LLMs) | https://onlinecourses.nptel.ac.in/noc25_cs161/preview | IIT Delhi | 12 Weeks |

- Subjects should be chosen other than study scheme 2018 of B.Tech (CSE).
- 18 to 20 credits can be earned through MOOCs to secure an honour degree.
- The student can not choose the course with similar contents, already studies by him/her through MOOCs.
- After registering for MOOCs course students are required to submit the duly filled performa (attached with notice) and submit in the department office by 21st July, 2025.
- Choice of one course other than parent branch is allowed from the following list(admission batch 2023 are not allowed to choose from these they have to choose from the above mentioned courses only):

| Sr. No. | Course ID | Course Name | Click here to Join the course | Institute | Duration |
|---------|------------|---|---|----------------|----------|
| 1 | noc25-ge59 | Numerical Methods for Engineers | https://onlinecourses.nptel.ac.in/noc25_ge59/preview | IIT Madras | 12 Weeks |
| 2 | noc25-ge70 | Learning Analytics Tools | https://onlinecourses.nptel.ac.in/noc25_ge70/preview | IIT Bombay | 12 Weeks |
| 3 | noc25-ge77 | Machine Learning for Core Engineering Disciplines | https://onlinecourses.nptel.ac.in/noc25_ge77/preview | IISc Bangalore | 12 Weeks |

HOD(CSE)

CC:

- Dean Academics
- BOS File
- Department website

Department of Computer Science and Engineering

Performa for Degree with Honours

(MOOCs Course)

Session: July-November 2025

| | |
|---|-------------------------------|
| Course: | Bachelor of Technology |
| Branch: | _____ |
| Batch: | _____ |
| University Roll No.: | _____ |
| Name of Student: | _____ |
| Father's Name: | _____ |
| Semester/Year: | _____ |
| Contact Number: | _____ |
| Course Name (Offered by department): | _____ |
| Course Id: | _____ |

Signature of Student (with date)

Signature of HOD

Encl. Previous MOOCs Course Certificates