Guru Nanak Dev Engineering College, Ludhiana

Department of Computer Science and Engineering

Ref. No.: CSE/30/3300

Date: 16/1/25

<u>Notice for Minor Degree</u>

The students of branches other than B.Tech(CSE) can opt for Minor Engineering Degree as per the following guidelines:

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 January-April, 2025 which can be opted through MOOCs is as below:

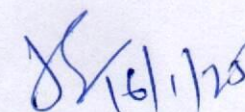| Sr. No.	Course ID	Course Name	Click here to Join the course	Institute	Duration
1	noc25-cs26	Discrete Mathematics	https://onlinecourses.nptel.ac.in/noc25_cs26/preview	IIT Ropar	12 Weeks
2	noc25-cs57	Programming In Java	https://onlinecourses.nptel.ac.in/noc25_cs57/preview	IIT Kharagpur	12 Weeks
3	noc25-cs70	Theory of Computation	https://onlinecourses.nptel.ac.in/noc25_cs70/preview	IIT Hyderabad	12 Weeks
4	noc25-ee16	Deep Learning	https://onlinecourses.nptel.ac.in/noc25_ee16/preview	IIT Kharagpur	12 Weeks
5	noc25-cs27	Discrete Mathematics for CS	https://onlinecourses.nptel.ac.in/noc25_cs27/preview	IIT Kanpur	12 Weeks
6	noc25-cs07	Artificial Intelligence: Knowledge Representation And Reasoning	https://onlinecourses.nptel.ac.in/noc25_cs07/preview	IIT Madras	12 Weeks
7	noc25-cs08	Blockchain and its Applications	https://onlinecourses.nptel.ac.in/noc25_cs08/preview	IIT Kharagpur	12 Weeks
8	noc25-cs16	Cryptography and Network Security	https://onlinecourses.nptel.ac.in/noc25_cs16/preview	IIT Kharagpur	12 Weeks
9	noc25-cs17	Data Analytics with Python	https://onlinecourses.nptel.ac.in/noc25_cs17/preview	IIT Roorkee	12 Weeks
10	noc25-cs31	Foundations of Cryptography	https://onlinecourses.nptel.ac.in/noc25_cs31/preview	IIIT Bangalore	12 Weeks
11	noc25-cs38	Human Computer Interaction (In English)	https://onlinecourses.nptel.ac.in/noc25_cs38/preview	IIIT Delhi	12 Weeks

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12	noc25-cs46	Introduction to Machine Learning	https://onlinecourses.nptel.ac.in/noc25_cs46/preview	IIT Madras	12 Weeks
13	noc25-cs51	Natural Language Processing	https://onlinecourses.nptel.ac.in/noc25_cs51/preview	IIT Kharagpur	12 Weeks

3. The credits earned in Minor engineering will not be considered for an honour degree.
4. Passed out students can also avail of the option of pursuing a minor degree in CSE, however, the degree must be completed within the stipulated period as notified by IKGPTU for the completion of the B.Tech.
5. The allotted number of seats for a minor engineering degree in Computer Science and Engineering is 50 per batch and allotment will be done on a merit basis.
6. The student should not choose the course having similar contents, studied already by him/her through MOOCs.

Subjects for Classroom Teaching: Batch 2023-2027, 2022-2026, 2021-2025

Subject Code	Subject Name	Credits
MnPCCS101	Data Structures	3
MnLPCCS101	Data Structures Laboratory	1

1. The college fees for the theory course will be Rs. 5000/- including Rs. 500/- examination fees and Rs.2500/- for practical courses.
2. Re-appear fees will be Rs. 500/- for per theory course and Rs. 250/- for the practical course.
3. The examination and MSE's will be held along with regular exams for classroom teaching subjects.
4. The classes for these subjects will be held as per the time table provided by the department.
5. Submit the duly filled proforma (attached with this notice) forwarded by the head of the parent department, in CSE department office by 20 January 2025. For classroom teaching, proof of fee paid should be attached with the Performa.

16/1/25

HOD(CSE)

CC:
1. Dean Academics
2. BOS File
3. All Departments
4. Department website

Department of Computer Science and Engineering

Performa for Minor Engineering Degree

MOOC course

(Session: January-April, 2025)

Branch: _____

University Roll No.: _____

Semester: _____

Name: _____

Contact No.: _____

Section: _____

Course ID	Course Name	SGPA (1st sem)	SGPA (2nd sem)

Signature of student

HOD (Concerned Department)

Department of Computer Science and Engineering

Performa for Minor Engineering Degree

Classroom Teaching

(Session: January-April, 2025)

Branch: _____

University Roll No.: _____

Semester: _____

Name: _____

Contact No.: _____

Section: _____

SGPA (1st Sem)	SGPA (2nd Sem)	SGPA (3rd Sem)	SGPA (4th Sem)	SGPA (5th Sem)	SGPA (6th Sem)

Signature of student

HOD (Concerned Department)