Guru Nanak Dev Engineering College, Ludhiana
Department of Computer Science and Engineering

Notice for Minor Engineering Degree

January-May 2022

Ref. No.: CSE/1786

Date: 7.1.2022

The students of branches other than B.Tech. (Computer Science and Engineering) 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 January-April, 2022 which can be opted through MOOCs are as following:

Course Id	Course Name	Institute	Duration	Link to enrol
noc22-cs02	Artificial Intelligence: Knowledge Representation and Reasoning	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs02/preview
noc22-cs03	Foundations of Cryptography	IIIT Bangalore	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs03/preview
noc22-cs04	Discrete Mathematics - IIITB	IIIT Bangalore	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs04/preview
noc22-cs08	Data Analytics with Python	IITR	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs08/preview
noc22-cs13	Ethical Hacking	IITKGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs13/preview
noc22-cs14	Compiler Design	IITKGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs14/preview
noc22-cs15	Computer Architecture	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs15/preview
noc22-cs22	Deep Learning	IITKGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs22/preview
noc22-cs29	Introduction to Machine Learning	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs29/preview
noc22-cs31	The Joy of Computing using Python	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs31/preview
noc22-cs33	Discrete Mathematics	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs33/preview
noc22-cs35	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs35/preview
noc22-cs47	Programming In Java	IITKGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs47/preview
noc22-cs53	Introduction To Internet Of Things	IITKGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs53/preview
noc22-cs56	An Introduction to Artificial Intelligence	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc22_cs56/preview

3. The credits earned in Minor engineering will not be considered for an 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 allotted number of seats for minor engineering degree in Computer Science and Engineering are 50 and allotment will be done on merit basis.

6. The student should not choose the course having similar contents, studied already by him/her through MOOCs.

7. The students must enrol on the web link mentioned along with the course **latest by January 24, 2022**.

<u>Subjects for Classroom Teaching</u>:

Subject Code	Subject Name	Credits
MnPCCS102	Operating System	3
MnLPCCS102	Operating System 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. The duly filled proforma (available on the departmental weblink) forwarded by the head of the parent department must be submitted at **minordegreecse@gmail.com** by January 31, 2022 and fill in the details **http://bit.do/Minor_cse_21**. For classroom teaching, proof of fee paid should be attached with the Performa.

Academic Incharge   **HOD (CSE)**

Department of Computer Science and Engineering

Performa for Minor Engineering Degree

MOOC course

(Session: January-April, 2022)

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, 2022)

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)