

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

Ref. No.: CSE/853

Date: 15/01/2021

Notice for Minor Degree

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 total 20 credits through MOOCs. The remaining 12 credits have to be earned through classroom teaching.
2. List of subjects for session January-April, 2021 which can be opted through MOOCs is as below:

Course Id	Course Name	Institute Offering	Duration	Link to Join
noc21-cs03	Programming in Java	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs03/preview
noc21-cs05	Deep Learning - IITKGP	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs05/preview
noc21-cs07	Compiler Design	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs07/preview
noc21-cs08	Embedded Systems Design	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs08/preview
noc21-cs16	Cryptography and Network Security	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs16/preview
noc21-cs17	Introduction to internet of things	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs17/preview
noc21-cs19	Introduction to Automata, Languages and Computation	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs19/preview
noc21-cs24	Introduction to Machine Learning	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs24/preview
noc21-cs25	Reinforcement Learning	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs25/preview
noc21-cs26	Artificial Intelligence: Knowledge Representation and Reasoning	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs26/preview
noc21-cs29	Foundations to Computer Systems Design	IITM	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs29/preview
noc21-cs31	Social Networks	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs31/preview
noc21-cs32	The Joy of Computing using Python	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs32/preview

noc21-cs35	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs35/preview
noc21-cs40	Computational Geometry	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs40/preview
noc21-cs42	An Introduction to Artificial Intelligence	IITD	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs42/preview
noc21-cs43	Foundations of Cryptography	IIT Bangalore	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs43/preview
noc21-cs45	Data Analytics with Python	IITR	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs45/preview
noc21-cs46	GPU Architectures and Programming	IIT KGP	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs46/preview
noc21-cs49	Computational Complexity Theory	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs49/preview
noc21-cs53	Randomized Methods in Complexity	IITK	12 Weeks	https://onlinecourses.nptel.ac.in/noc21_cs53/preview

2. The credits earned in Minor engineering will not be considered for an honour degree.
3. Passed out students can also avail the option of pursuing a minor degree in CSE, however the degree must be completed within stipulated period as notified by IKGPTU for the completion of the B.Tech.
4. The allotted number of seats for minor engineering degree in Computer Science and Engineering are 50 per batch and allotment will be done on merit basis.
5. The students must enrol on the web link mentioned along with the course latest by 25th January, 2021.
6. The duly filled proforma (available on departmental web link) forwarded by the head of the parent department must be submitted at moocsaugust2020@gmail.com by 31st January, 2021 and also fill the details at http://bit.do/Minor_cse_21.

HOD (CSE)