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

Notice for Minor Engineering 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 class room teaching.
- 2. List of subjects for session Jan-May, 2020 which can be opted through MOOCs are as following:

Course id	Course Name	Institute	Duration of Course	Weblink to join the course
noc20-cs08	Programming in Java	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_cs0 8/preview
noc20-cs35	The Joy of Computing using Python	IIT Ropar	12 weeks	https://swayam.gov.in/nd1 noc20 cs3 5/preview
noc20-cs53	An Introduction To Programming Through C++	IITB	12 weeks	https://swayam.gov.in/nd1_noc20_cs5 3/preview
noc20-cs03	Introduction to Database Systems	IITM	12 weeks	https://swayam.gov.in/nd1_noc20_cs0 3/preview
noc20-cs10	Introduction to algorithms and analysis	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_cs1 0/preview
noc20-cs37	Discrete Mathematics	IIT Ropar & IIT Bhilai	12 weeks	https://swayam.gov.in/nd1 noc20 cs3 7/preview
noc20-cs04	Operating System	IITD	12 weeks	https://swayam.gov.in/nd1_noc20_cs0 4/preview
noc20-cs29	Introduction to Machine Learning	IITM	12 weeks	https://swayam.gov.in/nd1 noc20 cs2 9/preview
noc20-cs42	An Introduction to Artificial Intelligence	IITD	12 weeks	https://swayam.gov.in/nd1 noc20 cs4 2/preview
noc20-cs11	Deep Learning (IITKGP)	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_cs1 1/preview
noc20-cs25	Computer Architecture	IITD	12 weeks	https://swayam.gov.in/nd1_noc20_cs2 5/preview
noc20-cs13	Compiler Design	IIT KGP	12 weeks	https://swayam.gov.in/nd1 noc20 cs1 3/preview
noc20-cs22	Introduction to internet of things	IIT KGP	12 weeks	https://swayam.gov.in/nd1 noc20 cs2 2/preview
noc20-cs23	Computer Networks and Internet Protocol	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_cs2 3/preview
noc20-cs32	Social Networks	Punjab Engineering College & IIT Ropar	12 weeks	https://swayam.gov.in/nd1 noc20 cs3 2/preview
noc20-cs02	Foundations of Cryptography	IIIT Bangalore	12 weeks	https://swayam.gov.in/nd1 noc20 cs0 2/preview
noc20-cs21	Cryptography and Network Security	IIT KGP	12 weeks	https://swayam.gov.in/nd1_noc20_cs2_1/preview

- 3. The credits earned in Minor engineering will not be considered for honour degree.
- 4. Passed out students can also avail the option of pursuing 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 students must enrol on the web link mentioned along with the course latest by 27th January, 2020.
- 7. The duly filled performa (available on departmental web link) forwarded by head of the parent department must be submitted in CSE department by 30th January, 2020. The results of 1st and 2nd semester should be attached with the performa.