

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
Department of Computer Science and Engineering

Ref. No.: CSE/544

Dated: 25-07-2023

Notice for Honours Degree

The students of B.Tech. (Computer Science and Engineering) (2019 batch onwards) can opt for honour degree as per the following guidelines:

1. List of subjects for session August-December, 2023 which can be opted through MOOCs (Last date for MOOC's course enrollment is 31st July,2023):

3rd Semester (Batch 2022-26)

S. No.	Course Id	Course Name	Duration	Click here to join the course
1	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
2	noc23-cs114	C-Based VLSI Design	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs114/preview
3	noc23-cs69	Privacy And Security in Online Social Media	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview

5th Semester (Batch 2021-25) and 7th Semester (Batch 2020-24)

Track 1: Software Engineering

S. No.	Course Id	Course Name	Duration	Click here to join the course
1	noc23-cs100	Reinforcement Learning	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs100/preview
2	noc23-cs102	Parameterized Algorithms	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs102/preview
3	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
4	noc23-cs110	Deep Learning - IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs110/preview
5	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs116/preview
6	noc23-cs68	Advanced Distributed Systems	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs68/preview
7	noc23-cs69	Privacy And Security In	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview

		Online Social Media		
8	noc23-cs74	Programming In Java	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs74/preview
9	noc23-cs75	Ethical Hacking	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs75/preview
10	noc23-cs77	Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs77/preview
11	noc23-cs80	Natural Language Processing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs80/preview
12	noc23-cs83	Introduction To Internet Of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs83/preview
13	noc23-cs126	Deep Learning for Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs126/preview
14	noc23-cs89	Cloud Computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs89/preview

5th Semester (Batch 2021-25) and 7th Semester (Batch 2020-24)

Track 2: Network Technologies

S. No.	Course Id	Course Name	Institute Duration	Click here to join the course
1	noc23-cs100	Reinforcement Learning	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs100/preview
2	noc23-cs102	Parameterized Algorithms	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs102/preview
3	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
4	noc23-cs110	Deep Learning - IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs110/preview
5	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs116/preview
6	noc23-cs68	Advanced Distributed Systems	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs68/preview
7	noc23-cs69	Privacy And Security In Online Social Media	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview

8	noc23-cs74	Programming In Java	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs74/preview
9	noc23-cs75	Ethical Hacking	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs75/preview
10	noc23-cs77	Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs77/preview
11	noc23-cs80	Natural Language Processing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs80/preview
12	noc23-cs91	Software Testing (IITB)	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs91/preview
13	noc23-cs126	Deep Learning for Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs126/preview
14	noc23-cs89	Cloud Computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs89/preview

5th Semester (Batch 2021-25) and 7th Semester (Batch 2020-24)

Track 3: Data Management

S. No.	Course Id	Course Name	Duration	Click here to join the course
1	noc23-cs100	Reinforcement Learning	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs100/preview
2	noc23-cs102	Parameterized Algorithms	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs102/preview
3	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
4	noc23-cs110	Deep Learning - IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs110/preview
5	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs116/preview
6	noc23-cs68	Advanced Distributed Systems	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs68/preview
7	noc23-cs69	Privacy And Security In Online Social Media	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview
8	noc23-cs74	Programming In Java	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs74/preview

9	noc23-cs75	Ethical Hacking	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs75/preview
10	noc23-cs77	Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs77/preview
11	noc23-cs80	Natural Language Processing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs80/preview
12	noc23-cs83	Introduction To Internet Of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs83/preview
13	noc23-cs91	Software Testing (IITB)	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs91/preview
14	noc23-cs126	Deep Learning for Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs126/preview

5th Semester (Batch 2021-25) and 7th Semester (Batch 2020-24)

Track 4: Machine Intelligence

S. No.	Course Id	Course Name	Duration	Click here to join the course
1.	noc23-cs100	Reinforcement Learning	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs100/preview
2.	noc23-cs102	Parameterized Algorithms	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs102/preview
3.	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
4.	noc23-cs68	Advanced Distributed Systems	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs68/preview
5.	noc23-cs69	Privacy And Security In Online Social Media	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview
6.	noc23-cs74	Programming In Java	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs74/preview
7.	noc23-cs75	Ethical Hacking	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs75/preview
8.	noc23-cs83	Introduction To Internet Of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs83/preview
9.	noc23-cs91	Software Testing (IITB)	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs91/preview
10.	noc23-cs89	Cloud Computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs89/preview

5th Semester (Batch 2021-25) and 7th Semester (Batch 2020-24)

Track 5: Algorithm Design and Programming

S. No.	Course Id	Course Name	Duration	Click here to join the course
1	noc23-cs100	Reinforcement Learning	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs100/preview
2	noc23-cs102	Parameterized Algorithms	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs102/preview
3	noc23-cs107	Social Networks	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs107/preview
4	noc23-cs110	Deep Learning - IIT Ropar	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs110/preview
5	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs116/preview
6	noc23-cs68	Advanced Distributed Systems	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs68/preview
7	noc23-cs69	Privacy And Security In Online Social Media	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs69/preview
8	noc23-cs75	Ethical Hacking	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs75/preview
9	noc23-cs77	Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs77/preview
10	noc23-cs80	Natural Language Processing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs80/preview
11	noc23-cs83	Introduction To Internet Of Things	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs83/preview
12	noc23-cs89	Cloud Computing	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs89/preview
13	noc23-cs91	Software Testing (IITB)	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs91/preview
14	noc23-cs126	Deep Learning for Computer Vision	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_cs126/preview

2. The subjects should be chosen other than in the study scheme 2018 of B.Tech. (CSE).
3. Twenty (18 to 20) credits can be earned through MOOCs to secure an honour degree.
4. The student cannot choose the course having similar contents/course name, already studied by him/her through MOOCs.
5. Fill in the details at <https://forms.gle/6CQrjqwYmR4ySs7g6> immediately after registering for Moocs Course and the duly signed performa must be submitted in department office by 25th August, 2023.
6. Choice of one course other than the parent branch is allowed from the following list.

S. No.	Course Id	Course Name	Duration	Click here to join the course
1	noc23-ge34	Neuroscience of Human Movements	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_ge34/preview
2	noc23-ge35	Numerical Methods for Engineers	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_ge35/preview
3	noc23-ge41	Solar Energy Engineering and Technology	12 Weeks	https://onlinecourses.nptel.ac.in/noc23_ge41/preview

Dr. Parminder Singh
HOD

Department of Computer Science and Engineering

MOOCs Course Performa for Honours Degree

Session: _____

University Roll No. : _____

Name : _____

Semester : _____

Track : _____

Contact Number : _____

Course Id : _____

Course Name : _____

Signature of Student