

**Guru Nanak Dev Engineering College, Ludhiana**  
**Department of Information Technology**

Ref. No.

**IT/30/6743-49**

Dated:

**24/1/2025**

With reference to letter no. IT/30/6682-88 dated 15/01/2025, the revised list of courses for Honours and Minor Degree through MOOCs/Classroom teaching in B.Tech (IT) for session **Jan - May 2025** is available in table below.

**NPTEL MOOCS courses for Honour Degree: Jan – May 2025**

Batch	Semester	Name of Course	Course ID	Web link to join the Course	Institute	Duration
2023-2027	4 <sup>th</sup>	1. Foundations of Cyber Physical Systems	noc25-cs32	<a href="https://onlinecourses.nptel.ac.in/noc25_cs32/preview">https://onlinecourses.nptel.ac.in/noc25_cs32/preview</a>	IIT Kharagpur	12 Weeks
		2. Social Networks	noc25-cs65	<a href="https://onlinecourses.nptel.ac.in/noc24_cs65/preview">https://onlinecourses.nptel.ac.in/noc24_cs65/preview</a>	IIT Ropar	12 Weeks
2022-2026	6 <sup>th</sup>	1. Blockchain & its Applications	noc25-cs08	<a href="https://onlinecourses.nptel.ac.in/noc25_cs08/preview">https://onlinecourses.nptel.ac.in/noc25_cs08/preview</a>	IIT Kharagpur	12 Weeks
		2. Parallel Computer Architecture	noc25-cs54	<a href="https://onlinecourses.nptel.ac.in/noc25_cs54/preview">https://onlinecourses.nptel.ac.in/noc25_cs54/preview</a>	IIT Guwahati	12 Weeks
		3. Introduction to Industry 4.0 and Industrial Internet of Things	noc25-cs43	<a href="https://onlinecourses.nptel.ac.in/noc25_cs43/preview">https://onlinecourses.nptel.ac.in/noc25_cs43/preview</a>	IIT Kharagpur	12 Weeks
		4. Data Analytics with Python	noc25-cs17	<a href="https://onlinecourses.nptel.ac.in/noc25_cs17/preview">https://onlinecourses.nptel.ac.in/noc25_cs17/preview</a>	IIT Roorkee	12 Weeks
2021-2025	8 <sup>th</sup>	1. Embedded Systems Design	noc25-cs30	<a href="https://onlinecourses.nptel.ac.in/noc25_cs30/preview">https://onlinecourses.nptel.ac.in/noc25_cs30/preview</a>	IIT Kharagpur	12 Weeks
		2. Data Analytics with Python	noc25-cs17	<a href="https://onlinecourses.nptel.ac.in/noc25_cs17/preview">https://onlinecourses.nptel.ac.in/noc25_cs17/preview</a>	IIT Roorkee	12 Weeks
		3. Compiler Design	noc25-cs13	<a href="https://onlinecourses.nptel.ac.in/noc25_cs13/preview">https://onlinecourses.nptel.ac.in/noc25_cs13/preview</a>	IIT Kharagpur	12 Weeks
		4. Affective Computing	noc25-cs04	<a href="https://onlinecourses.nptel.ac.in/noc25_cs04/preview">https://onlinecourses.nptel.ac.in/noc25_cs04/preview</a>	IIT Delhi	12 Weeks

**NPTEL MOOCS/classroom Teaching courses for Minor Degree: Jan- May 2025**

Batch	Course Type	Name of course	Course ID	Credits	Semester
2023-2027, 2022-2026	Class Room Teaching	1. Database Management System Database Management System Laboratory	MnPCIT102	3	Applicable for 4 <sup>th</sup> and 6 <sup>th</sup> semester students of branches other than IT
			MnLPCIT102	1	
		2. Web Technologies Web Technologies Laboratory	MnPCIT107	3	
			MnLPCIT107	1	
2023-2027, 2022-2026	MOOCs	1. Data Analytics with python	noc25-cs17 <a href="https://onlinecourses.nptel.ac.in/noc25_cs17/preview">https://onlinecourses.nptel.ac.in/noc25_cs17/preview</a>	3	Applicable for 4 <sup>th</sup> and 6 <sup>th</sup> semester students of branches other than IT
		2. Computer Networks and Internet Protocol	noc24-cs15 <a href="https://onlinecourses.nptel.ac.in/noc25_cs15/preview">https://onlinecourses.nptel.ac.in/noc25_cs15/preview</a>	3	

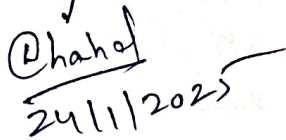
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**Note:** All the interested students of IT department are required to fill the form (available on website) with the details of course (12 Week Course) in which they are going to appear in current semester. The hard copy is to be submitted to department clerk through the advisor by January 27, 2025. **The last date to enroll for the course on SWAYAM portal is 27 January, 2025.** For minor degree, the application of student should be sent through concerned department.

  
HOD(IT)

Copy to:

1. Principal for Information Please
2. Dean Academics for Information
3. HODs (ECE/EE/MPE/CIVIL)
4. BOS File
5. Mentors of 4<sup>th</sup>, 6<sup>th</sup>, and 8<sup>th</sup> semester to guiding students for maximum enrollment

  
Phahal  
24/1/2025

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

Performa for Degree with Honours

(MOOC's Course)

Session: Jan-June, 2025

Course : Bachelor of Technology  
Branch : \_\_\_\_\_  
Batch : \_\_\_\_\_  
University Roll No. : \_\_\_\_\_  
Name of the student : \_\_\_\_\_  
Father's Name : \_\_\_\_\_  
Semester / Year : \_\_\_\_\_  
Contact No. : \_\_\_\_\_  
Subject Title (offered by department) : \_\_\_\_\_  
Subject Code : \_\_\_\_\_

Signature of Student (with date)

Signature of HoD

Performa for Minor Engineering Degree

(Class Room Study)

Session: Jan-June, 2025

Course : Bachelor of Technology  
 Branch (Parent) : \_\_\_\_\_  
 Branch (Minor Engineering) : \_\_\_\_\_  
 Batch : \_\_\_\_\_  
 University Roll No. : \_\_\_\_\_  
 Name of the student : \_\_\_\_\_  
 Father's Name : \_\_\_\_\_  
 Semester / Year : \_\_\_\_\_  
 Contact No. : \_\_\_\_\_  
 Subject Title (offered by department) : \_\_\_\_\_  
 Subject Code : \_\_\_\_\_

Semester Grade Point Average (SGPA)						
1 Semester	2 Semester	3 Semester	4 Semester	5 Semester	6 Semester	7 Semester

Signature of Student (with date)

Ref. No. \_\_\_\_\_

Dated: \_\_\_\_\_

Forwarded to Assistant Registrar (Academics)

Verified and Signed by (Concerned faculty member)

Signature of HoD  
 (Minor Engineering Department)