

**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE**  
**NPTEL COURSES – JULY – OCTOBER 2025 – (UG)**

**COURSES TO BE CONSIDERED FOR OPEN ELECTIVES**

S.No	Subject Name	Duration	Start Date	End Date	Enrollment End Date
1	Programming in Java	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025

**COURSES TO BE CONSIDERED FOR PROFESSIONAL ELECTIVES/HONORS**

S.No	Subject Name	Duration	Start Date	End Date	Enrollment End Date
1	Advanced Distributed Systems	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
2	Advanced R Programming for Data Analytics in Business	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
3	Algorithmic Gaming Theory	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
4	Applied Accelerated Artificial Intelligence	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
5	Approximation Algorithm	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
6	C-Based VLSI Design	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
7	Computational Arithmetic-Geometry for Algebraic Curves	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
8	Computational Complexity	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
9	Cyber Security and Privacy	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
10	Data Structures and Algorithms Design	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
11	Deep Learning for Computer Vision	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
12	Design & Implementation of Human Computer Interfaces	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
13	Distributed Optimization and Machine Learning	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
14	Ethical Hacking	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
15	Foundations of Virtual Reality	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
16	Getting started with Competitive programming	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
17	Introduction to industry 4.0 and industrial Internet of things	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
18	Linear Algebra Through Geometry	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
19	Machine learning and Deep Learning Fundamentals and	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025



	Applications				
20	Multi -Core Computer Architecture	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
21	Real-Time Systems	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
22	Reinforcement Learning	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
23	Software Testing	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
24	The Joy of Computing Using Python	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025

**COURSES TO BE CONSIDERED FOR VERTICAL : DATA SCIENCE AND ANALYTICS (MINOR)**

S.No	Subject Name	Duration	Start Date	End Date	Enrollment End Date
1	Deep Learning - IIT Ropar	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025
2	Computer Vision	12 weeks	21 Jul 2025	10-Oct-25	28 Jul 2025

Note: The students who are applying for credit transfer should not have studied the same course as part of their curriculum and also it should not be offered to the students in future as part of the curricula.

  
 SWAYAM CO-ORDINATOR – CSE

  
 HOD – CSE