Proposed List of MOOCs (NPTEL July-December -2023 time line) for B.E. Degree Honors

Table 1. List of certifiable courses approved for earning the extra credits under type Disciplinary (CSE and allied branches)

Sl. No.	Course Code	Course Title	Course Area	Name of the Subject and Subject matter Expert's name	Course Duration in weeks	Credits	Course Session	Start Date	End date	Exam Date	Enrollment End Date
	noc23-cs100	Reinforcement Learning	Computer Science and Engineering	Prof. Balaraman Ravindran, IITM	12	3	July-December 2023	October 13, 2023	October 29, 2023	July 31, 2023	August 18, 2023
	noc23-cs102	Parameterized Algorithms	Computer Science and Engineering	Prof. Neeldhara Misra, IITM Prof. Saket Saurabh, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs104	Applied Accelerated Artificial Intelligence	Computer Science and Engineering	Prof. Satyajit Das , IITM Prof. Satyadhyan Chickerur, IITM Prof. Bharatkumar Sharma, IITM Prof. Adesuyi Tosin, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs106	Social Network Analysis	Computer Science and Engineering	Prof. Tanmoy Chakraborty, IITD	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs107	Social Networks	Computer Science and Engineering	Prof. Sudarshan Iyengar, IITM Prof. Yayati Gupta	12	3	July-December 2027	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs111	Computational Complexity	Computer Science and Engineering	Prof. Subrahmanyam Kalyanasundaram, IITM	12	3	July-December 2028	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
	noc23-cs112	Big Data Computing	Computer Science and Engineering	Prof. Rajiv Misra, IITK	8	2	July-December 2029	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
	noc23-cs113	Multi-Core Computer Architecture	Computer Science and Engineering	Prof. John Jose, IITG	8 + 4	3	July-December 2030	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs114	C-Based VLSI Design	Computer Science and Engineering	Prof. Chandan Karfa, IITG	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	Computer Science and Engineering	Prof. Samit Bhattacharya, IITG	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs117	Introduction To Game Theory And Mechanism Design	Computer Science and Engineering	Prof. Swaprava Nath, IITB	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs119	Secure Computation: Part II	Computer Science and Engineering	Prof Ashish Choudhary, IISc	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs68	Advanced Distributed Systems	Computer Science and Engineering	Prof. Smruti Ranjan Sarangi, IITD	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs69	Privacy And Security In Online Social Media	Computer Science and Engineering	Prof. Ponnurangam Kumaraguru, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs75	Ethical Hacking	Computer Science and Engineering	Prof. Indranil Sengupta, IITKGP	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
	noc23-cs76	Hardware Modeling Using Verilog	Computer Science and Engineering	Prof. Indranil Sengupta, IITKGP	12	3	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
	noc23-cs80	Natural Language Processing	Computer Science and Engineering	Prof. Pawan Goyal, IITKGP	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs82	Introduction To Industry 4.0 And Industrial Internet Of Things	Computer Science and Engineering	Prof. Sudip Misra, IITKGP	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs84	Statistical Learning For Reliability Analysis	Computer Science and Engineering	Prof. Monalisa Sarma, IITKGP	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs86	Machine Learning For Earth System Sciences	Computer Science and Engineering	Prof. Adway Mitra, IITKGP	8	2	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
	noc23-cs88	Introduction To Algorithms And Analysis	Computer Science and Engineering	Prof. Sourav Mukhopadhyay, IITKGP	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs90	Google Cloud Computing Foundations	Computer Science and Engineering	Prof. Soumya Kanti Ghosh, IITKGP	8	2	July-December 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
	noc23-cs91	Software Testing (IIITB)	Computer Science and Engineering	Prof. Meenakshi D'Souza, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023

	noc23-cs94	Introduction To Haskell Programming	Computer Science and Engineering	Prof. S. P Suresh, IITM	8	2	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
	noc23-cs97	Data Science For Engineers	Computer Science and Engineering	Prof. Ragunathan Rengasamy, IITM Prof. Shankar Narasimhan, IITM	8	2	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
	noc23-cs126	Deep Learning for Computer Vision	Computer Science and Engineering	Prof. Vineeth N Balasubramanian, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs127	Cyber Security and Privacy	Computer Science and Engineering	Prof. Saji K Mathew, IITM	12	3	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023