

Proposed List of ONLINE courses for 1st semesters of the PG Programs for academic year 2022-23

NPTEL/SWAYAM courses offered in Online mode for the session July-October for the PG Programs of - CSE/CCS/CAS/UCT

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
1	noc23-ce101	Geotechnical Earthquake Engineering	Civil Engineering	Civil Engineering/Prof. Kousik Deb	12 weeks	3	July - December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
2	noc23-ce102	Reliability-Based Structural Design	Civil Engineering	Civil Engineering/Prof. Arunasis Chakaraborty	12 weeks	3	July - December 2024	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
4	noc23-ce104	Earthquake Seismology	Civil engineering/Applied Geophysics	Civil engineering/Applied Geophysics/Prof. Mohit Agrawal	12 weeks	3	July - December 2026	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
5	noc23-ce105	Plate Tectonics	Civil Engineering/Earth Science	Civil Engineering/Earth Science/Prof. Pitambar Pati	12 Weeks	3	July - December 2027	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
6	noc23-ce108	Earthquake Geotechnical Engineering	Civil Engineering/Earthquake Engineering	Civil Engineering/Earthquake Engineering/Prof. B.K. Maheshwari	12 Weeks	3	July - December 2028	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
8	noc23-ce59	Project Planning & Control	Civil Engineering	Civil Engineering/Prof. Koshy Varghese	8 Weeks	2	July - December 2030	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
9	noc23-ce60	Geosynthetics And Reinforced Soil Structures	Civil Engineering	Civil Engineering/Prof. K.Rajagopal	12 Weeks	3	July - December 2031	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
10	noc23-ce61	Admixtures And Special Concretes	Civil Engineering	Civil Engineering/Prof. Manu Santhanam	12 Weeks	3	July - December 2032	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
11	noc23-ce62	Principles Of Construction Management	Civil Engineering	Civil Engineering/Prof. Sudhir Misra	8 Weeks	2	July - December 2033	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
13	noc23-ce78	Ground Improvement	Civil Engineering	Civil Engineering/Prof. Dilip Kumar Baidya	12 Weeks	3	July - December 2035	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
15	noc23-ce99	Pavement Materials (Under Pavement Engineering)	Civil Engineering	Civil Engineering/Prof. Nikhil Saboo	12 weeks	3	July - December 2037	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
17	noc23-cs98	Introduction To Machine Learning	Computer Science and Engineering	Computer Science and Engineering/Prof. Balaraman Ravindran	12 Weeks	3	July - December 2039	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
18	noc23-ge35	Numerical Methods For Engineers	Multidisciplinary	Multidisciplinary/Prof. Niket Kaisare	12 Weeks	3	July - December 2040	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
19	noc23-ge40	Fundamentals Of Artificial Intelligence	Multidisciplinary	Multidisciplinary/Prof. Shyamanta M. Hazarika	12 Weeks	3	July - December 2041	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
20	noc23-hs128	Development Research Methods	Humanities and Social Sciences	Humanities and Social Sciences/Prof. Rajshree Bedamatta	8 Weeks	2	July - December 2042	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
22	noc23-hs130	Ecology And Society	Humanities and Social Sciences	Humanities and Social Sciences/Prof. Ngamjahoo Kippen	12 Weeks	3	July - December 2044	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
23	noc23-hs131	Science, Technology And Society	Humanities and Social Sciences	Humanities and Social Sciences/Prof. Sambit Mallick	12 Weeks	3	July - December 2045	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
24	noc23-lw03	Constitution Of India And Environmental Governance: Administrative And Adjudicatory Process	Law	Law/Prof. Sairam BhatProf. M. K. Ramesh	12 Weeks	3	July - December 2046	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
25	noc23-lw05	New Labour Codes Of India	Law	Law/Prof. Raju Kd	12 Weeks	3	July - December 2047	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
26	noc23-ma75	Introduction To Probability Theory And Stochastic Processes	Mathematics	Mathematics/Prof. S Dharmaraja	12 Weeks	3	July - December 2048	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
27	noc23-ma78	Matrix Computation And Its Applications	Mathematics	Mathematics/Prof. Mani MehraProf. Vivek Kumar Aggarwal	12 Weeks	3	July - December 2049	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
28	noc23-ma83	Probability And Statistics	Mathematics	Mathematics/Prof. Suresh Kumar	12 Weeks	3	July - December 2050	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
33	noc23-me139	Mechanical Behavior Of Polymers And Composites	Mechanical Engineering, Material Science, Aerospace Engineering, Automotive Engineering, Civil Engineering	Mechanical Engineering, Material Science, Aerospace Engineering, Automotive Engineering, Civil Engineering/Prof. Naresh V Datla	12 Weeks	3	July - December 2055	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
35	noc23-mg68	Intellectual Property Rights And Competition Law	Management	Management/Prof. K. D. RajuProf. Niharika Sahoo Bhattacharya	8 Weeks	2	July - December 2057	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
36	noc23-mg73	Organizational Behaviour	Management	Management/Prof. M. P. Ganesh	12 Weeks	3	July - December 2058	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
37	noc23-mg97	Ethics In Engineering Practice	Management	Management/Prof. Susmita Mukhopadhyay	8 Weeks	2	July - December 2059	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
38	noc23-mg99	Patent Search For Engineers And Lawyers	Management	Management/Prof. M PadmavatiProf. Shreya Matilal	8 Weeks	2	July - December 2060	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
39	noc23-mm26	Techniques of Materials Characterization	Metallurgical and Materials Engineering	Metallurgical and Materials Engineering/Prof. Shibayan Roy	12 Weeks	3	July - December 2061	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023

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NPTEL/SWAYAM courses offered in Online mode for the session July-October 2023 for the PG Programs of - CGT/CHT/CIM/CTM**

Sl. No.	Course Code	Course Title	Courses Area	Subject matter Expert's name	Courses Duration	Credits	Course Session	Start date	End date	Exam date	Enrollment End date
1	noc23-ag15	Natural Resources Management	Agriculture Engineering	Prof. Sudip Mitra	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
2	noc23-ar10	Building Materials And Composites	Architecture and Planning	Prof. Sumana Gupta	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
3	noc23-ar12	Urban Landuse And Transportation Planning	Architecture and Planning	Prof. Debapratim Pandit	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
4	noc23-ar21	Principles And Applications Of Building Science	Architecture and Planning	Prof. E. Rajasekar	4 Weeks	1	July-September 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
5	noc23-ce101	Geotechnical Earthquake Engineering	Civil Engineering	Prof. Kousik Deb	12 weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
6	noc23-ce104	Earthquake Seismology	Civil engineering/ Applied Geophysics	Prof. Mohit Agrawal	12 weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
7	noc23-ce105	Plate Tectonics	Civil Engineering/Earth Science	Prof. Pitambar Pati	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
8	noc23-ce108	Earthquake Geotechnical Engineering	Civil Engg/Earthquake Engg	Prof. B.K. Maheshwari	12 Weeks	3	July- October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
9	noc23-ce59	Project Planning & Control	Civil Engineering	Prof. Koshy Varghese	8 Weeks	2	2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
10	noc23-ce60	Geosynthetics And Reinforced Soil Structures	Civil Engineering	Prof. K.Rajagopal	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
11	noc23-ce61	Admixtures And Special Concretes	Civil Engineering	Prof. Manu Santhanam	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
12	noc23-ce62	Principles Of Construction Management	Civil Engineering	Prof. Sudhir Misra	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
13	noc23-ce64	Remote Sensing And GIS	Civil Engineering	Prof. Rishikesh Bharti	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
14	noc23-ce66	Municipal Solid Waste Management	Civil Engineering	Prof. Ajay Kalamdhad	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
15	noc23-ce68	River Engineering	Civil Engineering	Prof. Subashisa Dutta	8 Weeks	2	2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
16	noc23-ce69	Subsurface Exploration :Importance And Techniques Involved	Civil Engineering	Prof. Abhishek Kumar	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
17	noc23-ce71	Environmental Geomechanics	Civil Engineering	Prof. D. N. Singh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
18	noc23-ce74	Introduction To Engineering Seismology	Civil Engineering	Prof Anbazhagan P	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
19	noc23-ce75	Introduction to Multimodal Urban Transportation Systems (MUTS)	Civil Engineering	Prof. Arkopal Kishore Goswami	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
20	noc23-ce77	Rock Mechanics And Tunneling	Civil Engineering	Prof. Debarghya Chakraborty	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
21	noc23-ce78	Ground Improvement	Civil Engineering	Prof. Dilip Kumar Baidya	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
22	noc23-ce81	Bridge Engineering	Civil Engineering	Prof. Piyali Sengupta	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023

23	noc23-ce82	Availability And Management Of Groundwater Resources	Civil Engineering	Prof. Prasoon Kumar Singh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
24	noc23-ce89	Integrated Waste Management For A Smart City	Civil Engineering	Prof. Brajesh Kumar Dubey	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
25	noc23-ce90	Sustainable Engineering Concepts And Life Cycle Analysis	Civil Engineering	Prof. Brajesh Kumar Dubey	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
26	noc23-ce91	Sustainable Transportation Systems	Civil Engineering	Prof. Bhola Ram Gurjar	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
27	noc23-ce93	Gps Surveying	Civil Engineering	Prof. Jayanta Kumar Ghosh	4 Weeks	1	July-September 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
28	noc23-ce95	Geometric Design Of Highways	Civil Engineering	Prof. Rajat Rastogi	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
29	noc23-ce99	Pavement Materials (Under Pavement Engineering)	Civil Engineering	Prof. Nikhil Saboo	12 weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
30	noc23-cs108	The Joy Of Computing Using Python	Computer Science and Engineering	Prof. Sudarshan Iyengar	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
31	noc23-cs110	Deep Learning - IIT Ropar	Computer Science and Engineering	Prof. Sudarshan Iyengar Prof. Padmavati	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
32	noc23-cs112	Big Data Computing	Computer Science and Engineering	Prof. Rajiv Misra	8 Weeks	2	July-October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
33	noc23-cs121	Problem Solving Through Programming In C	Computer Science and Engineering	Prof. Anupam Basu	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
34	noc23-cs122	Software Engineering	Computer Science and Engineering	Prof. Rajib Mall	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
35	noc23-cs78	Programming In Modern C++	Computer Science and Engineering	Prof. Partha Pratim Das	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
36	noc23-cs79	Data Base Management System	Computer Science and Engineering	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
37	noc23-cs86	Machine Learning For Earth System Sciences	Computer Science and Engineering	Prof. Adway Mitra	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
38	noc23-cs87	Introduction To Machine Learning - IITKGP	Computer Science and Engineering	Prof. Sudeshna Sarkar	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
39	noc23-cs88	Introduction To Algorithms And Analysis	Computer Science and Engineering	Prof. Sourav Mukhopadhyay	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
40	noc23-cs92	Artificial Intelligence : Search Methods For Problem Solving	Computer Science and Engineering	Prof. Deepak Khemani	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
41	noc23-cs95	Programming, Data Structures And Algorithms Using Python	Computer Science and Engineering	Prof. Madhavan Mukund	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
42	noc23-cs97	Data Science For Engineers	Computer Science and Engineering	Prof. Ragnathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
43	noc23-cs98	Introduction To Machine Learning	Computer Science and Engineering	Prof. Balaraman Ravindran	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023

44	noc23-cs99	Python For Data Science	Computer Science and Engineering	Prof. Ragnathan Rengasamy	4 Weeks	1	July-September 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
45	noc23-de11	Functional And Conceptual Design	Design Engineering	Prof. Asokan T	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
46	noc23-ec02	Economics Of Banking And Finance Markets	Economics	Prof. Sukumar Vellakkal	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
47	noc23-ec03	Economics Of Innovation	Economics	Prof. Ruchi Sharma	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
48	noc23-ec04	Environmental & Resource Economics	Economics	Prof. Sabuj Kumar Mandal	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
49	noc23-ee118	Digital Image Processing	Electrical and Electronics Engineering	Prof. Prabir Kumar Biswas	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
50	noc23-ee87	Machine Learning And Deep Learning -- Fundamentals And Applications	Electrical and Electronics Engineering	Prof. M.K. Bhuyan	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
51	noc23-ge35	Numerical Methods For Engineers	Multidisciplinary	Prof. Niket Kaisare	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
52	noc23-ge36	Introduction To Research New title: Research Methodology	Multidisciplinary	Prof. Edamana Prasad Prof. Prathap Haridoss	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
53	noc23-ge40	Fundamentals Of Artificial Intelligence	Multidisciplinary	Prof. Shyamanta M. Hazarika	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
54	noc23-hs115	Technical English For Engineers	Humanities and Social Sciences	Prof. Aysha Iqbal	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
55	noc23-hs116	Developing Soft Skills And Personality	Humanities and Social Sciences	Prof. T Ravichandran	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
56	noc23-hs128	Development Research Methods	Humanities and Social Sciences	Prof. Rajshree Bedamatta	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
57	noc23-hs130	Ecology And Society	Humanities and Social Sciences	Prof. Ngamjahao Kipgen	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
58	noc23-hs131	Science, Technology And Society	Humanities and Social Sciences	Prof. Sambit Mallick	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
59	noc23-hs133	Environment And Development	Humanities and Social Sciences	Prof. Ngamjahao Kipgen	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
60	noc23-hs141	Human Resource Development	Humanities and Social Sciences	Prof. Kbl Srivastava	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
61	noc23-hs145	Soft Skills	Humanities and Social Sciences	Prof. Binod Mishra	12 weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
62	noc23-hs151	Public Speaking	Humanities and Social Sciences	Prof. Binod Mishra	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
63	noc23-hs154	Introductory Rural Sociology: Continuity And Change	Sociology	Prof. Ashish Saxena	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
64	noc23-hs80	Soft Skill Development	Humanities and Social Sciences	Prof. Priyadarshi Patnaik Prof. V. N. Giri Prof. D. Suar	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023

65	noc23-hs97	Patent Law For Engineers And Scientists	Humanities and Social Sciences	Prof. Feroz Ali	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
66	noc23-hs158	The Science of Happiness and Wellbeing	Humanities and Social Sciences	Prof. Priyadarshi Patnaik Prof. Manas K Mandal	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
67	noc23-lw03	Constitution Of India And Environmental Governance: Administrative And Adjudicatory Process	Law	Prof. Sairam Bhat Prof. M. K. Ramesh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
68	noc23-lw05	New Labour Codes Of India	Law	Prof. Raju Kd	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
69	noc23-ma50	Regression Analysis	Mathematics	Prof. Soumen Maity	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
70	noc23-ma71	Partial Differential Equations	Mathematics	Prof. Sivaji Ganesh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
71	noc23-ma72	A Basic Course In Number Theory	Mathematics	Prof. Shripad Garge	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
72	noc23-ma73	Introduction To Fuzzy Set Theory, Arithmetic And Logic	Mathematics	Prof. Nilladri Chaterjee	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
73	noc23-ma77	Introduction To Probability Theory And Statistics	Mathematics	Prof. S Dharmaraja	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
74	noc23-ma78	Matrix Computation And Its Applications	Mathematics	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
75	noc23-ma83	Probability And Statistics	Mathematics	Prof. Somesh Kumar	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
76	noc23-ma96	Foundations Of R Software	Mathematics	Prof. Shalabh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
77	noc23-me138	Sustainable Energy Technology	Mechanical Engineering, Chemical Engineering	Prof. Sayak Banerjee	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
78	noc23-me139	Mechanical Behavior Of Polymers And Composites	Mechanical Engineering, Material Science, Aerospace Engineering, Automotive Engineering, Civil Engineering	Prof. Naresh V Datla	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
79	noc23-me140	Strength Of Materials - IITM	Mechanical, Aerospace, Civil, Naval Architecture, Engineering Design, Applied Mechanics	Prof. K. Ramesh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
80	noc23-mg124	Project Management : Planning, Execution, Evaluation And Control	Management	Prof. Sanjib Chowdhury	8 weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
81	noc23-mg125	Yoga And Positive Psychology For Managing Career And Life	Management	Prof. Ashish Pandey	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
82	noc23-mg68	Intellectual Property Rights And Competition Law	Management	Prof. K. D. Raju Prof. Niharika Sahoo Bhattacharya	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
83	noc23-mg69	Project Management	Management	Prof. Raghu Nandan Sengupta	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
84	noc23-mg73	Organizational Behaviour	Management	Prof. M. P. Ganesh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023

85	noc23-mg74	Entrepreneurship	Management	Prof. C Bhaktavatsala Rao	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
86	noc23-mg75	Strategy And Technology: A Practical Primer	Management	Prof. C Bhaktavatsala Rao	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
87	noc23-mg77	Managing Services	Management	Prof. Jayanta Chatterjee	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
88	noc23-mg87	Management Information System	Management	Prof. Kunal Kanti Ghosh Prof. Saini Das Prof. Surojit Mukherjee	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
89	noc23-mg97	Ethics In Engineering Practice	Management	Prof. Susmita Mukhopadhyay	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
90	noc23-mg99	Patent Search For Engineers And Lawyers	Management	Prof. M Padmavati Prof. Shreya Matilal	8 Weeks	2	August- October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
91	noc23-mm26	Techniques of Materials Characterization	Metallurgical and Materials Engineering	Prof. Shibayan Roy	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
92	noc23-ph27	Numerical Methods And Simulation Techniques For Scientists And Engineers	Physics	Prof. Saurabh Basu	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023

Proposed List of ONLINE courses for 1st semesters of the PG Programs for academic year 2022-23

NPTEL/SWAYAM courses offered in Online mode for the session July-October 2023 for the PG Programs of - CEE/WRM/CWH/ULM

Sl.No.	Course Code	Course Title	Course Area	Subject matter Expert's name	Course Duration in weeks	Credits	Course Session	Start date	End date	Exam date	Enrollment End date
1	noc23-ag08	Organic Farming For Sustainable Agricultural Production	Agriculture Engineering	Prof. Dilip Kumar Swain	8 Weeks	2	July-Sept 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
2	noc23-ag15	Natural Resources Management	Agriculture Engineering	Prof. Sudip Mitra	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
3	noc23-ag17	Irrigation And Drainage	Agriculture Engineering	Prof. Damodhara Rao Mailapalli	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
4	noc23-ar08	Urban Utilities Planning : Water Supply, Sanitation And Drainage	Architecture and Planning	Prof. Debapratim Pandit	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
5	noc23-ce68	River Engineering	Civil Engineering	Prof. Subashisa Dutta	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
6	noc23-ce82	Availability And Management Of Groundwater Resources	Civil Engineering	Prof. Prasoon Kumar Singh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
7	noc23-ce85	Wastewater Treatment And Recycling	Civil Engineering	Prof. Manoj Kumar Tiwari	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
8	noc23-ce89	Integrated Waste Management For A Smart City	Civil Engineering	Prof. Brajesh Kumar Dubey	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
9	noc23-ce90	Sustainable Engineering Concepts And Life Cycle Analysis	Civil Engineering	Prof. Brajesh Kumar Dubey	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
10	noc23-ce98	Environmental Modeling And Simulation	Civil Engineering	Prof. Gargi Singh	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
12	noc23-ec04	Environmental & Resource Economics	Economics	Prof. Sabuj Kumar Mandal	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
13	noc23-ge33	Ecology And Environment	Multidisciplinary	Prof. Abhijit Deshpande Prof. R. Ravi Krishna	8 Weeks	2	August-October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
14	noc23-hs130	Ecology And Society	Humanities and Social Sciences	Prof. Ngamjahao Kipgen	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
15	noc23-hs133	Environment And Development	Humanities and Social Sciences	Prof. Ngamjahao Kipgen	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
16	noc23-hs138	Stress Management	Humanities and Social Sciences	Prof. Rajlakshmi Guha	4 Weeks	1	August-October 2023	August 21, 2023	September 15, 2023	October 28, 2023	August 21, 2023
17	noc23-hs145	Soft Skills	Humanities and Social Sciences	Prof. Binod Mishra	12 weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023

18	noc23-hs80	Soft Skill Development	Humanities and Social Sciences	Prof. Priyadarshi Patnaik Prof. V. N. Giri Prof. D. Suar	8 Weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
19	noc23-hs92	Water, Society And Sustainability	Humanities and Social Sciences	Prof. Jenia Mukherjee	4 Weeks	1	August-October 2023	August 21, 2023	September 15, 2023	October 29, 2023	August 21, 2023
20	noc23-hs97	Patent Law For Engineers And Scientists	Humanities and Social Sciences	Prof. Feroz Ali	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
21	noc23-lw06	Biodiversity Protection , Farmers And Breeders Rights	Law	Prof. Padmavati & Prof. Narendran Thiruthy	8 weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
22	noc23-me138	Sustainable Energy Technology	Mechanical Engineering, Chemical Engineering	Prof. Sayak Banerjee	12 Weeks	3	July-October 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
23	noc23-mg124	Project Management : Planning, Execution, Evaluation And Control	Management	Prof. Sanjib Chowdhury	8 weeks	2	July-September 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
24	noc23-mg68	Intellectual Property Rights And Competition Law	Management	Prof. K. D. Raju Prof. Niharika Sahoo Bhattacharya	8 Weeks	2	August-October 2023	August 21, 2023	October 13, 2023	October 29, 2023	August 21, 2023
25	noc23-mg97	Ethics In Engineering Practice	Management	Prof. Susmita Mukhopadhyay	8 Weeks	2	August-October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
26	noc23-mg99	Patent Search For Engineers And Lawyers	Management	Prof. M Padmavati Prof. Shreya Matilal	8 Weeks	2	August-October 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023

Proposed List of ONLINE courses for 1st semesters of the PG Programs for academic year 2022-23

NPTEL/SWAYAM courses offered in Online mode for the session July-October 2023 for the PG Programs of - CGI

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
1	noc23-cs99	Computer Science and Engineering	Computer Science	Introduction To Machine Learning - IITKGP, Prof. Sudeshna Sarkar	8 Weeks	2	July-September 2023	July-24-2023	15-Sep-23	15-Sep-23	July-31-2023