

2018-19

List of NPTEL Courses

S. No	Course Id	Course Name	Course Content
1	noc19-cs07	Programming in Java	<a href="https://onlinecourses.nptel.ac.in/noc24_cs43/preview">https://onlinecourses.nptel.ac.in/noc24_cs43/preview</a>
2	noc19-ee15	Advance power electronics and Control	<a href="https://archive.nptel.ac.in/courses/108/107/108107128/">https://archive.nptel.ac.in/courses/108/107/108107128/</a>
3	noc19-ee27	Multirate DSP	<a href="https://archive.nptel.ac.in/courses/108/106/108106136/">https://archive.nptel.ac.in/courses/108/106/108106136/</a>
4	noc19-ge03	Introduction to Research	<a href="https://archive.nptel.ac.in/courses/121/106/121106007/">https://archive.nptel.ac.in/courses/121/106/121106007/</a>
5	noc19-ge07	Fuzzy Logic and Neural Networks	<a href="https://onlinecourses.nptel.ac.in/noc21_ge07/preview">https://onlinecourses.nptel.ac.in/noc21_ge07/preview</a>
6	noc19-ge10	Computation	<a href="https://onlinecourses.nptel.ac.in/noc21_ge10/preview">https://onlinecourses.nptel.ac.in/noc21_ge10/preview</a>
7	noc19-ma11	Advanced Engineering Mathematics	<a href="https://archive.nptel.ac.in/courses/111/105/111105035/">https://archive.nptel.ac.in/courses/111/105/111105035/</a>
8	noc19-ma12	Mathematical Methods and its Applications	<a href="https://onlinecourses.nptel.ac.in/noc20_ma14/preview">https://onlinecourses.nptel.ac.in/noc20_ma14/preview</a>
9	noc19-me16	Technology	<a href="https://onlinecourses.nptel.ac.in/noc24_me33/preview">https://onlinecourses.nptel.ac.in/noc24_me33/preview</a>
10	noc19-me18	Principles of Casting Technology	<a href="https://onlinecourses.nptel.ac.in/noc23_me48/preview">https://onlinecourses.nptel.ac.in/noc23_me48/preview</a>
11	noc19-ph07	Semiconductors Optoelectronics	<a href="https://archive.nptel.ac.in/courses/115/102/115102103/">https://archive.nptel.ac.in/courses/115/102/115102103/</a>
12	noc22-cs74	Python for Data Science	<a href="https://onlinecourses.nptel.ac.in/noc22_cs32/preview">https://onlinecourses.nptel.ac.in/noc22_cs32/preview</a>
13	noc21-ee62	Design of photovoltaic systems - online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee71/preview">https://onlinecourses.nptel.ac.in/noc22_ee71/preview</a>
14	noc22-ee50	Sensors and Actuators	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
15	noc22-me59	Industrial Automation and Control	<a href="https://onlinecourses.nptel.ac.in/noc21_me67/preview">https://onlinecourses.nptel.ac.in/noc21_me67/preview</a>

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 2/10/2024  
**Deputy Registrar**  
 Indira Gandhi Institute of Technology  
 Sarang, Dhenkamal-759146

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2	noc19-ee15	Advance power electronics and Control	<a href="https://archive.nptel.ac.in/courses/108/107/108107128/">https://archive.nptel.ac.in/courses/108/107/108107128/</a>
3	noc19-ee27	Multirate DSP	<a href="https://archive.nptel.ac.in/courses/108/106/108106136/">https://archive.nptel.ac.in/courses/108/106/108106136/</a>
4	noc19-ge03	Introduction to Research	<a href="https://archive.nptel.ac.in/courses/121/106/121106007/">https://archive.nptel.ac.in/courses/121/106/121106007/</a>
5	noc19-ge07	Fuzzy Logic and Neural Networks	<a href="https://onlinecourses.nptel.ac.in/noc21_ge07/preview">https://onlinecourses.nptel.ac.in/noc21_ge07/preview</a>
6	noc19-ge10	Matlab Programming for Numerical Computation	<a href="https://onlinecourses.nptel.ac.in/noc21_ge10/preview">https://onlinecourses.nptel.ac.in/noc21_ge10/preview</a>
7	noc19-ma11	Advanced Engineering Mathematics	<a href="https://archive.nptel.ac.in/courses/111/105/111105035/">https://archive.nptel.ac.in/courses/111/105/111105035/</a>
8	noc19-ma12	Mathematical Methods and its Applications	<a href="https://onlinecourses.nptel.ac.in/noc20_ma14/preview">https://onlinecourses.nptel.ac.in/noc20_ma14/preview</a>
9	noc19-me16	Technology	<a href="https://onlinecourses.nptel.ac.in/noc24_me33/preview">https://onlinecourses.nptel.ac.in/noc24_me33/preview</a>
10	noc19-me18	Principles of Casting Technology	<a href="https://onlinecourses.nptel.ac.in/noc23_me48/preview">https://onlinecourses.nptel.ac.in/noc23_me48/preview</a>
11	noc19-ph07	Semiconductors Optoelectronics	<a href="https://archive.nptel.ac.in/courses/115/102/115102103/">https://archive.nptel.ac.in/courses/115/102/115102103/</a>
12	noc19-cs40	Programming, Data Structures And Algorithms Using Python	<a href="https://onlinecourses.nptel.ac.in/noc22_cs26/preview">https://onlinecourses.nptel.ac.in/noc22_cs26/preview</a>
13	noc19-ee65	Fundamentals of Electric Drives	<a href="https://archive.nptel.ac.in/courses/108/104/108104140/">https://archive.nptel.ac.in/courses/108/104/108104140/</a>
14	noc19-me51	Product Design Using Value Engineering	<a href="https://archive.nptel.ac.in/courses/112/107/112107282/">https://archive.nptel.ac.in/courses/112/107/112107282/</a>
15	noc19-cs60	Data Science for Engineers	<a href="https://onlinecourses.nptel.ac.in/noc21_cs69/preview">https://onlinecourses.nptel.ac.in/noc21_cs69/preview</a>
16	noc19-mm22	Structural Analysis of Nanomaterials	<a href="https://archive.nptel.ac.in/courses/113/107/113107081/">https://archive.nptel.ac.in/courses/113/107/113107081/</a>
17	noc19-ee64	Introduction to Smart Grid	<a href="https://archive.nptel.ac.in/courses/108/107/108107113/">https://archive.nptel.ac.in/courses/108/107/108107113/</a>
18	noc19-ce30	Project Planning & Control	<a href="https://nptel.ac.in/courses/105106149">https://nptel.ac.in/courses/105106149</a>
19	noc19-mm21	Nanotechnology, Science and Applications	<a href="https://archive.nptel.ac.in/courses/113/106/113106093/">https://archive.nptel.ac.in/courses/113/106/113106093/</a>
20	noc19-ee41	Sensors and Actuators - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
21	noc19-me60	Energy Conservation and Waste Heat Recovery - Online	<a href="https://archive.nptel.ac.in/courses/112/105/112105221/">https://archive.nptel.ac.in/courses/112/105/112105221/</a>
22	noc19-ma23	Introduction to Abstract and Linear Algebra - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma23/preview">https://onlinecourses.nptel.ac.in/noc19_ma23/preview</a>
23	noc19-mm14	An Introduction to Materials Nature and Properties Part 1 Structure of Materials - Online	<a href="https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/">https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/</a>
24	noc19-cs64	Cloud Computing - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs14/preview">https://onlinecourses.nptel.ac.in/noc21_cs14/preview</a>
25	noc19-ee51	Digital Circuits - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee75/preview">https://onlinecourses.nptel.ac.in/noc21_ee75/preview</a>
26	noc19-ce28	Fluid Mechanics - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce85/preview">https://onlinecourses.nptel.ac.in/noc22_ce85/preview</a>
27	noc19-ee52	Digital Switching I - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee52/preview">https://onlinecourses.nptel.ac.in/noc19_ee52/preview</a>
28	noc19-ch23	Heat Transfer - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ch72/preview">https://onlinecourses.nptel.ac.in/noc24_ch72/preview</a>
29	noc19-ee35	Fundamentals of Electrical Engineering - Online	<a href="https://archive.nptel.ac.in/courses/108/105/108105112/">https://archive.nptel.ac.in/courses/108/105/108105112/</a>
30	noc19-hs32	Developing Soft Skills and Personality - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_hs77/preview">https://onlinecourses.nptel.ac.in/noc22_hs77/preview</a>
31	noc19-ee42	Control engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee31/preview">https://onlinecourses.nptel.ac.in/noc22_ee31/preview</a>
32	noc19-ee57	Microwave Theory and Techniques - Online	<a href="https://archive.nptel.ac.in/courses/108/101/108101112/">https://archive.nptel.ac.in/courses/108/101/108101112/</a>
33	noc19-me72	Noise Management and Control - Online	<a href="https://archive.nptel.ac.in/courses/112/104/112104227/">https://archive.nptel.ac.in/courses/112/104/112104227/</a>
34	noc19-ma30	Stochastic Processes - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma30/preview">https://onlinecourses.nptel.ac.in/noc19_ma30/preview</a>
35	noc19-mm19	Welding Metallurgy - Online	<a href="https://onlinecourses.nptel.ac.in/noc23_me49/preview">https://onlinecourses.nptel.ac.in/noc23_me49/preview</a>
36	noc19-ma22	Higher Engineering Mathematics - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma22/preview">https://onlinecourses.nptel.ac.in/noc19_ma22/preview</a>
37	noc19-ce44	Advanced Concrete Technology - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce58/preview">https://onlinecourses.nptel.ac.in/noc22_ce58/preview</a>
38	noc19-ch20	Chemical Reaction Engineering I - Online	<a href="https://archive.nptel.ac.in/courses/103/103/103103153/">https://archive.nptel.ac.in/courses/103/103/103103153/</a>
39	noc19-mm25	Transport Phenomena In Materials - Online	<a href="https://archive.nptel.ac.in/courses/112/106/112106237/">https://archive.nptel.ac.in/courses/112/106/112106237/</a>
40	noc21-me10	Optimization from fundamentals	<a href="https://archive.nptel.ac.in/courses/112/101/112101298/">https://archive.nptel.ac.in/courses/112/101/112101298/</a>
41	noc21-ch07	Heat Transfer	<a href="https://archive.nptel.ac.in/courses/103/103/103103031/">https://archive.nptel.ac.in/courses/103/103/103103031/</a>
42	noc21-ch06	Mass Transfer Operations -I	<a href="https://archive.nptel.ac.in/courses/103/105/103105052/">https://archive.nptel.ac.in/courses/103/105/103105052/</a>
43	noc21-mm06	Steel Quality: Role of Secondary Refining & Continuous Casting	<a href="https://archive.nptel.ac.in/courses/112/106/112106253/">https://archive.nptel.ac.in/courses/112/106/112106253/</a>
44	noc21-ce19	Concretes	<a href="https://archive.nptel.ac.in/courses/105/104/105104206/">https://archive.nptel.ac.in/courses/105/104/105104206/</a>
45	noc21-hs14	Patent Drafting for Beginners	<a href="https://onlinecourses.nptel.ac.in/noc22_hs04/preview">https://onlinecourses.nptel.ac.in/noc22_hs04/preview</a>
46	noc21-me44	Wheeled Mobile Robots	<a href="https://archive.nptel.ac.in/courses/112/106/112106298/">https://archive.nptel.ac.in/courses/112/106/112106298/</a>
47	noc21-mm02	Theory and Practice of Non Destructive Testing	<a href="https://archive.nptel.ac.in/courses/113/106/113106070/">https://archive.nptel.ac.in/courses/113/106/113106070/</a>
48	noc21-mm03	Devices	<a href="https://archive.nptel.ac.in/courses/113/106/113106065/">https://archive.nptel.ac.in/courses/113/106/113106065/</a>
49	noc21-mm04	Materials Science and Engineering	<a href="https://archive.nptel.ac.in/courses/113/102/113102080/">https://archive.nptel.ac.in/courses/113/102/113102080/</a>
50	noc21-me14	Failure Analysis and Prevention	<a href="https://archive.nptel.ac.in/courses/112/107/112107241/">https://archive.nptel.ac.in/courses/112/107/112107241/</a>
51	noc21-ee29	High Power Multilevel Converters - Analysis, design and operational issues	<a href="https://archive.nptel.ac.in/courses/108/102/108102157/">https://archive.nptel.ac.in/courses/108/102/108102157/</a>
52	noc21-ce02	Landscape Architecture and Site Planning - Basic Fundamentals	<a href="https://archive.nptel.ac.in/courses/124/105/124105001/">https://archive.nptel.ac.in/courses/124/105/124105001/</a>
53	noc21-me54	Fundamentals of Nuclear Power Generation	<a href="https://archive.nptel.ac.in/courses/112/103/112103243/">https://archive.nptel.ac.in/courses/112/103/112103243/</a>
54	noc21-me32	Introduction to Robotics	<a href="https://onlinecourses.nptel.ac.in/noc20_de11/preview">https://onlinecourses.nptel.ac.in/noc20_de11/preview</a>
55	noc21-me16	Inspection and Quality Control in Manufacturing	<a href="https://archive.nptel.ac.in/courses/112/107/112107259/">https://archive.nptel.ac.in/courses/112/107/112107259/</a>
56	noc21-ae05	Introduction to Experiments in Flight	<a href="https://onlinecourses.nptel.ac.in/noc21_ae05/preview">https://onlinecourses.nptel.ac.in/noc21_ae05/preview</a>
57	noc21-hs15	Patent Law for Engineers and Scientists	<a href="https://archive.nptel.ac.in/courses/110/106/110106081/">https://archive.nptel.ac.in/courses/110/106/110106081/</a>

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9	noc19-me16	Fundamentals of Welding Science and Technology	<a href="https://onlinecourses.nptel.ac.in/noc24_me33/preview">https://onlinecourses.nptel.ac.in/noc24_me33/preview</a>
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13	noc19-me51	Product Design Using Value Engineering	<a href="https://archive.nptel.ac.in/courses/112/107/112107282/">https://archive.nptel.ac.in/courses/112/107/112107282/</a>
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15	noc19-mm22	Structural Analysis of Nanomaterials	<a href="https://archive.nptel.ac.in/courses/113/107/113107081/">https://archive.nptel.ac.in/courses/113/107/113107081/</a>
16	noc19-ee64	Introduction to Smart Grid	<a href="https://archive.nptel.ac.in/courses/108/107/108107113/">https://archive.nptel.ac.in/courses/108/107/108107113/</a>
17	noc19-ce30	Project Planning & Control	<a href="https://nptel.ac.in/courses/105106149">https://nptel.ac.in/courses/105106149</a>
18	noc19-mm21	Nanotechnology, Science and Applications	<a href="https://archive.nptel.ac.in/courses/113/106/113106093/">https://archive.nptel.ac.in/courses/113/106/113106093/</a>
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20	noc19-me60	Energy Conservation and Waste Heat Recovery - Online	<a href="https://archive.nptel.ac.in/courses/112/105/112105221/">https://archive.nptel.ac.in/courses/112/105/112105221/</a>
21	noc19-ma23	Introduction to Abstract and Linear Algebra - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma23/preview">https://onlinecourses.nptel.ac.in/noc19_ma23/preview</a>
22	noc19-mm14	An Introduction to Materials Nature and Properties Part I Structure of Materials - Online	<a href="https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/">https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/</a>
23	noc19-cs64	Cloud Computing - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs14/preview">https://onlinecourses.nptel.ac.in/noc21_cs14/preview</a>
24	noc19-ee51	Digital Circuits - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee75/preview">https://onlinecourses.nptel.ac.in/noc21_ee75/preview</a>
25	noc19-ce28	Fluid Mechanics - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce85/preview">https://onlinecourses.nptel.ac.in/noc22_ce85/preview</a>
26	noc19-ee52	Digital Switching I - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee52/preview">https://onlinecourses.nptel.ac.in/noc19_ee52/preview</a>
27	noc19-ch23	Heat Transfer - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ch72/preview">https://onlinecourses.nptel.ac.in/noc24_ch72/preview</a>
28	noc19-ee35	Online	<a href="https://archive.nptel.ac.in/courses/108/105/108105112/">https://archive.nptel.ac.in/courses/108/105/108105112/</a>
29	noc19-ee68	Microwave Engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview">https://onlinecourses.nptel.ac.in/noc24_ee115/preview</a>
30	noc19-hs32	Developing Soft Skills and Personality - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_hs77/preview">https://onlinecourses.nptel.ac.in/noc22_hs77/preview</a>
31	noc19-ee42	Control engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee31/preview">https://onlinecourses.nptel.ac.in/noc22_ee31/preview</a>
32	noc19-ee57	Microwave Theory and Techniques - Online	<a href="https://archive.nptel.ac.in/courses/108/101/108101112/">https://archive.nptel.ac.in/courses/108/101/108101112/</a>
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34	noc19-ma30	Stochastic Processes - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma30/preview">https://onlinecourses.nptel.ac.in/noc19_ma30/preview</a>
35	noc19-mm19	Welding Metallurgy - Online	<a href="https://onlinecourses.nptel.ac.in/noc23_me49/preview">https://onlinecourses.nptel.ac.in/noc23_me49/preview</a>
36	noc19-ma22	Higher Engineering Mathematics - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma22/preview">https://onlinecourses.nptel.ac.in/noc19_ma22/preview</a>
37	noc19-ce44	Advanced Concrete Technology - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce58/preview">https://onlinecourses.nptel.ac.in/noc22_ce58/preview</a>
38	noc19-ch20	Chemical Reaction Engineering I - Online	<a href="https://archive.nptel.ac.in/courses/103/103/103103153/">https://archive.nptel.ac.in/courses/103/103/103103153/</a>
39	noc19-mm25	Transport Phenomena In Materials - Online	<a href="https://archive.nptel.ac.in/courses/112/106/112106237/">https://archive.nptel.ac.in/courses/112/106/112106237/</a>
40	noc21-me10	Optimization from fundamentals	<a href="https://archive.nptel.ac.in/courses/112/101/112101298/">https://archive.nptel.ac.in/courses/112/101/112101298/</a>
41	noc21-ch07	Heat Transfer	<a href="https://archive.nptel.ac.in/courses/103/103/103103031/">https://archive.nptel.ac.in/courses/103/103/103103031/</a>
42	noc21-ch06	Mass Transfer Operations -I	<a href="https://archive.nptel.ac.in/courses/103/105/103105052/">https://archive.nptel.ac.in/courses/103/105/103105052/</a>
43	noc21-mm06	Steel Quality: Role of Secondary Refining & Continuous Casting	<a href="https://archive.nptel.ac.in/courses/112/106/112106253/">https://archive.nptel.ac.in/courses/112/106/112106253/</a>
44	noc21-ce19	Development and Applications of Special Concretes	<a href="https://archive.nptel.ac.in/courses/105/104/105104206/">https://archive.nptel.ac.in/courses/105/104/105104206/</a>
45	noc21-cs21	Programming, Data Structures And Algorithms Using Python	<a href="https://onlinecourses.nptel.ac.in/noc22_cs26/preview">https://onlinecourses.nptel.ac.in/noc22_cs26/preview</a>
46	noc21-hs14	Patent Drafting for Beginners	<a href="https://onlinecourses.nptel.ac.in/noc22_hs04/preview">https://onlinecourses.nptel.ac.in/noc22_hs04/preview</a>
47	noc21-me27	Mechatronics	<a href="https://archive.nptel.ac.in/courses/112/107/112107298/">https://archive.nptel.ac.in/courses/112/107/112107298/</a>
48	noc21-me44	Wheeled Mobile Robots	<a href="https://archive.nptel.ac.in/courses/112/106/112106298/">https://archive.nptel.ac.in/courses/112/106/112106298/</a>
49	noc21-mm02	Theory and Practice of Non Destructive Testing	<a href="https://archive.nptel.ac.in/courses/113/106/113106070/">https://archive.nptel.ac.in/courses/113/106/113106070/</a>
50	noc21-mm03	Fundamentals Of Electronic Materials and Devices	<a href="https://archive.nptel.ac.in/courses/113/106/113106065/">https://archive.nptel.ac.in/courses/113/106/113106065/</a>
51	noc21-mm04	Materials Science and Engineering	<a href="https://archive.nptel.ac.in/courses/113/102/113102080/">https://archive.nptel.ac.in/courses/113/102/113102080/</a>
52	noc21-me14	Failure Analysis and Prevention	<a href="https://archive.nptel.ac.in/courses/112/107/112107241/">https://archive.nptel.ac.in/courses/112/107/112107241/</a>
53	noc21-ee29	High Power Multilevel Converters - Analysis, design and operational issues	<a href="https://archive.nptel.ac.in/courses/108/102/108102157/">https://archive.nptel.ac.in/courses/108/102/108102157/</a>

54	noc21-ce02	Landscape Architecture and Site Planning - Basic Fundamentals	<a href="https://archive.nptel.ac.in/courses/124/105/124105001/">https://archive.nptel.ac.in/courses/124/105/124105001/</a>
55	noc21-me54	Fundamentals of Nuclear Power Generation	<a href="https://archive.nptel.ac.in/courses/112/103/112103243/">https://archive.nptel.ac.in/courses/112/103/112103243/</a>
56	noc21-me32	Introduction to Robotics	<a href="https://onlinecourses.nptel.ac.in/noc20_de11/preview">https://onlinecourses.nptel.ac.in/noc20_de11/preview</a>
57	noc21-me16	Manufacturing	<a href="https://archive.nptel.ac.in/courses/112/107/112107259/">https://archive.nptel.ac.in/courses/112/107/112107259/</a>
58	noc21-ae05	Introduction to Experiments in Flight	<a href="https://onlinecourses.nptel.ac.in/noc21_ae05/preview">https://onlinecourses.nptel.ac.in/noc21_ae05/preview</a>
59	noc21-hs15	Patent Law for Engineers and Scientists	<a href="https://archive.nptel.ac.in/courses/110/106/110106081/">https://archive.nptel.ac.in/courses/110/106/110106081/</a>
60	noc20-cs17	Introduction To Soft Computing	<a href="https://onlinecourses.nptel.ac.in/noc22_cs54/preview">https://onlinecourses.nptel.ac.in/noc22_cs54/preview</a>
61	noc20-ge06	Non-Conventional Energy Resources	<a href="https://onlinecourses.nptel.ac.in/noc22_ge14/preview">https://onlinecourses.nptel.ac.in/noc22_ge14/preview</a>
62	noc20-me42	IC Engines and Gas Turbines	<a href="https://archive.nptel.ac.in/courses/112/103/112103262/">https://archive.nptel.ac.in/courses/112/103/112103262/</a>
63	noc20-me66	Introduction to Mechanical Vibration	<a href="https://archive.nptel.ac.in/courses/112/107/112107212/">https://archive.nptel.ac.in/courses/112/107/112107212/</a>
64	noc20-me83	Selection Of Nanomaterials For Energy Harvesting And Storage Application	<a href="https://archive.nptel.ac.in/courses/112/107/112107283/">https://archive.nptel.ac.in/courses/112/107/112107283/</a>
65	noc20-ma45	Operations Research	<a href="https://archive.nptel.ac.in/courses/111/107/111107128/">https://archive.nptel.ac.in/courses/111/107/111107128/</a>
66	noc20-me48	Principles of Vibration Control	<a href="https://archive.nptel.ac.in/courses/112/104/112104211/">https://archive.nptel.ac.in/courses/112/104/112104211/</a>
67	noc20-me69	Product Design and Development	<a href="https://onlinecourses.nptel.ac.in/noc21_me83/preview">https://onlinecourses.nptel.ac.in/noc21_me83/preview</a>
68	noc20-me77	Principle of Hydraulic Machines and System Design	<a href="https://archive.nptel.ac.in/courses/112/103/112103249/">https://archive.nptel.ac.in/courses/112/103/112103249/</a>
69	noc20-cy13	Chemical Applications of Symmetry and Group Theory	<a href="https://archive.nptel.ac.in/courses/104/104/104104080/">https://archive.nptel.ac.in/courses/104/104/104104080/</a>
70	noc20-ge19	Designing learner-centric e-learning in STEM disciplines	<a href="https://archive.nptel.ac.in/courses/127/101/127101013/">https://archive.nptel.ac.in/courses/127/101/127101013/</a>
71	noc20-cy05	Transition Metal Organometallics in Catalysis and Biology	<a href="https://archive.nptel.ac.in/courses/104/101/104101123/">https://archive.nptel.ac.in/courses/104/101/104101123/</a>
72	noc20-mm04	Corrosion - Part I	<a href="https://onlinecourses.nptel.ac.in/noc22_mm17/preview">https://onlinecourses.nptel.ac.in/noc22_mm17/preview</a>
73	noc20-mg43	Industrial Safety Engineering	<a href="https://archive.nptel.ac.in/courses/110/105/110105094/">https://archive.nptel.ac.in/courses/110/105/110105094/</a>
74	noc20-ch34	Chemical Engineering Thermodynamics	<a href="https://archive.nptel.ac.in/courses/103/103/103103144/">https://archive.nptel.ac.in/courses/103/103/103103144/</a>
75	noc20-me47	Engineering Fracture Mechanics	<a href="https://archive.nptel.ac.in/courses/112/106/112106065/">https://archive.nptel.ac.in/courses/112/106/112106065/</a>
76	noc20-me88	Fundamentals Of Artificial Intelligence	<a href="https://onlinecourses.nptel.ac.in/noc21_ge20/preview">https://onlinecourses.nptel.ac.in/noc21_ge20/preview</a>
77	noc20-ph14	Solar Energy Engineering and Technology	<a href="https://archive.nptel.ac.in/courses/112/105/112105051/">https://archive.nptel.ac.in/courses/112/105/112105051/</a>
78	noc20-ma40	Scientific Computing using Matlab	<a href="https://onlinecourses.nptel.ac.in/noc20_ma40/preview">https://onlinecourses.nptel.ac.in/noc20_ma40/preview</a>
79	noc20-ae14	Introduction to Aircraft Design	<a href="https://archive.nptel.ac.in/courses/101/104/101104069/">https://archive.nptel.ac.in/courses/101/104/101104069/</a>
80	noc20-me68	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
81	noc20-mm23	Ironmaking and Steelmaking	<a href="https://archive.nptel.ac.in/courses/113/105/113105098/">https://archive.nptel.ac.in/courses/113/105/113105098/</a>
82	noc20-ae12	Introduction to Aerospace Engineering	<a href="https://archive.nptel.ac.in/courses/101/101/101101079/">https://archive.nptel.ac.in/courses/101/101/101101079/</a>
83	noc20-ce35	Structural analysis-I	<a href="https://archive.nptel.ac.in/courses/105/101/105101085/">https://archive.nptel.ac.in/courses/105/101/105101085/</a>
84	noc20-cs73	Introduction to Machine Learning	<a href="https://archive.nptel.ac.in/courses/106/106/106106139/">https://archive.nptel.ac.in/courses/106/106/106106139/</a>
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86	noc20-bt33	Tissue engineering	<a href="https://archive.nptel.ac.in/courses/102/106/102106081/">https://archive.nptel.ac.in/courses/102/106/102106081/</a>
87	noc20-ch27	Mechanical Unit Operations	<a href="https://archive.nptel.ac.in/courses/103/107/103107123/">https://archive.nptel.ac.in/courses/103/107/103107123/</a>
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90	noc20-me67	Fundamentals of manufacturing processes	<a href="https://archive.nptel.ac.in/courses/112/107/112107219/">https://archive.nptel.ac.in/courses/112/107/112107219/</a>
91	noc20-ce56	Municipal Solid Waste Management	<a href="https://onlinecourses.nptel.ac.in/noc23_ce66/preview">https://onlinecourses.nptel.ac.in/noc23_ce66/preview</a>
92	noc20-bt37	Fundamentals of micro and nanofabrication	<a href="https://archive.nptel.ac.in/courses/117/108/102108078/">https://archive.nptel.ac.in/courses/117/108/102108078/</a>
93	noc20-ee99	Fundamentals of Electric vehicles: Technology & Economics	<a href="https://onlinecourses.nptel.ac.in/noc20_ee99/preview">https://onlinecourses.nptel.ac.in/noc20_ee99/preview</a>
94	noc22-de02	Fundamentals of Automotive Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_de02/preview">https://onlinecourses.nptel.ac.in/noc21_de02/preview</a>
95	noc22-me10	Computer Integrated Manufacturing	<a href="https://onlinecourses.nptel.ac.in/noc22_me10/preview">https://onlinecourses.nptel.ac.in/noc22_me10/preview</a>
96	noc22-ch28	Biomass Conversion and Biorefinery	<a href="https://archive.nptel.ac.in/courses/103/103/103103207/">https://archive.nptel.ac.in/courses/103/103/103103207/</a>
97	noc22-me62	Gear And Gear Unit Design: Theory and Practice	<a href="https://archive.nptel.ac.in/courses/112/105/112105234/">https://archive.nptel.ac.in/courses/112/105/112105234/</a>
98	noc22-me59	Industrial Automation and Control	<a href="https://onlinecourses.nptel.ac.in/noc21_me67/preview">https://onlinecourses.nptel.ac.in/noc21_me67/preview</a>
99	noc22-ee06	Electrical Machines - II	<a href="https://archive.nptel.ac.in/courses/108/105/108105131/">https://archive.nptel.ac.in/courses/108/105/108105131/</a>
100	noc22-ch14	Membrane Technology	<a href="https://archive.nptel.ac.in/courses/103/103/103103163/">https://archive.nptel.ac.in/courses/103/103/103103163/</a>
101	noc22-ch37	Aspen Plus® simulation software - a basic course for beginners	<a href="https://archive.nptel.ac.in/courses/103/103/103103209/">https://archive.nptel.ac.in/courses/103/103/103103209/</a>
102	noc22-me03	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
103	noc22-ce20	Retrofitting and Rehabilitation of Civil Infrastructure	<a href="https://archive.nptel.ac.in/courses/105/105/105105213/">https://archive.nptel.ac.in/courses/105/105/105105213/</a>
104	noc22-ee50	Sensors and Actuators	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
105	noc22-hs30	German - I	<a href="https://onlinecourses.nptel.ac.in/noc21_hs30/preview">https://onlinecourses.nptel.ac.in/noc21_hs30/preview</a>
106	noc22-ch20	Computational Fluid Dynamics	<a href="https://archive.nptel.ac.in/courses/112/105/112105254/">https://archive.nptel.ac.in/courses/112/105/112105254/</a>
107	noc22-me07	Steam and Gas Power Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_me21/preview">https://onlinecourses.nptel.ac.in/noc21_me21/preview</a>

108	noc22-ec07	Network Analysis	<a href="https://archive.nptel.ac.in/courses/108/105/108105159/">https://archive.nptel.ac.in/courses/108/105/108105159/</a>
109	noc22-cs42	An Introduction to Programming Through C++	<a href="https://onlinecourses.nptel.ac.in/noc21_cs38/preview">https://onlinecourses.nptel.ac.in/noc21_cs38/preview</a>
110	noc22-ch21	Process Control - Design, Analysis and Assessment	<a href="https://archive.nptel.ac.in/courses/103/106/103106148/">https://archive.nptel.ac.in/courses/103/106/103106148/</a>
111	TAW10	ABAP Workbench Fundamentals	<a href="https://www.netcomlearning.com/e4c328b3-b46d-48b8-b882-f37ac4fa4f59">https://www.netcomlearning.com/e4c328b3-b46d-48b8-b882-f37ac4fa4f59</a>
112	TAW12	ABAP Workbench Concepts	<a href="https://www.netcomlearning.com/358cb826-fdca-4a3b-9d2a-ac050406b93a">https://www.netcomlearning.com/358cb826-fdca-4a3b-9d2a-ac050406b93a</a>
113	TSCM50	ERP Procurement Academy I	<a href="https://training.sap.com/course/tscm50-sap-erp-procurement-academy-part-i-classroom-015-g-en/">https://training.sap.com/course/tscm50-sap-erp-procurement-academy-part-i-classroom-015-g-en/</a>
114	TSCM52	ERP Procurement Academy II	<a href="https://training.sap.com/course/tscm52-sap-erp-procurement-academy-part-ii-classroom-015-g-en/">https://training.sap.com/course/tscm52-sap-erp-procurement-academy-part-ii-classroom-015-g-en/</a>

*S. P. Das*  
*9/1/09/2014*  
**Deputy Registrar**  
 Indira Gandhi Institute of Technology  
 Sarang, Dhenkanal-759146

S. No	Course Id	Course Name	Course Content
1	noc19-cs07	Programming in Java	<a href="https://onlinecourses.nptel.ac.in/noc24_cs43/preview">https://onlinecourses.nptel.ac.in/noc24_cs43/preview</a>
2	noc19-ee15	Advance power electronics and Control	<a href="https://archive.nptel.ac.in/courses/108/107/108107128/">https://archive.nptel.ac.in/courses/108/107/108107128/</a>
3	noc19-ee27	Multirate DSP	<a href="https://archive.nptel.ac.in/courses/108/106/108106136/">https://archive.nptel.ac.in/courses/108/106/108106136/</a>
4	noc19-ge03	Introduction to Research	<a href="https://archive.nptel.ac.in/courses/121/106/121106007/">https://archive.nptel.ac.in/courses/121/106/121106007/</a>
5	noc19-ge07	Fuzzy Logic and Neural Networks	<a href="https://onlinecourses.nptel.ac.in/noc21_ge07/preview">https://onlinecourses.nptel.ac.in/noc21_ge07/preview</a>
6	noc19-ge10	Computation	<a href="https://onlinecourses.nptel.ac.in/noc21_ge10/preview">https://onlinecourses.nptel.ac.in/noc21_ge10/preview</a>
7	noc19-ma11	Advanced Engineering Mathematics	<a href="https://archive.nptel.ac.in/courses/111/105/111105035/">https://archive.nptel.ac.in/courses/111/105/111105035/</a>
8	noc19-ma12	Mathematical Methods and its Applications	<a href="https://onlinecourses.nptel.ac.in/noc20_ma14/preview">https://onlinecourses.nptel.ac.in/noc20_ma14/preview</a>
9	noc19-me16	Technology	<a href="https://onlinecourses.nptel.ac.in/noc24_me33/preview">https://onlinecourses.nptel.ac.in/noc24_me33/preview</a>
10	noc19-me18	Principles of Casting Technology	<a href="https://onlinecourses.nptel.ac.in/noc23_me48/preview">https://onlinecourses.nptel.ac.in/noc23_me48/preview</a>
11	noc19-ph07	Semiconductors Optoelectronics	<a href="https://archive.nptel.ac.in/courses/115/102/115102103/">https://archive.nptel.ac.in/courses/115/102/115102103/</a>
12	noc19-ee65	Fundamentals of Electric Drives	<a href="https://archive.nptel.ac.in/courses/108/104/108104140/">https://archive.nptel.ac.in/courses/108/104/108104140/</a>
13	noc19-me51	Product Design Using Value Engineering	<a href="https://archive.nptel.ac.in/courses/112/107/112107282/">https://archive.nptel.ac.in/courses/112/107/112107282/</a>
14	noc19-cs60	Data Science for Engineers	<a href="https://onlinecourses.nptel.ac.in/noc21_cs69/preview">https://onlinecourses.nptel.ac.in/noc21_cs69/preview</a>
15	noc19-mm22	Structural Analysis of Nanomaterials	<a href="https://archive.nptel.ac.in/courses/113/107/113107081/">https://archive.nptel.ac.in/courses/113/107/113107081/</a>
16	noc19-ee64	Introduction to Smart Grid	<a href="https://archive.nptel.ac.in/courses/108/107/108107113/">https://archive.nptel.ac.in/courses/108/107/108107113/</a>
17	noc19-ce30	Project Planning & Control	<a href="https://nptel.ac.in/courses/105106149">https://nptel.ac.in/courses/105106149</a>
18	noc19-mm21	Nanotechnology, Science and Applications	<a href="https://archive.nptel.ac.in/courses/113/106/113106093/">https://archive.nptel.ac.in/courses/113/106/113106093/</a>
19	noc19-ee41	Sensors and Actuators - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
20	noc19-me60	Energy Conservation and Waste Heat Recovery - Online	<a href="https://archive.nptel.ac.in/courses/112/105/112105221/">https://archive.nptel.ac.in/courses/112/105/112105221/</a>
21	noc19-ma23	Introduction to Abstract and Linear Algebra - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma23/preview">https://onlinecourses.nptel.ac.in/noc19_ma23/preview</a>
22	noc19-mm14	Properties Part I Structure of Materials - Online	<a href="https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/">https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/</a>
23	noc19-cs64	Cloud Computing - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs14/preview">https://onlinecourses.nptel.ac.in/noc21_cs14/preview</a>
24	noc19-ee51	Digital Circuits - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee75/preview">https://onlinecourses.nptel.ac.in/noc21_ee75/preview</a>
25	noc19-ee28	Fluid Mechanics - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce85/preview">https://onlinecourses.nptel.ac.in/noc22_ce85/preview</a>
26	noc19-ee52	Digital Switching I - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee52/preview">https://onlinecourses.nptel.ac.in/noc19_ee52/preview</a>
27	noc19-ch23	Heat Transfer - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ch72/preview">https://onlinecourses.nptel.ac.in/noc24_ch72/preview</a>
28	noc19-ee35	Online	<a href="https://archive.nptel.ac.in/courses/108/105/108105112/">https://archive.nptel.ac.in/courses/108/105/108105112/</a>
29	noc19-ee68	Microwave Engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview">https://onlinecourses.nptel.ac.in/noc24_ee115/preview</a>
30	noc19-hs32	Online	<a href="https://onlinecourses.nptel.ac.in/noc22_hs77/preview">https://onlinecourses.nptel.ac.in/noc22_hs77/preview</a>
31	noc19-ee42	Control engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee31/preview">https://onlinecourses.nptel.ac.in/noc22_ee31/preview</a>
32	noc19-ee57	Microwave Theory and Techniques - Online	<a href="https://archive.nptel.ac.in/courses/108/101/108101112/">https://archive.nptel.ac.in/courses/108/101/108101112/</a>
33	noc19-me72	Noise Management and Control - Online	<a href="https://archive.nptel.ac.in/courses/112/104/112104227/">https://archive.nptel.ac.in/courses/112/104/112104227/</a>
34	noc19-ma30	Stochastic Processes - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma30/preview">https://onlinecourses.nptel.ac.in/noc19_ma30/preview</a>
35	noc19-mm19	Welding Metallurgy - Online	<a href="https://onlinecourses.nptel.ac.in/noc23_me49/preview">https://onlinecourses.nptel.ac.in/noc23_me49/preview</a>
36	noc19-ma22	Higher Engineering Mathematics - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma22/preview">https://onlinecourses.nptel.ac.in/noc19_ma22/preview</a>
37	noc19-ce44	Advanced Concrete Technology - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce58/preview">https://onlinecourses.nptel.ac.in/noc22_ce58/preview</a>
38	noc19-ch20	Chemical Reaction Engineering I - Online	<a href="https://archive.nptel.ac.in/courses/103/103/103103153/">https://archive.nptel.ac.in/courses/103/103/103103153/</a>
39	noc19-mm25	Transport Phenomena In Materials - Online	<a href="https://archive.nptel.ac.in/courses/112/106/112106237/">https://archive.nptel.ac.in/courses/112/106/112106237/</a>
40	noc21-me10	Optimization from fundamentals	<a href="https://archive.nptel.ac.in/courses/112/101/112101298/">https://archive.nptel.ac.in/courses/112/101/112101298/</a>
41	noc21-ch07	Heat Transfer	<a href="https://archive.nptel.ac.in/courses/103/103/103103031/">https://archive.nptel.ac.in/courses/103/103/103103031/</a>
42	noc21-ch06	Mass Transfer Operations -I	<a href="https://archive.nptel.ac.in/courses/103/105/103105052/">https://archive.nptel.ac.in/courses/103/105/103105052/</a>
43	noc21-mm06	Steel Quality: Role of Secondary Refining & Continuous Casting	<a href="https://archive.nptel.ac.in/courses/112/106/112106253/">https://archive.nptel.ac.in/courses/112/106/112106253/</a>
44	noc21-ce19	Concretes	<a href="https://archive.nptel.ac.in/courses/105/104/105104206/">https://archive.nptel.ac.in/courses/105/104/105104206/</a>
45	noc21-cs21	Programming, Data Structures And Algorithms Using Python	<a href="https://onlinecourses.nptel.ac.in/noc22_cs26/preview">https://onlinecourses.nptel.ac.in/noc22_cs26/preview</a>
46	noc21-hs14	Patent Drafting for Beginners	<a href="https://onlinecourses.nptel.ac.in/noc22_hs04/preview">https://onlinecourses.nptel.ac.in/noc22_hs04/preview</a>
47	noc21-me44	Wheeled Mobile Robots	<a href="https://archive.nptel.ac.in/courses/112/106/112106298/">https://archive.nptel.ac.in/courses/112/106/112106298/</a>
48	noc21-mm02	Testing	<a href="https://archive.nptel.ac.in/courses/113/106/113106070/">https://archive.nptel.ac.in/courses/113/106/113106070/</a>
49	noc21-mm03	Devices	<a href="https://archive.nptel.ac.in/courses/113/106/113106065/">https://archive.nptel.ac.in/courses/113/106/113106065/</a>
50	noc21-mm04	Materials Science and Engineering	<a href="https://archive.nptel.ac.in/courses/113/102/113102080/">https://archive.nptel.ac.in/courses/113/102/113102080/</a>
51	noc21-me14	Failure Analysis and Prevention	<a href="https://archive.nptel.ac.in/courses/112/107/112107241/">https://archive.nptel.ac.in/courses/112/107/112107241/</a>
52	noc21-ee29	High Power Multilevel Converters - Analysis, design and operational issues	<a href="https://archive.nptel.ac.in/courses/108/102/108102157/">https://archive.nptel.ac.in/courses/108/102/108102157/</a>
53	noc21-ce02	Landscape Architecture and Site Planning - Basic Fundamentals	<a href="https://archive.nptel.ac.in/courses/124/105/124105001/">https://archive.nptel.ac.in/courses/124/105/124105001/</a>
54	noc21-me54	Fundamentals of Nuclear Power Generation	<a href="https://archive.nptel.ac.in/courses/112/103/112103243/">https://archive.nptel.ac.in/courses/112/103/112103243/</a>
55	noc21-me32	Introduction to Robotics	<a href="https://onlinecourses.nptel.ac.in/noc20_de11/preview">https://onlinecourses.nptel.ac.in/noc20_de11/preview</a>
56	noc21-me16	Manufacturing	<a href="https://archive.nptel.ac.in/courses/112/107/112107259/">https://archive.nptel.ac.in/courses/112/107/112107259/</a>
57	noc21-ae05	Introduction to Experiments in Flight	<a href="https://onlinecourses.nptel.ac.in/noc21_ao05/preview">https://onlinecourses.nptel.ac.in/noc21_ao05/preview</a>
58	noc21-hs15	Patent Law for Engineers and Scientists	<a href="https://archive.nptel.ac.in/courses/110/106/110106081/">https://archive.nptel.ac.in/courses/110/106/110106081/</a>
59	noc20-cs17	Introduction To Soft Computing	<a href="https://onlinecourses.nptel.ac.in/noc22_cs54/preview">https://onlinecourses.nptel.ac.in/noc22_cs54/preview</a>
60	noc20-ge06	Non-Conventional Energy Resources	<a href="https://onlinecourses.nptel.ac.in/noc22_ge14/preview">https://onlinecourses.nptel.ac.in/noc22_ge14/preview</a>
61	noc20-me42	IC Engines and Gas Turbines	<a href="https://archive.nptel.ac.in/courses/112/103/112103262/">https://archive.nptel.ac.in/courses/112/103/112103262/</a>

63	noc20-me83	Selection Of Nanomaterials For Energy Harvesting And Storage Application	<a href="https://archive.nptel.ac.in/courses/112/107/112107283/">https://archive.nptel.ac.in/courses/112/107/112107283/</a>
64	noc20-ma45	Operations Research	<a href="https://archive.nptel.ac.in/courses/111/107/111107128/">https://archive.nptel.ac.in/courses/111/107/111107128/</a>
65	noc20-me48	Principles of Vibration Control	<a href="https://archive.nptel.ac.in/courses/112/104/112104211/">https://archive.nptel.ac.in/courses/112/104/112104211/</a>
66	noc20-me69	Product Design and Development	<a href="https://onlinecourses.nptel.ac.in/noc21_me83/preview">https://onlinecourses.nptel.ac.in/noc21_me83/preview</a>
67	noc20-me77	Principle of Hydraulic Machines and System Design	<a href="https://archive.nptel.ac.in/courses/112/103/112103249/">https://archive.nptel.ac.in/courses/112/103/112103249/</a>
68	noc20-cy13	Chemical Applications of Symmetry and Group Theory	<a href="https://archive.nptel.ac.in/courses/104/104/104104080/">https://archive.nptel.ac.in/courses/104/104/104104080/</a>
69	noc20-ge19	Designing learner-centric e-learning in STEM disciplines	<a href="https://archive.nptel.ac.in/courses/127/101/127101013/">https://archive.nptel.ac.in/courses/127/101/127101013/</a>
70	noc20-cy05	Transition Metal Organometallics in Catalysis and Biology	<a href="https://archive.nptel.ac.in/courses/104/101/104101123/">https://archive.nptel.ac.in/courses/104/101/104101123/</a>
71	noc20-mm04	Corrosion - Part I	<a href="https://onlinecourses.nptel.ac.in/noc22_mm17/preview">https://onlinecourses.nptel.ac.in/noc22_mm17/preview</a>
72	noc20-mg43	Industrial Safety Engineering	<a href="https://archive.nptel.ac.in/courses/110/105/110105094/">https://archive.nptel.ac.in/courses/110/105/110105094/</a>
73	noc20-ch34	Chemical Engineering Thermodynamics	<a href="https://archive.nptel.ac.in/courses/103/103/103103144/">https://archive.nptel.ac.in/courses/103/103/103103144/</a>
74	noc20-me47	Engineering Fracture Mechanics	<a href="https://archive.nptel.ac.in/courses/112/106/112106065/">https://archive.nptel.ac.in/courses/112/106/112106065/</a>
75	noc20-me88	Fundamentals Of Artificial Intelligence	<a href="https://onlinecourses.nptel.ac.in/noc21_ge20/preview">https://onlinecourses.nptel.ac.in/noc21_ge20/preview</a>
76	noc20-ph14	Solar Energy Engineering and Technology	<a href="https://archive.nptel.ac.in/courses/112/105/112105051/">https://archive.nptel.ac.in/courses/112/105/112105051/</a>
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78	noc20-ae14	Introduction to Aircraft Design	<a href="https://archive.nptel.ac.in/courses/101/104/101104069/">https://archive.nptel.ac.in/courses/101/104/101104069/</a>
79	noc20-me68	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
80	noc20-mm23	Ironmaking and Steelmaking	<a href="https://archive.nptel.ac.in/courses/113/105/113105098/">https://archive.nptel.ac.in/courses/113/105/113105098/</a>
81	noc20-ae12	Introduction to Aerospace Engineering	<a href="https://archive.nptel.ac.in/courses/101/101/101101079/">https://archive.nptel.ac.in/courses/101/101/101101079/</a>
82	noc20-ce35	Structural analysis-I	<a href="https://archive.nptel.ac.in/courses/105/101/105101085/">https://archive.nptel.ac.in/courses/105/101/105101085/</a>
83	noc20-cs73	Introduction to Machine Learning	<a href="https://archive.nptel.ac.in/courses/106/106/106106139/">https://archive.nptel.ac.in/courses/106/106/106106139/</a>
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85	noc20-bt33	Tissue engineering	<a href="https://archive.nptel.ac.in/courses/102/106/102106081/">https://archive.nptel.ac.in/courses/102/106/102106081/</a>
86	noc20-ch27	Mechanical Unit Operations	<a href="https://archive.nptel.ac.in/courses/103/107/103107123/">https://archive.nptel.ac.in/courses/103/107/103107123/</a>
87	noc20-cs85	Data Structure and algorithms using Java	<a href="https://onlinecourses.nptel.ac.in/noc22_cs92/preview">https://onlinecourses.nptel.ac.in/noc22_cs92/preview</a>
88	noc20-me95	Introduction to Composites	<a href="https://archive.nptel.ac.in/courses/112/104/112104168/">https://archive.nptel.ac.in/courses/112/104/112104168/</a>
89	noc20-me67	Fundamentals of manufacturing processes	<a href="https://archive.nptel.ac.in/courses/112/107/112107219/">https://archive.nptel.ac.in/courses/112/107/112107219/</a>
90	noc20-ce56	Municipal Solid Waste Management	<a href="https://onlinecourses.nptel.ac.in/noc23_ce66/preview">https://onlinecourses.nptel.ac.in/noc23_ce66/preview</a>
91	noc20-bt37	Fundamentals of micro and nanofabrication	<a href="https://archive.nptel.ac.in/courses/117/108/102108078/">https://archive.nptel.ac.in/courses/117/108/102108078/</a>
92	noc20-ee99	Fundamentals of Electric vehicles: Technology & Economics	<a href="https://onlinecourses.nptel.ac.in/noc20_ee99/preview">https://onlinecourses.nptel.ac.in/noc20_ee99/preview</a>
93	noc22-de02	Fundamentals of Automotive Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_de02/preview">https://onlinecourses.nptel.ac.in/noc21_de02/preview</a>
94	noc22-me10	Computer Integrated Manufacturing	<a href="https://onlinecourses.nptel.ac.in/noc22_me10/preview">https://onlinecourses.nptel.ac.in/noc22_me10/preview</a>
95	noc22-ch28	Biomass Conversion and Biorefinery	<a href="https://archive.nptel.ac.in/courses/103/103/103103207/">https://archive.nptel.ac.in/courses/103/103/103103207/</a>
96	noc22-me62	Practice	<a href="https://archive.nptel.ac.in/courses/112/105/112105234/">https://archive.nptel.ac.in/courses/112/105/112105234/</a>
97	noc22-me59	Industrial Automation and Control	<a href="https://onlinecourses.nptel.ac.in/noc21_me67/preview">https://onlinecourses.nptel.ac.in/noc21_me67/preview</a>
98	noc22-ch14	Membrane Technology	<a href="https://archive.nptel.ac.in/courses/103/103/103103163/">https://archive.nptel.ac.in/courses/103/103/103103163/</a>
99	noc22-ee06	Electrical Machines - II	<a href="https://archive.nptel.ac.in/courses/108/105/108105131/">https://archive.nptel.ac.in/courses/108/105/108105131/</a>
100	noc22-ch37	Aspen Plus® simulation software - a basic course for beginners	<a href="https://archive.nptel.ac.in/courses/103/103/103103209/">https://archive.nptel.ac.in/courses/103/103/103103209/</a>
101	noc22-me03	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
102	noc22-ce20	Infrastructure	<a href="https://archive.nptel.ac.in/courses/105/105/105105213/">https://archive.nptel.ac.in/courses/105/105/105105213/</a>
103	noc22-ee50	Sensors and Actuators	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
104	noc22-hs30	German - I	<a href="https://onlinecourses.nptel.ac.in/noc21_hs30/preview">https://onlinecourses.nptel.ac.in/noc21_hs30/preview</a>
105	noc22-ch20	Computational Fluid Dynamics	<a href="https://archive.nptel.ac.in/courses/112/105/112105254/">https://archive.nptel.ac.in/courses/112/105/112105254/</a>
106	noc22-me07	Steam and Gas Power Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_me21/preview">https://onlinecourses.nptel.ac.in/noc21_me21/preview</a>
107	noc22-ee07	Network Analysis	<a href="https://archive.nptel.ac.in/courses/108/105/108105159/">https://archive.nptel.ac.in/courses/108/105/108105159/</a>
108	noc22-cs42	C++	<a href="https://onlinecourses.nptel.ac.in/noc21_cs38/preview">https://onlinecourses.nptel.ac.in/noc21_cs38/preview</a>
109	noc22-ch21	Assessment	<a href="https://archive.nptel.ac.in/courses/103/106/103106148/">https://archive.nptel.ac.in/courses/103/106/103106148/</a>
110	noc21-me76	Robotics-Online	<a href="https://onlinecourses.nptel.ac.in/noc21_me76/preview">https://onlinecourses.nptel.ac.in/noc21_me76/preview</a>
111	noc21-cs75	The Joy of Computing using Python - online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs32/preview">https://onlinecourses.nptel.ac.in/noc21_cs32/preview</a>
112	noc21-me74	Heat Exchangers Fundamentals and Design Analysis - online	<a href="https://onlinecourses.nptel.ac.in/noc19_me62/preview">https://onlinecourses.nptel.ac.in/noc19_me62/preview</a>
113	noc21-me116	online	<a href="https://archive.nptel.ac.in/courses/112/103/112103297/">https://archive.nptel.ac.in/courses/112/103/112103297/</a>
114	noc21-me71	Engineering Fracture Mechanics - online	<a href="https://archive.nptel.ac.in/courses/112/106/112106065/">https://archive.nptel.ac.in/courses/112/106/112106065/</a>
115	noc21-mg85	Sustainability through Green Manufacturing Systems An Applied Approach - online	<a href="https://onlinecourses.nptel.ac.in/noc21_mg85/preview">https://onlinecourses.nptel.ac.in/noc21_mg85/preview</a>
116	noc21-mm30	Thermo Mechanical And Thermo Chemical Processes - online	<a href="https://archive.nptel.ac.in/courses/113/107/113107091/">https://archive.nptel.ac.in/courses/113/107/113107091/</a>
117	noc21-ee62	Design of photovoltaic systems - online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee71/preview">https://onlinecourses.nptel.ac.in/noc22_ee71/preview</a>
118	noc21-ee64	Principles of Modern CDMA MIMO OFDM Wireless Communications - online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee49/preview">https://onlinecourses.nptel.ac.in/noc19_ee49/preview</a>
119	noc21-me89	Advanced Machining Processes - online	<a href="https://onlinecourses.nptel.ac.in/noc22_me119/preview">https://onlinecourses.nptel.ac.in/noc22_me119/preview</a>
120	noc21-ee103	Power Quality - online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee103/preview">https://onlinecourses.nptel.ac.in/noc21_ee103/preview</a>
121	noc21-mm33	Powder Metallurgy - online	<a href="https://onlinecourses.nptel.ac.in/noc22_mm31/preview">https://onlinecourses.nptel.ac.in/noc22_mm31/preview</a>

123	noc21-me82	Joining Technologies for metals - online	<a href="https://onlinecourses.nptel.ac.in/noc21_me82/preview">https://onlinecourses.nptel.ac.in/noc21_me82/preview</a>
124	noc22-me86	Basics Of Finite Element Analysis - I	<a href="https://archive.nptel.ac.in/courses/112/104/112104193/">https://archive.nptel.ac.in/courses/112/104/112104193/</a>
125	noc22-ch38	Technologies For Clean And Renewable Energy Production	<a href="https://onlinecourses.nptel.ac.in/noc19_ch26/preview">https://onlinecourses.nptel.ac.in/noc19_ch26/preview</a>
126	noc22-cs74	Python for Data Science	<a href="https://onlinecourses.nptel.ac.in/noc22_cs32/preview">https://onlinecourses.nptel.ac.in/noc22_cs32/preview</a>
127	noc22-ce60	Geotechnical Engineering Laboratory	<a href="https://nptel.ac.in/courses/105101160">https://nptel.ac.in/courses/105101160</a>
128	noc22-cs68	C Programming and Assembly Language	<a href="https://onlinecourses.nptel.ac.in/noc23_cs93/preview">https://onlinecourses.nptel.ac.in/noc23_cs93/preview</a>


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S. No	Course Id	Course Name	Course Content
1	noc19-cs07	Programming in Java	<a href="https://onlinecourses.nptel.ac.in/noc24_cs43/preview">https://onlinecourses.nptel.ac.in/noc24_cs43/preview</a>
2	noc19-ee15	Advance power electronics and Control	<a href="https://archive.nptel.ac.in/courses/108/107/108107128/">https://archive.nptel.ac.in/courses/108/107/108107128/</a>
3	noc19-ee27	Multirate DSP	<a href="https://archive.nptel.ac.in/courses/108/106/108106136/">https://archive.nptel.ac.in/courses/108/106/108106136/</a>
4	noc19-ge03	Introduction to Research	<a href="https://archive.nptel.ac.in/courses/121/106/121106007/">https://archive.nptel.ac.in/courses/121/106/121106007/</a>
5	noc19-ge07	Fuzzy Logic and Neural Networks	<a href="https://onlinecourses.nptel.ac.in/noc21_ge07/preview">https://onlinecourses.nptel.ac.in/noc21_ge07/preview</a>
6	noc19-ge10	Matlab Programming for Numerical Computation	<a href="https://onlinecourses.nptel.ac.in/noc21_ge10/preview">https://onlinecourses.nptel.ac.in/noc21_ge10/preview</a>
7	noc19-ma11	Advanced Engineering Mathematics	<a href="https://archive.nptel.ac.in/courses/111/105/111105035/">https://archive.nptel.ac.in/courses/111/105/111105035/</a>
8	noc19-ma12	Mathematical Methods and its Applications	<a href="https://onlinecourses.nptel.ac.in/noc20_ma14/preview">https://onlinecourses.nptel.ac.in/noc20_ma14/preview</a>
9	noc19-me16	Fundamentals of Welding Science and Technology	<a href="https://onlinecourses.nptel.ac.in/noc24_me33/preview">https://onlinecourses.nptel.ac.in/noc24_me33/preview</a>
10	noc19-me18	Principles of Casting Technology	<a href="https://onlinecourses.nptel.ac.in/noc23_me48/preview">https://onlinecourses.nptel.ac.in/noc23_me48/preview</a>
11	noc19-ph07	Semiconductors Optoelectronics	<a href="https://archive.nptel.ac.in/courses/115/102/115102103/">https://archive.nptel.ac.in/courses/115/102/115102103/</a>
12	noc19-ee65	Fundamentals of Electric Drives	<a href="https://archive.nptel.ac.in/courses/108/104/108104140/">https://archive.nptel.ac.in/courses/108/104/108104140/</a>
13	noc19-me51	Product Design Using Value Engineering	<a href="https://archive.nptel.ac.in/courses/112/107/112107282/">https://archive.nptel.ac.in/courses/112/107/112107282/</a>
14	noc19-cs60	Data Science for Engineers	<a href="https://onlinecourses.nptel.ac.in/noc21_cs69/preview">https://onlinecourses.nptel.ac.in/noc21_cs69/preview</a>
15	noc19-mm22	Structural Analysis of Nanomaterials	<a href="https://archive.nptel.ac.in/courses/113/107/113107081/">https://archive.nptel.ac.in/courses/113/107/113107081/</a>
16	noc19-ee64	Introduction to Smart Grid	<a href="https://archive.nptel.ac.in/courses/108/107/108107113/">https://archive.nptel.ac.in/courses/108/107/108107113/</a>
17	noc19-ce30	Project Planning & Control	<a href="https://nptel.ac.in/courses/105106149">https://nptel.ac.in/courses/105106149</a>
18	noc19-mm21	Nanotechnology, Science and Applications	<a href="https://archive.nptel.ac.in/courses/113/106/113106093/">https://archive.nptel.ac.in/courses/113/106/113106093/</a>
19	noc19-ee41	Sensors and Actuators - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
20	noc19-me60	Energy Conservation and Waste Heat Recovery - Online	<a href="https://archive.nptel.ac.in/courses/112/105/112105221/">https://archive.nptel.ac.in/courses/112/105/112105221/</a>
21	noc19-ma23	Introduction to Abstract and Linear Algebra - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma23/preview">https://onlinecourses.nptel.ac.in/noc19_ma23/preview</a>
22	noc19-mm14	An Introduction to Materials Nature and Properties Part 1 Structure of Materials - Online	<a href="https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/">https://archive.nptel.ac.in/noc/courses/noc18/SEM1/noc18-mm06/</a>
23	noc19-cs64	Cloud Computing - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs14/preview">https://onlinecourses.nptel.ac.in/noc21_cs14/preview</a>
24	noc19-ee51	Digital Circuits - Online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee75/preview">https://onlinecourses.nptel.ac.in/noc21_ee75/preview</a>
25	noc19-ce28	Fluid Mechanics - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce85/preview">https://onlinecourses.nptel.ac.in/noc22_ce85/preview</a>
26	noc19-ee52	Digital Switching I - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee52/preview">https://onlinecourses.nptel.ac.in/noc19_ee52/preview</a>
27	noc19-ch23	Heat Transfer - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ch72/preview">https://onlinecourses.nptel.ac.in/noc24_ch72/preview</a>
28	noc19-ee35	Fundamentals of Electrical Engineering - Online	<a href="https://archive.nptel.ac.in/courses/108/105/108105112/">https://archive.nptel.ac.in/courses/108/105/108105112/</a>
29	noc19-ee68	Microwave Engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview">https://onlinecourses.nptel.ac.in/noc24_ee115/preview</a>
30	noc19-hs32	Developing Soft Skills and Personality - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_hs77/preview">https://onlinecourses.nptel.ac.in/noc22_hs77/preview</a>
31	noc19-ee42	Control engineering - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee31/preview">https://onlinecourses.nptel.ac.in/noc22_ee31/preview</a>
32	noc19-ee57	Microwave Theory and Techniques - Online	<a href="https://archive.nptel.ac.in/courses/108/101/108101112/">https://archive.nptel.ac.in/courses/108/101/108101112/</a>
33	noc19-me72	Noise Management and Control - Online	<a href="https://archive.nptel.ac.in/courses/112/104/112104227/">https://archive.nptel.ac.in/courses/112/104/112104227/</a>
34	noc19-ma30	Stochastic Processes - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma30/preview">https://onlinecourses.nptel.ac.in/noc19_ma30/preview</a>
35	noc19-mm19	Welding Metallurgy - Online	<a href="https://onlinecourses.nptel.ac.in/noc23_me49/preview">https://onlinecourses.nptel.ac.in/noc23_me49/preview</a>
36	noc19-ma22	Higher Engineering Mathematics - Online	<a href="https://onlinecourses.nptel.ac.in/noc19_ma22/preview">https://onlinecourses.nptel.ac.in/noc19_ma22/preview</a>
37	noc19-ce44	Advanced Concrete Technology - Online	<a href="https://onlinecourses.nptel.ac.in/noc22_ce58/preview">https://onlinecourses.nptel.ac.in/noc22_ce58/preview</a>
38	noc19-ch20	Chemical Reaction Engineering I - Online	<a href="https://archive.nptel.ac.in/courses/103/103/103103153/">https://archive.nptel.ac.in/courses/103/103/103103153/</a>
39	noc19-mm25	Transport Phenomena In Materials - Online	<a href="https://archive.nptel.ac.in/courses/112/106/112106237/">https://archive.nptel.ac.in/courses/112/106/112106237/</a>
40	noc21-me10	Optimization from fundamentals	<a href="https://archive.nptel.ac.in/courses/112/101/112101298/">https://archive.nptel.ac.in/courses/112/101/112101298/</a>
41	noc21-ch07	Heat Transfer	<a href="https://archive.nptel.ac.in/courses/103/103/103103031/">https://archive.nptel.ac.in/courses/103/103/103103031/</a>
42	noc21-ch06	Mass Transfer Operations -I	<a href="https://archive.nptel.ac.in/courses/103/105/103105052/">https://archive.nptel.ac.in/courses/103/105/103105052/</a>
43	noc21-mm06	Steel Quality: Role of Secondary Refining & Continuous Casting	<a href="https://archive.nptel.ac.in/courses/112/106/112106253/">https://archive.nptel.ac.in/courses/112/106/112106253/</a>
44	noc21-ce19	Development and Applications of Special Concretes	<a href="https://archive.nptel.ac.in/courses/105/104/105104206/">https://archive.nptel.ac.in/courses/105/104/105104206/</a>
45	noc21-cs21	Programming, Data Structures And Algorithms Using Python	<a href="https://onlinecourses.nptel.ac.in/noc22_cs26/preview">https://onlinecourses.nptel.ac.in/noc22_cs26/preview</a>
46	noc21-hs14	Patent Drafting for Beginners	<a href="https://onlinecourses.nptel.ac.in/noc22_hs04/preview">https://onlinecourses.nptel.ac.in/noc22_hs04/preview</a>
47	noc21-me44	Wheeled Mobile Robots	<a href="https://archive.nptel.ac.in/courses/112/106/112106298/">https://archive.nptel.ac.in/courses/112/106/112106298/</a>
48	noc21-mm02	Theory and Practice of Non Destructive Testing	<a href="https://archive.nptel.ac.in/courses/113/106/113106070/">https://archive.nptel.ac.in/courses/113/106/113106070/</a>
49	noc21-mm03	Fundamentals Of Electronic Materials and Devices	<a href="https://archive.nptel.ac.in/courses/113/106/113106065/">https://archive.nptel.ac.in/courses/113/106/113106065/</a>
50	noc21-mm04	Materials Science and Engineering	<a href="https://archive.nptel.ac.in/courses/113/102/113102080/">https://archive.nptel.ac.in/courses/113/102/113102080/</a>
51	noc21-me14	Failure Analysis and Prevention	<a href="https://archive.nptel.ac.in/courses/112/107/112107241/">https://archive.nptel.ac.in/courses/112/107/112107241/</a>
52	noc21-ee29	High Power Multilevel Converters - Analysis, design and operational issues	<a href="https://archive.nptel.ac.in/courses/108/102/108102157/">https://archive.nptel.ac.in/courses/108/102/108102157/</a>
53	noc21-ce02	Landscape Architecture and Site Planning - Basic Fundamentals	<a href="https://archive.nptel.ac.in/courses/124/105/124105001/">https://archive.nptel.ac.in/courses/124/105/124105001/</a>
54	noc21-me54	Fundamentals of Nuclear Power Generation	<a href="https://archive.nptel.ac.in/courses/112/103/112103243/">https://archive.nptel.ac.in/courses/112/103/112103243/</a>
55	noc21-me32	Introduction to Robotics	<a href="https://onlinecourses.nptel.ac.in/noc20_de11/preview">https://onlinecourses.nptel.ac.in/noc20_de11/preview</a>
56	noc21-me16	Inspection and Quality Control in Manufacturing	<a href="https://archive.nptel.ac.in/courses/112/107/112107259/">https://archive.nptel.ac.in/courses/112/107/112107259/</a>
57	noc21-ae05	Introduction to Experiments in Flight	<a href="https://onlinecourses.nptel.ac.in/noc21_ae05/preview">https://onlinecourses.nptel.ac.in/noc21_ae05/preview</a>
58	noc21-hs15	Patent Law for Engineers and Scientists	<a href="https://archive.nptel.ac.in/courses/110/106/110106081/">https://archive.nptel.ac.in/courses/110/106/110106081/</a>
59	noc20-cs17	Introduction To Soft Computing	<a href="https://onlinecourses.nptel.ac.in/noc22_cs54/preview">https://onlinecourses.nptel.ac.in/noc22_cs54/preview</a>
60	noc20-ge06	Non-Conventional Energy Resources	<a href="https://onlinecourses.nptel.ac.in/noc22_ge14/preview">https://onlinecourses.nptel.ac.in/noc22_ge14/preview</a>

62	noc20-me66	Introduction to Mechanical Vibration	<a href="https://archive.nptel.ac.in/courses/112/107/112107212/">https://archive.nptel.ac.in/courses/112/107/112107212/</a>
63	noc20-me83	Selection Of Nanomaterials For Energy Harvesting And Storage Application	<a href="https://archive.nptel.ac.in/courses/112/107/112107283/">https://archive.nptel.ac.in/courses/112/107/112107283/</a>
64	noc20-ma45	Operations Research	<a href="https://archive.nptel.ac.in/courses/111/107/111107128/">https://archive.nptel.ac.in/courses/111/107/111107128/</a>
65	noc20-me48	Principles of Vibration Control	<a href="https://archive.nptel.ac.in/courses/112/104/112104211/">https://archive.nptel.ac.in/courses/112/104/112104211/</a>
66	noc20-me69	Product Design and Development	<a href="https://onlinecourses.nptel.ac.in/noc21_me83/preview">https://onlinecourses.nptel.ac.in/noc21_me83/preview</a>
67	noc20-me77	Principle of Hydraulic Machines and System Design	<a href="https://archive.nptel.ac.in/courses/112/103/112103249/">https://archive.nptel.ac.in/courses/112/103/112103249/</a>
68	noc20-cy13	Chemical Applications of Symmetry and Group Theory	<a href="https://archive.nptel.ac.in/courses/104/104/104104080/">https://archive.nptel.ac.in/courses/104/104/104104080/</a>
69	noc20-ge19	Designing learner-centric e-learning in STEM disciplines	<a href="https://archive.nptel.ac.in/courses/127/101/127101013/">https://archive.nptel.ac.in/courses/127/101/127101013/</a>
70	noc20-cy05	Transition Metal Organometallics in Catalysis and Biology	<a href="https://archive.nptel.ac.in/courses/104/101/104101123/">https://archive.nptel.ac.in/courses/104/101/104101123/</a>
71	noc20-mm04	Corrosion - Part I	<a href="https://onlinecourses.nptel.ac.in/noc22_mm17/preview">https://onlinecourses.nptel.ac.in/noc22_mm17/preview</a>
72	noc20-mg43	Industrial Safety Engineering	<a href="https://archive.nptel.ac.in/courses/110/105/110105094/">https://archive.nptel.ac.in/courses/110/105/110105094/</a>
73	noc20-ch34	Chemical Engineering Thermodynamics	<a href="https://archive.nptel.ac.in/courses/103/103/103103144/">https://archive.nptel.ac.in/courses/103/103/103103144/</a>
74	noc20-me47	Engineering Fracture Mechanics	<a href="https://archive.nptel.ac.in/courses/112/106/112106065/">https://archive.nptel.ac.in/courses/112/106/112106065/</a>
75	noc20-me88	Fundamentals Of Artificial Intelligence	<a href="https://onlinecourses.nptel.ac.in/noc21_ge20/preview">https://onlinecourses.nptel.ac.in/noc21_ge20/preview</a>
76	noc20-ph14	Solar Energy Engineering and Technology	<a href="https://archive.nptel.ac.in/courses/112/105/112105051/">https://archive.nptel.ac.in/courses/112/105/112105051/</a>
77	noc20-ma40	Scientific Computing using Matlab	<a href="https://onlinecourses.nptel.ac.in/noc20_ma40/preview">https://onlinecourses.nptel.ac.in/noc20_ma40/preview</a>
78	noc20-ae14	Introduction to Aircraft Design	<a href="https://archive.nptel.ac.in/courses/101/104/101104069/">https://archive.nptel.ac.in/courses/101/104/101104069/</a>
79	noc20-me68	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
80	noc20-mm23	Ironmaking and Steelmaking	<a href="https://archive.nptel.ac.in/courses/113/105/113105098/">https://archive.nptel.ac.in/courses/113/105/113105098/</a>
81	noc20-ae12	Introduction to Aerospace Engineering	<a href="https://archive.nptel.ac.in/courses/101/101/101101079/">https://archive.nptel.ac.in/courses/101/101/101101079/</a>
82	noc20-ce35	Structural analysis-I	<a href="https://archive.nptel.ac.in/courses/105/101/105101085/">https://archive.nptel.ac.in/courses/105/101/105101085/</a>
83	noc20-es73	Introduction to Machine Learning	<a href="https://archive.nptel.ac.in/courses/106/106/106106139/">https://archive.nptel.ac.in/courses/106/106/106106139/</a>
84	noc20-ce43	Integrated Waste Management for a Smart City	<a href="https://onlinecourses.nptel.ac.in/noc19_ce31/preview">https://onlinecourses.nptel.ac.in/noc19_ce31/preview</a>
85	noc20-bt33	Tissue engineering	<a href="https://archive.nptel.ac.in/courses/102/106/102106081/">https://archive.nptel.ac.in/courses/102/106/102106081/</a>
86	noc20-ch27	Mechanical Unit Operations	<a href="https://archive.nptel.ac.in/courses/103/107/103107123/">https://archive.nptel.ac.in/courses/103/107/103107123/</a>
87	noc20-cs85	Data Structure and algorithms using Java	<a href="https://onlinecourses.nptel.ac.in/noc22_cs92/preview">https://onlinecourses.nptel.ac.in/noc22_cs92/preview</a>
88	noc20-me95	Introduction to Composites	<a href="https://archive.nptel.ac.in/courses/112/104/112104168/">https://archive.nptel.ac.in/courses/112/104/112104168/</a>
89	noc20-me67	Fundamentals of manufacturing processes	<a href="https://archive.nptel.ac.in/courses/112/107/112107219/">https://archive.nptel.ac.in/courses/112/107/112107219/</a>
90	noc20-ce56	Municipal Solid Waste Management	<a href="https://onlinecourses.nptel.ac.in/noc23_ce66/preview">https://onlinecourses.nptel.ac.in/noc23_ce66/preview</a>
91	noc20-bt37	Fundamentals of micro and nanofabrication	<a href="https://archive.nptel.ac.in/courses/117/108/102108078/">https://archive.nptel.ac.in/courses/117/108/102108078/</a>
92	noc20-ee99	Fundamentals of Electric vehicles: Technology & Economics	<a href="https://onlinecourses.nptel.ac.in/noc20_ee99/preview">https://onlinecourses.nptel.ac.in/noc20_ee99/preview</a>
93	noc22-de02	Fundamentals of Automotive Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_de02/preview">https://onlinecourses.nptel.ac.in/noc21_de02/preview</a>
94	noc22-me10	Computer Integrated Manufacturing	<a href="https://onlinecourses.nptel.ac.in/noc22_me10/preview">https://onlinecourses.nptel.ac.in/noc22_me10/preview</a>
95	noc22-ch28	Biomass Conversion and Biorefinery	<a href="https://archive.nptel.ac.in/courses/103/103/103103207/">https://archive.nptel.ac.in/courses/103/103/103103207/</a>
96	noc22-me62	Gear And Gear Unit Design: Theory and Practice	<a href="https://archive.nptel.ac.in/courses/112/105/112105234/">https://archive.nptel.ac.in/courses/112/105/112105234/</a>
97	noc22-me59	Industrial Automation and Control	<a href="https://onlinecourses.nptel.ac.in/noc21_me67/preview">https://onlinecourses.nptel.ac.in/noc21_me67/preview</a>
98	noc22-ch14	Membrane Technology	<a href="https://archive.nptel.ac.in/courses/103/103/103103163/">https://archive.nptel.ac.in/courses/103/103/103103163/</a>
99	noc22-ee06	Electrical Machines - II	<a href="https://archive.nptel.ac.in/courses/108/105/108105131/">https://archive.nptel.ac.in/courses/108/105/108105131/</a>
100	noc22-ch37	Aspen Plus® simulation software - a basic course for beginners	<a href="https://archive.nptel.ac.in/courses/103/103/103103209/">https://archive.nptel.ac.in/courses/103/103/103103209/</a>
101	noc22-me03	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	<a href="https://archive.nptel.ac.in/courses/112/107/112107248/">https://archive.nptel.ac.in/courses/112/107/112107248/</a>
102	noc22-ce20	Retrofitting and Rehabilitation of Civil Infrastructure	<a href="https://archive.nptel.ac.in/courses/105/105/105105213/">https://archive.nptel.ac.in/courses/105/105/105105213/</a>
103	noc22-ee50	Sensors and Actuators	<a href="https://onlinecourses.nptel.ac.in/noc21_ee32/preview">https://onlinecourses.nptel.ac.in/noc21_ee32/preview</a>
104	noc22-hs30	German - I	<a href="https://onlinecourses.nptel.ac.in/noc21_hs30/preview">https://onlinecourses.nptel.ac.in/noc21_hs30/preview</a>
105	noc22-ch20	Computational Fluid Dynamics	<a href="https://archive.nptel.ac.in/courses/112/105/112105254/">https://archive.nptel.ac.in/courses/112/105/112105254/</a>
106	noc22-me07	Steam and Gas Power Systems	<a href="https://onlinecourses.nptel.ac.in/noc21_me21/preview">https://onlinecourses.nptel.ac.in/noc21_me21/preview</a>
107	noc22-ee07	Network Analysis	<a href="https://archive.nptel.ac.in/courses/108/105/108105159/">https://archive.nptel.ac.in/courses/108/105/108105159/</a>
108	noc22-cs42	An Introduction to Programming Through C++	<a href="https://onlinecourses.nptel.ac.in/noc21_cs38/preview">https://onlinecourses.nptel.ac.in/noc21_cs38/preview</a>
109	noc22-ch21	Process Control - Design, Analysis and Assessment	<a href="https://archive.nptel.ac.in/courses/103/106/103106148/">https://archive.nptel.ac.in/courses/103/106/103106148/</a>
110	noc21-me76	Robotics-Online	<a href="https://onlinecourses.nptel.ac.in/noc21_me76/preview">https://onlinecourses.nptel.ac.in/noc21_me76/preview</a>
111	noc21-cs75	The Joy of Computing using Python - online	<a href="https://onlinecourses.nptel.ac.in/noc21_cs32/preview">https://onlinecourses.nptel.ac.in/noc21_cs32/preview</a>
112	noc21-me74	Heat Exchangers Fundamentals and Design Analysis - online	<a href="https://onlinecourses.nptel.ac.in/noc19_me62/preview">https://onlinecourses.nptel.ac.in/noc19_me62/preview</a>
113	noc21-me116	Fundamentals of Convective Heat Transfer - online	<a href="https://archive.nptel.ac.in/courses/112/103/112103297/">https://archive.nptel.ac.in/courses/112/103/112103297/</a>
114	noc21-me71	Engineering Fracture Mechanics - online	<a href="https://archive.nptel.ac.in/courses/112/106/112106065/">https://archive.nptel.ac.in/courses/112/106/112106065/</a>
115	noc21-mg85	Sustainability through Green Manufacturing Systems An Applied Approach - online	<a href="https://onlinecourses.nptel.ac.in/noc21_mg85/preview">https://onlinecourses.nptel.ac.in/noc21_mg85/preview</a>
116	noc21-mm30	Thermo Mechanical And Thermo Chemical Processes - online	<a href="https://archive.nptel.ac.in/courses/113/107/113107091/">https://archive.nptel.ac.in/courses/113/107/113107091/</a>
117	noc21-ee62	Design of photovoltaic systems - online	<a href="https://onlinecourses.nptel.ac.in/noc22_ee71/preview">https://onlinecourses.nptel.ac.in/noc22_ee71/preview</a>
118	noc21-ee64	Principles of Modern CDMA MIMO OFDM Wireless Communications - online	<a href="https://onlinecourses.nptel.ac.in/noc19_ee49/preview">https://onlinecourses.nptel.ac.in/noc19_ee49/preview</a>

120	noc21-ee103	Power Quality - online	<a href="https://onlinecourses.nptel.ac.in/noc21_ee103/preview">https://onlinecourses.nptel.ac.in/noc21_ee103/preview</a>
121	noc21-mm33	Powder Metallurgy - online	<a href="https://onlinecourses.nptel.ac.in/noc22_mm31/preview">https://onlinecourses.nptel.ac.in/noc22_mm31/preview</a>
122	noc21-me95	Aircraft Propulsion - online	<a href="https://onlinecourses.nptel.ac.in/noc22_me125/preview">https://onlinecourses.nptel.ac.in/noc22_me125/preview</a>
123	noc21-me82	Joining Technologies for metals - online	<a href="https://onlinecourses.nptel.ac.in/noc21_me82/preview">https://onlinecourses.nptel.ac.in/noc21_me82/preview</a>
124	noc22-me86	Basics Of Finite Element Analysis - I	<a href="https://archive.nptel.ac.in/courses/112/104/112104193/">https://archive.nptel.ac.in/courses/112/104/112104193/</a>
125	noc22-ch38	Technologies For Clean And Renewable Energy Production	<a href="https://onlinecourses.nptel.ac.in/noc19_ch26/preview">https://onlinecourses.nptel.ac.in/noc19_ch26/preview</a>
126	noc22-cs74	Python for Data Science	<a href="https://onlinecourses.nptel.ac.in/noc22_cs32/preview">https://onlinecourses.nptel.ac.in/noc22_cs32/preview</a>
127	noc22-ce60	Geotechnical Engineering Laboratory	<a href="https://nptel.ac.in/courses/105101160">https://nptel.ac.in/courses/105101160</a>
128	noc22-cs68	C Programming and Assembly Language	<a href="https://onlinecourses.nptel.ac.in/noc23_cs93/preview">https://onlinecourses.nptel.ac.in/noc23_cs93/preview</a>
129	noc22-ce93	Pavement Materials (Under Pavement Engineering)	<a href="https://onlinecourses.nptel.ac.in/noc22_ce93/preview">https://onlinecourses.nptel.ac.in/noc22_ce93/preview</a>
130	noc22-me119	Advanced Machining Processes	<a href="https://onlinecourses.nptel.ac.in/noc22_me119/preview">https://onlinecourses.nptel.ac.in/noc22_me119/preview</a>
131	noc22-ee97	Semiconductor Devices and Circuits	<a href="https://archive.nptel.ac.in/courses/108/108/108108112/">https://archive.nptel.ac.in/courses/108/108/108108112/</a>
132	noc22-ce72	Plastic Waste Management	<a href="https://archive.nptel.ac.in/courses/105/105/105105184/">https://archive.nptel.ac.in/courses/105/105/105105184/</a>
133	noc22-mg111	Stress Management	<a href="https://onlinecourses.nptel.ac.in/noc20_ge18/preview">https://onlinecourses.nptel.ac.in/noc20_ge18/preview</a>
134	noc22-me106	Heat Exchangers: Fundamentals And Design Analysis	<a href="https://onlinecourses.nptel.ac.in/noc19_me62/preview">https://onlinecourses.nptel.ac.in/noc19_me62/preview</a>
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144	noc22-ch44	Chemical Process Safety	<a href="https://archive.nptel.ac.in/courses/103/107/103107156/">https://archive.nptel.ac.in/courses/103/107/103107156/</a>

  
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