



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(University of Technology of Madhya Pradesh)

Airport Bypass Road, Gandhi Nagar,

Bhopal- 462033

(As per Ordinance No 4C Bachelor of Technology 4 year Degree course Para 3.4 and 3.5)

List of permitted MOOC'S COURSES along with their credits for B.Tech. students of RGPV.

For the session January – April 2021

FOR THE STUDENT OF B.TECH. CIVIL ENGG, FIRE TECHNOLOGY & SAFTEY

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc21-ce02	Civil Engineering	Landscape Architecture and Site Planning - Basic Fundamentals	8 Weeks	2	Prof. Uttam Kumar Banerjee	IIT KGP	February 15, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ce02/preview
02	noc21-ce11	Civil Engineering	Remote Sensing: Principles and Applications	12 Weeks	3	Prof. Eswar Rajasekaran	IITB	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce11/preview
03	noc21-ce13	Civil Engineering	Maintenance and Repair of Concrete Structures	12 Weeks	3	Prof. Radhakrishna G. Pillai	IITM	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ce13/preview
04	noc21-ce16	Civil Engineering	Safety in Construction	8 weeks	2	Prof. J. Uma Maheswari	IITD	February 15, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ce16/preview
05	noc21-ce22	Civil	Scheduling	4 Weeks	1	Prof. J. Uma	IITD	January	February	Marc	https://onlinecourses.nptel.ac.in/noc21_ce22/preview



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		Engineering	Techniques in Projects			Maheswari		18, 2021	12, 2021	21, 2021	el.ac.in/noc21_ce22/previous
06	noc21-ce24	Civil Engineering	Introduction to Accounting and Finance for Civil Engineers	8 Weeks	2	Prof. K. N. Jha Prof. Sudhir Misra	IITK	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_ce24/previous
07	noc21-ce26	Civil Engineering	Soil Structure Interaction	12 Weeks	3	Prof. Kousik Deb	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce26/previous
08	noc21-ce32	Civil Engineering	Structural Dynamics	12 Weeks	3	Prof. Ramancharala Pradeep Kumar	IIT Hyderabad	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce32/previous
09	noc21-ce33	Civil Engineering	Advanced Foundation Engineering	12 Weeks	3	Prof. Kousik Deb	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce33/previous
10	noc21-ce34	Civil Engineering	Rock Engineering	12 Weeks	3	Prof. Priti Maheshwari	IITR	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce34/previous
11	noc21-ce36	Civil Engineering	Environmental	12 Weeks	3	Prof. Bhanu Prakash Vellanki	IITR	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ce36/previous



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			Remediation of Contaminated Sites							2021	ew



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FOR THE STUDENT OF B.TECH. COMPUTER SCIENCE & ENGINEERING, INFORMATION TECHNOLOGY, COMPUTER SCIENCE & ENGINEERING-CYBER SECURITY, COMPUTER SCIENCE & ENGINEERING-DATA SCIENCE, COMPUTER SCIENCE & ENGINEERING-INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCK CHAIN TECHNOLOGY, COMPUTER SCIENCE & ENGINEERING-IOT, CYBER SECURITY, DATA SCIENCE, 3D ANIMATION & GRAPHICS, ARTIFICIAL INTELLIGENCE, ARTIFICIAL INTELLIGENCE AND DATA SCIENCE, ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, COMPUTER SCIENCE & BUSINESS SYSTEM, COMPUTER SCIENCE & ENGINEERING -ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, INTERNET OF THINGS (IOT)

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc21-cs03	Computer Science and Engineering	Programming in Java	12 Weeks	3	Prof. Debasis Samanta	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs03/previous
02	noc21-cs05	Computer Science and Engineering	Deep Learning - IITKGP	12 Weeks	3	Prof. Prabir Kumar Biswas	IIT KGP	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs05/previous
03	noc21-cs09	Computer Science and Engineering	Embedded System Design with ARM	8 Weeks	2	Prof. Indranil Sengupta Prof. Kamalika Datta	IIT KGP	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs09/previous
04	noc21-cs12	Computer Science and Engineering	VLSI Physical Design	12 Weeks	3	Prof. Indranil Sengupta	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs12/previous



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05	noc21-cs13	Computer Science and Engineering	Software Testing	4 Weeks	1	Prof. Rajib Mall	IIT KGP	January 18, 2021	February 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs13/preview
06	noc21-cs15	Computer Science and Engineering	Cloud Computing and Distributed Systems	8 Weeks	2	Prof. Rajiv Misra	IITP	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs15/preview
07	noc21-cs16	Computer Science and Engineering	Cryptography and Network Security	12 Weeks	3	Prof. Sourav Mukhopadhyay	IIT KGP	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs16/preview
08	noc21-cs21	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	8 Weeks	2	Prof. Madhavan Mukund	CMI	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs21/preview
09	noc21-cs23	Computer Science and Engineering	Data Science for Engineers	8 Weeks	2	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	IITM	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs23/preview



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10	noc21-cs25	Computer Science and Engineering	Reinforcement Learning	12 Weeks	3	Prof. Balaraman Ravindran	IITM	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs25/preview
11	noc21-cs26	Computer Science and Engineering	Artificial Intelligence : Knowledge Representation and Reasoning	12 Weeks	3	Prof. Deepak Khemani	IITM	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs26/preview
12	noc21-cs28	Computer Science and Engineering	Privacy and Security in Online Social Media	8 Weeks (in 12 weeks Duration)	2	Prof. Ponnurangam Kumaraguru	IIT Delhi	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs28/preview
13	noc21-cs30	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineering	8 Weeks	2	Prof. Chester Rebeiro	IITM	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs30/preview
14	noc21-cs31	Computer Science and Engineering	Social Networks	12 Weeks	3	Prof. Sudarshan Iyengar	IIT Ropar	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs31/preview



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15	noc21-cs32	Computer Science and Engineering	The Joy of Computing using Python	12 Weeks	3	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs32/preview
16	noc21-cs33	Computer Science and Engineering	Python for Data Science	4 Weeks	1	Prof. Ragunathan Rengasamy	IITM	January 18, 2021	February 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs33/preview
17	noc21-cs35	Computer Science and Engineering	Deep Learning - IIT Ropar	12 Weeks	3	Prof. Sudarshan Iyengar	IIT Ropar	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs35/preview
18	noc21-cs39	Computer Science and Engineering	Introduction to Parallel Programming in OpenMP	4 Weeks	1	Prof. Yogish Sabharwal	IITD	January 18, 2021	February 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs39/preview
19	noc21-cs45	Computer Science and Engineering	Data Analytics with Python	12 Weeks	3	Prof. A. Ramesh	IITR	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs45/preview
20	noc21-cs46	Computer Science and Engineering	GPU Architectures and	12 Weeks	3	Prof. Soumyajit Dey	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs46/preview



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			Programming								
21	noc21-cs48	Computer Science and Engineering	Advanced Graph Theory	8 Weeks	2	Prof. Rajiv Misra	IITP	February 15, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_cs48/preview
22	noc21-cs49	Computer Science and Engineering	Computational Complexity Theory	12 Weeks	3	Prof. Raghunath Tewari	IITK	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_cs49/preview
23	noc21-cs50	Computer Science and Engineering	User-centric Computing for Human-Computer Interaction	8 Weeks	2	Prof. Samit Bhattacharya	IITG	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_cs50/preview



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S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exa m date	Click here to Join the Course
01	noc21-ee12	Electrical and Electronics Engineering	Evolution of Air Interface towards 5G	8 Weeks	2	Prof. Suvra Sekhar Das	IIT KGP	February 15, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ee12/preview
02	noc21-ee16	Electrical and Electronics Engineering	Power System Dynamics, Control and Monitoring	12 Weeks	3	Prof. Debapriya Das	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee16/preview
03	noc21-ee23	Electrical and Electronics Engineering	Computer Vision and Image Processing - Fundamentals and	12 Weeks	3	Prof. M. K. Bhuyan	IITG	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ee23/preview



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			Applications								
04	noc21-ee25	Electrical and Electronics Engineering	Power Management Integrated Circuits	12 Weeks	3	Prof. Qadeer Ahmad Khan	IITM	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee25/preview
06	noc21-ee29	Electrical and Electronics Engineering	High Power Multilevel Converters - Analysis, design and operational issues	12 Weeks	3	Prof. Anandarup Das	IITD	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ee29/preview
07	noc21-ee32	Electrical and Electronics Engineering	Sensors and Actuators	12 Weeks	3	Prof. Hardik Jeetendra Pandya	IISc	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee32/preview



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08	noc21-ee36	Electrical and Electronics Engineering	Multirate DSP	12 Weeks	3	Prof. R. David Koilpillai	IITM	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_ee36/preview
09	noc21-ee37	Electrical and Electronics Engineering	Probability Foundations for Electrical engineers	8 Weeks + 4 weeks new	3	Prof. Andrew Thangaraj Prof. Aravind R	IITM	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee37/preview
10	noc21-ee40	Electrical and Electronics Engineering	Optical Fiber Sensors	12 Weeks	3	Prof Balaji Srinivasan	IITM	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee40/preview
11	noc21-ee45	Electrical and Electronics Engineering	Electronics equipment integration and Prototype building	8 Weeks	2	Prof. N. V. Chalapathi Rao	IISc	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_ee45/preview
12	noc21-ee47	Electrical and Electronics Engineering	Spread Spectrum Communications And Jamming	12 Weeks	3	Prof. Debarati Sen	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_ee47/preview



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13	noc21-ee54	Electrical and Electronics Engineering	Discrete Time Signal Processing	8 Weeks	2	Prof. Mrityunjoy Chakraborty	IIT KGP	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_ee54/previous



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S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc21-me03	Mechanical Engineering	Introduction to Mechanical Micro Machining	12 Weeks	3	Prof. Ajay M Sidpara	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me03/preview
02	noc21-me04	Mechanical Engineering	Metal Cutting and Machine Tools	4 Weeks	1	Prof. Asimava Roy Choudhury	IIT KGP	February 15, 2021	March 12, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me04/preview
03	noc21-me05	Mechanical Engineering	Non Traditional Abrasive Machining Processes Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	4 Weeks	1	Prof. Asimava Roy Choudhury	IIT KGP	January 18, 2021	February 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me05/preview



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04	noc21-me06	Mechanical Engineering	Gear and Gear Unit Design : Theory and Practice	8 Weeks	2	Prof. Rathindranath Maiti	IIT KGP	February 15, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me06/preview
05	noc21-me07	Mechanical Engineering	Laws of Thermodynamics	4 Weeks	1	Prof. S.K Som Prof. Suman Chakraborty	IIT KGP	January 18, 2021	February 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me07/preview
06	noc21-me08	Mechanical Engineering	Kinematics of Mechanisms and Machines	8 Weeks	2	Prof. Anirvan DasGupta	IIT KGP	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me08/preview
07	noc21-me13	Mechanical Engineering	Automatic Control	8 Weeks	2	Prof. Anil Kumar	IITR	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me13/preview
08	noc21-me14	Mechanical Engineering	Failure analysis and Prevention	8 Weeks	2	Prof. D. K. Dwivedi	IITR	February 15, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me14/preview
09	noc21-me21	Mechanical Engineering	Steam and Gas Power	8 Weeks	2	Prof. Ravi Kumar	IITR	February 15,	April 9, 2021	April 25,	https://onlinecourses.nptel.ac.in/noc21_me21/pre



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			Systems					2021		2021	view
10	noc21-me25	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	8 Weeks	2	Prof. Pushparaj Mani Pathak	IITR	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me25/preview
11	noc21-me27	Mechanical Engineering	Mechatronics	8 Weeks	2	Prof. Pushparaj Mani Pathak	IITR	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me27/preview
12	noc21-me28	Mechanical Engineering	Explosions and Safety	12 Weeks	3	Prof. K. Ramamurthi Prof. Prasad Patnaik BSV	IITM	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me28/preview
13	noc21-me31	Mechanical Engineering	Design Practice	8 Weeks	2	Prof. Shantanu Bhattacharya	IITK	February 15, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me31/preview
14	noc21-me32	Mechanical Engineering	Introduction to Robotics	12 Weeks	3	Prof. Ashish Dutta	IITK	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me32/preview
15	noc21-me37	Mechanical Engineering	Robotics: Basics and Selected Advanced	12 Weeks	3	Prof. Ashitava Ghosal	IISc	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me37/preview



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			Concepts								
16	noc21-me41	Mechanical Engineering	Nonlinear Vibration	12 Weeks	3	Prof. S. K. Dwivedy	IITG	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me41/preview
17	noc21-me42	Mechanical Engineering	Vibrations of Structures	12 Weeks	3	Prof. Anirvan DasGupta	IIT KGP	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me42/preview
18	noc21-me44	Mechanical Engineering	Wheeled Mobile Robots	8 Weeks	2	Prof. Asokan Thondiyath Prof. Santhakumar Mohan	IITM IIT Palakkad	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me44/preview
19	noc21-me46	Mechanical Engineering	Computational Fluid Dynamics for Incompressible Flows	12 Weeks	3	Prof. Amaresh Dalal	IITG	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me46/preview
20	noc21-me47	Mechanical Engineering	Fundamentals of Combustion	12 Weeks	3	Prof. V. Raghavan	IITM	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me47/preview



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List of permitted MOOC'S COURSES along with their credits for B.Tech. students of RGPV.

For the session January – April 2021

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
21	noc21-me49	Mechanical Engineering	Robotics and Control : Theory and Practice	8 Weeks	2	Prof. N. Sukavanam Prof. M. Felix Orlando	IITR	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me49/preview
22	noc21-me54	Mechanical Engineering	Fundamentals of Nuclear Power Generation	12 Weeks	3	Prof. Dipankar N. Basu	IITG	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me54/preview
23	noc21-me58	Mechanical Engineering	Traditional and Non-Traditional Optimization Tools	8 Weeks	2	Prof. Dilip Kumar Pratihar	IIT KGP	January 18, 2021	March 12, 2021	March 21, 2021	https://onlinecourses.nptel.ac.in/noc21_me58/preview
24	noc21-me64	Mechanical Engineering	Computational Fluid Dynamics and Heat Transfer	12 Weeks	3	Prof. Gautam Biswas	IITK	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me64/preview
25	noc21-me65	Mechanical Engineering	Computer Integrated Manufacturing	12 Weeks	3	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me65/preview



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S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
26	noc21-me66	Mechanical Engineering	Product Design and Manufacturing	12 Weeks	3	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me66/preview
27	noc21-me67	Mechanical Engineering	Industrial Automation and Control	12 Weeks	3	Prof. Siddhartha Mukhopadhyay	IIT KGP	January 18, 2021	April 9, 2021	April 24, 2021	https://onlinecourses.nptel.ac.in/noc21_me67/preview
28	noc21-me69	Mechanical Engineering	IC Engines and Gas Turbines	12 Weeks	3	Prof. Pranab K. Mondal Prof. Vinayak N. Kulkarni	IITG	January 18, 2021	April 9, 2021	April 25, 2021	https://onlinecourses.nptel.ac.in/noc21_me69/preview