



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 3.5 and 3.6)
List of permitted MOOC'S COURSES along with their credits for B.Tech. students of RGPV.
For the session July-December 2026

FOR THE STUDENT OF B.TECH. MECHANICAL ENGINEERING, INDUSTRIAL & PRODUCTION ENGINEERING, AUTOMOBILE ENGINEERING, MINING ENGINEERING, ROBOTICS AND MECHATRONICS, AUTOMATION AND ROBOTICS, MINING AND MINERAL PROCESSING, ROBOTICS AND ARTIFICIAL INTELLIGENCE

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
1	noc26-me119	Mechanical Engineering	Foundation of Computational Fluid Dynamics	8 Weeks	2	Prof. Vengadesan	IIT Madras	https://nptel.ac.in/courses/12105771	noc26-me119	Mechanical Engineering	Foundation of Computational Fluid Dynamics
2	noc26-me129	Mechanical Engineering	Steam Power Engineering	8 Weeks	2	Prof. Vinayak N. Kulkarni	IIT Guwahati	https://nptel.ac.in/courses/12106312	noc26-me129	Mechanical Engineering	Steam Power Engineering
3	noc26-me131	Mechanical Engineering	Convective Heat	12 Weeks	3	Prof. Saptarshi Basu	IISc Bangalore	https://nptel.ac.in/courses/12106312	noc26-me131	Mechanical Engineering	Convective Heat Transfer



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			Transfer					12105319		eerin g	
4	noc26-me134	Mechanical Engineering	Solid Mechanics	12 Weeks	3	Prof. Ajeet Kumar	IIT Delhi	https://nptel.ac.in/courses/12105318	noc26-me134	Mechanical Engineering	Solid Mechanics
5	noc26-me150	Mechanical Engineering	Material Processing (Metallurgical Aspects): Fundamental, and Practical	12 Weeks	3	Prof. Dheerendra Kumar Dwivedi	IIT Roorkee	https://nptel.ac.in/courses/12105248	noc26-me150	Mechanical Engineering	Material Processing (Metallurgical Aspects): Fundamental, and Practical
6	noc26-me157	Mechanical Engineering	Production Technology: Theory and Practice	12 Weeks	3	Prof. Sounak Kumar Choudhury	IIT Kanpur	https://nptel.ac.in/courses/12102319	noc26-me157	Mechanical Engineering	Production Technology: Theory and Practice
7	noc26-me179	Mechanical	Fundamentals of	12 Weeks	3	Prof. Amaresh Dalal,	IIT	https://nptel.ac.in/c	noc26-	Mechanical	Fundamentals of Conduction



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		Engineering	Conduction And Radiation			Prof. Dipankar N Basu	Guwahati	ourses/12103276	me179	Engin eerin g	And Radiation
8	noc26-me196	Mechanical Engineering	Engineering Economic Analysis	8 Weeks	2	Prof. Pradeep Kumar Jha	IIT Roorkee	https://nptel.ac.in/courses/12103307	noc26-me196	Mech anical Engin eerin g	Engineering Economic Analysis
9	noc26-ge90	Mechanical Engineering	Sustainable Power Generation Systems	12 Weeks	3	Prof. Pankaj Kalita	IIT Guwahati	https://nptel.ac.in/courses/12103290	noc26-ge90	Mech anical Engin eerin g	Sustainable Power Generation Systems
10	noc26-me108	Mechanical Engineering	Geophysical Fluid Dynamics	12 Weeks	3	Prof. Ritabrata Thakur	IIT Delhi	https://nptel.ac.in/courses/12103249	noc26-me108	Mech anical Engin eerin g	Geophysical Fluid Dynamics
11	noc26-me113	Mechanical Engineering	Product Design Using Value	4 Weeks	1	Prof. Inderdeep Singh	IIT Roorkee	https://nptel.ac.in/courses/1	noc26-me113	Mech anical Engin	Product Design Using Value Engineering



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			Engineering					12103296		eerin g	
12	noc26-me114	Mechanical Engineering	Selection of Nanomaterials for Energy Harvesting And Storage Application	4 Weeks	1	Prof. Kaushik Pal	IIT Roorkee	https://npTEL.ac.in/courses/12103306	noc26-me114	Mechanical Engineering	Selection of Nanomaterials for Energy Harvesting And Storage Application
13	noc26-me115	Mechanical Engineering	Structural Analysis of Nanomaterials	4 Weeks	1	Prof. Kaushik Pal	IIT Roorkee	https://npTEL.ac.in/courses/12103293	noc26-me115	Mechanical Engineering	Structural Analysis of Nanomaterials
14	noc26-me120	Mechanical Engineering	Mechanics and Control of Robotic Manipulators	8 Weeks	2	Prof. Santhakumar Mohan	IIT Palakkad	https://npTEL.ac.in/courses/12103528	noc26-me120	Mechanical Engineering	Mechanics and Control of Robotic Manipulators
15	noc26-me122	Mechanical	Principles of Metal	8 Weeks	2	Prof. P. K. Jha	IIT	https://npTEL.ac.in/c	noc26-	Mechanical	Principles of Metal Forming



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		Engineering	Forming Technology				Roorkee	ourses/12103774	me122	Engin eerin g	Technology
16	noc26-me128	Mechanical Engineering	Welding Application Technology	8 Weeks	2	Prof. Pankaj Biswas	IIT Guwahati	https://nptel.ac.in/courses/12107209	noc26-me128	Mech anical Engin eerin g	Welding Application Technology
17	noc26-me130	Mechanical Engineering	Compliant Mechanisms : Principles and Design	12 Weeks	3	Prof. G. K. Ananthasuresh	IISc Bangalore	https://nptel.ac.in/courses/12107257	noc26-me130	Mech anical Engin eerin g	Compliant Mechanisms: Principles and Design
18	noc26-me136	Mechanical Engineering	Computatio nal Fluid Dynamics using Finite Volume Method	12 Weeks	3	Prof. Kameswararao Anupindi	IIT Madras	https://nptel.ac.in/courses/12104252	noc26-me136	Mec hanic al Engi neeri ng	Computational Fluid Dynamics using Finite Volume Method
19	noc26-me139	Mechanical Engineering	Microrobotic s	12 Weeks	3	Prof. I. A. Palani	IIT Indore	https://nptel.ac.in/courses/12104252	noc26-me139	Mech anical Engin	Microrobotics



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								12105305		eerin g	
20	noc26-me140	Mechanical Engineering	Engineering Fracture Mechanics	12 Weeks	3	Prof. K. Ramesh, Prof. Tarkes Dora Pallicity	IIT Madras IIT Guwahati	https://npTEL.ac.in/courses/12105236	noc26-me140	Mechanical Engineering	Engineering Fracture Mechanics
21	noc26-me145	Mechanical Engineering	Explosions and Safety	12 Weeks	3	Prof. K. Ramamurthi, Prof. Prasad Patnaik BSV	IIT Madras	https://npTEL.ac.in/courses/12105293	noc26-me145	Mechanical Engineering	Explosions and Safety
22	noc26-me146	Mechanical Engineering	Mechanics of Human Movement	12 Weeks	3	Prof. Sujatha Srinivasan	IIT Madras	https://npTEL.ac.in/courses/12103202	noc26-me146	Mechanical Engineering	Mechanics of Human Movement
23	noc26-me149	Mechanical Engineering	Work System Design	12 Weeks	3	Prof. Inderdeep Singh	IIT Roorkee	https://npTEL.ac.in/courses/1210331	noc26-me149	Mechanical Engineering	Work System Design



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24	noc26-me154	Mechanical Engineering	Rapid Manufacturing	12 Weeks	3	Prof. Janakranjan Ramkumar, Prof. Amandeep Singh Oberoi	IIT Kanpur	https://nptel.ac.in/courses/110105076	noc26-me154	Mechanical Engineering	Rapid Manufacturing
26	noc26-me156	Mechanical Engineering	Introduction to Composites	12 Weeks	3	Prof. Nachiketa Tiwari	IIT Kanpur	https://nptel.ac.in/courses/110105082	noc26-me156	Mechanical Engineering	Introduction to Composites
27	noc26-me158	Mechanical Engineering	Metal Additive Manufacturing	12 Weeks	3	Prof. Janakranjan Ramkumar, Prof. Amandeep Singh Oberoi	IIT Kanpur	https://nptel.ac.in/courses/110107127	noc26-me158	Mechanical Engineering	Metal Additive Manufacturing
28	noc26-me159	Mechanical Engineering	Computational Fluid Dynamics and Heat	12 Weeks	3	Prof. Gautam Biswas	IIT Kanpur	https://nptel.ac.in/courses/110107093	noc26-me159	Mechanical Engineering	Computational Fluid Dynamics and Heat Transfer



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29	noc26-me167	Mechanical Engineering	Industrial Robotics: Theories for Implementation	12 Weeks	3	Prof. Arun Dayal Udai	IIT-ISM Dhanbad	https://nptel.ac.in/courses/110107081	noc26-me167	Mechanical Engineering	Industrial Robotics: Theories for Implementation
30	noc26-me168	Mechanical Engineering	Microfluidics and Nanofluidics	12 Weeks	3	Prof. Suman Chakraborty	IIT Kharagpur	https://nptel.ac.in/courses/110107143	noc26-me168	Mechanical Engineering	Microfluidics and Nanofluidics
31	noc26-me169	Mechanical Engineering	Computational Fluid Dynamics lab	12 Weeks	3	Prof. Suman Chakraborty	IIT Kharagpur	https://nptel.ac.in/courses/110107126	noc26-me169	Mechanical Engineering	Computational Fluid Dynamics lab
32	noc26-me170	Mechanical Engineering	Advanced Fluid Mechanics - IITKGP	12 Weeks	3	Prof. Suman Chakraborty	IIT Kharagpur	https://nptel.ac.in/courses/110107161	noc26-me170	Mechanical Engineering	Advanced Fluid Mechanics - IITKGP



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33	noc26-me172	Mechanical Engineering	Heat Exchangers: Fundamentals and Design Analysis	12 Weeks	3	Prof. Prasanta Kumar Das, Prof. Indranil Ghosh	IIT Kharagpur	https://nptel.ac.in/courses/110107154	noc26-me172	Mechanical Engineering	Heat Exchangers: Fundamentals and Design Analysis
34	noc26-me173	Mechanical Engineering	Advanced Dynamics	12 Weeks	3	Prof. Anirvan DasGupta	IIT Kharagpur	https://nptel.ac.in/courses/110106045	noc26-me173	Mechanical Engineering	Advanced Dynamics
35	noc26-me176	Mechanical Engineering	Experimental Modal Analysis	12 Weeks	3	Prof. Subodh V. Modak	IIT Delhi	https://nptel.ac.in/courses/110106145	noc26-me176	Mechanical Engineering	Experimental Modal Analysis
36	noc26-me178	Mechanical Engineering	Fundamentals of Convective Heat	12 Weeks	3	Prof. Amaresh Dalal	IIT Guwahati	https://nptel.ac.in/courses/11010614	noc26-me178	Mechanical Engineering	Fundamentals of Convective Heat Transfer



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37	noc26-me180	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	12 Weeks	3	Prof. Atanu Banerjee, Prof. Arup Nandy	IIT Guwahati	https://nptel.ac.in/courses/10107757	noc26-me180	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming
38	noc26-me184	Mechanical Engineering	Experimental Methods in Fluid Mechanics	12 Weeks	3	Prof. Pranab K. Mondal	IIT Guwahati	https://nptel.ac.in/courses/10107168	noc26-me184	Mechanical Engineering	Experimental Methods in Fluid Mechanics
39	noc26-me185	Mechanical Engineering	Principle of Hydraulic Machines And System Design	12 Weeks	3	Prof. Pranab K. Mondal	IIT Guwahati	https://nptel.ac.in/courses/10107509	noc26-me185	Mechanical Engineering	Principle of Hydraulic Machines And System Design
40	noc26-me188	Mechanical	Fundamentals of Additive	12 Weeks	3	Prof. Sajan Kapil	IIT	https://nptel.ac.in/c	noc26-	Mechanical	Fundamentals of Additive



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		Engineering	Manufacturing Technologies				Guwahati	ourses/10107146	me188	Engineering	Manufacturing Technologies
41	noc26-me189	Mechanical Engineering	Automation In Manufacturing	12 Weeks	3	Prof. Shrikrishna N. Joshi	IIT Guwahati	https://nptel.ac.in/courses/10107759	noc26-me189	Mechanical Engineering	Automation In Manufacturing
42	noc26-me190	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes	12 Weeks	3	Prof. Swarup Bag	IIT Guwahati	https://nptel.ac.in/courses/10107157	noc26-me190	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes
43	noc26-me192	Mechanical Engineering	Aircraft Propulsion	12 Weeks	3	Prof. Vinayak N. Kulkarni	IIT Guwahati	https://nptel.ac.in/courses/10104118	noc26-me192	Mechanical Engineering	Aircraft Propulsion
44	noc26-me194	Mechanical	Thermal Managemen	8 Weeks	2	Prof. Sarthak Nag, Prof. Parmod	IIT Mandi	https://nptel.ac.in/c	noc26-	Mechanical	Thermal Management of



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		Engineering	t of Electronics			Kumar		ourses/10104513	me194	Engin eerin g	Electronics
46	noc26-me195	Mechanical Engineering	Optical Methods for Solid and Fluid Mechanics	8 Weeks	2	Prof. Alope Kumar, Prof. Koushik Viswanathan	IISc Bangalore	https://np tel.ac.in/courses/10104743	noc26-me195	Mech anical Engin eerin g	Optical Methods for Solid and Fluid Mechanics
47	noc26-me198	Mechanical Engineering	Design Practice - II	8 Weeks	2	Prof. Shantanu Bhattacharya	IIT Kanpur	https://np tel.ac.in/courses/10105153	noc26-me198	Mech anical Engin eerin g	Design Practice - II
48	noc26-me199	Mechanical Engineering	Biomechanic s of Joints and Orthopaedic Implants	8 Weeks	2	Prof. Sanjay Gupta	IIT Kharagpu r	https://np tel.ac.in/courses/10105755	noc26-me199	Mech anical Engin eerin g	Biomechanics of Joints and Orthopaedic Implants
49	noc26-me200	Mechanical Engineering	Mechanism and Robot	8 Weeks	2	Prof. Anirvan Dasgupta	IIT Kharagpu	https://np tel.ac.in/courses/1	noc26-me200	Mech anical Engin	Mechanism and Robot Kinematics



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			Kinematics				r	10105123		eerin g	
50	noc26-me201	Mechanical Engineering	High Performance Computing for Scientists and Engineers	8 Weeks	2	Prof. Somnath Roy	IIT Kharagpur	https://nptel.ac.in/courses/10105168	noc26-me201	Mechanical Engineering	High Performance Computing for Scientists and Engineers
51	noc26-me203	Mechanical Engineering	Laser Based Manufacturing	8 Weeks	2	Prof. Shrikrishna N. Joshi	IIT Guwahati	https://nptel.ac.in/courses/10105148	noc26-me203	Mechanical Engineering	Laser Based Manufacturing
52	noc26-me204	Mechanical Engineering	Advances in Welding and Joining Technologies	8 Weeks	2	Prof. Swarup Bag	IIT Guwahati	https://nptel.ac.in/courses/10105155	noc26-me204	Mechanical Engineering	Advances in Welding and Joining Technologies
53	noc26-me107	Mechanical Engineering (Manufacturing	Fundamentals of Casting and	12 Weeks	3	Prof. Virkeshwar Kumar	IIT Kanpur	https://nptel.ac.in/courses/10105175	noc26-me107	Mechanical Engineering	Fundamentals of Casting and Solidification



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		Engineering)	Solidification					10105154		eerin g (Man ufact uring Engin eerin g)	
54	noc26-me133	Mechanical Engineering, Electronics and Electrical Engineering	Design of Mechatronic Systems	12 Weeks	3	Prof. Prasanna Gandhi	IIT Bombay	https://np tel.ac.in/courses/10105147	noc26-me133	Mech anical Engin eerin g, Elect ronics and Electr ical Engin eerin g	Design of Mechatronic Systems
55	noc26-me177	Mechanical Engineering,	Design of Precision	12 Weeks	3	Prof. Jitendra P.	IIT Delhi	https://np tel.ac.in/c	noc26-	Mech anical	Design of Precision



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		Material Science, Aerospace Engineering, Automotive Engineering, Civil Engineering.	Machines			Khatait		ourses/10105083	me177	Engin eerin g, Mate rial Scien ce, Aeros pace Engin eerin g, Auto motiv e Engin eerin g, Civil Engin eerin g.	Machines
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