

**NPTEL VIDEO SUBJECT WISE VIDEO COURSES  
DEPARTMENT OF MECHANICAL ENGINEERING**

<b>S.No</b>	<b>Course_ID</b>	<b>Course_Name</b>	<b>Professor_Name</b>	<b>WEB LINK</b>
1	112101095	Advanced Strength of Materials	Prof. S.K. Maiti	<a href="https://nptel.ac.in/courses/112/101/112101095/">https://nptel.ac.in/courses/112/101/112101095/</a>
2	112101097	Heat and Mass Transfer	Prof. U.N. Gaitonde, Prof. S.P. Sukhatme	<a href="https://nptel.ac.in/courses/112/101/112101097/">https://nptel.ac.in/courses/112/101/112101097/</a>
3	112101099	Robotics	Prof. C. Amarnath, Prof. B. Seth, Prof. K. Kurien Issac, Prof. P.S. Gandhi, Prof. P. Seshu	<a href="https://nptel.ac.in/courses/112/101/112101099/">https://nptel.ac.in/courses/112/101/112101099/</a>
4	112102106	Project and Production Management	Prof. Arun Kanda	<a href="https://nptel.ac.in/courses/112/102/112102106/">https://nptel.ac.in/courses/112/102/112102106/</a>
5	112102101	Computer Aided Design and Manufacturing	Prof. Anoop Chawla, Prof. P.V. Madhusudan Rao	<a href="https://nptel.ac.in/courses/112/102/112102101/">https://nptel.ac.in/courses/112/102/112102101/</a>
6	112103108	Engineering Mechanics	Dr. G. Saravana Kumar, Prof. U.S. Dixit	<a href="https://nptel.ac.in/courses/112/103/112103108/">https://nptel.ac.in/courses/112/103/112103108/</a>
7	112103112	Mechanical Vibrations	Prof. Rajiv Tiwari, Prof. S.K. Dwivedy	<a href="https://nptel.ac.in/courses/112/103/112103112/">https://nptel.ac.in/courses/112/103/112103112/</a>
8	112104121	Kinematics of Machines	Prof. Ashok K Mallik	<a href="https://nptel.ac.in/courses/112/104/112104121/">https://nptel.ac.in/courses/112/104/112104121/</a>
9	112104114	Dynamics of Machines	Prof. Amitabha Ghosh	<a href="https://nptel.ac.in/courses/112/104/112104114/">https://nptel.ac.in/courses/112/104/112104114/</a>
10	112104115	Finite Element Method	Prof. C.S. Upadhyay	<a href="https://nptel.ac.in/courses/112/104/112104115/">https://nptel.ac.in/courses/112/104/112104115/</a>
11	112105124	Design of Machine Elements I	Prof. S.K. Roychowdhury, Prof. B. Maiti, Prof. G. Chakraborty	<a href="https://nptel.ac.in/courses/112/105/112105124/">https://nptel.ac.in/courses/112/105/112105124/</a>
12	112105126	Manufacturing Processes II	Prof. A.K. Chattopadhyay, Prof. A.B. Chattopadhyay, Prof. S. Paul	<a href="https://nptel.ac.in/courses/112/105/112105126/">https://nptel.ac.in/courses/112/105/112105126/</a>
13	112105128	Refrigeration and Air Conditioning	Prof. R.C. Arora, Prof. M. Ramgopal	<a href="https://nptel.ac.in/courses/112/105/112105128/">https://nptel.ac.in/courses/112/105/112105128/</a>
14	112106138	Mechanical Measurements and Metrology	Prof. S.P. Venkateshan, Prof. Shunmugam M. S	<a href="https://nptel.ac.in/courses/112/106/112106138/">https://nptel.ac.in/courses/112/106/112106138/</a>
15	112106131	Advanced Operations Research	Prof. G. Srinivasan	<a href="https://nptel.ac.in/courses/112/106/112106131/">https://nptel.ac.in/courses/112/106/112106131/</a>
16	112107147	Strength of Materials	Dr. S.P. Harsha	<a href="https://nptel.ac.in/courses/112/107/112107147/">https://nptel.ac.in/courses/112/107/112107147/</a>

17	112107143	Industrial Engineering	Dr. D.K. Dwivedi,Dr. Inderdeep Singh,Prof. Pradeep Kumar, Prof. P.K. Jain	<a href="https://nptel.ac.in/courses/112/107/112107143/">https://nptel.ac.in/courses/112/107/112107143/</a>
18	112107145	Manufacturing Processes I	Dr. D.K. Dwivedi,Dr. Inderdeep Singh,Dr. D. Benny Karunakar	<a href="https://nptel.ac.in/courses/112/107/112107145/">https://nptel.ac.in/courses/112/107/112107145/</a>
19	112106140	Principles of Mechanical Measurements	Prof. R. Raman	<a href="https://nptel.ac.in/courses/112/106/112106140/">https://nptel.ac.in/courses/112/106/112106140/</a>
20	112106135	Introduction to Finite Element Method	Dr. R. Krishnakumar	<a href="https://nptel.ac.in/courses/112/106/112106135/">https://nptel.ac.in/courses/112/106/112106135/</a>
21	112106130	Advanced Finite Elements Analysis	Dr. R. Krishnakumar	<a href="https://nptel.ac.in/courses/112/106/112106130/">https://nptel.ac.in/courses/112/106/112106130/</a>
22	112106134	Fundamentals of Operations Research	Prof. G. Srinivasan	<a href="https://nptel.ac.in/courses/112/106/112106134/">https://nptel.ac.in/courses/112/106/112106134/</a>
23	112105123	Basic Thermodynamics	Prof. S.K. Som	<a href="https://nptel.ac.in/courses/112/105/112105123/">https://nptel.ac.in/courses/112/105/112105123/</a>
24	113105057	Advanced Materials and Processes	Prof. B.S. Murty	<a href="https://nptel.ac.in/courses/113/105/113105057/">https://nptel.ac.in/courses/113/105/113105057/</a>
25	102106026	Thermodynamics	Prof. G.K. Suraishkumar	<a href="https://nptel.ac.in/courses/102/106/102106026/">https://nptel.ac.in/courses/102/106/102106026/</a>
26	107103004	Ergonomics for beginners: Industrial design perspective	Prof. Debkumar Chakrabarti	<a href="https://nptel.ac.in/courses/107/103/107103004/">https://nptel.ac.in/courses/107/103/107103004/</a>
27	112101002	Convective Heat and Mass Transfer	Prof. A.W. Date	<a href="https://nptel.ac.in/courses/112/101/112101002/">https://nptel.ac.in/courses/112/101/112101002/</a>
28	112101004	Cryogenic Engineering	Prof. M.D. Atrey	<a href="https://nptel.ac.in/courses/112/101/112101004/">https://nptel.ac.in/courses/112/101/112101004/</a>
29	112102014	Tribology	Dr. Harish Hirani	<a href="https://nptel.ac.in/courses/112/102/112102014/">https://nptel.ac.in/courses/112/102/112102014/</a>
30	112104029	Biomicroelectromechanical systems	Dr. Shantanu Bhattacharya	<a href="https://nptel.ac.in/courses/112/104/112104029/">https://nptel.ac.in/courses/112/104/112104029/</a>
31	112105045	Computational Fluid Dynamics	Prof. S. Chakraborty	<a href="https://nptel.ac.in/courses/112/105/112105045/">https://nptel.ac.in/courses/112/105/112105045/</a>
32	112105055	Vibration of Structures	Prof. A. Dasgupta	<a href="https://nptel.ac.in/courses/112/105/112105055/">https://nptel.ac.in/courses/112/105/112105055/</a>
33	112106064	Design and Optimization of Energy systems	Prof. C. Balaji	<a href="https://nptel.ac.in/courses/112/106/112106064/">https://nptel.ac.in/courses/112/106/112106064/</a>
34	112106065	Engineering Fracture Mechanics	Prof. K. Ramesh	<a href="https://nptel.ac.in/courses/112/106/112106065/">https://nptel.ac.in/courses/112/106/112106065/</a>

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36	112106073	Rocket Propulsion	Prof. K. Ramamurthi	<a href="https://nptel.ac.in/courses/112/106/112106073/">https://nptel.ac.in/courses/112/106/112106073/</a>
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38	113104008	Fuels Refractory and Furnaces	Prof. Satish Ch. Koria	<a href="https://nptel.ac.in/courses/113/104/113104008/">https://nptel.ac.in/courses/113/104/113104008/</a>
39	113104009	Introduction to Biomaterials	Dr. Birkamjit Basu,Dr. Kantesh Balani	<a href="https://nptel.ac.in/courses/113/104/113104009/">https://nptel.ac.in/courses/113/104/113104009/</a>
40	113104010	Materials and Energy balance in Metallurgical Processes	Prof. Satish Ch. Koria	<a href="https://nptel.ac.in/courses/113/104/113104010/">https://nptel.ac.in/courses/113/104/113104010/</a>
41	113104013	Steel Making	Prof. Dipak Mazumdar,Prof. Satish Ch. Koria	<a href="https://nptel.ac.in/courses/113/104/113104013/">https://nptel.ac.in/courses/113/104/113104013/</a>
42	113105021	Non-ferrous Extractive Metallurgy	Prof. H.S. Ray,Mr. L Pugazhenthly	<a href="https://nptel.ac.in/courses/113/105/113105021/">https://nptel.ac.in/courses/113/105/113105021/</a>
43	113105024	Principles of Physical Metallurgy	Prof. R.N. Ghosh	<a href="https://nptel.ac.in/courses/113/105/113105024/">https://nptel.ac.in/courses/113/105/113105024/</a>
44	113106031	Advanced Metallurgical Thermodynamics	Prof. B.S. Murty	<a href="https://nptel.ac.in/courses/113/106/113106031/">https://nptel.ac.in/courses/113/106/113106031/</a>
45	113106039	Physics of Materials	Dr. Prathap Haridoss	<a href="https://nptel.ac.in/courses/113/106/113106039/">https://nptel.ac.in/courses/113/106/113106039/</a>
46	112105171	Fluid Mechanics	Prof. S.K. Som	<a href="https://nptel.ac.in/courses/112/105/112105171/">https://nptel.ac.in/courses/112/105/112105171/</a>
47	112107078	Advanced Manufacturing Processes	Dr. A.K. Sharma	<a href="https://nptel.ac.in/courses/112/107/112107078/">https://nptel.ac.in/courses/112/107/112107078/</a>
48	113104006	Electroceramics	Dr. Ashish Garg	<a href="https://nptel.ac.in/courses/113/104/113104006/">https://nptel.ac.in/courses/113/104/113104006/</a>
49	113104061	Environmental Degradation of Materials	Dr. Kallol Mondal	<a href="https://nptel.ac.in/courses/113/104/113104061/">https://nptel.ac.in/courses/113/104/113104061/</a>
50	112107086	Processing of non metals	Dr. Inderdeep Singh	<a href="https://nptel.ac.in/courses/112/107/112107086/">https://nptel.ac.in/courses/112/107/112107086/</a>
51	112104031	Computer Aided Engineering Design	Dr. Anupam Saxena	<a href="https://nptel.ac.in/courses/112/104/112104031/">https://nptel.ac.in/courses/112/104/112104031/</a>
52	113105015	Advanced ceramics for strategic applications	Prof. H.S. Maiti	<a href="https://nptel.ac.in/courses/113/105/113105015/">https://nptel.ac.in/courses/113/105/113105015/</a>

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54	113105025	Processing of Semiconducting Materials	Dr. Pallab Banerji	<a href="https://nptel.ac.in/courses/113/105/113105025/">https://nptel.ac.in/courses/113/105/113105025/</a>
55	112107089	Welding Engineering	Dr. D. K. Dwivedi	<a href="https://nptel.ac.in/courses/112/107/112107089/">https://nptel.ac.in/courses/112/107/112107089/</a>
56	112105051	Solar Energy Technology	Prof. V.V. Satyamurty	<a href="https://nptel.ac.in/courses/112/105/112105051/">https://nptel.ac.in/courses/112/105/112105051/</a>
57	112103023	Nonlinear Vibration	Prof. S.K. Dwivedy	<a href="https://nptel.ac.in/courses/112/103/112103023/">https://nptel.ac.in/courses/112/103/112103023/</a>
58	113104014	Structure of Materials	Prof. Sandeep Sangal, Dr. Anandh Subramaniam	<a href="https://nptel.ac.in/courses/113/104/113104014/">https://nptel.ac.in/courses/113/104/113104014/</a>
59	113104012	Optoelectronic Materials and Devices	Prof. Monica Katiyar, Prof. Deepak Gupta	<a href="https://nptel.ac.in/courses/113/104/113104012/">https://nptel.ac.in/courses/113/104/113104012/</a>
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62	112104172	Engineering Drawing	Dr. Anupam Saxena	<a href="https://nptel.ac.in/courses/112/104/112104172/">https://nptel.ac.in/courses/112/104/112104172/</a>
63	112104162	Advanced manufacturing process for micro sytem fabrication	Dr. Shantanu Bhattacharya	<a href="https://nptel.ac.in/courses/112/104/112104162/">https://nptel.ac.in/courses/112/104/112104162/</a>
64	112108092	Micro and Smart Systems	Prof. K.N. Bhat, Prof. G.K. Anathasuresh, Prof. S. Gopalakrishnan, Dr. K.J. Vinoy	<a href="https://nptel.ac.in/courses/112/108/112108092/">https://nptel.ac.in/courses/112/108/112108092/</a>
65	112106056	Advanced Gas Dynamics	Dr. Rinku Mukherjee	<a href="https://nptel.ac.in/courses/112/106/112106056/">https://nptel.ac.in/courses/112/106/112106056/</a>
66	112107079	Computational Fluid Dynamics	Dr. K. M. Singh	<a href="https://nptel.ac.in/courses/112/107/112107079/">https://nptel.ac.in/courses/112/107/112107079/</a>
67	112105053	Technology of Surface Coating	Prof. A.K. Chattopadhyay	<a href="https://nptel.ac.in/courses/112/105/112105053/">https://nptel.ac.in/courses/112/105/112105053/</a>
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70	107106080	Vehicle Dynamics	Dr. R. Krishnakumar	<a href="https://nptel.ac.in/courses/107/106/107106080/">https://nptel.ac.in/courses/107/106/107106080/</a>

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72	112106170	Convective Heat Transfer	Dr. Arvind Pattamatta, Prof. Ajit K. Kolar	<a href="https://nptel.ac.in/courses/112/106/112106170/">https://nptel.ac.in/courses/112/106/112106170/</a>
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78	112104026	Acoustics	Prof. Nachiketa Tiwari	<a href="https://www.digimat.in/nptel/courses/video/112104026/L01.html">https://www.digimat.in/nptel/courses/video/112104026/L01.html</a>
79	112104181	NOC:BioMEMS and Microsystems	Dr. Shantanu Bhattacharya	<a href="https://nptel.ac.in/courses/112/104/112104181/">https://nptel.ac.in/courses/112/104/112104181/</a>
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84	112106186	NOC:Foundation of Computational Fluid Dynamics	Dr.S.Vengadesan	<a href="https://nptel.ac.in/courses/112/106/112106186/">https://nptel.ac.in/courses/112/106/112106186/</a>
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88	101101001	Introduction to Aerospace Propulsion	Prof. A M Pradeep ,Prof. Bhaskar Roy	<a href="https://nptel.ac.in/courses/101/101/101101001/">https://nptel.ac.in/courses/101/101/101101001/</a>

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92	101104015	Instability and Transition of Fluid Flows	Prof. Tapan K. Sengupta	<a href="https://nptel.ac.in/courses/101/104/101104015/">https://nptel.ac.in/courses/101/104/101104015/</a>
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96	101108057	Optimal Control, Guidance and Estimation.	Dr. Radhakant Padhi	<a href="https://nptel.ac.in/courses/101/108/101108057/">https://nptel.ac.in/courses/101/108/101108057/</a>
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99	101105059	Introduction to Aerodynamics	Dr. K.P. Sinhamahapatra	<a href="https://nptel.ac.in/courses/101/105/101105059/">https://nptel.ac.in/courses/101/105/101105059/</a>
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101	101104005	Aero elasticity	Prof. C. Venkatesan	<a href="https://nptel.ac.in/courses/101/104/101104005/">https://nptel.ac.in/courses/101/104/101104005/</a>
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103	101106031	Acoustic Instabilities in Aerospace Propulsion	Prof. R.I. Sujith	<a href="https://nptel.ac.in/courses/101/106/101106031/">https://nptel.ac.in/courses/101/106/101106031/</a>
104	101106033	Aerospace Propulsion	Dr. P.A. Ramakrishna	<a href="https://nptel.ac.in/courses/101/106/101106033/">https://nptel.ac.in/courses/101/106/101106033/</a>
105	101106045	Introduction to CFD	Prof. M. Ramakrishna	<a href="https://nptel.ac.in/courses/101/106/101106045/">https://nptel.ac.in/courses/101/106/101106045/</a>
106	101104061	NOC: Introduction to airplane performance	Dr. A.K. Ghosh, Dr. Deepu Philip	<a href="https://nptel.ac.in/courses/101/104/101104061/">https://nptel.ac.in/courses/101/104/101104061/</a>