

**DHANEKULA' S MECHANICAL ENGINEERING  
LIST OF NPTEL WEB COURSES**

S.NO	Course Name	Coordinators	Institute	Web Link
1	Computer Aided Design and Manufacturing I	Prof. Anoop Chawla	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102102/">http://nptel.ac.in/course/s/112102102/</a>
2	Computer Aided Design and Manufacturing II	Prof. P.V. Madhusudan	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102103/">http://nptel.ac.in/course/s/112102103/</a>
3	Mechanics	Prof. A. Dasgupta	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105164/">http://nptel.ac.in/course/s/112105164/</a>
4	Advanced Engineering Thermodynamics	Prof. P. Mahanta	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103016/">http://nptel.ac.in/course/s/112103016/</a>
5	Advanced Manufacturing Processes	Dr. Pradeep Kumar	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107077/">http://nptel.ac.in/course/s/112107077/</a>
		Dr. A. K. Sharma		
6	Applied Thermodynamics	Prof. J.M. Mallikarjuna	IIT Madras	<a href="http://nptel.ac.in/course/s/112107077/">http://nptel.ac.in/course/s/112107077/</a>
		Prof. U.S. Premananda		
		Prof. T. Sundararajan		
7	Automation & Controls	Dr. S. Jha	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102011/">http://nptel.ac.in/course/s/112102011/</a>
8	Basic Thermodynamics	Prof. Gautam Biswas	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104113/">http://nptel.ac.in/course/s/112104113/</a>
		Prof. Y.V.C. Rao		
9	Basic Thermodynamics	Prof. Pradip Dutta	IISc Bangalore	<a href="http://nptel.ac.in/course/s/112108148/">http://nptel.ac.in/course/s/112108148/</a>
		Prof. K. Srinivasan		
10	Computational Fluid Dynamics	Dr. K. M. Singh	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107080/">http://nptel.ac.in/course/s/112107080/</a>
11	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104030/">http://nptel.ac.in/course/s/112104030/</a>
12	Computational Fluid Dynamics for Turbomachinery	Prof. B.V.S.S.S. Prasad	IIT Madras	<a href="http://nptel.ac.in/course/s/112106061/">http://nptel.ac.in/course/s/112106061/</a>
		Dr. Y.V.S.S. Sanyasiraju		
13	Computational Heat Transfer and Fluid Flow	Prof. Pradip Dutta	IISc Bangalore	<a href="http://nptel.ac.in/course/s/112108091/">http://nptel.ac.in/course/s/112108091/</a>
14	Convective Heat and Mass Transfer	Dr. Amaresh Dalal	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112104159/">http://nptel.ac.in/course/s/112104159/</a>
15		Prof. Gautam Biswas	IIT Kanpur	

16	Design For Manufacturing	Prof. A. De	IIT Bombay	<a href="http://nptel.ac.in/course/s/112101005/">http://nptel.ac.in/course/s/112101005/</a>
17	Design of Machine Elements I	Prof. G. Chakraborty	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105125/">http://nptel.ac.in/course/s/112105125/</a>
19	Dynamics of Machines	Prof. C. Amarnath	IIT Bombay	<a href="http://nptel.ac.in/course/s/112101096/">http://nptel.ac.in/course/s/112101096/</a>
		Prof. K. Kurien Issac		
		Prof. P. Seshu		
20	Engine Combustion	Prof. B.P. Pundir	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104033/">http://nptel.ac.in/course/s/112104033/</a>
21	Engineering Drawing	Prof. P.S. Robi	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103019/">http://nptel.ac.in/course/s/112103019/</a>
22	Engineering Mechanics	Prof. U.S. Dixit	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103109/">http://nptel.ac.in/course/s/112103109/</a>
23	Finite Element Method	Prof. P.M. Dixit	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104116/">http://nptel.ac.in/course/s/112104116/</a>
24	Fluid Machinery	Prof. S. Sarkar	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104117/">http://nptel.ac.in/course/s/112104117/</a>
		Prof. Gautam Biswas	IIT Kharagpur	
		Prof. S.K. Som		
25	Fluid Mechanics	Prof. Gautam Biswas	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104118/">http://nptel.ac.in/course/s/112104118/</a>
		Prof. S.K. Som	IIT Kharagpur	
26	Fluid Power Control	Prof. Jagadeesha T	IIT Madras	<a href="http://nptel.ac.in/course/s/112106175/">http://nptel.ac.in/course/s/112106175/</a>
27	Forming	Dr. R. Chandramouli	SASTRA University	<a href="http://nptel.ac.in/course/s/112106153/">http://nptel.ac.in/course/s/112106153/</a>
28	Fundamentals of Industrial Oil Hydraulics and Pneumatics	Prof. R.N. Maiti	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105046/">http://nptel.ac.in/course/s/112105046/</a>
29	Gas Dynamics	Dr. Vinayak Kulkarni	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103021/">http://nptel.ac.in/course/s/112103021/</a>
30	Heat and Mass Transfer	Prof. Pradip Dutta	IISc Bangalore	<a href="http://nptel.ac.in/course/s/112108149/">http://nptel.ac.in/course/s/112108149/</a>
31	Industrial Engineering	Prof. P.K. Jain	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107142/">http://nptel.ac.in/course/s/112107142/</a>
		Prof. H.S. Shan		
		Dr. Pradeep Kumar		
32	Introduction to Composites	Prof. Nachiketa Tiwari	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104168/">http://nptel.ac.in/course/s/112104168/</a>
33	Introduction to Nuclear Engineering	Prof. Kannan.N.Iyer	IIT Bombay	<a href="http://nptel.ac.in/course/s/112101007/">http://nptel.ac.in/course/s/112101007/</a>

34	Introduction to Turbulence	Prof. Gautam Biswas	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104120/">http://nptel.ac.in/course/s/112104120/</a>
35	Kinematics	Prof. Sudipto Mukherjee	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102105/">http://nptel.ac.in/course/s/112102105/</a>
		Prof. Ashok K Mallik	IIT Kanpur	
36	Machine Design II	Prof. M.M. Mayuram	IIT Madras	<a href="http://nptel.ac.in/course/s/112106137/">http://nptel.ac.in/course/s/112106137/</a>
		Prof. K. Gopinath		
37	Manufacturing Processes I	Dr. Pradeep Kumar	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107144/">http://nptel.ac.in/course/s/112107144/</a>
		Prof. S.R. Gupta		
		Prof. H.S. Shan		
38	Manufacturing Processes II	Prof. S. Paul	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105127/">http://nptel.ac.in/course/s/112105127/</a>
		Prof. A.B. Chattopadhyay		
		Prof. A.K. Chattopadhyay		
39	Materials Science	Prof. Satish V Kailas	IISc Bangalore	<a href="http://nptel.ac.in/course/s/112108150/">http://nptel.ac.in/course/s/112108150/</a>
40	Materials Selection and Design	Prof. Bishakh Bhattacharya	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104122/">http://nptel.ac.in/course/s/112104122/</a>
41	Mechanical Measurements and Metrology	Prof. Shunmugam M.	IIT Madras	<a href="http://nptel.ac.in/course/s/112106139/">http://nptel.ac.in/course/s/112106139/</a>
		Prof. S.P. Venkateshan		
42	Mechanical Vibrations	Prof. S.K. Dwivedy	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103111/">http://nptel.ac.in/course/s/112103111/</a>
		Prof. Rajiv Tiwari		
43	Mechanics of Laminated composite structure	Prof. Nachiketa Tiwari	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104161/">http://nptel.ac.in/course/s/112104161/</a>
44	Mechatronics and Manufacturing Automation	Dr. Shrikrishna N. Joshi	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103174/">http://nptel.ac.in/course/s/112103174/</a>
45	Modelling and control of Dynamic Electro-Mechanical System	Prof. Bishakh Bhattacharya	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104158/">http://nptel.ac.in/course/s/112104158/</a>
46	Nonlinear Vibration	Prof. S.K. Dwivedy	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103022/">http://nptel.ac.in/course/s/112103022/</a>
47	Optical Measurement Techniques in Thermal Sciences	Prof. P.K. Panigrahi	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104039/">http://nptel.ac.in/course/s/112104039/</a>
		Prof. K. Muralidhar		
48	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104040/">http://nptel.ac.in/course/s/112104040/</a>

49	Processing of non metals	Dr. Inderdeep Singh	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107085/">http://nptel.ac.in/course/s/112107085/</a>
50	Project and Production Management	Prof. S.G. Deshmukh	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102107/">http://nptel.ac.in/course/s/112102107/</a>
		Prof. Arun Kanda		
51	Random vibrations & Failure Analysis	Dr. Sayan Gupta	IIT Madras	<a href="http://nptel.ac.in/course/s/112106072/">http://nptel.ac.in/course/s/112106072/</a>
52	Refrigeration and Air Conditioning	Prof. M. Ramgopal	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105129/">http://nptel.ac.in/course/s/112105129/</a>
53	Robotics	Prof. P. Seshu	IIT Bombay	<a href="http://nptel.ac.in/course/s/112101098/">http://nptel.ac.in/course/s/112101098/</a>
		Prof. P.S. Gandhi		
		Prof. K. Kurien Issac		
		Prof. B. Seth		
		Prof. C. Amarnath		
54	Robotics: Advanced Concepts and Analysis	Prof. Ashitava Ghosal	IISc Bangalore	<a href="http://nptel.ac.in/course/s/112108093/">http://nptel.ac.in/course/s/112108093/</a>
55	Second Level Course in Heat Transfer	Prof. R.P. Vedula	IIT Bombay	<a href="http://nptel.ac.in/course/s/112101001/">http://nptel.ac.in/course/s/112101001/</a>
56	Smart Material, Adaptive Structures and Intelligent Mechanical Systems - IITK	Prof. Nachiketa Tiwari	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104173/">http://nptel.ac.in/course/s/112104173/</a>
		Prof. Bishakh Bhattacharya		
57	Solar Energy Technology	Prof. V.V. Satyamurty	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105050/">http://nptel.ac.in/course/s/112105050/</a>
58	Sound Propagation Through Media	Prof. Nachiketa Tiwari	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104176/">http://nptel.ac.in/course/s/112104176/</a>
59	Strength of Materials	Prof. M.S. Sivakumar	IIT Madras	<a href="http://nptel.ac.in/course/s/112106141/">http://nptel.ac.in/course/s/112106141/</a>
60	Strength of Materials	Dr. Satish C Sharma	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107146/">http://nptel.ac.in/course/s/112107146/</a>
61	Structural Health Monitoring of Composites	Prof. Anand Kumar	IIT Kanpur	<a href="http://nptel.ac.in/course/s/112104160/">http://nptel.ac.in/course/s/112104160/</a>
		Prof. Bishakh Bhattacharya		
62	Theory & Practice of Rotor Dynamics	Prof. Rajiv Tiwari	IIT Guwahati	<a href="http://nptel.ac.in/course/s/112103024/">http://nptel.ac.in/course/s/112103024/</a>
63	Tribology	Dr. Harish Hirani	IIT Delhi	<a href="http://nptel.ac.in/course/s/112102015/">http://nptel.ac.in/course/s/112102015/</a>
64	Vibration control	Dr. S. P. Harsha	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107088/">http://nptel.ac.in/course/s/112107088/</a>
65	Vibration of Structures	Prof. A. Dasgupta	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105054/">http://nptel.ac.in/course/s/112105054/</a>

66	Wave Propagation in Continuous Media	Prof. S.P. Kastagir	IIT Kharagpur	<a href="http://nptel.ac.in/course/s/112105165/">http://nptel.ac.in/course/s/112105165/</a>
		Prof. A. Dasgupta		
67	Welding Engineering	Dr. D. K. Dwivedi	IIT Roorkee	<a href="http://nptel.ac.in/course/s/112107090/">http://nptel.ac.in/course/s/112107090/</a>
68	Advanced Fluid Mechanics	Dr. N. Sahoo	IIT Guwahati	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=112106185">http://nptel.ac.in/syllabus/syllabus.php?subjectId=112106185</a>
		Dr. K. Arul Prakash	IIT Madras	
69	Advanced Robotics	Prof. Sudipto Mukherjee	IIT Delhi	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
70	Analysis & Design of Smart Materials and Structures	Dr. A. Arockiarajan	IIT Madras	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
71	Continuum Mechanics	A. Narayana Reddy	IIT Guwahati	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
72	Dynamics of Mechanical System	Dr. Satish C Sharma	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
73	Gas Dynamics and Jet Propulsion	Prof. P.M.V. Subbarao	IIT Delhi	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
74	Mechanics of Materials	Dr. Sumit Basu	IIT Kanpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
75	Metal Casting	Dr. D. B. Karunakar	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
76	Rapid Manufacturing	Dr. N. Venkata Reddy	IIT Kanpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
77	Technology of Surface Coating	Prof. A.K. Chattopadhyay	IIT Kharagpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
78	Variational Methods and Structural Optimization	Prof. G.K. Anathasuresh	IISc Bangalore	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>
79	Machinery fault diagnosis and signal processing	Prof. A.R. Mohanty	IIT Kharagpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId">http://nptel.ac.in/syllabus/syllabus.php?subjectId</a>