

## 4.2.2.E Databases

Sl.No	Course ID	Discipline_ Name	Course_Name	Professor_ Name	TYPE	Institute
1	101101001	Aerospace Engineering	Introduction to Aerospace Propulsion	Prof. A M Pradeep ,Prof. Bhaskar Roy	Video	IIT Bombay
2	101101002	Aerospace Engineering	Jet Aircraft Propulsion	Prof. Bhaskar Roy,Prof. A M Pradeep	Video	IIT Bombay
3	101101058	Aerospace Engineering	Turbomachinery Aerodynamics	Prof. A M Pradeep ,Prof. Bhaskar Roy	Video	IIT Bombay
4	101104013	Aerospace Engineering	Foundation of Scientific Computing	Prof. Tapan K. Sengupta	Video	IIT Kanpur
5	101104015	Aerospace Engineering	Instability and Transition of Fluid Flows	Prof. Tapan K. Sengupta	Video	IIT Kanpur
6	101104017	Aerospace Engineering	Introduction to Helicopter Aerodynamics and Dynamics	Prof. A.R. Manjunath,Prof. C. Venkatesan	Video	IIT Kanpur
7	101106042	Aerospace Engineering	Flight Dynamics II (Stability)	Dr. Nandan Kumar Sinha	Video	IIT Madras
8	101108047	Aerospace Engineering	Advanced Control System Design for Aerospace Vehicles	Dr. Radhakant Padhi	Video	IISc Bangalore
9	101108057	Aerospace Engineering	Optimal Control, Guidance and Estimation.	Dr. Radhakant Padhi	Video	IISc Bangalore
10	102101003	Biotechnology	Biomathematics	Dr. Ranjith Padinhateeri	Video	IIT Bombay
11	102106026	Biotechnology	Thermodynamics	Prof. G.K. Suraishkumar	Video	IIT Madras
12	103103031	Chemical Engineering	Heat Transfer	Prof. A.K. Ghoshal	Video	IIT Guwahati
13	103104044	Chemical Engineering	Fluid Mechanics	Dr. V. Shankar	Video	IIT Kanpur
14	103104046	Chemical Engineering	Mass Transfer II	Prof. Nishith Verma	Video	IIT Kanpur
15	103105054	Chemical Engineering	Biochemical Engineering	Dr. Rintu Banerjee,Dr. Saikat Chakraborty	Video	IIT Kharagpur
16	103105059	Chemical Engineering	Multiphase Flow	Prof. Gargi Das,Prof. P.K. Das	Video	IIT Kharagpur

17	103105061	Chemical Engineering	Novel Separation Processes	Prof. S. De	Video	IIT Kharagpur
18	103105066	Chemical Engineering	Instability and Patterning of Thin Polymer Films	Dr. R. Mukherjee	Video	IIT Kharagpur
19	103105106	Chemical Engineering	Advanced Mathematical Techniques in Chemical Engineering	Prof. S. De	Video	IIT Kharagpur
20	103106073	Chemical Engineering	Computational Fluid Dynamics	Prof. Sreenivas Jayanti	Video	IIT Madras
21	103106074	Chemical Engineering	Computational Techniques	Dr. Niket S.Kaisare	Video	IIT Madras
22	103106103	Chemical Engineering	Particle Characterization (PG)	Dr. R. Nagarajan	Video	IIT Madras
23	103108097	Chemical Engineering	Chemical Reaction Engineering	Prof. Jayant M Modak	Video	IISc Bangalore
24	103108098	Chemical Engineering	Fundamentals of Transport Processes	Prof. V. Kumaran	Video	IISc Bangalore
25	103108100	Chemical Engineering	Modern Instrumental Methods of Analysis	Dr. J.R. Mudakavi	Video	IISc Bangalore
26	104104066	Chemistry and Biochemistry	Advance Analytical Course	Dr. Padma S Vankar	Video	IIT Kanpur
27	104105038	Chemistry and Biochemistry	Organic photochemistry and pericyclic reactions	Dr. N.D. Pradeep Singh	Video	IIT Kharagpur
28	104105041	Chemistry and Biochemistry	Rate processes	Dr. M. Halder	Video	IIT Kharagpur
29	104108056	Chemistry and Biochemistry	Eukaryotic Gene Expression - basics and benefits	Prof. P.N. Rangarajan	Video	IISc Bangalore
30	105101010	Civil Engineering	Watershed Management	Dr. T.I. Eldho	Video	IIT Bombay
31	105105045	Civil Engineering	Probability Methods in Civil Engineering	Dr. Rajib Maity	Video	IIT Kharagpur
32	105106050	Civil Engineering	Advanced Structural Analysis	Prof. Devdas Menon	Video	IIT Madras
33	105106051	Civil Engineering	Finite Element Analysis	Dr. B.N. Rao	Video	IIT Madras
34	105106058	Civil Engineering	Urban transportation planning	Dr. V. Thamizh Arasan	Video	IIT Madras
35	105108075	Civil Engineering	Ground Improvement Techniques	Dr. G.L. Sivakumar Babu	Video	IISc Bangalore
36	105108079	Civil Engineering	Stochastic Hydrology	Prof. P.P. Mujumdar	Video	IISc Bangalore
37	105108080	Civil Engineering	Stochastic Structural Dynamics	Prof. C.S. Manohar	Video	IISc Bangalore

38	105108130	Civil Engineering	Water Resources Systems : Modeling Techniques and Analysis	Prof. P.P. Mujumdar	Video	IISc Bangalore
39	106102011	Computer Science & Engg	Computational Geometry	Prof. Sandeep Sen	Video	IIT Delhi
40	106105031	Computer Science & Engg	Cryptography and Network Security	Dr. Debdeep Mukhopadhyay	Video	IIT Kharagpur
41	106105034	Computer Science & Engg	Low Power VLSI Circuits & Systems	Prof. Ajit Pal	Video	IIT Kharagpur
42	106105036	Computer Science & Engg	Real Time Systems	Prof. Rajib Mall	Video	IIT Kharagpur
43	106106048	Computer Science & Engg	Performance Evaluation of Computer Systems	Prof. Krishna Moorthy Sivalingam	Video	IIT Madras
44	106106049	Computer Science & Engg	Theory of Automata, Formal Languages and Computation	Prof. Kamala Krithivasan	Video	IIT Madras
45	106108052	Computer Science & Engg	Compiler Design	Prof. Y.N. Srikanth	Video	IISc Bangalore
46	106108054	Computer Science & Engg	Graph Theory	Dr. L. Sunil Chandran	Video	IISc Bangalore
47	106108055	Computer Science & Engg	High Performance Computing	Prof. Mathew Jacob	Video	IISc Bangalore
48	107103004	Engineering Design	Ergonomics for beginners: Industrial design perspective	Prof. Debkumar Chakrabarti	Video	IIT Guwahati
49	108101004	Electrical Engineering	Power System Dynamics and Control	Dr. A.M. Kulkarni	Video	IIT Bombay
50	108103007	Electrical Engineering	Advanced Control Systems	Prof. S. Majhi	Video	IIT Guwahati
51	108104013	Electrical Engineering	High Voltage DC Transmission	Dr. S.N. Singh	Video	IIT Kanpur
52	108108031	Electrical Engineering	An Introduction to Electronics Systems Packaging	Prof. G.V. Mahesh	Video	IISc Bangalore
53	109101004	Humanities and Social Sciences	Contemporary Issues in Philosophy of Mind & Cognition	Dr. Ranjan K.Panda, Dr. Rajakishore Nath	Video	IIT Bombay
54	109103019	Humanities and Social Sciences	Cultural Studies	Dr. Liza Das	Video	IIT Guwahati
55	109103021	Humanities and Social Sciences	Game Theory and Economics	Dr. Debarshi Das	Video	IIT Guwahati

56	109104045	Humanities and Social Sciences	Population and Society	Prof. A.K. Sharma	Video	IIT Kanpur
57	109106053	Humanities and Social Sciences	Contemporary Literature	Dr. Aysha Iqbal Viswamohan	Video	IIT Madras
58	109106058	Humanities and Social Sciences	History of Economic Theory	Prof. S.S.SivaKumar	Video	IIT Madras
59	109106059	Humanities and Social Sciences	Indian Philosophy	Dr. Satya Sundar Sethy	Video	IIT Madras
60	109106079	Humanities and Social Sciences	Introduction to Film Studies	Dr. Aysha Iqbal Viswamohan	Video	IIT Madras
61	110102016	Management	Organisation Management	Prof. Vinayshil Gautam	Video	IIT Delhi
62	110105030	Management	Econometric Modelling	Dr. Rudra P. Pradhan	Video	IIT Kharagpur
63	110105035	Management	Security Analysis and Portfolio Management	Dr. Chandra Sekhar Mishra, Dr. Jitendra Mahakud	Video	IIT Kharagpur
64	110105039	Management	Six Sigma	Prof. Tapan P. Bagchi	Video	IIT Kharagpur
65	110108047	Management	Strategic Management	Prof. R. Srinivasan	Video	IISc Bangalore
66	111101003	Mathematics	Elementary Numerical Analysis	Prof. Rekha P. Kulkarni	Video	IIT Bombay
67	111101005	Mathematics	Measure and Integration	Prof. Inder K Rana	Video	IIT Bombay
68	111104024	Mathematics	Applied Multivariate Analysis	Dr. Amit Mitra, Dr. Sharmishtha Mitra	Video	IIT Kanpur
69	111104025	Mathematics	Calculus of Variations and Integral Equations	Prof. D. Bahuguna, Dr. Malay Banerjee	Video	IIT Kanpur
70	111104027	Mathematics	Linear programming and Extensions	Prof. Prabha Sharma	Video	IIT Kanpur
71	111104068	Mathematics	Convex Optimization	Dr. Joydeep Dutta	Video	IIT Kanpur
72	111105035	Mathematics	Advanced Engineering Mathematics	Prof. Somesh Kumar, Prof. P.D. Srivastava, Prof. J. Kumar, Dr. P. Panigrahi	Video	IIT Kharagpur

73	111105037	Mathematics	Functional Analysis	Prof. P.D. Srivastava	Video	IIT Kharagpur
74	111105041	Mathematics	Probability and Statistics	Prof. Somesh Kumar	Video	IIT Kharagpur
75	111108066	Mathematics	Advanced Matrix Theory and Linear Algebra for Engineers	Prof. Vittal Rao	Video	IISc Bangalore
76	112101002	Mechanical Engineering	Convective Heat and Mass Transfer	Prof. A.W. Date	Video	IIT Bombay
77	112101004	Mechanical Engineering	Cryogenic Engineering	Prof. M.D. Atrey	Video	IIT Bombay
78	112102014	Mechanical Engineering	Tribology	Dr. Harish Hirani	Video	IIT Delhi
79	112104029	Mechanical Engineering	Biomicroelectromechanical systems	Dr. Shantanu Bhattacharya	Video	IIT Kanpur
80	112105045	Mechanical Engineering	Computational Fluid Dynamics	Prof. S. Chakraborty	Video	IIT Kharagpur
81	112105055	Mechanical Engineering	Vibration of Structures	Prof. A. Dasgupta	Video	IIT Kharagpur
82	112106064	Mechanical Engineering	Design and Optimization of Energy systems	Prof. C. Balaji	Video	IIT Madras
83	112106065	Mechanical Engineering	Engineering Fracture Mechanics	Prof. K. Ramesh	Video	IIT Madras
84	112106068	Mechanical Engineering	Experimental Stress Analysis	Prof. K. Ramesh	Video	IIT Madras
85	112106073	Mechanical Engineering	Rocket Propulsion	Prof. K. Ramamurthi	Video	IIT madras
86	112106155	Mechanical Engineering	Conduction And Radiation	Prof. C. Balaji	Video	IIT Madras
87	113104008	Metallurgy & Material Science	Fuels Refractory and Furnaces	Prof. Satish Ch. Koria	Video	IIT Kanpur
88	113104009	Metallurgy & Material Science	Introduction to Biomaterials	Dr. Birkamjit Basu, Dr. Kantesh Balani	Video	IIT Kanpur
89	113104010	Metallurgy & Material Science	Materials and Energy balance in Metallurgical Processes	Prof. Satish Ch. Koria	Video	IIT Kanpur
90	113104013	Metallurgy & Material Science	Steel Making	Prof. Dipak Mazumdar, Prof. Satish Ch. Koria	Video	IIT Kanpur
91	113105021	Metallurgy & Material Science	Non-ferrous Extractive Metallurgy	Prof. H.S. Ray, Mr. L Pugazhenthay	Video	IIT Kharagpur



92	113105024	Metallurgy & Material Science	Principles of Physical Metallurgy	Prof. R.N. Ghosh	Video	IIT Kharagpur
93	113106031	Metallurgy & Material Science	Advanced Metallurgical Thermodynamics	Prof. B.S. Murty	Video	IIT Madras
94	113106039	Metallurgy & Material Science	Physics of Materials	Dr. Prathap Haridoss	Video	IIT Madras
95	114105003	Ocean Engineering	Hydrostatics and Stability	Dr. Hari V. Warrior	Video	IIT Kharagpur
96	114105004	Ocean Engineering	Marine Construction and Welding	Prof. N.R. Mandal	Video	IIT Kharagpur
97	114105006	Ocean Engineering	Seakeeping & Manoeuvring	Prof. Debabrata Sen	Video	IIT Kharagpur
98	114106017	Ocean Engineering	Health, Safety & Environmental Management in Petroleum & Offshore Engg	Dr. Srinivasan Chandrasekaran	Video	IIT Madras
99	114106033	Ocean Engineering	Wave Hydrodynamics	Prof. V. Sundar	Video	IIT Madras
100	115102014	Physics	Electronics	Prof. D.C. Dube	Video	IIT Delhi
101	115102020	Physics	Plasma Physics: Fundamentals and Applications	Prof. V.K. Tripathi, Prof. Vijayshri	Video	IIT Delhi
102	115102022	Physics	Quantum Electronics	Prof. K. Thyagarajan	Video	IIT Delhi
103	115102023	Physics	Quantum Mechanics and Applications	Prof. Ajoy Ghatak	Video	IIT Delhi
104	115106068	Physics	Special Topics in Classical Mechanics	Prof. P.C. Deshmukh	Video	IIT Madras
105	116102034	Textile Engineering	Theory of Yarn Structures	Prof. Bohuslav Neckar	Video	IIT Delhi
106	116104044	Textile Engineering	Natural Dyes	Dr. Padma S Vankar	Video	IIT Kanpur
107	117101001	Electronics & Comm. Engg	Adv. Digital Signal Processing - Multirate and wavelets	Prof. V.M. Gadre	Video	IIT Bombay
108	117101002	Electronics & Comm. Engg	Advanced Optical Communication	Prof. R.K. Shevgaonkar	Video	IIT Bombay
109	117108038	Electronics & Comm. Engg	Circuits for Analog System Design	Prof. M.K. Gunasekaran	Video	IISc Bangalore

110	117108044	Electronics & Comm. Engg	Error Correcting Codes	Prof. P. Vijay Kumar	Video	IISc Bangalore
111	101105024	Aerospace Engineering	High Speed Aero Dynamics	Dr. K.P. Sinhamahapatra	Video	IIT Kharagpur
112	101105030	Aerospace Engineering	Space Flight Mechanics	Dr. Manoranjan Sinha	Video	IIT Kharagpur
113	101105059	Aerospace Engineering	Introduction to Aerodynamics	Dr. K.P. Sinhamahapatra	Video	IIT Kharagpur
114	102101007	Biotechnology	Proteomics: Principles and Techniques	Prof. Sanjeeva Srivastava	Video	IIT Bombay
115	105101005	Civil Engineering	Soil Dynamics	Dr. Deepankar Choudhury	Video	IIT Bombay
116	105104131	Civil Engineering	Geotechnical Measurements & Explorations	Dr. Nihar Ranjan Patra	Video	IIT Kanpur
117	106103116	Computer Science & Engg	Design Verification and Test of Digital VLSI Circuits	Prof. Jatindra Kumar Deka, Dr. Santosh Biswas	Video	IIT Guwahati
118	106104119	Computer Science & Engg	Biometrics	Prof. Phalguni Gupta	Video	IIT Kanpur
119	109104035	Humanities and Social Sciences	International Economics	Dr. Somesh K. Mathur	Video	IIT Kanpur
120	110105054	Management	Consumer Behaviour	Dr. Sangeeta Sahney	Video	IIT Kharagpur
121	111102014	Mathematics	Stochastic Processes	Dr. S. Dharmaraja	Video	IIT Delhi
122	111105043	Mathematics	Statistical Inference	Prof. Somesh Kumar	Video	IIT Kharagpur
123	111105069	Mathematics	A Basic Course in Real Analysis	Prof. P.D. Srivastava	Video	IIT Kharagpur
124	112105171	Mechanical Engineering	Fluid Mechanics	Prof. S.K. Som	Video	IIT Kharagpur
125	114105005	Ocean Engineering	Marine Hydrodynamics	Dr. T. Sahoo	Video	IIT Kharagpur
126	114106035	Ocean Engineering	Ocean Structures and Materials	Dr. Srinivasan Chandrasekaran	Video	IIT Madras
127	114106036	Ocean Engineering	Dynamics of Ocean Structures	Dr. Srinivasan Chandrasekaran	Video	IIT Madras
128	117104099	Electronics & Communication Engg.	Advanced 3G and 4G Wireless Mobile Communications	Prof. Aditya K. Jagannatham	Video	IIT Kanpur
129	103105057	Chemical Engineering	Microscale Transport Processes	Prof. S. Dasgupta, Dr. Somnath Ganguly	Video	IIT Kharagpur

130	105101134	Civil Engineering	Geotechnical Earthquake Engineering	Dr. Deepankar Choudhury	Video	IIT Bombay
131	105105039	Civil Engineering	Advanced Foundation Engineering	Dr. Kousik Deb	Video	IIT Kharagpur
132	106108056	Computer Science & Engg	Numerical Optimization	Dr. Shirish K. Shevade	Video	IISc Bangalore
133	109101017	Humanities and Social Sciences	Understanding Creativity and Creative Writing	Prof. Neelima Talwar	Video	IIT Bombay
134	110102058	Management	Organisation of Engineering Systems and Human Resources Management	Prof. Vinayshil Gautam	Video	IIT Delhi
135	112107078	Mechanical Engineering	Advanced Manufacturing Processes	Dr. A.K. Sharma	Video	IIT Roorkee
136	113104006	Metallurgy and Material Science	Electroceramics	Dr. Ashish Garg	Video	IIT Kanpur
137	113104061	Metallurgy and Material Science	Environmental Degradation of Materials	Dr. Kallol Mondal	Video	IIT Kanpur
138	114106037	Ocean Engineering	Advanced Marine Structures	Dr. Srinivasan Chandrasekaran	Video	IIT Madras
139	115101005	Physics	Electromagnetic Theory	Prof. D.K. Ghosh	Video	IIT Bombay
140	115101011	Physics	Special Theory of Relativity	Prof. Shiva Prasad	Video	IIT Bombay
141	103103034	Chemical Engineering	Mass Transfer Operations I	Dr. B. Mandal	Video	IIT Guwahati
142	110101005	Management	Managerial Economics	Dr. Trupti Mishra	Video	IIT Bombay
143	110105033	Management	Organizational Behaviour	Dr. Susmita Mukhopadhyay	Video	IIT Kharagpur
144	110105057	Management	International Finance	Dr. Arun K. Misra	Video	IIT Kharagpur
145	111103070	Mathematics	Complex Analysis	Prof. P. A. S. Sree Krishna	Video	IIT Guwahati
146	112107086	Mechanical Engineering	Processing of non metals	Dr. Inderdeep Singh	Video	IIT Roorkee
147	115102026	Physics	Semiconductor Optoelectronics	Prof. M. R. Shenoy	Video	IIT Delhi
148	103104050	Chemical Engineering	Plantwide Control of Chemical Processes	Dr. Nitin Kaistha	Video	IIT Kanpur



149	104108055	Chemistry and Biochemistry	Essentials in Immunology	Dr. R. Manjunath, Dr. Dipankar Nandi, Prof. Anjali Karande	Video	IISc Bangalore
150	105103021	Civil Engineering	Advanced Hydraulics	Dr. Suresh A Kartha	Video	IIT Guwahati
151	109104074	Humanities and Social Sciences	Introduction to Sociology	Prof. A.K. Sharma	Video	IIT Kanpur
152	110104055	Management	Strategic Marketing - Contemporary Issues	Prof. Jayanta Chatterjee	Video	IIT Kanpur
153	114106032	Ocean Engineering	Coastal Engineering	Prof. V. Sundar	Video	IIT Madras
154	115106058	Physics	Classical Field Theory	Prof. Suresh Govindarajan	Video	IIT Madras
155	117108048	Electronics & Communication Engg	Pattern Recognition	Prof. P.S. Sastry	Video	IISc Bangalore
156	121106003	General	Ayurvedic Inheritance of India	Dr M. S. Valiathan	Video	IIT Madras
157	104105031	Chemistry and Biochemistry	Bio-inorganic chemistry	Prof. D. Ray	Video	IIT Kharagpur
158	104105033	Chemistry and Biochemistry	Co-ordination chemistry (chemistry of transition elements)	Prof. D. Ray	Video	IIT Kharagpur
159	109104031	Humanities and Social Sciences	Communication Skills	Dr. T. Ravichandran	Video	IIT Kanpur
160	109104073	Humanities and Social Sciences	Macro Economics	Prof. Surajit Sinha	Video	IIT Kanpur
161	112104031	Mechanical Engineering	Computer Aided Engineering Design	Dr. Anupam Saxena	Video	IIT Kanpur
162	113105015	Metallurgy and Material Science	Advanced ceramics for strategic applications	Prof. H.S. Maiti	Video	IIT Kharagpur