Summer courses running in self-study mode during April-May 2020

(Registration open only to final year or senior students)

S.No.	Course Code - Name	Faculty
1	AE 410-Navigation and Guidance	Prof. Shashi Ranjan Kumar
2	AE 725-Air Transportation	Prof. Pant R.K.
3	CE 102-Engineering Mechanics	Prof. Jangid R.S.
4	CE 317-Structural Mechanics II	Prof. M.M.Inamdar, Prof. N.K.Chandiramani
5	CE 325-Structural Design I	Prof. Jayadipta Ghosh
6	CE 401-Water Resources Engineering	Prof. Jothiprakash V.
7	CE 407-Foundation Engg.	Prof. S. Dasaka Murthy
8	CE 463-Probabilistic and Statistical Methods in Civil Eng	Prof. S. Dasaka Murthy
9	CE 482-Construction Management	Prof. Venkata S. Delhi
10	CE 484-Concrete Technology	Prof. Prakash Nanthagopalan
11	CL 202-Introduction to Data Analysis	Prof. Bhartiya S.
12	CL 203-Introduction to Transport Phenomena	Prof. Jyoti R. Seth
13	CL 249-Computational Methods Lab	Prof. Sujit S. Jogwar
14	CL 302-Process Control	Prof. Ratul Dasgupta,Prof Ravindra D. Gudi
15	CL 305-Solid Mechanics	Prof. Arindam Sarkar
16	CL 306-Chemical Processes	Prof. Vinjamur Madhu
17	CL 405-Process Equipment Selection	Prof. Leja Hattiangadi, Prof. Malik R.K.
18	CL 409-Material Science	Prof. Bellare J.
19	CL 419-Process Economics	Prof. Leja Hattiangadi, Prof. Malik R.K.
20	CL 452-Process Design Project	Prof. Sanjay Mahajani
21	CL 356-Process Plant Utilities	Prof. S.Ganeshan
22	CL 254-Process Fluid Mechanics	Prof. Venkat Gundabala
23	DE 105-Captured Audio and Image Design (Photography & Videography)	Prof. Mohanty Raja
24	DE 121-Design Studio I - Problem Identification	Prof. Mohanty Raja
25	DE 123-Introduction to Writing	Prof. Mohanty Raja
26	DE 133-Applied Science for Designers	Prof. Mohanty Raja
27	DE 304-Communication Design	Prof. Mohanty Raja
28	DE 707-Design Research Methodologies	Prof. Girish V. Dalvi,Prof. Joshi Anirudha
29	EN 203-Thermodynamics and Energy Conversion	Prof. Sankara Sarma V. Tatiparti
30	EN 214-Transport Phenomena	Prof. Venkatasailanathan Ramadesigan

31	EN 312-Control & Instrumentation	Prof. Dayadeep S. Monder
32	EN 313-Power Electronics	Prof. V.S.S. Pavan Kumar Hari
33	EN 315-Reaction Engineering & Combustion	Prof. Manaswita Bose
34	EN 601-Nonconventional Energy Sources	Prof. P.C.Ghosh
35	EN 209-Basic Electrical & Electronics Engineering	Prof. D. Suryanarayana
36	EN 304-Electrical Energy Systems	Prof. Zakir H. Rather
37	EN 406-Seminar	Prof. Anish Modi
38	ES 200-Environmental Studies: Science and Engineering	Prof. Tabish Nawaz, Prof. Venkata Sai Vamsi Botlaguduru,Prof. Virendra Sethi
39	MA 503-Functional Analysis	Prof. Garge Shripad M.
40	MA 521-Theory of Analytic Functions	Prof. Sivaji Ganesh S.
41	MA 105-Calculus	Prof. K. Sureshkumar
42	MA 205-Complex Analysis	Prof. Manoj Kumar keshari
43	MA 214-Introduction to Numerical Analysis	Prof. Kulkarni Rekha P.
44	MA 408-Measure Theory	Prof. Rana I.K.
45	SI 425-Basic Real Analysis	Prof. Sanjoy Pusti
46	SI 418-Advanced Programming and Unix Environment	Prof. Srinivasan M.K.
47	HS 101-Economics	Prof. Neha Gupta, Prof. Saptarshi Prosonno Ghosh
48	HS 200-Environmental Studies	Prof. Narayanan K., Prof. Parthasarathy D., Prof. R.K. Panda
49	HS 301-Philosophy	Prof. Amrita Banerjee
50	HS 472-Psychology of Health	Prof. Mrinmoyi Kulkarni
51	HS 601-Development Planning & Policies : Issues & Alternatives	Prof. Parthasarathy D.
52	CS 101-Computer Programming and Utilization	Prof. Bellur Umesh, Prof. Purushottam Kulkarni
53	CS 152-Abstractions and Paradigms for Programming	Prof. Sanyal Amitabh
54	CS 293-Data Structures and Algorithms Lab	Prof. Diwan A.A
55	CS 302-Implementation of Programming Languages	Prof. Uday Khedkar
56	CS 317-Database and Information Systems	Prof. Sudarshan S.
57	CS 335-Artificial Intelligence and Machine Learning (Lab)	Prof. Shivaram Kalyanakrishnan
58	CS 337-Artificial Intelligence and Machine Learning	Prof. Shivaram Kalyanakrishnan
59	CS 333-Operating Systems Lab	Prof. Mythili Vutukuru

60	CS 341-Computer Architecture Lab	Prof. Bhaskar Raman
61	CS 743-Wireless Networks	Prof. Bhaskar Raman
62	PH 103-Electricity & Magnetism	Prof. Suresh K.G.
63	PH 105-Modern Physics	Prof. Aftab Alam
64	PH 107-Quantum Physics and Application	Prof. Aftab Alam
65	PH 108-Basics of Electricity & Magnetism	Prof. Suresh K.G.
66	PH 204-Quantum Mechanics I	Prof. P. Ramadevi
67	PH 407-Mathematical Physics I	Prof. Soumya Bera
68	PH 410-Statistical Physics	Prof. Shankaranarayanan Subramaniam
69	PH 421-Photonics	Prof. Dinesh Kabra
70	PH 436-Introduction to Condensed Matter Physics	Prof. Sunita Srivastava
71	PH 505-Introduction to Nuclear & Particle Physics	Prof. Sadhana Dash
72	PH 515-Introduction to Atomic and Molecular Physics	Prof. B.N.Jagtap
73	PH 517-Methods in Analytical Techniques	Prof. Kantimay Das Gupta
74	CH 229-Chemical Thermodynamics	Prof. Nand Kishore
75	CH 405-Advanced Transition Metal Chemistry	Prof. M. S. Balakrishna
76	CH 107-Physical Chemistry	Prof. G. Naresh Patwari
77	CH 105-Organic & Inorganic Chemistry	Prof. Leela S. Panchakarla Prof. Nandita Madhavan
78	CH 404-Physical Organic Chemistry	Prof. Sambasivarao Kotha
79	CH 401-Organic Reactions	Prof. Kaliappan K P
80	CH 427-Chemical and Statistical Thermodynamics	Prof. Nand Kishore
81	CH 442-Molecular Spectroscopy	Prof. A. Datta
82	MM 209-Thermodynamics of Materials	Prof. Ballal N.B.
83	MM 305-Kinetics of Processes	Prof. N. Venkataramani
84	MM 325-Phase Transformations	Prof. Prabhu N.
85	MM 327-Mechanical Behaviour of Materials	Prof. Nagamani J. Balila
86	MM 439-Iron and Steelmaking	Prof. N.N.Viswanathan, Prof. Manish M. Pande
87	MM 401-Introduction to Process Control Theory and Instrumentation	Prof. Khosla N.K.
88	MM 451-Instrumentation and Process Control Theory	Prof. Khosla N.K.
89	MM 204-Transport Phenomena	Prof. Deepoo Kumar
90	MM 318-Electronic Properties of Materials	Prof. Amrita Bhattacharya

91	MM 320-Principles of Process Metallurgy	Prof. Khosla N.K, Prof. Somnath Basu
92	MM 359-Metal Casting and Joining	Prof. K. Bhanumurthy
93	MM 454-Corrosion & Protection of Materials	Prof. Smrutiranjan Parida, Prof. Vijayshankar Dandapani
94	MM 408-Mechanical Working of Metals	Prof. Narsimhan K., Prof. Samajdar I.
95	MM 453-Engineering Polymers & Composites	Prof. Arup R. Bhattacharyya
96	MM 406-Semiconductor Devices and Processing	Prof.Dipti Gupta
97	EE 606-Fibre Optic Communications	Prof. Kumar Appaiah
98	EE 101-Introduction to Electrical and Electronics Circuits	Prof. Fernandes B.G.
99	EE 207-Electronic Devices & Circuits	Prof. Swaroop Ganguly
100	EE 210-Signals and Systems	Prof. Gadre V.M.
101	EE 223-Data Analysis and Interpretation	Prof. Merchant S N
102	EE 225-Network Theory	Prof. M Belur
103	EE 301-Electromagnetic Waves	Prof. Kulkarni S V
104	EE 302-Control Systems	Prof. M Belur
105	EE 308-Communication Systems	Prof. Merchant S N
106	EE 309-Microprocessors	Prof. Virendra Singh
107	EE 325-Probability and Random Processes	Prof. Gaurav S. Kasbekar
108	EE 328-Digital Communications	Prof. Kumar Appaiah
109	EE 334-Power Systems	Prof. Kulkarni A.M.
110	EE 338-Digital Signal Processing	Prof. Gadre V.M.
111	EE 602-Radar Systems	Prof. Kushal R. Tuckley
112	EE 609-Radiating Systems	Prof. Kushal R. Tuckley
113	ME 209-Thermodynamics	Prof. Shivasubramanian Gopalakrishnan
114	ME 338-Manufacturing Processes II	Prof. Pradeep Dixit
115	ME 346-Heat Transfer	Prof. Sreedhara Sheshadri
116	ME 637-Manufacturing Automation	Prof. Karunakaran K.P.
117	ME 220-Theory of Machines and Machine Design	Prof. Shantanu Tripathi
118	ME 206-Manufacturing Processes I	Prof. Shyamprasad Karagadde, Prof. S. S. Joshi
119	SC 629-Introduction to Probability and Random Processes	Prof. Debasish Chatterjee
120	BB 101-Biology	Prof. Ambarish Kunwar