

No	Course Id	Course Name	Department	Duration	Start date	End date	Exam date	Number of Faculty Who Participated in FDP				
								Enrolled	Registered	Present	Passed	FDP Certificate Applicants
1	noc18-ae04	Fundamentals of Combustion (Part 2)	Aerospace Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	150	7	5	5	5
2	noc18-ae07	Design of fixed wing Unmanned Aerial Vehicles	Aerospace Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	188	32	24	12	8
3	noc18-ar10	Dairy and Food process and products technology	Agriculture Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	287	62	56	56	26
4	noc18-ar14	Contemporary Architecture and Design	Architecture	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	277	58	45	45	16
5	noc18-bt17	Biomicrofluidics	Biotechnology & Bioengineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	125	12	6	6	5
6	noc18-bt18	Biomedical nanotechnology	Biotechnology & Bioengineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	624	153	129	129	45
7	noc18-bt22	Computational Systems Biology	Biotechnology & Bioengineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	119	4	2	1	1
8	noc18-bt26	WildLife Conservation	Biotechnology & Bioengineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	241	54	49	48	17
9	noc18-bt27	Functional Genomics	Biotechnology & Bioengineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	255	60	46	46	20
10	noc18-bt28	Computer Aided Drug Design	Biotechnology & Bioengineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	445	120	84	62	37
11	noc18-bt25	Nanotechnology in Agriculture	Biotechnology & Bioengineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	360	88	78	78	44
12	noc18-ch21	Optimization in Chemical Engineering	Chemical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	127	12	10	8	3
13	noc18-ch24	Infrared spectroscopy for pollution monitoring	Chemical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	266	65	52	52	36
14	noc18-ch25	Natural Gas Engineering	Chemical Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	108	23	18	17	6
15	noc18-ch26	Introduction to Polymer Physics-IITG	Chemical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	49	4	3	2	2
16	noc18-ph13	Introduction to Polymer Physics-IITR	Chemical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	38	4	3	3	1
17	noc18-cy19	Chemistry: Atomic Structure and Chemical Bonding	Chemistry	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	377	32	27	18	6
18	noc18-cy13	Computational Chemistry and Classical Molecular Dynamics	Chemistry	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	168	15	8	7	4
19	noc18-cy14	Inorganic Chemistry of Life: Principles and Perspectives	Chemistry	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	152	17	11	10	7
20	noc18-cy18	Chemical Crystallography	Chemistry	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	147	27	21	21	9
21	noc18-cy20	Advanced Chemical Thermodynamics and Kinetics	Chemistry	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	184	7	7	3	1
22	noc18-ce18	Theory of Elasticity	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	317	39	32	32	19
23	noc18-ce21	Advanced Concrete Technology	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1334	265	232	156	83
24	noc18-ce23	Reinforced Concrete Road Bridges	Civil Engineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	776	126	105	97	43
25	noc18-ce26	Wastewater Treatment and Recycling	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	860	223	200	194	101
26	noc18-ce27	Glass in buildings : Design and applications	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	224	29	25	24	10

27	noc18-ce30	Fire Protection, Services and Maintenance Management of Building	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	252	22	16	12	5
28	noc18-ce31	Geosynthetics Testing Laboratory	Civil Engineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	317	59	54	53	21
29	noc18-ce33	Geoenvironmental Engineering (Environmental Geotechnology); Landfills, Slurry Ponds & contaminated Sites	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	331	68	55	54	30
30	noc18-ce34	Remote Sensing and Digital Image Processing of Satellite Data	Civil Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	762	159	133	131	69
31	noc18-ce35	Photogeology In Terrain Evaluation (Part – 2)	Civil Engineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	94	16	15	15	6
32	noc18-ce38	Unsaturated Soil Mechanics	Civil Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	197	15	13	13	11
33	noc18-ce39	Introduction to Accounting and Finance for Civil Engineers	Civil Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	439	37	25	14	10
34	noc18-cs36	Data Base Management System	Computer science and engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	2993	585	519	494	321
35	noc18-cs39	Scalable Data Science	Computer science and engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	535	23	17	16	7
36	noc18-cs40	Introduction to Machine Learning	Computer science and engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	5159	1031	837	805	413
37	noc18-cs41	Deep Learning	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	2107	198	173	164	82
38	noc18-cs42	Software testing	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	635	69	65	60	39
39	noc18-cs43	Software Engineering	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1373	295	266	260	130
40	noc18-cs44	Cloud Computing	Computer science and engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	2404	465	392	383	270
41	noc18-cs45	Cloud Computing and Distributed Systems	Computer science and engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	1110	131	103	103	46
42	noc18-cs46	Introduction to Internet of Things	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	3591	875	783	779	393
43	noc18-cs51	Artificial Intelligence Search Methods for problem Solving	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1237	108	80	53	25
44	noc18-cs47	Blockchain Architecture Design and Use Cases	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1422	228	194	156	77
45	noc18-cs30	Switching Circuits and Logic Design	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1160	463	422	412	275
46	noc18-cs48	Hardware Modeling using Verilog	Computer science and engineering	8 Weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	816	150	124	118	71
47	noc18-cs49	Model Checking	Computer science and engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	56	4	4	4	2
48	noc18-cs50	Multi-Core Computer Architecture – Storage and Interconnects	Computer Science and Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	258	33	25	22	12
49	noc18-cs54	Embedded Systems-- Design Verification and Test	Computer Science and Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	558	50	40	35	20
50	noc18-cs55	Introduction to parallel Programming in Open MP	Computer Science and Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	381	31	18	12	7
51	noc18-cs56	Social Networks	Computer Science and Engineering	12 weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	598	75	67	61	30
52	noc18-ee15	Electrical Distribution System Analysis	Electrical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	797	125	108	96	77
53	noc18-ee17	Recent Advances in Transmission Insulators	Electrical Engineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	709	103	91	90	46
54	noc18-	Principles of Signal	Electrical	12 Weeks	30-Jul-	19-	28-Oct-	504	77	68	64	38

	ee21	Estimation for MIMO/ OFDM Wireless Communication	Engineering		2018	Oct-2018	2018							
55	noc18-ee24	Computational Electromagnetics & Applications	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	352	35	27	17			11
56	noc18-ee25	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	Electrical Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	764	145	132	130			89
57	noc18-ee29	Introduction to Wireless and Cellular Communications	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1034	178	152	146			63
58	noc18-ee35	Design of Photovoltaic Systems	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1340	330	289	273			198
59	noc18-ee36	Fabrication Techniques for MEMS-based sensors : clinical perspective	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	336	47	39	36			25
60	noc18-ee37	Op-Amp Practical Applications: Design, Simulation and Implementation	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	838	123	110	102			74
61	noc18-ee38	Physical Modelling for Electronics Enclosures using Rapid prototyping	Electrical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	64	3	3	3			1
62	noc18-ee39	Information Theory, Coding and Cryptography	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	382	30	24	23			10
63	noc18-ee49	An Introduction to information theory	Electrical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	427	34	28	24			12
64	noc18-ee40	Digital Image Processing	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	1945	565	522	520			291
65	noc18-ee42	Introduction to Smart Grid	Electrical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	1682	449	418	401			274
66	noc18-ee43	Advanced Topics in Probability and Random Processes	Electrical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	329	22	18	16			11
67	noc18-ee46	Nonlinear and Adaptive Control	Electrical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	348	33	27	6			2
68	noc18-ph16	Control System Design	Electrical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	671	31	20	17			3
69	noc18-hs27	Technical english for engineers	Humanities and Social Science	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	1436	317	298	298			180
70	noc18-hs30	Developing Soft Skills and Personality	Humanities and Social Science	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	2860	725	672	670			250
71	noc18-hs31	Introduction to Literary Theory	Humanities and Social Science	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	472	117	102	100			30
72	noc18-hs34	Applied linguistics	Humanities and Social Science	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	279	64	53	52			1
73	noc18-hs35	Introduction to Basic Spoken Sanskrit	Humanities and Social Science	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	477	48	42	42			22
74	noc18-hs38	Gender Justice and Workplace Security	Humanities and Social Science	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	257	80	72	72			16
75	noc18-hs39	Introduction to cultural studies	Humanities and Social Science	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	197	24	20	20			9
76	noc18-hs40	Introduction to Modern Indian Political Thought	Humanities and Social Science	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	114	18	17	17			8
77	noc18-hs41	Visual Perception and Art: A Survey Across the Cultures	Humanities and Social Science	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	92	10	8	8			6
78	noc18-hs42	Cognition, Transformation and Lives	Humanities and Social Science	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	204	45	38	38			19
79	noc18-hs43	Consumer Psychology	Humanities and Social Science	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	275	47	37	36			20
80	noc18-hs44	Educational Leadership	Humanities and Social Science	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	802	182	168	168			104

						2018						
81	noc18-hs45	Intellectual Property	Humanities and Social Science	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	551	113	93	92	41
82	noc18-mg21	Economic Growth and Development	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	223	39	30	30	16
83	noc18-mg23	Economics of Health and Health Care	Management	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	190	25	18	16	5
84	noc18-mg29	Leadership	Management	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	1577	336	300	297	81
85	noc18-mg30	Marketing Management-I	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	875	289	260	256	112
86	noc18-mg32	Selected Topics in Decision Modeling	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	48	2	2	2	1
87	noc18-mg33	Data Analysis and Decision Making - I	Management	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	420	44	27	25	16
88	noc18-mg34	Business Analytics & Data Mining Modeling Using R Part II	Management	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	498	65	56	53	34
89	noc18-mg35	E-Business	Management	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	364	60	54	53	28
90	noc18-mg36	Innovation, Business Models and Entrepreneurship	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	643	156	136	135	79
91	noc18-mg37	Simulation of Business Systems: An Applied Approach	Management	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	111	18	17	17	6
92	noc18-mg39	Total Quality Management - I	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	382	93	82	80	50
93	noc18-mg40	Working Capital Management	Management	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	524	154	145	142	63
94	noc18-mg41	Introduction to Operations Research	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	642	161	134	129	90
95	noc18-mg42	Industrial Safety Engineering	Management	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	166	32	28	28	19
96	noc18-mg43	Management of Inventory Systems	Management	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	120	21	17	17	6
97	noc18-mg44	Knowledge Management	Management	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	275	49	43	41	23
98	noc18-ma09	Integral Equations,calculus of variations and its applications	Mathematics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	359	38	37	34	15
99	noc18-ma10	Ordinary and Partial Differential Equations and Applications	Mathematics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	945	147	130	119	69
100	noc18-ma13	Matrix Solver	Mathematics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	270	47	43	43	25
101	noc18-ma16	Introduction to Abstract and Linear Algebra	Mathematics	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	1279	369	351	349	182
102	noc18-ma23	Regression analysis	Mathematics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	301	30	20	19	16
103	noc18-me42	RAC Product Design	Mechanical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	469	67	43	26	12
104	noc18-me43	Heat Exchangers: Fundamentals and Design Analysis	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	639	111	92	87	36
105	noc18-me44	Energy Conservation and Waste Heat Recovery	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	582	111	92	92	14
106	noc18-me53	Design for Quality, Manufacturing and Assembly	Mechanical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	441	54	45	38	25
107	noc18-me55	Mechanics of Human Movement	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	207	20	14	12	4
108	noc18-me58	Advanced Composites	Mechanical Engineering	12 weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	535	55	43	29	14

						2018						
109	noc18-me59	Manufacturing of Composites	Mechanical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	883	201	191	191	149
110	noc18-me60	Smart Materials and Intelligent System Design	Mechanical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	468	56	37	23	11
111	noc18-me62	Engineering Metrology	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	813	249	228	228	117
112	noc18-me63	Noise Management and Control	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	143	23	19	17	7
113	noc18-me65	Theory of Rectangular Plates-Part1	Mechanical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	103	11	6	5	4
114	noc18-me66	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Mechanical Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	225	57	47	46	25
115	noc18-me67	Surrogates and Approximations in Engineering Design	Mechanical Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	61	5	3	3	2
116	noc18-me69	Design Practice - II	Mechanical Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	410	51	43	42	27
117	noc18-me70	Introduction to Abrasive Machining and Finishing Processes	Mechanical Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	465	103	94	89	55
118	noc18-me71	Engineering fracture mechanics	Mechanical engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	282	35	27	18	11
119	noc18-me72	Experimental Stress Analysis-An Overview	Mechanical Engineering	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	548	59	47	36	8
120	noc18-mm10	Nature and Properties of Materials	Metallurgical & Materials Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	328	90	80	79	56
121	noc18-mm12	Advanced Materials and Processes	Metallurgical & Materials Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	259	29	27	26	16
122	noc18-mm13	Structural Analysis of Nanomaterials	Metallurgical & Materials Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	440	112	99	98	49
123	noc18-mm15	Analysis and Modeling of Welding	Metallurgical & Materials Engineering	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	190	27	23	21	11
124	noc18-mm16	Steel Quality : Role of Secondary Refining & Continuous Casting	Metallurgical & Materials Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	21	1	1	1	1
125	noc18-mm17	Phase field modelling: the materials science, mathematics and computational aspects	Metallurgical & Materials Engineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	47	5	3	3	0
126	noc18-mm18	Elementary Stereology for Quantitative Metallography	Metallurgical & Materials Engineering	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	27	3	2	2	2
127	noc18-mm20	Phase Equilibria in Materials (Nature & Properties of Materials-II)	Metallurgical & Materials Engineering	8 weeks	27-Aug-2018	19-Oct-2018	28-Oct-2018	151	26	23	18	10
128	noc18-ge11	Health Research Fundamentals	Multidisciplinary	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	767	240	204	200	77
129	noc18-ge12	Introduction to research	Multidisciplinary	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	2605	608	557	557	391
130	noc18-ge13	Neuroscience of Human Movement	Multidisciplinary	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	152	17	13	11	5
131	noc18-ge14	Non-Conventional Energy Resources	Multidisciplinary	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	729	229	203	203	117
132	noc18-ge15	Outcome Based Pedagogic Principles for Effective Teaching	Multidisciplinary	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	3414	1088	946	880	400
133	noc18-ge17	Symbolic Logic	Multidisciplinary	8 weeks	6-Aug-2018	28-Sep-2018	7-Oct-2018	81	11	7	7	7
134	noc18-ge18	Stress Management	Multidisciplinary	4 Weeks	13-Aug-2018	7-Sep-2018	7-Oct-2018	1649	474	437	434	223
135	noc18-bt23	Biology for engineers and other non-biologists	Multidisciplinary	4 Weeks	27-Aug-2018	21-Sep-2018	28-Oct-2018	330	47	38	38	24

					2018	2018						
136	noc18-oe04	HSE Practices for Offshore and Petroleum Industries	OceanEngineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	57	9	8	4	1
137	noc18-oe05	Structural Health Monitoring	OceanEngineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	115	16	11	10	5
138	noc18-oe06	Hydrostatics and Stability	OceanEngineering	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	28	3	3	3	3
139	noc18-ph10	Introduction to Non-linear Optics and its Applications	Physics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	213	16	13	10	7
140	noc18-ph11	Theory of groups for physics applications	Physics	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	111	14	11	8	7
141	noc18-de05	Science of Clothing Comfort	Textile Technology	12 Weeks	30-Jul-2018	19-Oct-2018	28-Oct-2018	168	51	45	42	26

Sheet 2: Sheet2

Course Name	Course ID	Discipline	Duration	AICTE APPROVED COURSE?	Number of Faculty Enrolled	Number of Faculty registered	Number of Faculty Present	Number of Faculty Passed	Number of Faculty applied for FDP certificate
Fundamentals of Combustion (Part 2)	noc18-ae04	Aerospace Engineering	8 weeks	Yes	150	7	5	5	5
Engineering Thermodynamics	noc18-ae05	Aerospace Engineering	12 Weeks	No	319	35	31	27	4
Aircraft Stability and Control	noc18-ae06	Aerospace Engineering	12 Weeks	No	112	6	2	2	0
Design of fixed wing Unmanned Aerial Vehicles	noc18-ae07	Aerospace Engineering	8 weeks	Yes	188	32	24	12	8
Introduction to Finite Volume Methods I	noc18-ae08	Aerospace Engineering	8 weeks	No	155	7	6	6	0
Farm Machinery	noc18-ar05	Agriculture Engineering	12 Weeks	No	145	6	6	5	0
Organic Farming for Sustainable Agricultural Production	noc18-ar06	Agriculture Engineering	8 weeks	No	287	54	44	44	0
Irrigation and Drainage	noc18-ar07	Agriculture Engineering	12 Weeks	No	87	8	8	8	0
Fundamentals of Food Process Engineering	noc18-ar08	Agriculture Engineering	12 Weeks	No	112	10	5	5	0
Soil and Water Conservation Engineering	noc18-ar09	Agriculture Engineering	12 Weeks	No	96	9	6	5	0
Dairy and Food process and products technology	noc18-ar10	Agriculture Engineering	12 Weeks	Yes	287	62	56	56	26
Architectural Acoustics	noc18-ar11	Architecture	8 weeks	No	235	22	12	10	0
Landscape Architecture and Site Planning - Basic Fundamentals	noc18-ar12	Architecture	8 weeks	No	333	49	38	37	0
Culturally Responsive Built Environments	noc18-ar13	Architecture	8 weeks	No	251	52	39	39	0
Contemporary Architecture and Design	noc18-ar14	Architecture	8 weeks	Yes	277	58	45	45	16
Role of Craft and Technology in Interior - Architecture	noc18-ar15	Architecture	8 weeks	No	180	29	23	23	0
Bioengineering: An Interface with Biology and Medicine	noc18-bt16	Biotechnology & Bioengineering	8 weeks	No	170	18	14	14	0
Biomicofluidics	noc18-bt17	Biotechnology & Bioengineering	4 Weeks	Yes	125	12	6	6	5
Biomedical nanotechnology	noc18-bt18	Biotechnology & Bioengineering	4 Weeks	Yes	624	153	129	129	45
Industrial Biotechnology	noc18-bt19	Biotechnology & Bioengineering	12 Weeks	No	164	24	22	21	0
Biostatistics and design of experiments	noc18-bt20	Biotechnology & Bioengineering	8 weeks	No	427	57	35	28	0
Introduction to Biostatistics	noc18-bt21	Biotechnology & Bioengineering	8 weeks	No	291	38	24	23	0
Computational Systems Biology	noc18-bt22	Biotechnology & Bioengineering	12 Weeks	Yes	119	4	2	1	1
Biology for engineers and other non-biologists	noc18-bt23	Multidisciplinary	4 Weeks	Yes	330	47	38	38	24
Introduction to Mechanobiology	noc18-bt24	Biotechnology & Bioengineering	8 weeks	No	40	1	1	1	0

Nanotechnology in Agriculture	noc18-bt25	Biotechnology & Bioengineering	8 weeks	Yes	360	88	78	78	44
WildLife Conservation	noc18-bt26	Biotechnology & Bioengineering	8 weeks	Yes	241	54	49	48	17
Functional Genomics	noc18-bt27	Biotechnology & Bioengineering	4 Weeks	Yes	255	60	46	46	20
Computer Aided Drug Design	noc18-bt28	Biotechnology & Bioengineering	8 weeks	Yes	445	120	84	62	37
Introduction To Proteomics	noc18-bt30	Biotechnology & Bioengineering	8 weeks	No	126	16	11	10	0
Interactomics	noc18-bt31	Biotechnology & Bioengineering	8 weeks	No	32	3	3	3	0
Principles of Construction Management	noc18-ce15	Civil Engineering	8 weeks	No	394	40	33	28	0
Foundation Engineering	noc18-ce16	Civil Engineering	12 Weeks	No	540	77	68	64	0
Strength of Materials	noc18-ce17	Civil Engineering	12 Weeks	No	1300	191	170	158	0
Theory of Elasticity	noc18-ce18	Civil Engineering	12 Weeks	Yes	317	39	32	32	19
Matrix Method of Structural Analysis	noc18-ce19	Civil Engineering	8 weeks	No	526	42	37	35	0
Concrete Technology	noc18-ce20	Civil Engineering	12 Weeks	No	989	138	128	102	0
Advanced Concrete Technology	noc18-ce21	Civil Engineering	12 Weeks	Yes	1334	265	232	156	83
Reinforced Concrete Road Bridges	noc18-ce23	Civil Engineering	4 Weeks	Yes	776	126	105	97	43
Design of Reinforced Concrete Structures	noc18-ce24	Civil Engineering	12 Weeks	No	1125	196	175	172	0
Integrated Waste Management for a Smart City	noc18-ce25	Civil Engineering	12 Weeks	No	459	79	74	74	0
Wastewater Treatment and Recycling	noc18-ce26	Civil Engineering	12 Weeks	Yes	860	223	200	194	101
Glass in buildings : Design and applications	noc18-ce27	Civil Engineering	12 Weeks	Yes	224	29	25	24	10
Project planning and control	noc18-ce28	Civil Engineering	8 weeks	No	342	22	21	19	0
Environmental Engineering-Chemical Processes	noc18-ce29	Civil Engineering	12 Weeks	No	163	4	3	3	0
Fire Protection, Services and Maintenance Management of Building	noc18-ce30	Civil Engineering	12 Weeks	Yes	252	22	16	12	5
Geosynthetics Testing Laboratory	noc18-ce31	Civil Engineering	4 Weeks	Yes	317	59	54	53	21
Geotechnical Engineering Laboratory	noc18-ce32	Civil Engineering	4 Weeks	No	896	151	133	133	0
Geoenvironmental Engineering (Environmental Geotechnology); Landfills, Slury Ponds & contaminated Sites	noc18-ce33	Civil Engineering	12 Weeks	Yes	331	68	55	54	30
Remote Sensing and Digital Image Processing of Satellite Data	noc18-ce34	Civil Engineering	8 weeks	Yes	762	159	133	131	69
Photogeology In Terrain Evaluation (Part – 2)	noc18-ce35	Civil Engineering	4 Weeks	Yes	94	16	15	15	6
Higher Surveying	noc18-ce37	Civil Engineering	12 Weeks	No	219	9	5	2	0
Unsaturated Soil Mechanics	noc18-ce38	Civil Engineering	12 Weeks	Yes	197	15	13	13	11
Introduction to Accounting and Finance for Civil Engineers	noc18-ce39	Civil Engineering	8 weeks	Yes	439	37	25	14	10
Phase Equilibrium Thermodynamics	noc18-ch20	Chemical Engineering	8 weeks	No	90	16	16	16	0
Optimization in Chemical Engineering	noc18-ch21	Chemical Engineering	12 Weeks	Yes	127	12	10	8	3
Heat Transfer	noc18-ch22	Chemical Engineering	12 Weeks	No	239	29	25	25	0
Unit operations of particulate matter	noc18-ch23	Chemical Engineering	4 Weeks	No	121	22	14	11	0
Infrared spectroscopy for pollution monitoring	noc18-ch24	Chemical Engineering	4 Weeks	Yes	266	65	52	52	36
Natural Gas Engineering	noc18-ch25	Chemical Engineering	8 weeks	Yes	108	23	18	17	6
Introduction to Polymer Physics-IITG	noc18-ch26	Chemical Engineering	8 weeks	Yes	49	4	3	2	2
Computer Architecture	noc18-cs29	Computer science and engineering	12 Weeks	No	709	70	63	62	0
Switching Circuits and Logic Design	noc18-cs30	Computer science and engineering	12 Weeks	Yes	1160	463	422	412	275

Problem Solving through Programming in C	noc18-cs31	Computer science and engineering	12 Weeks	No	1368	262	236	232	0
Programming in C++	noc18-cs32	Computer science and engineering	8 weeks	No	1408	170	145	124	0
Introduction to Programming in C	noc18-cs33	Computer science and engineering	8 weeks	No	3263	395	325	281	0
Programming, data structures and algorithms using Python	noc18-cs34	Computer science and engineering	8 weeks	No	2416	278	207	167	0
The Joy of Computing using Python	noc18-cs35	Computer science and engineering	12 Weeks	No	2515	341	299	299	0
Data Base Management System	noc18-cs36	Computer science and engineering	8 weeks	Yes	2993	585	519	494	321
Design and analysis of algorithms	noc18-cs37	Computer science and engineering	8 weeks	No	1206	112	83	75	0
Computer Networks and Internet Protocol	noc18-cs38	Computer science and engineering	12 Weeks	No	2215	356	308	251	0
Scalable Data Science	noc18-cs39	Computer science and engineering	8 weeks	Yes	535	23	17	16	7
Introduction to Machine Learning	noc18-cs40	Computer science and engineering	8 weeks	Yes	5159	1031	837	805	413
Deep Learning	noc18-cs41	Computer science and engineering	12 Weeks	Yes	2107	198	173	164	82
Software testing	noc18-cs42	Computer science and engineering	12 Weeks	Yes	635	69	65	60	39
Software Engineering	noc18-cs43	Computer science and engineering	12 Weeks	Yes	1373	295	266	260	130
Cloud Computing	noc18-cs44	Computer science and engineering	8 weeks	Yes	2404	465	392	383	270
Cloud Computing and Distributed Systems	noc18-cs45	Computer science and engineering	8 weeks	Yes	1110	131	103	103	46
Introduction to Internet of Things	noc18-cs46	Computer science and engineering	12 Weeks	Yes	3591	875	783	779	393
Blockchain Architecture Design and Use Cases	noc18-cs47	Computer science and engineering	12 Weeks	Yes	1422	228	194	156	77
Hardware Modeling using Verilog	noc18-cs48	Computer science and engineering	8 Weeks	Yes	816	150	124	118	71
Model Checking	noc18-cs49	Computer science and engineering	12 Weeks	Yes	56	4	4	4	0
Multi-Core Computer Architecture – Storage and Interconnects	noc18-cs50	Computer Science and Engineering	8 weeks	Yes	258	33	25	22	12
Artificial Intelligence Search Methods for problem Solving	noc18-cs51	Computer science and engineering	12 Weeks	Yes	1237	108	80	53	25
Introduction to R Software	noc18-cs52	Computer science and engineering	8 weeks	No	2029	343	314	314	0
Discrete Mathematics	noc18-cs53	Computer Science and Engineering	12 Weeks	No	962	161	148	148	0
Embedded Systems-- Design Verification and Test	noc18-cs54	Computer Science and Engineering	12 Weeks	Yes	558	50	40	35	20
Introduction to parallel Programming in Open MP	noc18-cs55	Computer Science and Engineering	4 Weeks	Yes	381	31	18	12	7
Social Networks	noc18-cs56	Computer Science and Engineering	12 weeks	Yes	598	75	67	61	30
Molecules in Motion	noc18-cy10	Chemistry	8 weeks	No	55	1	1	1	0
Stereochemistry	noc18-cy11	Chemistry	8 weeks	No	277	51	44	43	0
Coordination Chemistry	noc18-cy12	Chemistry	12 Weeks	No	331	48	43	40	0
Computational Chemistry and Classical Molecular Dynamics	noc18-cy13	Chemistry	8 weeks	Yes	168	15	8	7	4
Inorganic Chemistry of Life: Principles and Perspectives	noc18-cy14	Chemistry	12 Weeks	Yes	152	17	11	10	7
Pericyclic Reactions and Organic Photochemistry	noc18-cy16	Chemistry	8 weeks	No	277	26	14	8	0
Analytical Chemistry	noc18-cy17	Chemistry	12 Weeks	No	367	79	70	69	0
Chemical Crystallography	noc18-cy18	Chemistry	12 Weeks	Yes	147	27	21	21	9
Chemistry: Atomic Structure and Chemical Bonding	noc18-cy19	Chemistry	12 Weeks	Yes	377	32	27	18	6
Advanced Chemical Thermodynamics and Kinetics	noc18-cy20	Chemistry	12 Weeks	Yes	184	7	7	3	1
System Design for Sustainability	noc18-de01	Design Engineering	12 Weeks	No	55	4	3	3	0
Product Design and Innovation	noc18-de02	Design Engineering	4 Weeks	No	406	60	54	52	0
Interaction Design	noc18-de03	Design Engineering	4 Weeks	No	75	9	6	6	0

Yarn manufacture I : Principle of Carding and Drawing	noc18-de04	Textile Technology	8 weeks	No	67	16	16	12	0
Science of Clothing Comfort	noc18-de05	Textile Technology	12 Weeks	Yes	168	51	45	42	26
Fundamentals of Electrical Engineering	noc18-ee14	Electrical Engineering	12 Weeks	No	1838	439	390	366	0
Electrical Distribution System Analysis	noc18-ee15	Electrical Engineering	8 weeks	Yes	797	125	108	96	77
Power System Analysis	noc18-ee16	Electrical Engineering	12 Weeks	No	793	98	87	84	0
Recent Advances in Transmission Insulators	noc18-ee17	Electrical Engineering	4 Weeks	Yes	709	103	91	90	46
Basic Electrical Circuits	noc18-ee18	Electrical Engineering	12 Weeks	No	1815	183	128	65	0
Analog circuits	noc18-ee19	Electrical Engineering	12 Weeks	No	468	9	6	1	0
Control engineering	noc18-ee20	Electrical Engineering	12 Weeks	No	954	122	98	85	0
Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	noc18-ee21	Electrical Engineering	12 Weeks	Yes	504	77	68	64	38
Microwave Theory and Techniques	noc18-ee22	Electrical Engineering	12 Weeks	No	588	120	102	100	0
Analysis and Design Principles of Microwave Antennas	noc18-ee23	Electrical Engineering	8 weeks	No	664	54	44	33	0
Computational Electromagnetics & Applications	noc18-ee24	Electrical Engineering	12 Weeks	Yes	352	35	27	17	11
Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	noc18-ee25	Electrical Engineering	8 weeks	Yes	764	145	132	130	89
Analog Communication	noc18-ee26	Electrical Engineering	12 Weeks	No	930	79	73	70	0
Principles of Digital Communications	noc18-ee27	Electrical Engineering	12 Weeks	No	656	36	23	7	0
Fiber-Optic Communication Systems and Techniques	noc18-ee28	Electrical Engineering	12 Weeks	No	478	48	42	34	0
Introduction to Wireless and Cellular Communications	noc18-ee29	Electrical Engineering	12 Weeks	Yes	1034	178	152	146	63
Discrete Time Signal Processing	noc18-ee30	Electrical Engineering	8 weeks	No	1085	194	167	155	0
Applied Optimization for Wireless, Machine Learning, Big Data	noc18-ee31	Electrical Engineering	12 Weeks	No	533	25	16	15	0
Semiconductor Devices and Circuits	noc18-ee32	Electrical Engineering	12 Weeks	No	1282	80	65	53	0
Digital Circuits	noc18-ee33	Electrical Engineering	12 Weeks	No	3412	1051	970	961	0
Architectural Design of Digital Integrated Circuits	noc18-ee34	Electrical Engineering	8 weeks	No	461	46	36	35	0
Design of Photovoltaic Systems	noc18-ee35	Electrical Engineering	12 Weeks	Yes	1340	330	289	273	198
Fabrication Techniques for MEMs-based sensors : clinical perspective	noc18-ee36	Electrical Engineering	12 Weeks	Yes	336	47	39	36	25
Op-Amp Practical Applications: Design, Simulation and Implementation	noc18-ee37	Electrical Engineering	12 Weeks	Yes	838	123	110	102	74
Physical Modelling for Electronics Enclosures using Rapid prototyping	noc18-ee38	Electrical Engineering	8 weeks	Yes	64	3	3	3	1
Information Theory, Coding and Cryptography	noc18-ee39	Electrical Engineering	12 Weeks	Yes	382	30	24	23	10
Digital Image Processing	noc18-ee40	Electrical Engineering	12 Weeks	Yes	1945	565	522	520	291
Control systems	noc18-ee41	Design Engineering	12 Weeks	No	486	74	67	58	0
Introduction to Smart Grid	noc18-ee42	Electrical Engineering	8 weeks	Yes	1682	449	418	401	274
Advanced Topics in Probability and Random Processes	noc18-ee43	Electrical Engineering	8 weeks	Yes	329	22	18	16	11
Facts Devices	noc18-ee44	Electrical Engineering	8 weeks	No	658	26	22	4	0
Analog Electronic Circuit	noc18-ee45	Electrical Engineering	12 Weeks	No	878	14	4	3	0
Nonlinear and Adaptive Control	noc18-ee46	Electrical Engineering	4 Weeks	Yes	348	33	27	6	2
Microwave Integrated Circuits	noc18-ee47	Electrical Engineering	8 weeks	No	352	25	19	18	0
An Introduction to information theory	noc18-ee49	Electrical Engineering	8 weeks	Yes	427	34	28	24	12

Manage TB	noc18-ge10	Multidisciplinary	8 weeks	No	539	149	113	113	0
Health Research Fundamentals	noc18-ge11	Multidisciplinary	8 weeks	Yes	767	240	204	200	77
Introduction to research	noc18-ge12	Multidisciplinary	8 weeks	Yes	2605	608	557	557	391
Neuroscience of Human Movement	noc18-ge13	Multidisciplinary	12 Weeks	Yes	152	17	13	11	5
Non-Conventional Energy Resources	noc18-ge14	Multidisciplinary	12 Weeks	Yes	729	229	203	203	117
Outcome Based Pedagogic Principles for Effective Teaching	noc18-ge15	Multidisciplinary	4 Weeks	Yes	3414	1088	946	880	400
Ecology and Environment	noc18-ge16	Multidisciplinary	8 weeks	No	485	90	75	73	0
Symbolic Logic	noc18-ge17	Multidisciplinary	8 weeks	Yes	81	11	7	7	7
Stress Management	noc18-ge18	Multidisciplinary	4 Weeks	Yes	1649	474	437	434	223
Technical english for engineers	noc18-hs27	Humanities and Social Science	8 weeks	Yes	1436	317	298	298	180
English Language for Competitive Exams	noc18-hs28	Humanities and Social Science	12 Weeks	No	958	71	62	62	0
Soft skills	noc18-hs29	Humanities and Social Science	12 Weeks	No	956	185	169	169	0
Developing Soft Skills and Personality	noc18-hs30	Humanities and Social Science	8 weeks	Yes	2860	725	672	670	250
Introduction to Literary Theory	noc18-hs31	Humanities and Social Science	8 weeks	Yes	472	117	102	100	30
History of English Language and Literature	noc18-hs32	Humanities and Social Science	12 Weeks	No	395	49	33	33	0
Indian Fiction in English	noc18-hs33	Humanities and Social Science	12 Weeks	No	267	28	25	20	0
Applied linguistics	noc18-hs34	Humanities and Social Science	12 Weeks	Yes	279	64	53	52	1
Introduction to Basic Spoken Sanskrit	noc18-hs35	Humanities and Social Science	4 Weeks	Yes	477	48	42	42	22
Water, Society and Sustainability	noc18-hs36	Humanities and Social Science	4 Weeks	No	235	20	16	16	0
Development of Sociology in India	noc18-hs37	Humanities and Social Science	4 Weeks	No	97	5	5	5	0
Gender Justice and Workplace Security	noc18-hs38	Humanities and Social Science	4 Weeks	Yes	257	80	72	72	16
Introduction to cultural studies	noc18-hs39	Humanities and Social Science	12 Weeks	Yes	197	24	20	20	9
Introduction to Modern Indian Political Thought	noc18-hs40	Humanities and Social Science	12 Weeks	Yes	114	18	17	17	8
Visual Perception and Art: A Survey Across the Cultures	noc18-hs41	Humanities and Social Science	4 Weeks	Yes	92	10	8	8	6
Cognition, Transformation and Lives	noc18-hs42	Humanities and Social Science	4 Weeks	Yes	204	45	38	38	19
Consumer Psychology	noc18-hs43	Humanities and Social Science	8 weeks	Yes	275	47	37	36	20
Educational Leadership	noc18-hs44	Humanities and Social Science	8 weeks	Yes	802	182	168	168	104
Intellectual Property	noc18-hs45	Humanities and Social Science	12 Weeks	Yes	551	113	93	92	41
Short Fiction in Indian Literature	noc18-hs46	Humanities and Social Science	12 Weeks	No	122	17	14	14	0
Introduction to probability and Statistics	noc18-ma07	Mathematics	4 Weeks	No	1007	173	137	114	0
Calculus of One Real Variable	noc18-ma08	Mathematics	8 weeks	No	441	61	56	55	0
Integral Equations, calculus of variations and its applications	noc18-ma09	Mathematics	12 Weeks	Yes	359	38	37	34	15
Ordinary and Partial Differential Equations and Applications	noc18-ma10	Mathematics	12 Weeks	Yes	945	147	130	119	69
Numerical methods	noc18-ma11	Mathematics	8 weeks	No	854	108	97	96	0
Transform Techniques for Engineers	noc18-ma12	Mathematics	12 Weeks	No	370	52	43	43	0
Matrix Solver	noc18-ma13	Mathematics	12 Weeks	Yes	270	47	43	43	25
Matrix Analysis with Applications	noc18-ma14	Mathematics	8 weeks	No	510	68	53	53	0
Introduction to Abstract Group Theory	noc18-ma15	Mathematics	8 weeks	No	378	41	35	35	0
Introduction to Abstract and Linear Algebra	noc18-ma16	Mathematics	8 weeks	Yes	1279	369	351	349	182

Measure Theory	noc18- ma17	Mathematics	12 Weeks	No	101	1	1	1	0
Mathematical Modelling: Analysis and Applications	noc18- ma18	Mathematics	4 Weeks	No	519	24	16	16	0
Introduction to Probability Theory and Stochastic Processes	noc18- ma19	Mathematics	12 Weeks	No	258	18	16	10	0
Nonlinear Programming	noc18- ma20	Mathematics	4 Weeks	No	189	8	2	1	0
Statistical Inference	noc18- ma22	Mathematics	8 weeks	No	196	6	5	3	0
Regression analysis	noc18- ma23	Mathematics	12 Weeks	Yes	301	30	20	19	16
RAC Product Design	noc18- me42	Mechanical Engineering	4 Weeks	Yes	469	67	43	26	12
Heat Exchangers: Fundamentals and Design Analysis	noc18- me43	Mechanical Engineering	12 Weeks	Yes	639	111	92	87	36
Energy Conservation and Waste Heat Recovery	noc18- me44	Mechanical Engineering	12 Weeks	Yes	582	111	92	92	14
Laws of Thermodynamics	noc18- me45	Mechanical Engineering	4 Weeks	No	1743	298	249	237	0
Refrigeration And Air-conditioner	noc18- me46	Mechanical Engineering	8 weeks	No	730	114	104	101	0
Fluid dynamics and turbomachines	noc18- me47	Mechanical Engineering	8 weeks	No	544	52	42	25	0
Computational Fluid Mechanics	noc18- me48	Mechanical Engineering	12 Weeks	No	802	71	47	33	0
Principles of Metal Forming Technology	noc18- me49	Mechanical Engineering	8 weeks	No	258	35	32	32	0
Principles of Casting Technology	noc18- me50	Mechanical Engineering	8 weeks	No	383	64	58	58	0
Fundamentals of manufacturing processes	noc18- me51	Mechanical Engineering	12 Weeks	No	925	207	179	171	0
Manufacturing Systems Technology I & II	noc18- me52	Mechanical Engineering	12 Weeks	No	360	44	40	37	0
Design for Quality, Manufacturing and Assembly	noc18- me53	Mechanical Engineering	8 weeks	Yes	441	54	45	38	25
Mechanics of Human Movement	noc18- me55	Mechanical Engineering	12 Weeks	Yes	207	20	14	12	4
Mechanics of Machining	noc18- me56	Mechanical Engineering	8 weeks	No	360	37	27	20	0
Processing of Polymers and Polymer Composites	noc18- me57	Mechanical Engineering	8 weeks	No	206	47	43	41	0
Advanced Composites	noc18- me58	Mechanical Engineering	12 weeks	Yes	535	55	43	29	14
Manufacturing of Composites	noc18- me59	Mechanical Engineering	8 weeks	Yes	883	201	191	191	149
Smart Materials and Intelligent System Design	noc18- me60	Mechanical Engineering	4 Weeks	Yes	468	56	37	23	11
Robotics	noc18- me61	Mechanical Engineering	8 weeks	No	715	125	104	103	0
Engineering Metrology	noc18- me62	Mechanical Engineering	12 Weeks	Yes	813	249	228	228	117
Noise Management and Control	noc18- me63	Mechanical Engineering	12 Weeks	Yes	143	23	19	17	7
Principle of Hydraulic Machines and System Design	noc18- me64	Mechanical Engineering	8 weeks	No	246	21	19	16	0
Theory of Rectangular Plates-Part1	noc18- me65	Mechanical Engineering	4 Weeks	Yes	103	11	6	5	4
Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	noc18- me66	Mechanical Engineering	12 Weeks	Yes	225	57	47	46	25
Surrogates and Approximations in Engineering Design	noc18- me67	Mechanical Engineering	4 Weeks	Yes	61	5	3	3	2
Work System Design	noc18- me68	Mechanical Engineering	12 Weeks	No	124	17	15	15	0
Design Practice - II	noc18- me69	Mechanical Engineering	8 weeks	Yes	410	51	43	42	27
Introduction to Abrasive Machining and Finishing Processes	noc18- me70	Mechanical Engineering	8 weeks	Yes	465	103	94	89	55
Engineering fracture mechanics	noc18- me71	Mechanical engineering	12 Weeks	Yes	282	35	27	18	11
Experimental Stress Analysis-An Overview	noc18- me72	Mechanical Engineering	4 Weeks	Yes	548	59	47	36	8
Economic Growth and Development	noc18- mg21	Management	8 weeks	Yes	223	39	30	30	16
Microeconomics: Theory &	noc18-	Management	12 Weeks	No	173	11	9	9	0

Applications	mg22								
Economics of Health and Health Care	noc18-mg23	Management	8 weeks	Yes	190	25	18	16	5
Engineering Econometrics	noc18-mg24	Management	12 Weeks	No	71	10	8	8	0
Ethics in Engineering Practice	noc18-mg25	Management	8 weeks	No	312	56	52	52	0
Human Resource Development	noc18-mg26	Management	12 Weeks	No	534	85	77	73	0
Corporate Social Responsibility	noc18-mg27	Management	8 weeks	No	303	47	43	43	0
Project management for managers	noc18-mg28	Management	12 Weeks	No	174	27	26	26	0
Leadership	noc18-mg29	Management	4 Weeks	Yes	1577	336	300	297	81
Marketing Management-I	noc18-mg30	Management	8 weeks	Yes	875	289	260	256	112
Marketing research and analysis	noc18-mg31	Management	8 weeks	No	545	141	123	121	0
Selected Topics in Decision Modeling	noc18-mg32	Management	8 weeks	Yes	48	2	2	2	1
Data Analysis and Decision Making - I	noc18-mg33	Management	12 Weeks	Yes	420	44	27	25	16
Business Analytics & Data Mining Modeling Using R Part II	noc18-mg34	Management	4 Weeks	Yes	498	65	56	53	34
E-Business	noc18-mg35	Management	12 Weeks	Yes	364	60	54	53	28
Innovation, Business Models and Entrepreneurship	noc18-mg36	Management	8 weeks	Yes	643	156	136	135	79
Simulation of Business Systems: An Applied Approach	noc18-mg37	Management	8 weeks	Yes	111	18	17	17	6
Sustainability through Green Manufacturing Systems: An Applied Approach	noc18-mg38	Management	8 weeks	No	89	12	11	11	0
Total Quality Management - I	noc18-mg39	Management	8 weeks	Yes	382	93	82	80	50
Working Capital Management	noc18-mg40	Management	12 Weeks	Yes	524	154	145	142	63
Introduction to Operations Research	noc18-mg41	Management	8 weeks	Yes	642	161	134	129	90
Industrial Safety Engineering	noc18-mg42	Management	12 Weeks	Yes	166	32	28	28	19
Management of Inventory Systems	noc18-mg43	Management	12 Weeks	Yes	120	21	17	17	6
Knowledge Management	noc18-mg44	Management	8 weeks	Yes	275	49	43	41	23
Nature and Properties of Materials	noc18-mm10	Metallurgical & Materials Engineering	8 weeks	Yes	328	90	80	79	56
Defects in Crystalline Solids (Part-I)	noc18-mm11	Metallurgical & Materials Engineering	8 weeks	No	95	11	8	6	0
Advanced Materials and Processes	noc18-mm12	Metallurgical & Materials Engineering	12 Weeks	Yes	259	29	27	26	16
Structural Analysis of Nanomaterials	noc18-mm13	Metallurgical & Materials Engineering	4 Weeks	Yes	440	112	99	98	49
Corrosion - Part I	noc18-mm14	Metallurgical & Materials Engineering	8 weeks	No	197	26	23	19	0
Analysis and Modeling of Welding	noc18-mm15	Metallurgical & Materials Engineering	8 weeks	Yes	190	27	23	21	11
Steel Quality : Role of Secondary Refining & Continuous Casting	noc18-mm16	Metallurgical & Materials Engineering	12 Weeks	Yes	21	1	1	1	1
Phase field modelling: the materials science, mathematics and computational aspects	noc18-mm17	Metallurgical & Materials Engineering	12 Weeks	Yes	47	5	3	3	0
Elementary Stereology for Quantitative Metallography	noc18-mm18	Metallurgical & Materials Engineering	4 Weeks	Yes	27	3	2	2	2
Drilling and Blasting Technology	noc18-mm19	Mining Engineering	8 weeks	No	31	2	2	2	0
Phase Equilibria in Materials (Nature & Properties of Materials-II)	noc18-mm20	Metallurgical & Materials Engineering	8 weeks	Yes	151	26	23	18	10
Welding of Advanced High Strength Steels for Automotive Applications.	noc18-mm21	Metallurgical & Materials Engineering	4 weeks	No	204	25	16	14	0
HSE Practices for Offshore and Petroleum Industries	noc18-oe04	OceanEngineering	12 Weeks	Yes	57	9	8	4	1
Structural Health Monitoring	noc18-oe05	OceanEngineering	12 Weeks	Yes	115	16	11	10	0
Hydrostatics and Stability	noc18-	OceanEngineering	12 Weeks	Yes	28	3	3	3	3

	oe06								
Introduction to Electromagnetic Theory	noc18-ph07	Physics	8 weeks	No	664	63	42	23	0
Solid State Physics	noc18-ph08	Physics	12 Weeks	No	566	138	127	123	0
Modern Optics	noc18-ph09	Physics	12 Weeks	No	143	3	2	1	0
Introduction to Non-linear Optics and its Applications	noc18-ph10	Physics	12 Weeks	Yes	213	16	13	10	7
Theory of groups for physics applications	noc18-ph11	Physics	12 Weeks	Yes	111	14	11	8	7
Introduction to Polymer Physics-IITR	noc18-ph13	Chemical Engineering	12 Weeks	Yes	38	4	3	3	1
Advanced Quantum Mechanics with Applications	noc18-ph14	Physics	8 weeks	No	322	8	2	2	0
Upstream LNG Technology	noc18-ph15	Chemical Engineering	12 Weeks	No	17	1	1	1	0
Control System Design	noc18-ph16	Electrical Engineering	12 Weeks	Yes	671	31	20	17	3
Material and Energy Balances	noc18-bt29	Biotechnology & Bioengineering	12 Weeks	No	55	1	0	0	0
Modern Construction materials	noc18-ce22	Civil Engineering	12 Weeks	No	362	19	0	0	0
Fluid Inclusion in Mineral Principles, Methodology, Practice and Application	noc18-ce36	Civil Engineering	8 weeks	No	48	0	0	0	0
Glass Processing Technology	noc18-ce41	Civil Engineering	12 Weeks	No	48	0	0	0	0
Design and pedagogy of the introductory programming course	noc18-cs57	Computer Science and Engineering	4 Weeks	No	562	55	0	0	0
Symmetry and Group Theory	noc18-cy15	Chemistry	12 Weeks	No	125	4	0	0	0
Groups : Motion, symmetry and puzzles	noc18-ma21	Mathematics	4 Weeks	No	127	6	0	0	0
Grand Total					158226	27429	23643	22297	7750