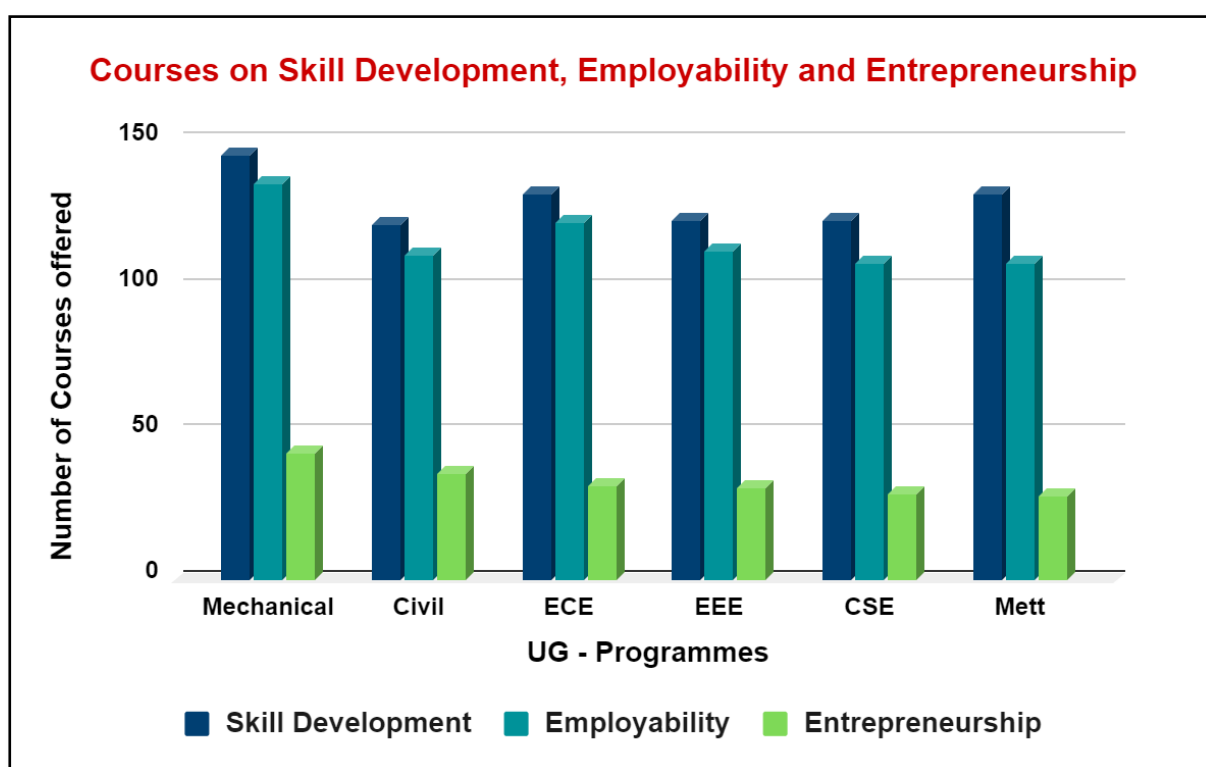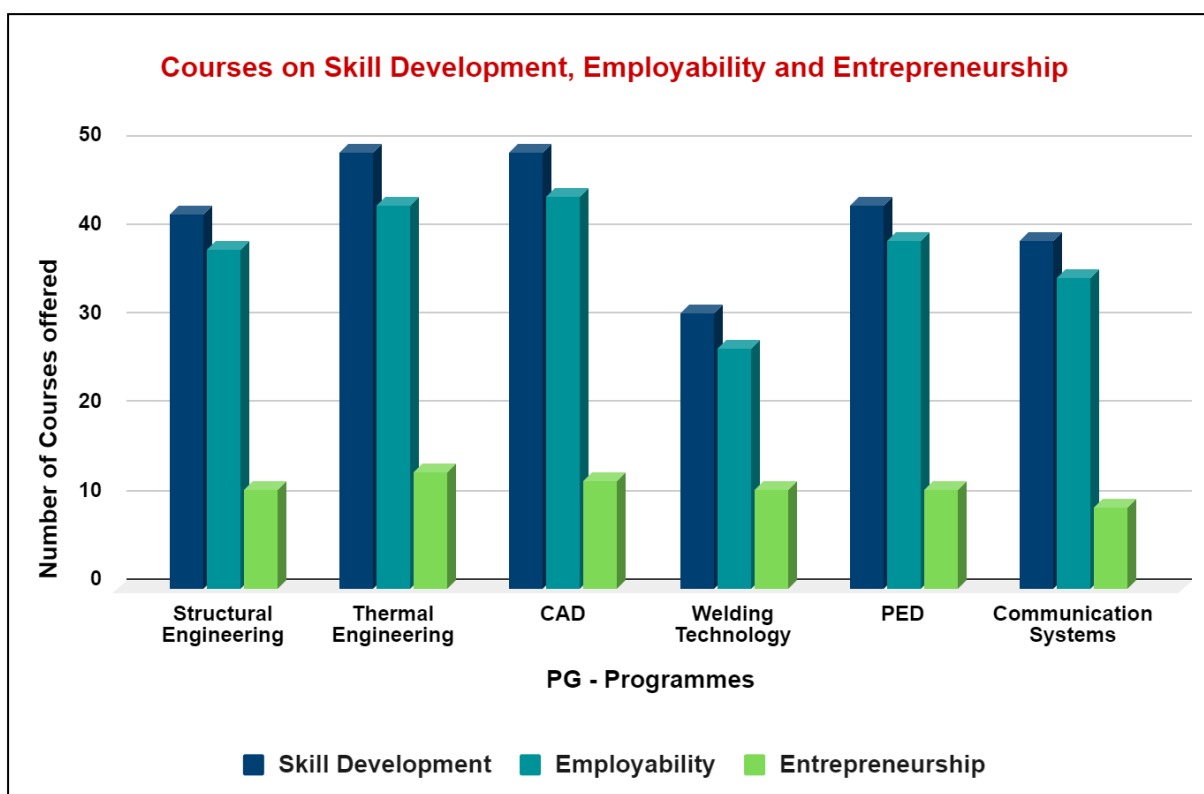**1.1.2 The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements.**

S.No	UG Programmes	Number of Courses offered in		
		Skill Development	Employability	Entrepreneurship
1	Mechanical	145	135	43
2	Civil	121	111	36
3	ECE	132	122	32
4	EEE	123	112	31
5	CSE	123	108	29
6	Mett	132	108	28

Courses on Skill Development, Employability and Entrepreneurship

S.No	PG Programmes	Number of Courses offered in		
		Skill Development	Employability	Entrepreneurship
1	Structural Engineering	42	38	11
2	Thermal Engineering	49	43	13
3	CAD	49	44	12
4	Welding Technology	31	27	11
5	PED	43	39	11
6	Communication Systems	39	35	9

Courses on Skill Development, Employability and Entrepreneurship

List of courses offered in Skill development/Employment/ Entrepreneurship

1. UG Programmes:

S.No	Course Code	Course Name	Course on Skill Development/Employability/ Entrepreneurship
Department of Mechanical Engineering			
1	22MC101	Induction Program	Skill Development
2	22MA101	Matrices, Calculus and Ordinary Differential Equation	Skill Development
3	22CY101	Engineering Chemistry	Skill Development
4	22EE101	Basics Electrical and Electronics Engineering	Skill Development
5	22ME101	Engineering Graphics and Design	Skill Development
6	22CS101	Problem Solving and C Programming	Skill Development
7	22MC102	Heritage of Tamil	Skill Development
8	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
9	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
10	22CY102	Chemistry laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
11	22EE102	Basics Electrical and Electronics Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
12	22EN101	Communicative English(Theory cum Practical)	Skill Development
13	22MA201	Partial Differential Equation, Vector Calculus and Complex Variables	Skill Development
14	22PH101	Engineering Physics	Skill Development
15	22ES101	Engineering Mechanics	Skill Development
16	22HS201	Universal Human Values	Skill Development
17	22MCIN01	Engineering Sprints	Skill Development

18	22MC201	Tamils and Technology	Skill Development
19	22NC201	NCC Course – I (only for NCC students)*	Skill Development
20	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
21	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
22	22MA305	Fourier Series, Boundary Value Problems and Transforms	Skill Development
23	22ME301	Engineering Thermodynamics	Skill development / Employability Enhancement Courses
24	22ME302	Fluid Mechanics and Machinery	Skill development / Employability Enhancement Courses
25	22ME303	Manufacturing Processes	Skill development / Employability Enhancement Courses
26	22MT310	Materials Engineering	Skill Development
27	22MCIN02	Innovation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
28	22NC301	NCC Course – II (only for NCC Students)*	Skill development / Employability Enhancement Courses
29	22ME304	CAD Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
30	22CE308	Strength of Materials and Fluid Mechanics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
31	22ME401	Kinematics of Machinery	Skill Development
32	22ME402	Thermal Engineering	Skill development / Employability Enhancement Courses
33	22ME403	Metal cutting and Machine Tools	Entrepreneurship/ Skill development/ Employability Enhancement Courses
34	22ME404	Hydraulics and Pneumatics	Skill development / Employability Enhancement Courses
35	22CE409	Strength of Materials	Skill development / Employability Enhancement Courses

36	22MCIN03	Design Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
37	22CYMC01	Environmental Science	Skill Development
38	22ME405	Thermal Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
39	22ME406	Manufacturing Technology Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
40	22ME501	Design of Machine Elements	Skill development / Employability Enhancement Courses
41	22ME502	Heat and Mass Transfer	Skill development / Employability Enhancement Courses
42	22ME503	Metrology and Quality Control	Skill development / Employability Enhancement Courses
43	22ME504	Dynamics of Machinery	Skill development / Employability Enhancement Courses
44	22ME505	Instrumentation and Control system	Skill development / Employability Enhancement Courses
45	22MCIN04	Ideation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
46	22MC301	Indian Constitution	Entrepreneurship
47	22ME506	Dynamics and Metrology Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
48	22EN502	Placement and Career Training Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
49	22ME507	Heat Transfer and Refrigeration Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
50	22ME601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
51	22PSPE01	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
52	22PSPE02	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
53	22PSPE03	Industrial Automation	Entrepreneurship/ Skill development/ Employability Enhancement Courses

54	22PSOE01	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
55	22PSOE02	Startup Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
56	22PSOE03	Prototype Development	Entrepreneurship/ Skill development/ Employability Enhancement Courses
57	22MEPS17	Robotics	Skill development / Employability Enhancement Courses
58	22ME701	Mechatronics	Skill Development
59	22ME702	Finite Element Analysis	Skill development / Employability Enhancement Courses
60	22HS701	Operations Research	Skill development / Employability Enhancement Courses
61	22ME703	Mechatronics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
62	22ME704	Simulation Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
63	22ME705	CAM Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
64	22ME706	Project – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
65	22ME801	Project –II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
66	22MEPE11	Automobile Engineering	Skill development / Employability Enhancement Courses
67	22MEPE12	Composite Materials	Skill development / Employability Enhancement Courses
68	22MEPE13	Computer Integrated Manufacturing	Skill development / Employability Enhancement Courses
69	22MEPE14	Design of Transmission system	Skill development / Employability Enhancement Courses
70	22MEPE15	Energy Conservation in Industries	Skill development / Employability Enhancement Courses

71	22MEPE16	Gas Dynamics & Jet Propulsion	Skill development / Employability Enhancement Courses
72	22MEPE17	Renewable Energy System	Skill development / Employability Enhancement Courses
73	22MEPE21	Advanced Strength of Materials	Skill development / Employability Enhancement Courses
74	22MEPE22	Energy Efficient Buildings Design	Skill development / Employability Enhancement Courses
75	22MEPE23	Engineering System Analysis and Design	Skill development / Employability Enhancement Courses
76	22MEPE24	Industrial Engineering and Management	Skill development / Employability Enhancement Courses
77	22MEPE25	Internal Combustion Engines	Skill development / Employability Enhancement Courses
78	22MEPE26	Machine Drawing	Skill development / Employability Enhancement Courses
79	22MEPE27	Power plant Engineering	Skill development / Employability Enhancement Courses
80	22MEPE31	Fuels and Combustion	Skill development / Employability Enhancement Courses
81	22MEPE32	Maintenance Engineering	Skill development / Employability Enhancement Courses
82	22MEPE33	Non-traditional Machining Process	Skill development / Employability Enhancement Courses
83	22MEPE34	Professional Ethics and Human Values	Entrepreneurship/ Skill development/ Employability Enhancement Courses
84	22MEPE35	Rapid Product Development Technologies	Skill development / Employability Enhancement Courses
85	22MEPE36	Refrigeration & Air Conditioning	Skill development / Employability Enhancement Courses
86	22MEPE37	Solar Energy Technology	Skill development / Employability Enhancement Courses
87	22MEPE41	Advanced Decision Modelling Technique	Skill development / Employability Enhancement Courses

88	22MEPE42	Automation in Manufacturing	Skill development / Employability Enhancement Courses
89	22MEPE43	Cryogenic Engineering	Skill development / Employability Enhancement Courses
90	22MEPE44	Fracture Mechanics and Failure Analysis	Skill development / Employability Enhancement Courses
91	22MEPE45	Fundamentals of Tribology	Skill development / Employability Enhancement Courses
92	22MEPE46	Metal Forming Processes	Skill development / Employability Enhancement Courses
93	22MEPE47	Micro and Nano Machining	Skill development / Employability Enhancement Courses
94	22MEPE51	Analysis and Synthesis of Mechanism	Skill development / Employability Enhancement Courses
95	22MEPE52	Design of Jigs, Fixtures and Press tools	Skill development / Employability Enhancement Courses
96	22MEPE53	Heat Transfer Problems in Electronics and Instrumentation	Skill development / Employability Enhancement Courses
97	22MEPE54	Nano Technology	Skill development / Employability Enhancement Courses
98	22MEPE55	Nuclear Engineering	Skill development / Employability Enhancement Courses
99	22MEPE56	Thermal Turbo Machines	Skill development / Employability Enhancement Courses
100	22MEPE57	Total Quality Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
101	22MEPE61	Design of Production Tooling	Skill development / Employability Enhancement Courses
102	22MEPE62	Engineering System Modelling and Simulation	Skill development / Employability Enhancement Courses
103	22MEPE63	Entrepreneurship Development	Skill development / Employability Enhancement Courses
104	22MEPE64	Industrial Safety	Skill development / Employability Enhancement Courses

105	22MEPE65	Introduction to Computational Fluid Dynamics	Skill development / Employability Enhancement Courses
106	22MEPE66	Marine Engineering	Skill development / Employability Enhancement Courses
107	22MEPE67	Robotics	Skill development / Employability Enhancement Courses
108	22MEOE01	Design of Machine Elements and Machining	Skill development / Employability Enhancement Courses
109	22MEOE02	Industrial Engineering	Skill development / Employability Enhancement Courses
110	22MEOE03	Industrial Robotics	Skill development / Employability Enhancement Courses
111	22MEOE04	Power plant Engineering	Skill development / Employability Enhancement Courses
112	22MEOE05	Principles of Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
113	22MEOE06	Professional Ethics in Engineering	Entrepreneurship/ Skill development/ Employability Enhancement Courses
114	22MEOE07	Renewable Sources of Energy	Skill development / Employability Enhancement Courses
115	22MEOE08	Robotic Process Automation	Skill development / Employability Enhancement Courses
116	22MEOE09	Total Quality Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
117	22MEH101	Hydrogen and Fuel Cell Technologies	Skill development / Employability Enhancement Courses
118	22MEH102	Thermal Management of Electric Vehicle Battery Systems	Skill development / Employability Enhancement Courses
119	22MEH103	Electric and Hybrid Vehicle Technology	Skill development / Employability Enhancement Courses
120	22MEH104	Alternate Fuels for IC Engines	Skill development / Employability Enhancement Courses
121	22MEH105	Advanced Energy Storage Technologies	Skill development / Employability Enhancement Courses

122	22MEH106	Solar Power Plants	Skill development / Employability Enhancement Courses
123	22MEH107	Materials for Solar Devices	Skill development / Employability Enhancement Courses
124	22MEH108	Design of Solar and Wind Systems	Skill development / Employability Enhancement Courses
125	22MEH109	Fire Engineering and Explosion Control	Skill development / Employability Enhancement Courses
126	22MEH110	Energy Management and Environmental Benefits	Skill development / Employability Enhancement Courses
127	22MEH201	Numerical methods in Mechanical Engineering	Skill development / Employability Enhancement Courses
128	22MEH202	Advanced Fluid Mechanics	Skill development / Employability Enhancement Courses
129	22MEH203	Fundamentals of Bio-Mechanics	Skill development / Employability Enhancement Courses
130	22MEH204	Introduction to Machine Learning	Skill development / Employability Enhancement Courses
131	22MEH205	Design Optimization and Design Theory	Skill development / Employability Enhancement Courses
132	22MEH206	Advanced Finite Element Methods	Skill development / Employability Enhancement Courses
133	22MEH207	Advanced Computational Fluid Dynamics	Skill development / Employability Enhancement Courses
134	22MEH208	Smart Materials and Structures	Skill development / Employability Enhancement Courses
135	22MEH209	Design of Pressure vessels	Skill development / Employability Enhancement Courses
136	22MEH210	Mechanical Vibrations	Skill development / Employability Enhancement Courses
137	22MEH301	Precision Engineering	Skill development / Employability Enhancement Courses
138	22MEH302	Advanced Materials Technology	Skill development / Employability Enhancement Courses

139	22MEH303	Additive Manufacturing	Skill development / Employability Enhancement Courses
140	22MEH304	Non Destructive Testing and Failure Analysis	Skill development / Employability Enhancement Courses
141	22MEH305	Product Life Cycle Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
142	22MEH306	Ergonomics in Design	Skill development / Employability Enhancement Courses
143	22MEH307	Surface Engineering	Skill development / Employability Enhancement Courses
144	22MEH308	Industrial Layout Design and Safety	Skill development / Employability Enhancement Courses
145	22MEH309	Digital Manufacturing and IOT	Skill development / Employability Enhancement Courses
146	22MEH310	Smart Mobility and Intelligent vehicles	Skill development / Employability Enhancement Courses
147	22MEPS11	Applied Design Thinking	Entrepreneurship
148	22MEPS12	Startup Fundamentals	Entrepreneurship
149	22MEPS13	Computational Hardware	Entrepreneurship
150	22MEPS14	Coding for Innovators	Entrepreneurship
151	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
152	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
153	22MEPS17	Robotics / ML / MLOps	Entrepreneurship
Department of Civil Engineering			
154	22MC101	Induction Program	Skill Development
155	22MA101	Matrices, Calculus and Ordinary Differential Equations	Skill Development
156	22PH101	Engineering Physics	Skill Development
157	22CY101	Engineering Chemistry	Skill Development
158	22EE101	Basic Electrical and Electronics Engineering	Skill Development
159	22ME101	Engineering Graphics & Design	Skill Development
160	22MC102	Heritage of Tamil	Skill Development

161	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
162	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
163	22CY102	Chemistry Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
164	22EE102	Basic Electrical and Electronics Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
165	22EN101	Communicative English (Theory Cum Practical)	Skill Development
166	22MA201	Partial Differential Equation, Vector Calculus and Complex Variables	Skill Development
167	22CY201	Environmental Science and Engineering	Skill Development
168	22CS101	Problem Solving and C Programming	Skill Development
169	22CE101	Engineering Mechanics	Skill Development
170	22HS201	Universal Human Values	Skill Development
171	22MCIN01	Engineering Sprints	Skill Development
172	22MC201	Tamils and Technology/	Skill Development
173	22NC201	NCC COURSE – I (only for NCC Students)	Skill Development
174	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
175	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
176	22MA301	Transforms and Numerical Methods	Skill Development
177	22CE301	Mechanics of Fluids	Skill development / Employability Enhancement Courses
178	22CE302	Surveying	Skill development / Employability Enhancement Courses
179	22CE303	Construction Materials and Technology	Skill development / Employability Enhancement Courses
180	22ES301	Mechanics of Solids	Skill development / Employability Enhancement Courses
181	22EN301	Technical English	Skill Development

182	22MCIN02	Innovation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
183	22CE304	Advanced Surveying and Basic GIS Practical	Entrepreneurship/ Skill development/ Employability Enhancement Courses
184	22CE305	Material Testing and Evaluation Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
185	22NC301	NCC Course – II (Only for NCC Students)	Skill development / Employability Enhancement Courses
186	22CE401	Strength of Materials	Skill development / Employability Enhancement Courses
187	22CE402	Steel Structural Elements	Skill development / Employability Enhancement Courses
188	22CE403	Mechanics of Soils	Skill development / Employability Enhancement Courses
189	22CE404	Water Supply Engineering	Skill development / Employability Enhancement Courses
190	22CE405	Applied Hydraulics and Fluid Machinery	Skill Development
191	22CE406	Concrete Technology	Skill development / Employability Enhancement Courses
192	22MCIN03	Design Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
193	22MC401	Disaster Preparedness and Planning	Entrepreneurship/ Skill development/ Employability Enhancement Courses
194	22CE407	Computer Aided Building Drawing	Entrepreneurship/ Skill development/ Employability Enhancement Courses
195	22CE408	Applied Hydraulics and Machinery Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
196	22CE501	Basic Structural Analysis	Skill Development
197	22CE502	Foundation Engineering	Skill development / Employability Enhancement Courses
198	22CE503	Water Resources Engineering	Skill development / Employability Enhancement Courses

199	22CE504	Design of Reinforced Concrete Elements	Skill development / Employability Enhancement Courses
200	22CE505	Waste Water Engineering	Skill development / Employability Enhancement Courses
201	22CE506	Transportation Engineering	Skill development / Employability Enhancement Courses
202	22MCIN04	Ideation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
203	22MC501	Indian Constitution	Entrepreneurship
204	22CE507	Geotechnical Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
205	22CE508	Environmental Quality Measurement Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
206	22CE601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
207	22PSPE01	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
208	22PSPE02	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
209	22PSPE03	Industrial Automation	Entrepreneurship/ Skill development/ Employability Enhancement Courses
210	22PSOE01	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
211	22PSOE02	Startup Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
212	22PSOE03	Prototype Development	Entrepreneurship/ Skill development/ Employability Enhancement Courses
213	22PSEE01	Robotics	Skill development / Employability Enhancement Courses
214	22CE701	Advanced Structural Analysis	Skill development / Employability Enhancement Courses
215	22CE702	Human Values, Professional Practices, Ethics and Building by-laws	Entrepreneurship/ Skill development/ Employability Enhancement Courses

216	22CE703	Estimation, Costing and Valuation	Entrepreneurship/ Skill development/ Employability Enhancement Courses
217	22CE704	Concrete Technology Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
218	22CE705	Computer Aided Design and Drawing (Concrete & Steel)	Entrepreneurship/ Skill development/ Employability Enhancement Courses
219	22CE802	Project Work	Entrepreneurship/ Skill development/ Employability Enhancement Courses
220	22CEPE01	Prestressed Concrete Structures	Skill development / Employability Enhancement Courses
221	22CEPE02	Building Information Modelling	Skill development / Employability Enhancement Courses
222	22CEPE03	Sustainable and Green Building Technology	Skill development / Employability Enhancement Courses
223	22CEPE04	Advanced Steel Structures	Skill development / Employability Enhancement Courses
224	22CEPE05	Dynamics and Earthquake Resistant Design of Structures	Skill development / Employability Enhancement Courses
225	22CEPE06	Storage Structures	Skill development / Employability Enhancement Courses
226	22CEPE07	Highrise Buildings	Skill development / Employability Enhancement Courses
227	22CEPE08	Advanced Concrete Design	Skill development / Employability Enhancement Courses
228	22CEPE09	Design of Composite Structures	Skill development / Employability Enhancement Courses
229	22CEPE10	Coastal Structures	Skill development / Employability Enhancement Courses
230	22CEPE11	Ferrocement Technology	Skill development / Employability Enhancement Courses
231	22CEPE12	Air Pollution Control Engineering	Skill development / Employability Enhancement Courses
232	22CEPE13	Marine pollution Monitoring and Control	Skill development / Employability Enhancement Courses

233	22CEPE14	Solid Waste Management	Skill development / Employability Enhancement Courses
234	22CEPE15	Hazardous Waste Management	Skill development / Employability Enhancement Courses
235	22CEPE16	Open Channel Flow	Skill development / Employability Enhancement Courses
236	22CEPE17	River Engineering	Skill development / Employability Enhancement Courses
237	22CEPE18	Irrigation Engineering	Skill development / Employability Enhancement Courses
238	22CEPE19	Watershed Management	Skill development / Employability Enhancement Courses
239	22CEPE20	Hydrology	Skill development / Employability Enhancement Courses
240	22CEPE21	Ground Improvement Techniques	Skill development / Employability Enhancement Courses
241	22CEPE22	Soil Structure Interaction	Skill development / Employability Enhancement Courses
242	22CEPE23	Subsurface Investigation and Instrumentation	Skill development / Employability Enhancement Courses
243	22CEPE24	Earth Retaining Structures	Skill development / Employability Enhancement Courses
244	22CEPE25	Rock Mechanics and Applications	Skill development / Employability Enhancement Courses
245	22CEPE26	Traffic Engineering & Management	Skill development / Employability Enhancement Courses
246	22CEPE27	Airports, Docks and Harbours Engineering	Skill development / Employability Enhancement Courses
247	22CEPE28	Railway Engineering	Skill development / Employability Enhancement Courses
248	22CEPE29	Urban Planning & Development	Skill development / Employability Enhancement Courses
249	22CEPE30	Formwork for Concrete Structures	Skill development / Employability Enhancement Courses

250	22CEPE31	Advanced Surveying Techniques	Skill development / Employability Enhancement Courses
251	22CEOE01	Environmental Management	Skill development / Employability Enhancement Courses
252	22CEOE02	Disaster Mitigation and Management	Skill development / Employability Enhancement Courses
253	22CEOE03	Repair and Rehabilitation of Building Elements	Skill development / Employability Enhancement Courses
254	22CEOE04	Mechanics of Deformable bodies	Skill development / Employability Enhancement Courses
255	22CEH101	Bridge Engineering	Skill development / Employability Enhancement Courses
256	22CEH102	Repair & Rehabilitation of Structures	Skill development / Employability Enhancement Courses
257	22CEH103	Industrial Structures	Skill development / Employability Enhancement Courses
258	22CEH104	Prefabricated Structures	Skill development / Employability Enhancement Courses
259	22CEH105	Finite Elements Analysis	Skill development / Employability Enhancement Courses
260	22CEH106	Experimental Techniques and Instrumentation	Skill development / Employability Enhancement Courses
261	22CEH107	Advanced Concrete Technology	Skill development / Employability Enhancement Courses
262	22CEH201	Industrial Wastewater Treatment	Skill development / Employability Enhancement Courses
263	22CEH202	Environmental Impact and Risk Assessment	Skill development / Employability Enhancement Courses
264	22CEH203	Environmental Management & Sustainable development	Skill development / Employability Enhancement Courses
265	22CEH204	Environmental Legislations in India	Skill development / Employability Enhancement Courses

266	22CEH205	Environmental Microbiology	Skill development / Employability Enhancement Courses
267	22CEH206	Waste Management Techniques	Skill development / Employability Enhancement Courses
268	22CEH207	Unit Operations and Processes in Water and Wastewater Treatment	Skill development / Employability Enhancement Courses
269	22CEH301	Smart Materials and Smart Structures	Skill development / Employability Enhancement Courses
270	22CEH302	Construction Techniques and Equipment	Skill development / Employability Enhancement Courses
271	22CEH303	Project Safety Management	Skill development / Employability Enhancement Courses
272	22CEH304	Sustainable and Green Building Technology	Skill development / Employability Enhancement Courses
273	22CEH305	Functional Planning in Building Services	Skill development / Employability Enhancement Courses
274	22CEH306	Building Valuation	Skill development / Employability Enhancement Courses
275	22CEH307	Quality Control and Assurance in Construction	Skill development / Employability Enhancement Courses
276	22MEPS11	Applied Design Thinking	Entrepreneurship
277	22MEPS12	Startup Fundamentals	Entrepreneurship
278	22MEPS13	Computational Hardware	Entrepreneurship
279	22MEPS14	Coding for Innovators	Entrepreneurship
280	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
281	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
282	22MEPS17	Robotics / ML / MLOps	Entrepreneurship
Department of Electrical and Electronics Engineering			
283	22MC01	Induction Program	Skill Development
284	22EN101	Communicative English (Theory And Practical)	Skill Development
285	22MA102	Matrices, Calculus and Differential Equations	Skill Development

286	22PH102	Materials Science for Engineering	Skill Development
287	22CS103	C Programming for Electrical Engineers	Skill Development
288	22CM101	Basic Civil and Mechanical Engineering	Skill Development
289	22MC102	Heritage of Tamil	Skill Development
290	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
291	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
292	22MA204	Fourier Series And Transforms	Skill Development
293	22PH202	Physics -Waves, Optics and Quantum Mechanics	Skill Development
294	22CY101	Engineering Chemistry	Skill Development
295	22HS21	Universal Human Values	Skill Development
296	22ME101	Engineering Graphics and Design	Skill Development
297	22MCIN01	Engineering Sprints	Skill Development
298	22MC201	Tamils and Technology	Skill Development
299	22NCC21	NCC Course – I (Only for NCC Students)*	Skill Development
300	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
301	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
302	22CY102	Chemistry Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
303	22MA302	Statistics and Numerical Methods	Skill Development
304	22EE301	Electric Circuit Analysis	Skill development / Employability Enhancement Courses
305	22EE302	Electromagnetic Theory	Skill development / Employability Enhancement Courses
306	22EE303	DC Machines and Transformers	Skill development / Employability Enhancement Courses
307	22EE304	Electron Devices and Circuits	Skill development / Employability Enhancement Courses

308	22EE305	Signals and Systems	Skill development / Employability Enhancement Courses
309	22MCIN02	Innovation Sprints	Skill development / Employability Enhancement Courses
310	22MC301	Indian Constitution	Entrepreneurship
311	22NCC31	NCC Course – II (only for NCC Students)*	Skill development / Employability Enhancement Courses
312	22EE306	DC Machines and Transformers Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
313	22EE307	Circuits and Electron Devices Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
314	22EE401	Synchronous and Induction Machines	Skill development / Employability Enhancement Courses
315	22EE402	Measurements and Instrumentation	Skill development / Employability Enhancement Courses
316	22EE403	Analog and Digital Integrated Circuits	Skill development / Employability Enhancement Courses
317	22EE404	Power Generation, Transmission and Distribution System	Skill development / Employability Enhancement Courses
318	22EE405	Power Electronics	Skill development / Employability Enhancement Courses
319	22MCIN03	Design Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
320	22CYMC01	Environmental Science	Skill Development
321	22EE406	Synchronous and Induction Machines Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
322	22EE407	Analog and Digital Integrated CircuitsLaboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
323	22EN401	Placement and Soft Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
324	22EE501	Control Systems	Skill development / Employability Enhancement Courses
325	22EE502	Microprocessors and Microcontrollers	Skill Development

326	22EE503	Electrical Machine Design	Skill development / Employability Enhancement Courses
327	22EE504	Electrical Drives and Control	Skill Development
328	22EE505	Power System Analysis and Stability	Skill development / Employability Enhancement Courses
329	22EE506	Solar and Wind Energy Conversion System	Skill development / Employability Enhancement Courses
330	22MCIN04	Ideation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
331	22EE507	Power Electronics and Energy Systems Laboratory	Skill development / Employability Enhancement Courses
332	22EE508	Microprocessor and Microcontroller Laboratory	Skill development / Employability Enhancement Courses
333	22EE509	Control and Instrumentation Laboratory	Skill development / Employability Enhancement Courses
334	22EE601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
335	22EE602	Internship	Entrepreneurship/ Skill development/ Employability Enhancement Courses
336	22MEPS11	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
337	22MEPS12	Startup Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
338	22MEPS13	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
339	22MEPS14	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
340	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship/ Skill development/ Employability Enhancement Courses
341	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
342	22MEPS17	Robotics / ML / MLOps	Entrepreneurship/ Skill development/ Employability Enhancement Courses

343	22EE701	Power System Protection and Switch Gear	Skill development / Employability Enhancement Courses
344	22EE702	Smart Grid	Skill development / Employability Enhancement Courses
345	22EE703	High Voltage Engineering	Skill development / Employability Enhancement Courses
346	22EE704	Industrial Management and Economics	Entrepreneurship/ Skill development/ Employability Enhancement Courses
347	22EE705	Power Systems Laboratory	Skill development / Employability Enhancement Courses
348	22EE706	Electric Drives and Control Laboratory	Skill development / Employability Enhancement Courses
349	22EE801	Project Work	Entrepreneurship/ Skill development/ Employability Enhancement Courses
350	22EEPE11	Network Analysis and Synthesis	Skill development / Employability Enhancement Courses
351	22EEPE12	Advanced Control Systems	Skill development / Employability Enhancement Courses
352	22EEPE13	Discrete Control Systems	Skill development / Employability Enhancement Courses
353	22EEPE14	Biomedical Instrumentation	Skill development / Employability Enhancement Courses
354	22EEPE15	Biology for Electrical Engineers	Skill development / Employability Enhancement Courses
355	22EEPE21	HVDC Transmission Systems	Skill development / Employability Enhancement Courses
356	22EEPE22	EHVAC Transmission Systems	Skill development / Employability Enhancement Courses
357	22EEPE23	Flexible AC Transmission System	Skill development / Employability Enhancement Courses
358	22EEPE24	Power System Operation and Control	Skill development / Employability Enhancement Courses
359	22EEPE31	Digital Signal Processing	Skill development / Employability Enhancement Courses

360	22EEPE32	Embedded System Design	Skill development / Employability Enhancement Courses
361	22EEPE33	Artificial Intelligence and Computer Vision	Skill development / Employability Enhancement Courses
362	22EEPE34	Soft Computing	Skill development / Employability Enhancement Courses
363	22EEPE35	Internet of Things for Electrical System	Skill development / Employability Enhancement Courses
364	22EEPE41	Power System Transients	Skill development / Employability Enhancement Courses
365	22EEPE42	Power Quality	Skill development / Employability Enhancement Courses
366	22EEPE43	Distributed Generation and Micro Grid	Skill development / Employability Enhancement Courses
367	22EEPE44	Restructured Power System	Skill development / Employability Enhancement Courses
368	22EEPE51	Utilization of Electrical Energy	Skill development / Employability Enhancement Courses
369	22EEPE52	Electrical Energy Conservation and Auditing	Skill development / Employability Enhancement Courses
370	22EEPE53	Electrical Wiring Estimation and Costing	Skill development / Employability Enhancement Courses
371	22EEPE61	Special Electrical Machines	Skill development / Employability Enhancement Courses
372	22EEPE62	Industrial Electrical Systems	Skill development / Employability Enhancement Courses
373	22EEPE63	Electric Vehicles and Control	Skill development / Employability Enhancement Courses
374	22EEOE01	Renewable Energy Sources	Skill development / Employability Enhancement Courses
375	22EEOE02	Industrial Drives	Skill development / Employability Enhancement Courses
376	22EEOE03	Energy Conservation and Management	Skill development / Employability Enhancement Courses

377	22EEOE04	Electric Vehicles	Skill development / Employability Enhancement Courses
378	22EEHO101	Substation Engineering and Automation	Skill development / Employability Enhancement Courses
379	22EEHO102	EMS and SCADA	Skill development / Employability Enhancement Courses
380	22EEHO103	Power system State Estimation and Security Control	Skill development / Employability Enhancement Courses
381	22EEHO104	Power System Automation	Skill development / Employability Enhancement Courses
382	22EEHO105	Power Plant Engineering	Skill development / Employability Enhancement Courses
383	22EEHO106	Computer Relaying and Wide Area Measurement Systems	Skill development / Employability Enhancement Courses
384	22EEHO107	Power System Planning and Reliability	Skill development / Employability Enhancement Courses
385	22EEHO108	Advanced Power System Protection	Skill development / Employability Enhancement Courses
386	22EEHO109	High Voltage Insulation Systems	Skill development / Employability Enhancement Courses
387	22EEHO110	Traction Engineering	Skill development / Employability Enhancement Courses
388	22EEHO201	Analysis of Electrical Machines	Skill development / Employability Enhancement Courses
389	22EEHO202	Multilevel Power Converters	Skill development / Employability Enhancement Courses
390	22EEHO203	SMPS and UPS	Skill development / Employability Enhancement Courses
391	22EEHO204	Modelling and Control of Power Converters	Skill development / Employability Enhancement Courses
392	22EEHO205	Digital Controller in Power Electronics Applications	Skill development / Employability Enhancement Courses
393	22EEHO206	PWM Converters and Application	Skill development / Employability Enhancement Courses

394	22EEHO207	Grid Converters for Renewable Energy Applications	Skill development / Employability Enhancement Courses
395	22EEHO208	Control and Integration of Renewable Energy Sources	Skill development / Employability Enhancement Courses
396	22EEHO209	Modern Electrical Drives	Skill development / Employability Enhancement Courses
397	22EEHO301	Electric Vehicle Architecture	Skill development / Employability Enhancement Courses
398	22EEHO302	Design of Motor and Power Converters for Electric Vehicles	Skill development / Employability Enhancement Courses
399	22EEHO303	Electric Vehicle Design, Mechanics and Control	Skill development / Employability Enhancement Courses
400	22EEHO304	Design of Electric Vehicle Charging System	Skill development / Employability Enhancement Courses
401	22EEHO305	Testing of Electric Vehicles	Skill development / Employability Enhancement Courses
402	22EEHO306	Intelligent Control of Electric Vehicles	Skill development / Employability Enhancement Courses
403	22EEHO307	Hybrid Electric vehicles	Skill development / Employability Enhancement Courses
404	22EEHO308	Battery Management Systems	Skill development / Employability Enhancement Courses
405	22EEHO309	Advanced Electric Drives for EV	Skill development / Employability Enhancement Courses
406	22EEHO310	Energy Storage Systems and Applications	Skill development / Employability Enhancement Courses
407	22MEPS11	Applied Design Thinking	Entrepreneurship
408	22MEPS12	Startup Fundamentals	Entrepreneurship
409	22MEPS13	Computational Hardware	Entrepreneurship
410	22MEPS14	Coding for Innovators	Entrepreneurship
411	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
412	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
413	22MEPS17	Robotics / ML / MLOps	Entrepreneurship

		Department of Electronics and Communication Engineering	
414	22MC101	Induction Program	Skill Development
415	22EN101	Communicative English (Theory cum Practical)	Skill Development
416	22MA101	Matrices, Calculus and Ordinary Differential Equations	Skill Development
417	22PH102	Material Science for Engineering	Skill Development
418	22CY101	Engineering Chemistry	Skill Development
419	22CS101	Problem Solving and C Programming	Skill Development
420	22MC102	Heritage of Tamil	Skill Development
421	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
422	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
423	22MA203	Linear Algebra, Partial Differential Equation Vector Calculus	Skill Development
424	22PH201	Physics-Electromagnetism	Skill Development
425	22HS201	Universal Human Values	Skill Development
426	22EE201	Principles of Electrical Engineering	Skill Development
427	22ME101	Engineering Graphics & Design	Skill Development
428	22MCIN01	Engineering Sprints	Skill Development
429	22MC201	Tamizhars and Technology	Skill Development
430	22NC201	NCC COURSE – I (only for NCC Students)	Skill Development
431	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
432	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
433	22CY102	Chemistry Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
434	22EE202	Principles of Electrical Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses

435	22MA304	Fourier Series, Complex Variables and Transforms	Skill Development
436	22EC301	Semiconductor Devices and Circuits	Skill Development
437	22EC302	Digital System Design	Skill development / Employability Enhancement Courses
438	22EC303	Network Theory and Synthesis	Skill development / Employability Enhancement Courses
439	22EC304	Transmission Lines and Waveguides	Skill development / Employability Enhancement Courses
440	22EC305	Analog Communication	Skill Development
441	22MC301	Indian Constitution	Entrepreneurship
442	22MCIN02	Innovation Sprint	Entrepreneurship/ Skill development/ Employability Enhancement Courses
443	22NC301	NCC Course – II(Only for NCC Students)	Skill development / Employability Enhancement Courses
444	22EC306	Semiconductor Devices and Circuits Laboratory	Skill development / Employability Enhancement Courses
445	22EC307	Digital System Design Laboratory	Skill development / Employability Enhancement Courses
446	22MA402	Probability and Stochastic Process	Skill Development
447	22EC401	Analog Circuits	Skill development / Employability Enhancement Courses
448	22EC402	Microprocessors and Microcontrollers	Skill Development
449	22EC403	Signals and Systems	Skill development / Employability Enhancement Courses
450	22EC404	Control Systems	Skill development / Employability Enhancement Courses
451	22EC405	Antenna and Wave Propagation	Skill development / Employability Enhancement Courses
452	22MCIN03	Design Sprint	Entrepreneurship/ Skill development/ Employability Enhancement Courses
453	22CYMC01	Environmental Science	Skill Development
454	22EN401	Placement and Soft skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses

455	22EC406	Analog Circuits Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
456	22EC407	Microprocessors and Microcontrollers Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
457	22EC501	Digital Communication	Skill development / Employability Enhancement Courses
458	22EC502	Digital Signal Processing	Skill development / Employability Enhancement Courses
459	22EC503	Embedded Systems	Skill development / Employability Enhancement Courses
460	22EC504	Principles of Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
461	22MCIN04	Ideation Sprint	Entrepreneurship/ Skill development/ Employability Enhancement Courses
462	22EC505	Communication Systems Laboratory	Skill development / Employability Enhancement Courses
463	22EC506	Digital Signal Processing Laboratory	Skill development / Employability Enhancement Courses
464	22EC601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
465	22IPPS11	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
466	22IPPS12	Start- up Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
467	22IPPS13	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
468	22IPPS14	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
469	22IPPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship/ Skill development/ Employability Enhancement Courses
470	22IPPS16	Industrial Automation	Entrepreneurship/ Skill development/ Employability Enhancement Courses
471	22IPPS17	Robotics	Entrepreneurship/ Skill development/ Employability Enhancement Courses

472	22EC701	VLSI Design	Skill development / Employability Enhancement Courses
473	22EC702	Optical and Microwave Engineering	Skill development / Employability Enhancement Courses
474	22EC703	Wireless and Mobile Communication	Skill development / Employability Enhancement Courses
475	22EC704	Optical and Microwave Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
476	22EC705	VLSI Design and Embedded Systems Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
477	22EC801	Project Work	Entrepreneurship/ Skill development/ Employability Enhancement Courses
478	22ECPE601	Electronic Measurements	Skill development / Employability Enhancement Courses
479	22ECPE602	Computer Architecture	Skill development / Employability Enhancement Courses
480	22ECPE603	Digital Image Processing	Skill development / Employability Enhancement Courses
481	22ECPE604	Machine Learning	Skill development / Employability Enhancement Courses
482	22ECPE605	Modern Sensors and its Applications	Skill development / Employability Enhancement Courses
483	22ECPE606	Radar Communication	Skill development / Employability Enhancement Courses
484	22ECPE607	Internet of Things	Skill development / Employability Enhancement Courses
485	22ECPE608	Computer Networks	Skill development / Employability Enhancement Courses
486	22ECPE609	Software Defined Radio	Skill development / Employability Enhancement Courses
487	22ECPE610	High Speed Networks	Skill development / Employability Enhancement Courses
488	22ECPE611	Robotics	Skill development / Employability Enhancement Courses

489	22ECPE612	Virtual Instrumentation	Skill development / Employability Enhancement Courses
490	22ECPE613	Automotive Electronics	Skill development / Employability Enhancement Courses
491	22ECPE614	Embedded C	Skill development / Employability Enhancement Courses
492	22ECPE615	VLSI Physical Design	Skill development / Employability Enhancement Courses
493	22ECPE616	RF & EMI/EMC Testing	Skill development / Employability Enhancement Courses
494	22ECPE801	Multimedia Compression and Communication Techniques	Skill development / Employability Enhancement Courses
495	22ECPE802	Wireless Sensor Networks	Skill development / Employability Enhancement Courses
496	22ECPE803	Telecommunication and Switching Networks	Skill development / Employability Enhancement Courses
497	22ECPE804	Deep Learning	Skill development / Employability Enhancement Courses
498	22ECPE805	Network Security	Skill development / Employability Enhancement Courses
499	22ECPE806	Satellite Communication	Skill development / Employability Enhancement Courses
500	22ECPE807	Bio Medical Electronics	Skill development / Employability Enhancement Courses
501	22ECPE808	Cognitive Radio	Skill development / Employability Enhancement Courses
502	22ECOE01	Fundamentals of Electron Devices	Skill development / Employability Enhancement Courses
503	22ECOE02	Principles of Modern Communication Systems	Skill development / Employability Enhancement Courses
504	22ECOE03	Microcontrollers and its applications	Skill development / Employability Enhancement Courses
505	22ECOE04	Computer Networks	Skill development / Employability Enhancement Courses

506	22ECOE05	Basics of Embedded Systems	Skill development / Employability Enhancement Courses
507	22ECOE06	Basics of Internet of Things	Skill development / Employability Enhancement Courses
508	22ECOE07	Artificial Intelligence and Machine Learning	Skill development / Employability Enhancement Courses
509	22ECH101	VLSI technology	Skill development / Employability Enhancement Courses
510	22ECH102	Analog CMOS IC design	Skill development / Employability Enhancement Courses
511	22ECH103	Device modelling	Skill development / Employability Enhancement Courses
512	22ECH104	Network on chip	Skill development / Employability Enhancement Courses
513	22ECH105	DSP integrated circuits	Skill development / Employability Enhancement Courses
514	22ECH106	VLSI signal processing	Skill development / Employability Enhancement Courses
515	22ECH107	Mixed signal VLSI design	Skill development / Employability Enhancement Courses
516	22ECH108	VLSI for wireless communication	Skill development / Employability Enhancement Courses
517	22ECH109	VLSI for IOT systems	Skill development / Employability Enhancement Courses
518	22ECH110	VLSI for CAD Design	Skill development / Employability Enhancement Courses
519	22ECH201	High performance networks	Skill development / Employability Enhancement Courses
520	22ECH202	Optical communication networks	Skill development / Employability Enhancement Courses
521	22ECH203	Network security and management	Skill development / Employability Enhancement Courses
522	22ECH204	Artificial neural networks	Skill development / Employability Enhancement Courses

523	22ECH205	5G communication networks	Skill development / Employability Enhancement Courses
524	22ECH206	Wireless Adhoc and sensor networks	Skill development / Employability Enhancement Courses
525	22ECH207	Software defined networks	Skill development / Employability Enhancement Courses
526	22ECH208	Embedded system for networking	Skill development / Employability Enhancement Courses
527	22ECH209	Cognitive radio networking	Skill development / Employability Enhancement Courses
528	22ECH210	Next generation networks	Skill development / Employability Enhancement Courses
529	22ECH301	Statistical Theory of Communication	Skill development / Employability Enhancement Courses
530	22ECH302	Information Theory and Coding	Skill development / Employability Enhancement Courses
531	22ECH303	Wave Communication	Skill development / Employability Enhancement Courses
532	22ECH304	Spread Spectrum Communication	Skill development / Employability Enhancement Courses
533	22ECH305	MIMO Communication	Skill development / Employability Enhancement Courses
534	22ECH306	Smart Antennas	Skill development / Employability Enhancement Courses
535	22ECH307	RF IC and Microwave MEMs	Skill development / Employability Enhancement Courses
536	22ECH309	Satellite Positioning and Navigation Systems	Skill development / Employability Enhancement Courses
537	22ECH310	Remote Sensing	Skill development / Employability Enhancement Courses
538	22ECH401	Advanced digital signal processing	Skill development / Employability Enhancement Courses
539	22ECH402	Speech processing	Skill development / Employability Enhancement Courses

540	22ECH404	Wavelet signal processing	Skill development / Employability Enhancement Courses
541	22ECH405	Pattern recognition and machine learning	Skill development / Employability Enhancement Courses
542	22ECH406	Adaptive/array signal processing	Skill development / Employability Enhancement Courses
543	22ECH407	Multimedia processing	Skill development / Employability Enhancement Courses
544	22ECH408	Biomedical signal and image processing	Skill development / Employability Enhancement Courses
545	22ECH409	VLSI signal processing	Skill development / Employability Enhancement Courses
546	22ECH410	Radar signal processing	Skill development / Employability Enhancement Courses
547	22MEPS11	Applied Design Thinking	Entrepreneurship
548	22MEPS12	Startup Fundamentals	Entrepreneurship
549	22MEPS13	Computational Hardware	Entrepreneurship
550	22MEPS14	Coding for Innovators	Entrepreneurship
551	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
552	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
553	22MEPS17	Robotics / ML / MLOps	Entrepreneurship
Department of Computer Science and Engineering			
554	22MC101	Induction Program	Skill Development
555	22EN101	Communicative English (Theory cum Practical)	Skill Development
556	22MA101	Matrices and Calculus and Ordinary Differential Equations	Skill Development
557	22PH101	Engineering Physics	Skill Development
558	22CY101	Engineering Chemistry	Skill Development
559	22CS101	Problem Solving and C Programming	Skill Development
560	22MC102	Heritage of Tamil	Skill Development
561	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses

562	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
563	22MA202	Linear Algebra and Linear Programming Problem	Skill Development
564	22HS201	Universal Human Values	Skill Development
565	22CS201	Digital Principles and System Design	Skill Development
566	22EE101	Basic Electrical and Electronics Engineering	Skill Development
567	22ME101	Engineering Graphics & Design	Skill Development
568	22MCIN01	Engineering Sprints	Skill Development
569	22MC201	Tamils and Technology	Skill Development
570	22NC201	NCC COURSE – I (only for NCC Students)	Skill Development
571	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
572	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
573	22CY102	Chemistry Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
574	22EE102	Basic Electrical and Electronics Engineering Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
575	22MA303	Probability and Numerical Methods	Skill Development
576	22CS301	Computer Organization and Architecture	Skill Development
577	22CS302	Software Engineering	Skill development / Employability Enhancement Courses
578	22CS303	Data Structures and Algorithms	Skill development / Employability Enhancement Courses
579	22CS304	Operating Systems	Skill development / Employability Enhancement Courses
580	22MCIN02	Innovation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
581	22NC301	NCC Course – II (Only for NCC Students)	Skill development / Employability Enhancement Courses

582	22CS305	Operating Systems Laboratory	Skill development / Employability Enhancement Courses
583	22CS306	Data Structures and Algorithms Laboratory	Skill development / Employability Enhancement Courses
584	22MA401	Discrete Mathematics	Skill Development
585	22CS401	Design and Analysis of Algorithms	Skill Development
586	22CS402	Theory of Computation	Skill development / Employability Enhancement Courses
587	22CS403	Object Oriented Programming using C++	Skill development / Employability Enhancement Courses
588	22CS404	Microprocessors and Microcontrollers	Skill Development
589	22MCIN03	Design Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
590	22CYMC01	Environmental Science	Skill Development
591	22CS405	Object Oriented Programming using C++ Laboratory	Skill development / Employability Enhancement Courses
592	22CS406	Microprocessors and Microcontrollers Laboratory	Skill development / Employability Enhancement Courses
593	22CS501	Database Management Systems	Skill development / Employability Enhancement Courses
594	22CS502	Java Programming	Skill development / Employability Enhancement Courses
595	22CS503	Computer Networks	Skill development / Employability Enhancement Courses
596	22CS504	Principles of Compiler Design	Skill Development
597	22MCIN04	Ideation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
598	22MC301	Indian Constitution	Entrepreneurship
599	22CS505	Database Management Systems Laboratory	Skill development / Employability Enhancement Courses
600	22CS506	Java Programming Laboratory	Skill development / Employability Enhancement Courses
601	22EN401	Placement and Soft Skills Laboratory	Skill development / Employability Enhancement Courses

602	22CS601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
603	22PSPE01	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
604	22PSPE02	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
605	22PSPE03	Industrial Automation	Entrepreneurship/ Skill development/ Employability Enhancement Courses
606	22PSOE01	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
607	22PSOE02	Startup Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
608	22PSOE03	Industrial Design &Rapid Prototyping Techniques	Entrepreneurship/ Skill development/ Employability Enhancement Courses
609	22PSEE01	Robotics/ML/ML/Ops	Entrepreneurship/ Skill development/ Employability Enhancement Courses
610	22CS701	Cryptography and Network Security	Skill development / Employability Enhancement Courses
611	22CS702	Python Programming	Skill development / Employability Enhancement Courses
612	22CS703	Machine Learning	Skill development / Employability Enhancement Courses
613	22CS704	Mobile Computing	Skill development / Employability Enhancement Courses
614	22MG701	Principles of Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
615	22CS705	Machine Learning Laboratory	Skill development / Employability Enhancement Courses
616	22CS801	Project Work	Entrepreneurship/ Skill development/ Employability Enhancement Courses
617	22CSPE101	Software Project Management	Skill development / Employability Enhancement Courses
618	22CSPE102	Artificial Intelligence	Skill development / Employability Enhancement Courses

619	22CSPE103	Web Technology	Skill development / Employability Enhancement Courses
620	22CSPE104	Agile Technology	Skill development / Employability Enhancement Courses
621	22CSPE105	Data Mining and Warehousing	Skill development / Employability Enhancement Courses
622	22CSPE106	Computer Hardware and Troubleshooting	Skill development / Employability Enhancement Courses
623	22CSPE201	Software Quality and Testing	Skill development / Employability Enhancement Courses
624	22CSPE202	Blockchain Technologies	Skill development / Employability Enhancement Courses
625	22CSPE203	Parallel Computing Architecture and Programming	Skill development / Employability Enhancement Courses
626	22CSPE204	Computer Graphics and Multimedia	Skill development / Employability Enhancement Courses
627	22CSPE205	Object Oriented Analysis and Design	Skill development / Employability Enhancement Courses
628	22CSPE206	Cyber Forensics	Skill development / Employability Enhancement Courses
629	22CSPE301	Service Oriented Architecture	Skill development / Employability Enhancement Courses
630	22CSPE302	Cloud Computing	Skill development / Employability Enhancement Courses
631	22CSPE303	Open-Source Technologies	Skill development / Employability Enhancement Courses
632	22CSPE304	Big Data Analytics	Skill development / Employability Enhancement Courses
633	22CSPE305	User Interface Design	Skill development / Employability Enhancement Courses
634	22CSPE306	E-Commerce	Entrepreneurship/ Skill development/ Employability Enhancement Courses
635	22CSPE401	Wireless Sensor Networks	Skill development / Employability Enhancement Courses

636	22CSPE402	Mobile Application Development	Skill development / Employability Enhancement Courses
637	22CSPE403	Data Visualization Technique	Skill development / Employability Enhancement Courses
638	22CSPE404	Predictive Data Analytics	Skill development / Employability Enhancement Courses
639	22CSPE405	Game Theory and its Applications	Skill development / Employability Enhancement Courses
640	22CSPE406	Business Intelligence and its Application	Entrepreneurship/ Skill development/ Employability Enhancement Courses
641	22CSPE501	Information Security	Skill development / Employability Enhancement Courses
642	22CSPE502	Data Science	Skill development / Employability Enhancement Courses
643	22CSPE503	Deep Learning	Skill development / Employability Enhancement Courses
644	22CSPE504	Social Network Analysis	Skill development / Employability Enhancement Courses
645	22CSPE505	Natural Language Processing	Skill development / Employability Enhancement Courses
646	22CSPE506	Ethical Hacking	Skill development / Employability Enhancement Courses
647	22CSOE01	Object Oriented Programming using C++	Skill development / Employability Enhancement Courses
648	22CSOE02	Operating Systems	Skill development / Employability Enhancement Courses
649	22CSOE03	Computer Networks	Skill development / Employability Enhancement Courses
650	22CSOE04	Python Programming	Skill development / Employability Enhancement Courses
651	22CSOE05	Java Programming	Skill development / Employability Enhancement Courses
652	22CSOE06	Computer Organization and Architecture	Skill development / Employability Enhancement Courses

653	22CSOE07	Data Structures using C++	Skill development / Employability Enhancement Courses
654	22CSOE08	Cloud Computing	Skill development / Employability Enhancement Courses
655	22CSOE09	Artificial Intelligence and Machine Learning	Skill development / Employability Enhancement Courses
656	22CSH101	Exploratory Data Analysis	Skill development / Employability Enhancement Courses
657	22CSH102	Recommender Systems	Skill development / Employability Enhancement Courses
658	22CSH103	Neural Networks and Deep Learning	Skill development / Employability Enhancement Courses
659	22CSH104	Text and Speech Analysis	Skill development / Employability Enhancement Courses
660	22CSH105	Business Analytics	Skill development / Employability Enhancement Courses
661	22CSH106	Image and Video Analytics	Skill development / Employability Enhancement Courses
662	22CSH107	Computer Vision	Skill development / Employability Enhancement Courses
663	22CSH201	Full Stack Web Application Development	Skill development / Employability Enhancement Courses
664	22CSH202	App Development	Skill development / Employability Enhancement Courses
665	22CSH204	UI and UX Design	Skill development / Employability Enhancement Courses
666	22CSH205	Software Testing and Automation	Skill development / Employability Enhancement Courses
667	22CSH206	Web Application Security	Skill development / Employability Enhancement Courses
668	22CSH207	DevOps	Skill development / Employability Enhancement Courses
669	22CSH208	Principles of Programming Languages	Skill development / Employability Enhancement Courses

670	22CSH301	Cloud Computing	Skill development / Employability Enhancement Courses
671	22CSH302	Virtualization	Skill development / Employability Enhancement Courses
672	22CSH303	Cloud Services Management	Skill development / Employability Enhancement Courses
673	22CSH304	Data Warehousing	Skill development / Employability Enhancement Courses
674	22CSH305	Storage Technologies	Skill development / Employability Enhancement Courses
675	22CSH306	Software Defined Networks	Skill development / Employability Enhancement Courses
676	22CSH307	Stream Processing	Skill development / Employability Enhancement Courses
677	22CSH308	Security and Privacy in Cloud	Skill development / Employability Enhancement Courses
678	22MEPS11	Applied Design Thinking	Entrepreneurship
679	22MEPS12	Startup Fundamentals	Entrepreneurship
680	22MEPS13	Computational Hardware	Entrepreneurship
681	22MEPS14	Coding for Innovators	Entrepreneurship
682	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
683	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
684	22MEPS17	Robotics / ML / MLOps	Entrepreneurship
Department of Metallurgical Engineering			
685	22MC101	Induction Program	Skill Development
686	22EN101	Communicative English (Theory cum Practical)	Skill Development
687	22MA101	Matrices, Calculus and Ordinary Differential Equations	Skill Development
688	22PH101	Engineering Physics	Skill Development
689	22CS101	Problem Solving and C Programming	Skill Development
690	22CE201	Engineering Mechanics	Skill Development
691	22MC102	Heritage of Tamil	Skill Development

692	22CS102	Computer Practice and C Programming Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
693	22ME102	Workshop Manufacturing Practices	Entrepreneurship/ Skill development/ Employability Enhancement Courses
694	22MA201	Partial Differential Equation, Vector Calculus and Complex Variables	Skill Development
695	22CY101	Engineering Chemistry	Skill Development
696	22EE203	Basic Electrical Engineering for Metallurgy	Skill Development
697	22ME101	Engineering Graphics & Design	Skill Development
698	22HS201	Universal Human Values	Skill Development
699	22MCIN01	Engineering Sprints	Skill Development
700	22MC201	Tamils and Technology	Skill Development
701	22NC201	NCC COURSE – I (only for NCC Students)*	Skill Development
702	22EN102	Professional Skills Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
703	22PH103	Physics Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
704	22CY102	Chemistry Laboratory	Entrepreneurship/ Skill development/ Employability Enhancement Courses
705	22EE204	Basic Electrical Engineering Laboratory for Metallurgy	Entrepreneurship/ Skill development/ Employability Enhancement Courses
706	22MA306	Linear Algebra & Transforms	Skill Development
707	22MT301	Elements of Physical Metallurgy	Skill Development
708	22MT302	Mineral Dressing, Fuels & Furnaces	Skill Development
709	22MT303	Metallurgical Thermodynamics and Kinetics	Skill Development
710	22PH102	Materials Science for Engineering	Skill Development
711	22MCIN02	Innovation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
712	22CE310	Mechanics of Deformable bodies	Skill Development

713	22NC301	NCC Course – II (Only for NCC Students)*	Skill development / Employability Enhancement Courses
714	22MT304	Metallography Laboratory	Skill development / Employability Enhancement Courses
715	22MT305	Chemical Metallurgy Laboratory	Skill development / Employability Enhancement Courses
716	22MA403	Probability and Statistical Methods	Skill Development
717	22CY401	Non Metallic Materials	Skill Development
718	22MT401	Mechanical Behaviour and Testing of Materials	Skill Development
719	22MT402	Advanced Physical Metallurgy	Skill Development
720	22MT403	Heat Treatment Technology	Skill development / Employability Enhancement Courses
721	22MT404	Iron Making	Skill development / Employability Enhancement Courses
722	22MCIN03	Design Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
723	22CYMC01	Environmental Science	Skill Development
724	22MT405	Material Testing Laboratory	Skill development / Employability Enhancement Courses
725	22EN401	Placement and Soft Skills Laboratory	Skill development / Employability Enhancement Courses
726	22MT501	Forming Processes	Skill development / Employability Enhancement Courses
727	22MT502	Steel Making	Skill development / Employability Enhancement Courses
728	22MT503	Corrosion Engineering	Skill development / Employability Enhancement Courses
729	22MT504	Casting Engineering	Skill development / Employability Enhancement Courses
730	22MT505	Welding Engineering	Skill development / Employability Enhancement Courses
731	22MT506	Introduction to instrumentation	Skill development / Employability Enhancement Courses

732	22MC301	Indian Constitution	Entrepreneurship
733	22MCIN04	Ideation Sprints	Entrepreneurship/ Skill development/ Employability Enhancement Courses
734	22MT507	Heat Treatment Laboratory	Skill development / Employability Enhancement Courses
735	22MT508	Corrosion Science Laboratory	Skill development / Employability Enhancement Courses
736	22MT509	Machine Shop Practice	Entrepreneurship/ Skill development/ Employability Enhancement Courses
737	22ME601	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
738	22MEPS11	Applied Design Thinking	Entrepreneurship/ Skill development/ Employability Enhancement Courses
739	22MEPS12	Start- up Fundamentals	Entrepreneurship/ Skill development/ Employability Enhancement Courses
740	22MEPS13	Computational Hardware	Entrepreneurship/ Skill development/ Employability Enhancement Courses
741	22MEPS14	Coding for Innovators	Entrepreneurship/ Skill development/ Employability Enhancement Courses
742	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship/ Skill development/ Employability Enhancement Courses
743	22MEPS16	Industrial Automation	Entrepreneurship/ Skill development/ Employability Enhancement Courses
744	22MEPS17	Robotics	Entrepreneurship/ Skill development/ Employability Enhancement Courses
745	22GE601	Robotics/ML/MLOPs	Skill development / Employability Enhancement Courses
746	22MT701	Characterization of Materials	Skill Development
747	22MT702	Introduction of Industrial Management	Skill development / Employability Enhancement Courses
748	22MT703	Non Ferrous Extractive Metallurgy	Skill development / Employability Enhancement Courses
749	22MT703	Materials Characterization Laboratory	Skill development / Employability Enhancement Courses

750	22MT704	Computer Application in Metallurgy Laboratory	Skill development / Employability Enhancement Courses
751	22MT705	Manufacturing Processes Laboratory	Skill development / Employability Enhancement Courses
752	22MT706	Casting & Forming Processes Laboratory	Skill development / Employability Enhancement Courses
753	22MT801	Total Quality Management	Entrepreneurship/ Skill development/ Employability Enhancement Courses
754	22MT802	Project Work	Entrepreneurship/ Skill development/ Employability Enhancement Courses
755	22MTE01	Transport phenomena	Skill development / Employability Enhancement Courses
756	22MTE02	Fractography and failure Analysis	Skill development / Employability Enhancement Courses
757	22MTE03	Metallurgical kinetics	Skill development / Employability Enhancement Courses
758	22MTE04	Solidification Processing	Skill development / Employability Enhancement Courses
759	22MTE05	Fracture Mechanics	Skill development / Employability Enhancement Courses
760	22MTE06	Composite Materials	Skill development / Employability Enhancement Courses
761	22MTE07	Ceramic materials	Skill development / Employability Enhancement Courses
762	22MTE08	Metallurgy of tool Steels	Skill development / Employability Enhancement Courses
763	22MTE09	Bio and smart materials	Skill development / Employability Enhancement Courses
764	22MTE10	Continuous casting of steel	Skill development / Employability Enhancement Courses
765	22MTE11	Ferrous and Non Ferrous alloys	Skill development / Employability Enhancement Courses
766	22MTE12	Special casting Technology	Skill development / Employability Enhancement Courses

767	22MTE13	Alternate routes of Iron making	Skill development / Employability Enhancement Courses
768	22MTE14	Secondary steel making	Skill development / Employability Enhancement Courses
769	22MTE15	Powder Metallurgy	Skill development / Employability Enhancement Courses
770	22MTE16	Non Destructive Evaluation	Skill development / Employability Enhancement Courses
771	22MTE17	Severe plastic deformation	Skill development / Employability Enhancement Courses
772	22MTE18	Metallurgical waste utilization and management	Skill development / Employability Enhancement Courses
773	22MTE19	Computational Materials Engineering	Skill development / Employability Enhancement Courses
774	22MTE20	Special welding processes	Skill development / Employability Enhancement Courses
775	22MTE21	X- ray diffraction and Electron microscopy	Skill development / Employability Enhancement Courses
776	22MTE22	Electrical ,Electronics and magnetic materials	Skill development / Employability Enhancement Courses
777	22MTE23	Surface Engineering	Skill development / Employability Enhancement Courses
778	22MTE24	Additive manufacturing	Skill development / Employability Enhancement Courses
779	22MTE25	Nano Materials	Skill development / Employability Enhancement Courses
780	22MTE26	Thin films, coatings and applications	Skill development / Employability Enhancement Courses
781	22MTE27	Aerospace materials	Skill development / Employability Enhancement Courses
782	22MTE28	Modeling and simulation in material processes	Skill development / Employability Enhancement Courses
783	22MTE29	Welding Metallurgy	Skill development / Employability Enhancement Courses

784	22MTE30	Foundry Metallurgy	Skill development / Employability Enhancement Courses
785	22MTE31	Nuclear materials	Skill development / Employability Enhancement Courses
786	22MTOE01	Foundry and Welding Technology	Skill development / Employability Enhancement Courses
787	22MTOE02	Surface Engineering	Skill development / Employability Enhancement Courses
788	22MTOE03	Design and Selection of Materials	Skill development / Employability Enhancement Courses
789	22MTOE04	Nano science and Technology	Skill development / Employability Enhancement Courses
790	22MTOE05	Materials for automobile components	Skill development / Employability Enhancement Courses
791	22HMTW101	Advanced Metal Joining Processes	Skill development / Employability Enhancement Courses
792	22HMTW102	Metallurgy of Welding	Skill development / Employability Enhancement Courses
793	22HMTW103	Welding Equipment and consumables	Skill development / Employability Enhancement Courses
794	22HMTW104	Welding codes and standards	Skill development / Employability Enhancement Courses
795	22HMTW105	Automation and Robotics	Skill development / Employability Enhancement Courses
796	22HMTW106	Welding Application Technology	Skill development / Employability Enhancement Courses
797	22HMTW107	Brazing, Soldering, Surfacing and Cutting	Skill development / Employability Enhancement Courses
798	22HMTW108	Design of Weldments	Skill development / Employability Enhancement Courses
799	22HMTW109	Failure Analysis in Weldments	Skill development / Employability Enhancement Courses
800	22HMTW110	Finite Element Analysis in welding	Skill development / Employability Enhancement Courses

801	22HMTMP201	Electrical, Magnetic and Optical Materials	Skill development / Employability Enhancement Courses
802	22HMTMP202	Material Technology	Skill development / Employability Enhancement Courses
803	22HMTMP203	Polymers and Composites	Skill development / Employability Enhancement Courses
804	22HMTMP204	Design and Selection of Materials	Skill development / Employability Enhancement Courses
805	22HMTMP205	High Temperature Materials	Skill development / Employability Enhancement Courses
806	22HMTMP206	Processing of Nonmetallic Materials	Skill development / Employability Enhancement Courses
807	22HMTMP207	Biomaterials	Skill development / Employability Enhancement Courses
808	22HMTMP208	Nuclear materials	Skill development / Employability Enhancement Courses
809	22HMTMP209	Automotive and Aerospace materials	Skill development / Employability Enhancement Courses
810	22HMTMP210	Processing of Nonferrous alloys	Skill development / Employability Enhancement Courses
811	22MDMT101	Advanced Physical Metallurgy	Skill development / Employability Enhancement Courses
812	22MDMT102	Metallurgical Thermodynamics and Kinetic	Skill development / Employability Enhancement Courses
813	22MDMT103	Mechanical Behaviour of Materials	Skill development / Employability Enhancement Courses
814	22MDMT104	Rate Processes in Metallurgy	Skill development / Employability Enhancement Courses
815	22MDMT105	Corrosion and Surface Engineering	Skill development / Employability Enhancement Courses
816	22MDMT106	Characterization of Materials	Skill development / Employability Enhancement Courses
817	22MDMT107	Automotive, Aerospace and Defence Materials	Skill development / Employability Enhancement Courses

818	22MEPS11	Applied Design Thinking	Entrepreneurship
819	22MEPS12	Startup Fundamentals	Entrepreneurship
820	22MEPS13	Computational Hardware	Entrepreneurship
821	22MEPS14	Coding for Innovators	Entrepreneurship
822	22MEPS15	Industrial Design & Rapid Prototyping Techniques	Entrepreneurship
823	22MEPS16	Industrial Automation / Data Life Cycle Management	Entrepreneurship
824	22MEPS17	Robotics / ML / MLOps	Entrepreneurship
825	22NM01	Building Information Modeling	Employability Enhancement Courses
826	22NM02	Design and construction of Steel buildings	Employability Enhancement Courses
827	22NM03	High Rise Building Design	Employability Enhancement Courses
828	22NM04	Transportation Infrastructure- Airports, Metros & Seaports	Employability Enhancement Courses
829	22NM05	Machine Learning with Application to Object recognition	Employability Enhancement Courses
830	22NM06	Powering IoT using Rashberry Pi or arduyno	Employability Enhancement Courses
831	22NM07	Electrical vehicle	Employability Enhancement Courses
832	22NM08	Electrical Vehicle Charging system	Employability Enhancement Courses
833	22NM09	Smart Energy Grid	Employability Enhancement Courses
834	22NM10	Robotics simulation for Manufacturing	Employability Enhancement Courses
835	22NM11	Machine Learning	Employability Enhancement Courses
836	22NM12	Industry 4.0	Employability Enhancement Courses
837	22NM13	Cyber security	Employability Enhancement Courses
838	22NM14	Full stack	Employability Enhancement Courses
839	22NM15	AR/VR	Employability Enhancement Courses
840	22NM16	Cloud Essentials	Employability Enhancement Courses
841	22NM17	Big Data Analytics	Employability Enhancement Courses
842	22NM18	Cambridge (Department of English)	Employability Enhancement Courses

843	22NM19	Microsoft Office Fundamentals (Mechanical)	Employability Enhancement Courses
844	22NM19	Microsoft Office Fundamentals (Civil)	Employability Enhancement Courses
845	22NM19	Microsoft Office Fundamentals (EEE)	Employability Enhancement Courses
846	22NM19	Microsoft Office Fundamentals (ECE)	Employability Enhancement Courses
847	22NM19	Microsoft Office Fundamentals (CSE)	Employability Enhancement Courses
848	22NM19	Microsoft Office Fundamentals (Metallurgy)	Employability Enhancement Courses
849	22NM20	Robotic Process Automation	Employability Enhancement Courses
850	22NM21	Block chain	Employability Enhancement Courses
851	22NM22	Digital Marketing	Employability Enhancement Courses
852	22NM23	Foundation for AI, ML, FS	Employability Enhancement Courses
853	22NM24	Network Essentials	Employability Enhancement Courses
854	22NM25	Product Design and Manufacturing & 3D Surface Modelling	Employability Enhancement Courses
855	22NM26	Network Engineering	Employability Enhancement Courses
856	22NM27	Electric Vehicle Design	Employability Enhancement Courses
857	22NM28	Professional Readiness for Innovation, Employment & Entrepreneurship	Employability Enhancement Courses
858	22NM29	Smart & Advanced Manufacturing Design & Simulation	Employability Enhancement Courses
859	22NM30	Sustainable Building Design	Employability Enhancement Courses
860	22NM31	Design of solar Photovoltaic system	Employability Enhancement Courses
861	22NM32	Embedded System Design- Industrial Applications	Employability Enhancement Courses

2. PG Programmes:

S.No	Course Code	Course Name	Course on Skill Development/Employability/ Entrepreneurship
Thermal Engineering			
1	22THC11	Advanced Thermodynamics	Skill Development
2	22THC12	Advanced Fluid Dynamics	Skill Development
3	22THC13	Advanced Heat Transfer	Skill Development
4	22MLC01	Research Methodology and IPR	Entrepreneurship/ Skill development/ Employability Enhancement Courses
5	22THC14	Thermal Engineering Laboratory	Skill development / Employability Enhancement Courses
6	22THC15	Technical Seminar- I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
7	22THC21	Hydrogen and Fuel cell Technologies	Skill Development
8	22THC22	Computational Fluid Dynamics for Thermal Systems	Skill Development
9	22THC23	Instrumentation for Thermal Systems	Skill Development
10	22THC24	Analysis & Simulation Laboratory	Skill development / Employability Enhancement Courses
11	22THC25	Applied Thermal Engineering Laboratory	Skill development / Employability Enhancement Courses
12	22THC26	Technical Seminar- II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
13	22THC31	Dissertation Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
14	22THC41	Dissertation Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
15	22CDE11	Advanced Mathematical Methods in Engineering	Skill development / Employability Enhancement Courses
16	22THE11	Combustion in IC Engines	Skill development / Employability Enhancement Courses

17	22THE12	Thermal management of Electric Vehicle Battery Systems	Skill development / Employability Enhancement Courses
18	22THE13	Nuclear Engineering	Skill development / Employability Enhancement Courses
19	22THE14	Boundary Layer Theory and Turbulence	Skill development / Employability Enhancement Courses
20	22THE21	Air Conditioning System Design	Skill development / Employability Enhancement Courses
21	22THE22	Bio Energy Technologies	Skill development / Employability Enhancement Courses
22	22THE23	Optimization Techniques in Engineering	Skill development / Employability Enhancement Courses
23	22THE24	Electric and Hybrid Vehicle Technology	Skill development / Employability Enhancement Courses
24	22THE25	Alternate Fuels for IC Engines	Skill development / Employability Enhancement Courses
25	22THE31	Advanced Energy Storage Technologies Refrigeration systems	Skill development / Employability Enhancement Courses
26	22THE32	Refrigeration systems	Skill development / Employability Enhancement Courses
27	22THE33	Advanced Power Plant Engineering	Skill development / Employability Enhancement Courses
28	22THE34	Electronic Engine Management Systems	Skill development / Employability Enhancement Courses
29	22THE35	Design of Heat Exchangers	Skill development / Employability Enhancement Courses
30	22THE41	Solar Power Plants	Skill development / Employability Enhancement Courses
31	22THE42	Cryogenic Engineering	Skill development / Employability Enhancement Courses
32	22THE43	Renewable Energy Systems	Skill development / Employability Enhancement Courses
33	22THE44	Materials For Solar Devices	Skill development / Employability Enhancement Courses

34	22THE45	Energy Systems Modelling & Analysis	Skill development / Employability Enhancement Courses
35	22THE51	Design of Solar and Wind Systems	Skill development / Employability Enhancement Courses
36	22THE52	Design and Analysis of Turbo machines	Skill development / Employability Enhancement Courses
37	22THE53	Fire Engineering and Explosion control	Skill development / Employability Enhancement Courses
38	22THE54	Waste to Energy	Skill development / Employability Enhancement Courses
39	22THE55	Solar Refrigeration and Air-conditioning	Skill development / Employability Enhancement Courses
40	22THE61	Environmental And Pollution control	Skill development / Employability Enhancement Courses
41	22THE62	Nanotechnology	Skill development / Employability Enhancement Courses
42	22THE63	Solar Energy for Industrial Process Heating	Skill development / Employability Enhancement Courses
43	22THE64	Energy Efficient Buildings Design	Skill development / Employability Enhancement Courses
44	22THE65	Analysis Of Thermal Power Cycles	Skill development / Employability Enhancement Courses
45	22THE71	Energy Forecasting, Modeling and Project Management	Skill development / Employability Enhancement Courses
46	22THE72	Energy Management and Environmental Benefits	Skill development / Employability Enhancement Courses
47	22THE73	Solar Energy Appliances	Skill development / Employability Enhancement Courses
48	22THE74	Cost Management of Engineering Projects	Skill development / Employability Enhancement Courses
49	22THE75	Advanced Composite materials	Skill development / Employability Enhancement Courses
50	22AC01	English for Research Paper Writing	Entrepreneurship
51	22AC02	Disaster Management	Entrepreneurship

52	22AC03	Sanskrit for Technical Knowledge	Entrepreneurship
53	22AC04	Value Education	Entrepreneurship
54	22AC05	Constitution of India	Entrepreneurship
55	22AC06	Pedagogy Studies	Entrepreneurship
56	22AC07	Stress Management by Yoga	Entrepreneurship
57	22AC08	Personality Development through Life Enlightenment Skills	Entrepreneurship

Computer Aided Design

58	22CDC11	Concepts of Engineering Design	Skill Development
59	22CDC12	Computer Aided Modeling and Design	Skill Development
60	22CDC13	Advanced Mechanics of Materials	Skill Development
61	22MLC01	Research Methodology and IPR	Skill development / Employability Enhancement Courses
62	22CDC14	CAD Modeling and Drafting Laboratory	Skill development / Employability Enhancement Courses
63	22CDC15	Technical Seminar-I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
64	22CDC21	Finite Element Methods in Design	Skill development / Employability Enhancement Courses
65	22CDC22	Mechanical Vibrations and Acoustics	Skill Development
66	22CDC23	Solid Freeform Manufacturing	Skill Development
67	22CDC24	Finite Element Analysis Laboratory	Skill development / Employability Enhancement Courses
68	22CDC25	CAM and Robotics Laboratory	Skill development / Employability Enhancement Courses
69	22CDC26	Technical Seminar-II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
70	22CDC31	Dissertation Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
71	22CDC41	Dissertation Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses

72	22CDE11	Advanced Mathematical Methods in Engineering	Skill development / Employability Enhancement Courses
73	22CDE12	Advanced Composite Materials	Skill development / Employability Enhancement Courses
74	22CDE13	Product Lifecycle Management	Skill development / Employability Enhancement Courses
75	22CDE14	Advanced Engineering Materials	Skill development / Employability Enhancement Courses
76	22CDE15	Experimental Stress Analysis	Skill development / Employability Enhancement Courses
77	22CDE21	Advanced Kinematics of Mechanisms	Skill development / Employability Enhancement Courses
78	22CDE22	Advanced Tool Design	Skill development / Employability Enhancement Courses
79	22CDE23	Industry 4.0	Skill development / Employability Enhancement Courses
80	22CDE24	Mechanics of Fracture	Skill development / Employability Enhancement Courses
81	22CDE25	Design for Manufacturing, Assembly	Skill development / Employability Enhancement Courses
82	22CDE31	Productivity Management and Re-engineering	Skill development / Employability Enhancement Courses
83	22CDE32	Theory of Plates and Shells	Skill development / Employability Enhancement Courses
84	22CDE33	Optimization Techniques in Design	Skill development / Employability Enhancement Courses
85	22CDE34	Computational Fluid Dynamics	Skill development / Employability Enhancement Courses
86	22CDE35	Supply Chain Management	Skill development / Employability Enhancement Courses
87	22CDE41	Experimental Techniques and Data analysis	Skill development / Employability Enhancement Courses
88	22CDE42	CAD/CAM tools	Skill development / Employability Enhancement Courses

89	22CDE43	Contact Mechanics	Skill development / Employability Enhancement Courses
90	22CDE44	Advanced Automotive Systems	Skill development / Employability Enhancement Courses
91	22CDE45	Design of Material Handling Equipment	Skill development / Employability Enhancement Courses
92	22CDE51	MEMS & NEMS Technology	Skill development / Employability Enhancement Courses
93	22CDE52	Enterprise Resource Planning	Skill development / Employability Enhancement Courses
94	22CDE53	Mechatronics System Design	Skill development / Employability Enhancement Courses
95	22CDE54	Failure Analysis	Skill development / Employability Enhancement Courses
96	22CDE55	Maintenance Engineering	Skill development / Employability Enhancement Courses
97	22CDE61	Integrated Product and Processes Development	Skill development / Employability Enhancement Courses
98	22CDE62	Industrial Safety Management	Skill development / Employability Enhancement Courses
99	22CDE63	Reliability in Engineering Systems	Skill development / Employability Enhancement Courses
100	22CDE64	Mechanical Measurement and Analysis	Skill development / Employability Enhancement Courses
101	22CDE65	Ergonomics in Manufacturing	Skill development / Employability Enhancement Courses
102	22CDE71	Quality concepts in design	Skill development / Employability Enhancement Courses
103	22CDE72	Design of Pressure Vessels	Skill development / Employability Enhancement Courses
104	22CDE73	Plasticity and Metal Forming	Skill development / Employability Enhancement Courses
105	22CDE74	Nano Materials Technology	Skill development / Employability Enhancement Courses

106	22CDE75	Tribology in design	Skill development / Employability Enhancement Courses
107	22AC01	English for Research Paper Writing	Entrepreneurship
108	22AC02	Disaster Management	Entrepreneurship
109	22AC03	Sanskrit for Technical Knowledge	Entrepreneurship
110	22AC04	Value Education	Entrepreneurship
111	22AC05	Constitution of India	Entrepreneurship
112	22AC06	Pedagogy Studies	Entrepreneurship
113	22AC07	Stress Management by Yoga	Entrepreneurship
114	22AC08	Personality Development through Life Enlightenment Skills	Entrepreneurship
Structural Engineering			
115	22STC11	Advanced Structural Analysis	Skill Development
116	22STC12	Theory of Elasticity and Plasticity	Skill Development
117	22STC13	Structural Design Lab	Skill development / Employability Enhancement Courses
118	22STC14	Concrete and Experimental Stress Analysis Lab	Skill development / Employability Enhancement Courses
119	22MLC01	Research Methodology and IPR	Skill development / Employability Enhancement Courses
120	22STC21	Finite Element Method in Structural Engineering	Skill Development
121	22STC22	Structural Dynamics	Skill Development
122	22STC23	Model Testing Lab	Skill development / Employability Enhancement Courses
123	22STC24	Numerical Analysis Lab	Skill development / Employability Enhancement Courses
124	22STC25	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
125	22STC31	Dissertation Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
126	22STC41	Dissertation Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses

127	22STE11	Theory of Thin Plates and Shells	Skill development / Employability Enhancement Courses
128	22STE12	Theory and Applications of Cement Composites	Skill development / Employability Enhancement Courses
129	22STE13	Theory of Structural Stability	Skill development / Employability Enhancement Courses
130	22STE14	Corrosion and its Prevention	Skill development / Employability Enhancement Courses
131	22STE21	Analytical and Numerical Methods for Structural Engineering	Skill development / Employability Enhancement Courses
132	22STE22	Structural Health Monitoring	Skill development / Employability Enhancement Courses
133	22STE23	Structural Optimization	Skill development / Employability Enhancement Courses
134	22STE24	Experimental Techniques and Instrumentation	Skill development / Employability Enhancement Courses
135	22STE31	Advanced Steel Design	Skill development / Employability Enhancement Courses
136	22STE32	Design of Formwork	Skill development / Employability Enhancement Courses
137	22STE33	Design of High Rise Structures	Skill development / Employability Enhancement Courses
138	22STE34	Design of Masonry Structures	Skill development / Employability Enhancement Courses
139	22STE35	Design of Prefabricated Structures	Skill development / Employability Enhancement Courses
140	22STE36	Design of Steel - Concrete Composite Structures	Skill development / Employability Enhancement Courses
141	22STE41	Design of Advanced Concrete Structures	Skill development / Employability Enhancement Courses
142	22STE42	Advanced Design of Foundations	Skill development / Employability Enhancement Courses
143	22STE43	Design of Industrial Structures	Skill development / Employability Enhancement Courses

144	22STE44	Sub Structure Design	Skill development / Employability Enhancement Courses
145	22STE45	Design and Construction of Ferrocement Structures	Skill development / Employability Enhancement Courses
146	22STE51	Design of Prestressed Concrete Structures	Skill development / Employability Enhancement Courses
147	22STE52	Analysis of Laminated Composite Plates	Skill development / Employability Enhancement Courses
148	22STE53	Fracture Mechanics of Concrete Structures	Skill development / Employability Enhancement Courses
149	22STE54	Design of Plates and Shells	Skill development / Employability Enhancement Courses
150	22STE55	Design of Bridges	Skill development / Employability Enhancement Courses
151	22STE56	Modern Construction Materials	Skill development / Employability Enhancement Courses
152	22STE61	Advanced Concrete Technology	Skill development / Employability Enhancement Courses
153	22STE62	Disaster Resistant Structures	Skill development / Employability Enhancement Courses
154	22STE63	Soil Structure Interaction	Skill development / Employability Enhancement Courses
155	22STE64	Environmental Engineering and Offshore Structures	Skill development / Employability Enhancement Courses
156	22STE65	Wind and Cyclone Effects on Structures	Skill development / Employability Enhancement Courses
157	22AC01	English for Research Paper Writing	Entrepreneurship
158	22AC02	Disaster Management	Entrepreneurship
159	22AC03	Sanskrit for Technical Knowledge	Entrepreneurship
160	22AC04	Value Addition	Entrepreneurship
161	22AC05	Constitution of India	Entrepreneurship
162	22AC06	Pedagogy Studies	Entrepreneurship
163	22AC07	Stress Management by Yoga	Entrepreneurship

164	22AC08	Personality Development through Life Enlightenment Skills	Entrepreneurship

		Welding Technology	
165	22WTC11	Advanced Mathematics and Statistics	Skill Development
166	22WTC12	Welding Processes – I	Skill Development
167	22WTC13	Metallography Lab	Skill development / Employability Enhancement Courses
168	22WTC14	Joining Lab	Skill development / Employability Enhancement Courses
169	22MLC01	Research Methodology and IPR	Skill development / Employability Enhancement Courses
170	22WTC21	Welding Processes – II	Skill Development
171	22WTC22	Welding Metallurgy	Skill Development
172	22WTC23	Quality Control in Weldments Lab	Skill development / Employability Enhancement Courses
173	22WTC24	Characterization Lab	Skill development / Employability Enhancement Courses
174	22WTC25	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
175	22WTC31	Project Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
176	22WTC41	Project Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
177	22WTE01	Physical Metallurgy and Heat Treatment	Skill development / Employability Enhancement Courses
178	22WTE02	Welding Economics, Management and Safety	Skill development / Employability Enhancement Courses
179	22WTE03	Composite Materials	Skill development / Employability Enhancement Courses
180	22WTE04	Materials Characterization	Skill development / Employability Enhancement Courses
181	22WTE05	Failure Analysis in Weldments	Skill development / Employability Enhancement Courses

182	22WTE06	Testing and Inspection of Materials	Skill development / Employability Enhancement Courses
183	22WTE07	Non - metallic Materials	Skill development / Employability Enhancement Courses
184	22WTE08	Finite Element Analysis	Skill development / Employability Enhancement Courses
185	22WTE09	Electrical Aspects of Welding	Skill development / Employability Enhancement Courses
186	22WTE10	Total Quality System and Engineering	Skill development / Employability Enhancement Courses
187	22WTE11	Automation and Robots in Welding	Skill development / Employability Enhancement Courses
188	22WTE12	Welding Application Technology	Skill development / Employability Enhancement Courses
189	22WTE13	Brazing, Soldering, Surfacing and Cutting	Skill development / Employability Enhancement Courses
190	22WTE14	Corrosion and Surface Engineering	Skill development / Employability Enhancement Courses
191	22WTE15	Design of Weldments	Skill development / Employability Enhancement Courses
192	22WTE16	Industrial Safety	Skill development / Employability Enhancement Courses
193	22WTE17	Welding Codes and Standards	Skill development / Employability Enhancement Courses
194	22WTE18	Foundry Processes and Metallurgy	Skill development / Employability Enhancement Courses
195	22WTE19	Forming Processes	Skill development / Employability Enhancement Courses
196	22AC01	English for Research Paper Writing	Entrepreneurship
197	22AC02	Disaster Management	Entrepreneurship
198	22AC03	Sanskrit for Technical Knowledge	Entrepreneurship
199	22AC04	Value Education	Entrepreneurship
200	22AC05	Constitution of India	Entrepreneurship
201	22AC06	Pedagogy Studies	Entrepreneurship

202	22AC07	Stress Management by Yoga	Entrepreneurship
203	22AC08	Personality Development through Life Enlightenment Skills	Entrepreneurship
Power Electronics and Drives			
204	22PEC11	Power Semiconductor Devices and Components	Skill Development
205	22PEC12	Analysis of Power Converters	Skill Development
206	22PEC13	Advanced Power Electronics Laboratory	Skill development / Employability Enhancement Courses
207	22PEC14	Advanced Digital Control Laboratory	Skill development / Employability Enhancement Courses
208	22MLC01	Research Methodology and IPR	Skill development / Employability Enhancement Courses
209	22PEC21	Modelling and Analysis of Electrical Machines	Skill Development
210	22PEC22	Modern Electrical Drives	Skill Development
211	22PEC23	Power Electronics for Renewable Energy System Laboratory	Skill development / Employability Enhancement Courses
212	22PEC24	Advanced Electrical Drives Laboratory	Skill development / Employability Enhancement Courses
213	22PEC25	Mini Project With Seminar	Entrepreneurship/ Skill development/ Employability Enhancement Courses
214	22PEC31	Dissertation Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
215	22PEC41	Dissertation Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
216	22PEE11	Advanced Microcontroller Based System Design	Skill development / Employability Enhancement Courses
217	22PEE12	Applied Mathematics for Electrical Engineering	Skill development / Employability Enhancement Courses
218	22PEE13	System Theory	Skill development / Employability Enhancement Courses
219	22PEE14	Artificial Intelligence and Machine Learning	Skill development / Employability Enhancement Courses

220	22PEE15	Digital Control System	Skill development / Employability Enhancement Courses
221	22PEE21	Advanced Power Electronic Circuits	Skill development / Employability Enhancement Courses
222	22PEE22	Applied Digital Control for Power Electronics	Skill development / Employability Enhancement Courses
223	22PEE23	Modern Rectifiers and Resonant Converters	Skill development / Employability Enhancement Courses
224	22PEE24	Modulation Control for Power Converters	Skill development / Employability Enhancement Courses
225	22PEE25	Design of Power Converters	Skill development / Employability Enhancement Courses
226	22PEE31	Advanced Power Quality	Skill development / Employability Enhancement Courses
227	22PEE32	Harmonics and Filters for Power Electronic Circuits	Skill development / Employability Enhancement Courses
228	22PEE33	Energy Conservation, Auditing and Management	Skill development / Employability Enhancement Courses
229	22PEE34	Special Electrical Machines and Drives	Skill development / Employability Enhancement Courses
230	22PEE35	Digital Simulation of Power Electronics System	Skill development / Employability Enhancement Courses
231	22PEE36	Modeling of Switched Mode Power Converters	Skill development / Employability Enhancement Courses
232	22PEE41	Solar Photo Voltaic System	Skill development / Employability Enhancement Courses
233	22PEE42	Optimization Techniques	Skill development / Employability Enhancement Courses
234	22PEE43	Dynamics of Power Converters	Skill development / Employability Enhancement Courses
235	22PEE44	Wind Energy Conversion System	Skill development / Employability Enhancement Courses
236	22PEE45	Power Electronics for Renewable Energy System	Skill development / Employability Enhancement Courses

237	22PEE51	Smart Grid Technology	Skill development / Employability Enhancement Courses
238	22PEE52	Distributed Generation and Micro Grid	Skill development / Employability Enhancement Courses
239	22PEE53	FACTS Controllers	Skill development / Employability Enhancement Courses
240	22PEE54	HVDC Transmission Systems	Skill development / Employability Enhancement Courses
241	22PEE55	SCADA Systems and Applications	Skill development / Employability Enhancement Courses
242	22PEE61	Electric Vehicles and Power Management	Skill development / Employability Enhancement Courses
243	22PEE62	Grid Integration of Renewable Energy Sources	Skill development / Employability Enhancement Courses
244	22PEE63	Energy Storage Technologies	Skill development / Employability Enhancement Courses
245	22PEE64	Internet of Things for Smart System	Skill development / Employability Enhancement Courses
246	22PEE65	Digital Signal Processors for Power Converters	Skill development / Employability Enhancement Courses
247	22AC01	English for Research paper writing	Entrepreneurship
248	22AC02	Disaster Management	Entrepreneurship
249	22AC03	Sanskrit for Technical Knowledge	Entrepreneurship
250	22AC04	Value Education	Entrepreneurship
251	22AC05	Constitution of India	Entrepreneurship
252	22AC06	Pedagogy Studies	Entrepreneurship
253	22AC07	Stress Management by Yoga	Entrepreneurship
254	22AC08	Personality Development through Life Enlightenment Skills	Entrepreneurship
Communication Systems			
255	22COC11	Antennas and Radiating Systems	Skill Development
256	22COC12	Advanced Digital Communication Techniques	Skill Development

257	22MLC01	Research Methodology and IPR	Skill development / Employability Enhancement Courses
258	22COC13	Antennas and Radiating Systems lab	Skill development / Employability Enhancement Courses
259	22COC14	Advanced Digital Communication Systems Lab	Skill development / Employability Enhancement Courses
260	22COC21	RF and Microwave Circuit Design	Skill Development
261	22COC22	Advanced Digital Signal Processing	Skill Development
262	22COC23	Advanced Digital Signal Processing Lab	Skill development / Employability Enhancement Courses
263	22COC24	Mini Project	Entrepreneurship/ Skill development/ Employability Enhancement Courses
264	22CO301	Dissertation Phase – I	Entrepreneurship/ Skill development/ Employability Enhancement Courses
265	22CO401	Dissertation Phase – II	Entrepreneurship/ Skill development/ Employability Enhancement Courses
266	22COE11	Multimedia Compression Techniques	Skill development / Employability Enhancement Courses
267	22COE12	Advanced Communication Networks	Skill development / Employability Enhancement Courses
268	22COE13	Wireless Sensor Networks	Skill development / Employability Enhancement Courses
269	22COE14	Deep Learning	Skill development / Employability Enhancement Courses
270	22COE21	Signal Detection and Estimation	Skill development / Employability Enhancement Courses
271	22COE22	Optical Networks	Skill development / Employability Enhancement Courses
272	22COE23	Satellite Communication and Navigation Systems	Skill development / Employability Enhancement Courses
273	22COE24	Cloud Computing Technologies	Skill development / Employability Enhancement Courses
274	22COE31	Wireless and Mobile Communication	Skill development / Employability Enhancement Courses

275	22COE32	Pattern Recognition and Machine learning	Skill development / Employability Enhancement Courses
276	22COE33	Voice and data networks	Skill development / Employability Enhancement Courses
277	22COE34	Digital Image and Video Processing	Skill development / Employability Enhancement Courses
278	22COE41	Spread Spectrum Communication	Skill development / Employability Enhancement Courses
279	22COE42	MIMO System	Skill development / Employability Enhancement Courses
280	22COE43	High Performance Networks	Skill development / Employability Enhancement Courses
281	22COE44	5G Communication Networks	Skill development / Employability Enhancement Courses
282	22COE51	DSP Architecture	Skill development / Employability Enhancement Courses
283	22COE52	Electromagnetic Interference and Compatibility	Skill development / Employability Enhancement Courses
284	22COE53	Radar Signal Processing	Skill development / Employability Enhancement Courses
285	22COE54	Natural Language Processing	Skill development / Employability Enhancement Courses
286	22COE61	Cognitive Radio	Skill development / Employability Enhancement Courses
287	22COE62	Internet of Things	Skill development / Employability Enhancement Courses
288	22COE63	VLSI for Wireless Communication	Skill development / Employability Enhancement Courses
289	22COE64	Cryptography and Network Security	Skill development / Employability Enhancement Courses
290	22COE71	Remote Sensing	Skill development / Employability Enhancement Courses
291	22COE72	Wavelet signal processing	Skill development / Employability Enhancement Courses

292	22COE73	Bio Mems	Skill development / Employability Enhancement Courses
293	22COE74	Big Data Technologies	Skill development / Employability Enhancement Courses
294	22AC11	Stress Management	Entrepreneurship
295	22AC12	Disaster Management	Entrepreneurship
296	22AC13	Constitution of India	Entrepreneurship
297	22AC21	English for Research Paper Writing	Entrepreneurship
298	22AC22	Pedagogy Studies	Entrepreneurship
299	22AC23	Personality Development through Life Enlightenment Skills.	Entrepreneurship