

## LIST OF COURSES REGISTERED BY THE STUDENTS (Updated on 28-02-2022)

B.Tech./B.Arch, Odd Semester, 2021-22

## ALL COURSES

S.No.	Crs. No.	Course Title	Credits	POPULATION			
				Mode a	Mode b	Mode c	Total
1	ACA3110	Engineering Materials	4	12	0	0	12
2	ACO3080	Atmospheric Chemistry	4	63	0	0	63
3	ACS1110	Applied Chemistry	4	246	13	1	260
4	ACS1910	Applied Chemistry Lab	1.5	246	8	0	254
5	ACS2010	Food Chemistry and Nutrition	4	17	0	0	17
6	AM252	Higher Mathematics-II	4	0	1	0	1
7	AMO3510	Numerical Techniques	4	61	0	1	62
8	AMS1110	Applied Mathematics-I	4	507	29	4	540
9	AMS2110	Mathematics-III	3	59	1	0	60
10	AMS2230	Higher Mathematics	4	69	3	0	72
11	AMS2310	Higher Mathematics	4	93	4	0	97
12	AMS2410	Higher Mathematics	4	38	3	1	42
13	AMS2430	Advanced Engineering Mathematics	4	17	0	0	17
14	AMS2510	Higher Mathematics - I	4	61	1	0	62
15	AMS2520	Higher Mathematics - II	4	61	1	0	62
16	AMS2610	Higher Mathematics	4	62	3	0	65
17	AP111	Applied Physics	4	0	1	0	1
18	AP194	Applied Physics Lab	2	0	1	0	1
19	APO3090	Nano-physics & Nano-technology-I	4	21	0	0	21
20	APS1110	Applied Physics	4	237	13	1	251
21	APS1910	Applied Physics Lab	1.5	237	6	0	243
22	APS2050	Electrical Engineering Materials	3	69	2	0	71
23	ARC1010	Principles and Philosophy of Architecture	4	22	0	0	22
24	ARC1310	Architectural Drawing - I	5	22	0	0	22
25	ARC1610	Basic Design and Visual Appreciation	7	22	0	0	22
26	ARC2030	Climate & Design	4	19	1	0	20
27	ARC2050	Building Services – I (Water Supply and Sanitation)	3	19	1	0	20
28	ARC2070	Ancient Architecture (Indian and Far East)	3	19	1	0	20
29	ARC2330	Construction and Materials - II	5	19	1	0	20
30	ARC2630	Architecture Design - II	7	19	1	0	20
31	ARC2910	Model Making & Photography	2	19	1	0	20
32	ARC2930	Computer Application in Architecture – I	2	19	1	0	20
33	ARC3090	Building Bye Laws & Regulations	3	23	0	0	23
34	ARC3110	Islamic Architecture	3	23	0	0	23
35	ARC3130	Specification Estimating & Costing	4	23	0	0	23
36	ARC3150	Building Services – III (Mechanical)	3	23	0	0	23
37	ARC3650	Architectural Design - IV	7	23	0	0	23
38	ARC3950	Building Study	2	23	0	0	23
39	ARC4170	Modern & Contemporary Architecture	3	21	0	0	21

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				Mode a	Mode b	Mode c	Total
40	ARC4430	Construction & Materials - V	5	21	0	0	21
41	ARC4450	Landscape Design	4	21	0	0	21
42	ARC4670	Architectural Design - VI	7	21	0	0	21
43	ARC4810	Professional Training - I	2	21	0	0	21
44	ARC5190	Professional Practice, Valuation and Arbitration	4	24	0	0	24
45	ARC5300	Design Thesis	15	24	0	0	24
46	ARE5230	Housing & Community Planning	4	24	0	0	24
47	CE311	Design of Concrete Structure-I	4	0	1	0	1
48	CE315	Structural Analysis-I	4	0	1	0	1
49	CE316	Engineering Hydraulics-I	4	0	1	0	1
50	CE413	Foundation Engineering	4	0	1	0	1
51	CE415	Irrigation Engineering	4	0	1	0	1
52	CE444N	Disaster Management	4	0	1	0	1
53	CE484	Project Management	4	1	0	0	1
54	CEA1110	Environmental Studies	3	247	4	0	251
55	CEA1120	Strength of Materials	3	259	16	2	277
56	CEA2140	Engineering Geology	4	59	2	0	61
57	CEA2930	Engineering Geology Lab & camp	2	59	0	0	59
58	CEA3110	Structural Design - I	4	23	0	0	23
59	CEC2130	Fluid Mechanics	4	59	4	3	66
60	CEC2150	Quantity Survey	4	59	4	1	64
61	CEC2160	Civil Engineering Materials and Construction Practice	4	59	9	0	68
62	CEC2910	Civil Engineering Material Lab	2	59	0	0	59
63	CEC2920	Fluid Mechanics Lab	2	59	1	0	60
64	CEC3110	Design of Concrete Structures-I	4	74	1	0	75
65	CEC3120	Soil Mechanics	4	74	1	0	75
66	CEC3130	Environmental Engineering II	4	74	1	0	75
67	CEC3140	Engineering Hydraulics-I	4	74	1	0	75
68	CEC3150	Structural Analysis-I	4	75	1	0	76
69	CEC3910	Soil Mechanics Lab	2	74	1	0	75
70	CEC3920	Environmental Engineering Lab	2	74	1	0	75
71	CEC3930	Hydraulics Lab	2	74	1	0	75
72	CEC3940	Structures Lab	2	74	1	0	75
73	CEC4120	Foundation Engineering	4	77	0	0	77
74	CEC4130	Irrigation Engineering	4	77	0	0	77
75	CEC4810	Colloquium	2	77	0	0	77
76	CEC4910	Cad Lab-II	2	77	0	0	77
77	CEC4980	Project Phase I	4	77	0	0	77
78	CEE4580	Dam Engineering	4	53	0	0	53
79	CEE4590	Industrial Pollution Control	4	45	0	0	45
80	CEH4110	Construction Management II	4	77	0	0	77

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				Mode a	Mode b	Mode c	Total
81	CEO4710	Disaster Management	4	62	0	0	62
82	CEO4750	Project Management	4	62	0	0	62
83	CHA2010	Basic Principles of Chemical Engg.	4	17	0	0	17
84	CHA2020	Biology for Engineers	3	20	2	0	22
85	CHA2030	Fluid Mechanics	4	17	0	0	17
86	CHC2010	Basic Principles of Chemical Engg.	4	21	2	1	24
87	CHC2030	Fluid Mechanics	4	20	0	0	20
88	CHC2040	Fluid Particle Operations	4	20	4	0	24
89	CHC2900	Computer Applications Lab	1.5	20	0	0	20
90	CHC3080	Mass Transfer Operations	4	33	0	0	33
91	CHC3090	Process Instrumentation	3	33	0	0	33
92	CHC3100	Chemical Reaction Engineering-I	3	33	0	0	33
93	CHC3110	Equilibrium Stage Processes	4	33	0	0	33
94	CHC3800	Seminar and Report Writing	1.5	33	3	0	36
95	CHC3940	Heat Transfer Lab	1.5	33	0	0	33
96	CHC3950	Reaction Engg. & Thermodynamics Lab	1.5	33	0	0	33
97	CHC4190	Process Engineering & Plant Design	4	25	1	0	26
98	CHC4200	Chemical Process Industries -II	3	25	1	0	26
99	CHC4900	CAD/Simulation Lab	1.5	25	1	0	26
100	CHC4970	Plant Design Project A	3	25	0	0	25
101	CHC4990	Process Control & Instrumentation Lab	1.5	25	0	0	25
102	CHE3210	Bio Process Engineering	4	33	0	0	33
103	CHE4430	Petroleum Processing	4	25	1	0	26
104	CHO4260	MATLAB for Scientist & Engineers	4	44	0	0	44
105	CO191	Computer Programming Lab	2	0	1	0	1
106	CO207	Logic Theory & Computer Organization	4	0	2	0	2
107	CO310	Operating Systems	4	0	1	0	1
108	CO393	Software Lab I	2	0	1	0	1
109	CO395	Minor Project	3	0	1	0	1
110	CO406	Compiler Design	4	0	1	0	1
111	CO431	Internet Tools	4	0	1	0	1
112	CO446N	Select. Topics in Computer Engg.-I	4	1	0	0	1
113	CO458	Cloud Computing	4	0	1	0	1
114	CO461	Principles of Machine Learning	4	0	1	0	1
115	CO495	Network & Embedded System Lab	2	0	1	0	1
116	CO499A	Project Phase-I	4	0	1	0	1
117	COA1910	Computer Programming Lab	1.5	246	10	0	256
118	COC2030	Object Oriented Programming	4	62	2	0	64
119	COC2060	Data Structure and Algorithm	4	62	4	0	66
120	COC2070	Digital Logic and System Design	4	62	3	0	65
121	COC2910	Data Structure & OOP Laboratory	2	62	2	0	64

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122	COC3080	Digital Electronics	4	66	0	0	66
123	COC3090	Microprocessor Theory & Applications	4	66	0	0	66
124	COC3100	Operating Systems	4	66	0	0	66
125	COC3930	Algorithms & Operating Systems Lab	2	66	3	0	69
126	COC3950	Minor Project	3	66	0	0	66
127	COC4010	Information Security	4	64	0	0	64
128	COC4060	Compiler Design	4	64	0	0	64
129	COC4950	Network & Embedded System Lab	2	64	1	0	65
130	COC4980	B.Tech Project Part-I	4	64	0	0	64
131	COE4310	Internet Tools	4	79	0	0	79
132	COE4580	Cloud Computing	4	81	1	0	82
133	COE4600	Principles of Cyber Physical Systems	4	31	0	0	31
134	COE4610	Principles of Machine Learning	4	44	0	0	44
135	COO4460	Select. Topics in Computer Engg.-I	4	49	0	0	49
136	EEA1110	Principles of Electrical Engineering	3	246	12	1	259
137	EEA2010	Electrical Engineering	4	0	1	0	1
138	EEA2030	Electrical Engineering	3	20	1	0	21
139	EEA2960	Electrical Engineering Lab	1.5	20	0	0	20
140	EEA3010	Automation & Control	4	90	1	0	91
141	EEC2110	Electrical Machines-I	4	69	3	0	72
142	EEC2710	Circuit Theory	4	69	2	0	71
143	EEC2720	Electromagnetic Field Theory	4	69	6	0	75
144	EEC2730	Signals & Systems	3	69	5	0	74
145	EEC2910	Electrical Machines Lab I	2	69	0	0	69
146	EEC3210	Power Electronics-II	4	72	1	0	73
147	EEC3310	Power System Analysis	4	72	0	1	73
148	EEC3510	Electrical & Electronic Instr.	3	72	0	0	72
149	EEC3610	High Voltage Engineering	3	72	0	0	72
150	EEC3910	Power Electronics Lab	2	72	0	0	72
151	EEC4310	Power System Protection	4	72	0	0	72
152	EEC4410	Control Systems	4	72	0	0	72
153	EEC4910	Power System Protection Lab	2	72	0	0	72
154	EEC4920	Control Lab	2	72	0	0	72
155	EEC4930	Electric Machine Design	2	72	0	0	72
156	EEC4940	Power System Design	2	72	0	0	72
157	EEC4980	Project Phase-I	2	72	0	0	72
158	EEE4210	Power Semiconductor Controllers	3	62	0	0	62
159	EEE4310	Power Station Practice	3	64	0	0	64
160	EEE4520	Process Instrumentation & Control	3	77	0	0	77
161	EEE4720	Machine Learning	3	38	0	0	38
162	EL211N	Electronic Devices	4	0	1	0	1

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				Mode a	Mode b	Mode c	Total
163	EL212	Circuit Theory	4	0	2	0	2
164	EL213	Analog Electronics	4	0	1	0	1
165	EL222	Electronic Instrumentation	4	0	1	0	1
166	EL231	Logic Circuits	4	1	0	0	1
167	EL241	Signals & Systems	4	0	1	0	1
168	EL315	VLSI Design & Technology	4	0	2	0	2
169	EL332	Microprocessors & Microcontrollers	4	0	1	0	1
170	EL354	Microwaves and Antennas	4	0	1	0	1
171	EL380	Colloquium	2	0	1	0	1
172	EL395	Electronics Lab III	2	0	1	0	1
173	EL490B	Project Phase-II	4	1	0	0	1
174	ELA1110	Principles of Electronics Engineering	3	237	7	0	244
175	ELA2110	Electronic Devices & Circuits	4	62	2	0	64
176	ELA3020	Fundamentals of Communication Engineering	4	72	0	1	73
177	ELA3400	Communication Engineering	4	66	0	0	66
178	ELA3910	Electronics Engg. Lab	2	72	0	0	72
179	ELC2110	Electronic Devices & Circuits	4	61	1	0	62
180	ELC2120	Circuit Theory	4	61	0	0	61
181	ELC2130	Digital Electronics	4	0	1	0	1
182	ELC2140	Electronic Circuits	4	0	1	0	1
183	ELC2310	Logic Circuits	4	61	4	0	65
184	ELC2410	Signals and Systems	4	61	2	0	63
185	ELC2910	Electronics Lab- I	2	61	0	0	61
186	ELC2920	Electronics Lab II	1.5	0	1	0	1
187	ELC3110	Analog Electronics	4	55	0	1	56
188	ELC3210	Control Systems	4	55	0	0	55
189	ELC3310	Microprocessors & Microcontrollers	4	55	0	1	56
190	ELC3410	Principles of Communication Engineering II	4	55	0	0	55
191	ELC3510	Microwaves and Antennas	4	55	0	1	56
192	ELC3610	VLSI Design & Technology	4	55	1	0	56
193	ELC3910	Electronics Lab - III	2	55	0	0	55
194	ELC3920	Communication Lab - I	2	55	0	0	55
195	ELC4410	Communication Networks	4	62	0	0	62
196	ELC4810	Colloquium	2	62	0	0	62
197	ELC4910	VLSI and Signal Processing Lab	2	62	0	0	62
198	ELC4980	Project Phase I	3	62	0	0	62
199	ELE4520	Mobile Communication	4	57	0	0	57
200	ELE4610	Analog IC Design	4	6	0	0	6
201	ELE4620	Digital IC Design	4	61	0	0	61
202	ELO4310	Artificial Intelligence & Neural Networks	4	66	0	0	66
203	EZH1110	English	3	259	5	0	264

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204	EZH2910	Communication Skills Lab	2	229	0	2	231
205	EZH3010	Fundamentals of Entrepreneurship	3	65	0	0	65
206	EZH3020	Intellectual Property Rights for Engineers	3	65	0	0	65
207	EZH3030	Patent law for Engineers	3	48	1	0	49
208	FTC2010	Mechanical operations in Food Industry	4	17	0	0	17
209	FTC2020	Food Preservation and Processing	3	17	0	0	17
210	FTC2900	Computer Application Lab	1.5	17	0	0	17
211	ME194	Manufacturing Process Lab	2	0	1	0	1
212	ME214	Manufacturing Technology I	4	1	0	0	1
213	ME220	Experimental Methods & Analysis	4	1	0	0	1
214	ME332	Fluid Mechanics II	4	1	0	0	1
215	ME340	Economics & Management	4	0	1	0	1
216	ME341	Industrial Engineering	4	1	0	0	1
217	ME389	Collquium	2	1	0	0	1
218	ME411	Mechanical Vibrations	4	1	0	0	1
219	ME425	Air Pollution Technology	4	2	1	0	3
220	ME426	Automotive Engineering	4	2	0	0	2
221	ME452	Robotics	4	1	0	0	1
222	ME491A	Project Phase-I	3	2	0	0	2
223	ME492	Vibrations Lab	2	1	0	0	1
224	ME496	Energy Conversion System Lab	2	1	0	0	1
225	ME497	Manufacturing Technology Lab III	2	2	0	0	2
226	MEA1110	Engineering Thermodynamics	4	246	12	1	259
227	MEA1120	Engineering Mechanics	3	237	13	0	250
228	MEA1910	Engineering Graphics Lab	2	247	17	0	264
229	MEA1920	Manufacturing Process Lab	1.5	259	5	0	264
230	MEA2420	Experimental Methods & Analysis	3	93	12	0	105
231	MEA2940	Machine Drawing and Computer Graphics	2	17	0	0	17
232	MEC2110	Mechanics of Solids	4	93	7	0	100
233	MEC2120	Kinematics of Machines	3	93	5	0	98
234	MEC2310	Fluid Mechanics-I	4	93	13	0	106
235	MEC2410	Manufacturing Technology-I	4	95	5	0	100
236	MEC2910	Machine Drawing	2	93	0	0	93
237	MEC2920	Fluids Mechanics Lab	2	93	0	0	93
238	MEC2930	Manufacturing Technology Lab-I	1.5	94	0	0	94
239	MEC3110	Machine Design II	4	90	1	0	91
240	MEC3210	Heat & Mass Transfer	4	89	2	0	91
241	MEC3310	Fluid Mechanics II	3	89	2	0	91
242	MEC3410	Industrial Engineering	4	90	1	0	91
243	MEC3910	Heat & Mass Transfer Lab	2	89	3	0	92
244	MEC3920	Machine Design Practice	2	92	1	0	93

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245	MEC4110	Mechanical Vibrations	4	90	1	0	91
246	MEC4910	Project (Phase I)	3	90	1	0	91
247	MEC4930	Manufacturing Technology Lab-III	2	90	1	0	91
248	MEC4940	Vibrations Lab.	2	90	1	0	91
249	MEC4950	Energy Conversion Systems Lab	2	90	1	0	91
250	MEE4160	Mechatronics	4	43	0	0	43
251	MEE4230	Refrigeration & Air Conditioning	4	48	0	0	48
252	MEE4240	Automotive Engineering	4	30	0	0	30
253	MEE4410	Powder Metallurgy	4	46	0	0	46
254	MEE4430	Numerical Control of Machine Tools	4	13	0	0	13
255	MEH3450	Engineering Economy & Management	4	111	0	0	111
256	MEH4810	Colloquium	2	90	1	0	91
257	MEO4210	Heating Ventilation & Air Conditioning, HVAC	4	13	0	0	13
258	MEO4250	Air Pollution Technology	4	24	1	0	25
259	PKC2010	Basic Principles of Chemical Engineering	4	18	1	0	19
260	PKC2030	Chemistry of Hydrocarbons	4	19	0	0	19
261	PKC2050	Fluid Mechanics	4	17	1	0	18
262	PKC2070	Reaction Kinetics and Reactor Design	4	18	2	0	20
263	PKC2090	Fluid -Particle Operations	4	17	2	0	19
264	PKC3010	Petroleum Refining Processes	4	12	0	0	12
265	PKC3030	Heat Transfer Operations	4	12	0	0	12
266	PKC3050	Mass Transfer Operations	4	12	0	0	12
267	PKC3070	Refinery Engineering Calculations	4	12	0	0	12
268	PKC3910	Computer Applications Laboratory	2	12	0	0	12
269	PKC4010	Process Dynamics and Control	4	16	1	0	17
270	PKC4030	Plant Design & Economics	4	16	1	0	17
271	PKC4050	Petrochemical Technology – II	4	16	1	0	17
272	PKC4070	Polymer Science and Technology	4	16	1	0	17
273	PKC4810	Seminar	2	16	1	0	17
274	PKC4970	Project Phase I	3	16	1	0	17