

ZAKIR HUSAIN COLLEGE OF ENGINEERING & TECHNOLOGY

LIST OF REGISTERED COURSES (Updated on 24 May, 2022)

B.E., Even semester, 2021-22

ALL BRANCHES

S.No.	Course No.	Course Title	Categ.	Credit.	Mode a	Mode b	Mode c	Total
1	EAM112	Mathematics-II	BS	4	1	0	0	1
2	EAMS1120	Applied Mathematics-II	BS	4	154	0	0	154
3	EAMS2120	Mathematics-IV	BS	3	46	0	0	46
4	EAMS2320	Numerical Methods & Optimization	BS	4	51	0	0	51
5	EAP194	Applied Physics Lab	BS	2	1	0	0	1
6	EAPS1110	Applied Physics	BS	4	154	0	1	155
7	EAPS1910	Applied Physics Lab	BS	1.5	154	1	0	155
8	ECEA1120	Strength of Materials	ESA	3	154	0	0	154
9	ECEC2170	Environmental Engineering I	DC	4	46	0	0	46
10	ECEC2180	Surveying	DC	4	46	0	0	46
11	ECEC2190	Hydrology	DC	4	46	0	0	46
12	ECEC2200	Structural Mechanics	DC	4	46	0	0	46
13	ECEC2940	Structural Mechanics Lab	DC	2	46	0	0	46
14	ECEC2950	Surveying Lab	DC	2	46	0	0	46
15	ECEC3160	Design of Concrete Structure-II	DC	4	46	0	0	46
16	ECEC3170	Transportation Engineering	DC	4	46	0	0	46
17	ECEC3180	Design of Steel Structures	DC	4	46	0	1	47
18	ECEC3190	Engineering Hydraulics-II	DC	4	46	0	0	46
19	ECEC3200	Structural Analysis-II	DC	4	46	0	0	46
20	ECEC3810	Survey Camp	DC	1	46	0	0	46
21	ECEC3950	Cad Lab-I	DC	2	46	0	0	46
22	ECEC3960	Transportation Engineering Lab	DC	2	46	0	0	46
23	ECEC4990	Project Phase-II	DC	4	51	0	0	51
24	ECEE4510	Concrete Technology	DE	4	30	0	0	30
25	ECEE4530	Traffic Engineering	DE	4	16	0	0	16
26	ECEE4570	Rock Engineering	DE	4	29	0	0	29
27	ECEE4630	Bridge Engineering	DE	4	46	0	0	46
28	ECEE4660	Pre-Stressed Concrete	DE	4	44	0	0	44

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29	ECEE4730	Elements of Earthquake & Wind Engineering	DE	4	34	0	0	34
30	ECEH2210	Construction Management I	HM	3	46	0	0	46
31	ECEO4720	Advanced Environmental Engineering	OE	4	24	0	0	24
32	ECEO4740	Water Resources & Watershed Management	OE	4	46	0	0	46
33	EEE421	Renewable Energy Sources	OE	4	1	0	0	1
34	EEEA2020	Electrical Technology	ESA	3	51	0	0	51
35	EEEA2970	Electrical Technology Lab	ESA	1.5	51	0	0	51
36	EEEC2120	Electrical Machines II	DC	4	50	0	0	50
37	EEEC2210	Power Electronics-I	DC	4	50	0	0	50
38	EEEC2310	Power System Engineering	DC	4	50	0	0	50
39	EEEC2510	Electrical Measurement	DC	4	50	0	0	50
40	EEEC2920	Electrical Machines Lab II	DC	2	50	0	0	50
41	EEEC2930	Circuits and Measurements Lab	DC	2	50	0	0	50
42	EEEC3110	Electrical Drives	DC	4	52	0	0	52
43	EEEC3220	New and Renewable Energy Sources	DC	4	52	0	0	52
44	EEEC3320	Electrical Power Gen. & Utilization	DC	4	52	0	0	52
45	EEEC3410	Dynamic System Analysis	DC	4	52	0	0	52
46	EEEC3710	Microcontroller Systems and Appl.	DC	4	52	0	0	52
47	EEEC3920	Power System and High Voltage Lab	DC	2	52	0	0	52
48	EEEC3930	Instrumentation Lab	DC	2	52	0	0	52
49	EEEC4990	Project Phase-II	DC	4	48	0	0	48
50	EEEE4120	Electric Vehicles & Traction	DE	3	48	0	0	48
51	EEEE4230	Solar Photovoltaic Systems	DE	3	48	0	0	48
52	EEEE4320	Power Quality	DE	3	48	0	0	48
53	EEEE4350	HVDC and FACTS Technology	DE	3	48	0	0	48
54	EEEO4210	Renewable Energy Sources	OE	4	33	0	0	33
55	EELA1110	Principles of Electronics Engineering	ESA	3	154	0	0	154
56	EELA2010	Logic & Digital Circuit	ESA	4	50	0	0	50

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57	EEZH1110	English	HM	3	154	0	1	155
58	EEZH2910	Communication Skills Lab	HM	2	97	0	0	97
59	EEZH3030	Patent law for Engineers	HM	3	52	0	0	52
60	EME194	Manufacturing Process Lab	ESA	2	1	0	0	1
61	EME420	Fuel & Combustion Engg.	DE	4	1	0	0	1
62	EME421	Energy Audit Conservation & Management	DE	4	1	0	0	1
63	EME422	Alternative Fuels for Transportation	DE	4	1	0	0	1
64	EME491B	Project Phase-II	DC	3	1	0	0	1
65	EMEA1120	Engineering Mechanics	ESA	3	154	0	0	154
66	EMEA1920	Manufacturing Process Lab	ESA	1.5	154	0	0	154
67	EMEC2130	Machine Design I	DC	3	51	0	0	51
68	EMEC2210	Applied Thermodynamics	DC	4	51	0	0	51
69	EMEC2430	Material Science	DC	4	51	0	0	51
70	EMEC2440	Manufacturing Technology-II	DC	4	51	0	0	51
71	EMEC2940	Thermodynamics Lab	DC	2	51	0	0	51
72	EMEC3120	Machinery Dynamics	DC	4	53	0	0	53
73	EMEC3220	I.C. Engines	DC	4	53	0	0	53
74	EMEC3230	Energy Conversion System	DC	3	53	0	0	53
75	EMEC3320	Fluid Machinery	DC	4	53	0	0	53
76	EMEC3930	Manufacturing Technology Lab-II	DC	2	53	0	0	53
77	EMEC3940	Solid Modelling & Analysis	DC	2	53	0	0	53
78	EMEC3950	Kinematics & Stress Analysis Lab	DC	2	53	0	0	53
79	EMEC3960	Fluid Mechanics & Machinery Lab	DC	2	53	0	0	53
80	EMEC4920	Project Phase-II	DC	3	48	0	0	48
81	EMEE4130	Introduction to Composites	DE	4	48	0	0	48
82	EMEE4210	Fuels & Combustion	DE	4	48	0	0	48
83	EMEE4250	Energy Audit, Conservation and Management	DE	4	24	0	0	24
84	EMEE4260	Alternative Fuels for Transportation	DE	4	24	0	0	24

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85	EMEH2450	Engineering Economy & Management	HM	4	50	0	0	50
86	EMEH3450	Engineering Economy & Management	HM	4	53	0	0	53
87	EMEO4620	Non Conventional Energy	OE	4	44	0	0	44
88	EAP111	Applied Physics	BS	4	0	1	0	1
89	EEN101	English	HM	4	0	1	0	1