

APPENDIX 8
COMPARISON OF EET PROGRAMS OF COHORTS 2011 AND 2012

Appendix 8: Comparison of EET Programs of cohorts 2011 and 2012

No.	Course Name	Total credits of EET Program 2011	Total credits of EET Program 2012	Remarks
	Total credits	186	150	
	Total credit of elective courses	6	12	
1	Introduction to Electrical & Electronics Engineering Technology		3	Newly supplemented
2	Advanced Mathematics 1	3	3	No change
3	English 1	4	3	Reduced
4	Advanced Mathematics 1	3	3	No change
5	Informatics	5	3	Reduced
6	General Chemistry A1	3	3	No change
7	English 2	4	3	Reduced
8	Advanced Mathematics 3	3	3	No change
9	Complex Functions and Laplace Transforms	2	2	No change
10	Applied Probability	3	3	No change
11	General Physics A2	2	2	No change
12	General Physics Experiment	1	1	No change
13	English 3	4	3	Reduced

14	General Physics A1	3	3	No change
15	Electrical Circuits		4	Integration of Electrical Circuits 1 and Electrical Circuits 2
16	Electrical Machines		4	Integration of Electrical Machines 1 and Electrical Machines 2
17	Electricity Instrument	2	2	No change
18	Electronic and Electrical Materials	2	2	No change
19	Electrical Practice	2	1	Reduced
20	Basic Electronics		4	Integration of Basic Electronics 1 and Basic Electronics 2
21	Electrical Safety	2	2	No change
22	Power System	3	3	No change
23	Automation Control Systems	4	3	Reduced
24	Electrical Measurement and Instruments	3	3	No change
25	General Laws	2	2	No change
26	Digital System	3	3	No change
27	Microprocessor	4	3	Reduced
28	Power Supply System	3	3	No change
29	Power Electronics	3	3	No change
30	Relay Protection and Power	2	2	No change

	System Automation			
31	Electrical Machines in Practice	2	2	No change
32	Electronics in Practice	3	2	Reduced
33	Programmable Logic Controller	3	3	No change
34	Digital System in Practice	2	2	No change
35	Power Electronics in Practice	2	2	No change
36	Power Supply System in Practice	2	2	No change
37	Project on Power Supply System	1	1	No change
38	Automatic Electric Drive	3	3	No change
39	Professional Development Training		1	Supplemented
40	Measurement Engineering in Practice	2	1	Reduced
41	Introduction to Management		2	Supplemented in elective social science credits
42	Introduction to Sociology		2	Supplemented in elective social science credits
43	Introduction of Quality Management		2	Supplemented in elective social science courses
44	General Economics		2	Supplemented in elective social science credits
45	Creativity Methodologies		2	Supplemented in

				elective social science credits
46	Planning Skill		2	Supplemented in elective social science credits
47	Data Acquisition System and SCADA	2	2	No change
48	Power System Analysis and Simulation	2	3	Increased
49	Project on Automatic Electric Drive	1	1	No change
50	CAD for Electrical Engineering	2	2	No change
51	Automatic Electric Drive in Practice	2	2	No change
52	Project on Programmable Logic Controller	1	1	No change
53	Microprocessors in Practice	2	2	No change
54	Programmable Logic Controller in Practice	2	2	No change
55	Industry Internship	3	2	Reduced
56	MATLAB/SIMULINK for Power System	2	2	No change
57	Advanced CAD for Electrical Engineering	2	2	No change
58	Lighting Techniques in Residential & Industrial	2	2	No change
59	Building Access Control and Security System	2	2	No change

60	Electrical Control Devices	3	2	Reduced (changed to elective credits)
61	Calculation of Electrical Machine	2	2	Changed to elective credits
62	Special Machines	2	2	Changed to elective credits
63	Power Station and Power Plant	2	2	No change
64	Renewable Energy	2	2	No change
65	Energy Audit and Efficiency	2	2	No change
66	Power Quality in Power Systems		2	Supplemented
67	Building Management System (BMS)		2	Supplemented
68	ATS and Power Backup System	2	2	No change
69	Industrial Management	2	2	No change
70	Project Management	2	2	Changed to elective credits