



Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03602107	Applied Chemistry	3.00	3	-	-	20	-	20	60	-	40	-	100
03602108	Applied Chemistry Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03605101	Environmental Science	0.00	2	-	-	20	-	20	-	-	16	-	40
03605104	Elements of Civil Engineering Lab	1.00	0	2	0	-	50	-	-	-	-	20	50
03606102	Introduction to IT Systems Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03609101	Engineering Graphics	1.00	1	-	-	20	-	20	60	-	40	-	100
03609102	Engineering Graphics Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03609154	Engineering Workshop Practice	2.00	-	4	-	-	100	-	-	-	-	40	100
03691101	Mathematics - I	3.00	2	-	1	20	-	20	60	-	40	-	100
03693103	Communication Skills - I	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	16.00	9	16	1								840

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03605151	Engineering Mechanics	3.00	3	-	-	20	-	20	60	-	40	-	100
03605152	Engineering Mechanics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607151	Fundamentals of Electrical and Electronics Engineering	3.00	2	-	1	20	-	20	60	-	40	-	100
03607152	Fundamentals of Electrical and Electronics Engineering Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03609155	Introduction to Mechanical Engineering	1.00	1	-	-	20	-	20	60	-	40	-	100
03609156	Introduction to Mechanical Engineering Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03691151	Mathematics-II	4.00	3	-	1	20	-	20	60	-	40	-	100
03692154	Basic Physics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03692155	Basic Physics	3.00	3	-	-	20	-	20	60	-	40	-	100
03693153	Communication Skills - II	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	19.00	13	8	2								800

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600201	Entrepreneurship and Start-ups	1.00	1	-	-	20	-	20	60	-	40	-	100
03607201	Non-Renewable and Renewable Electric Energy Generation System	3.00	3	-	-	20	-	20	60	-	40	-	100
03607202	Non-Renewable and Renewable Electric Energy Generation System Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607203	Electrical Circuits	3.00	2	-	1	20	-	20	60	-	40	-	100
03607204	Electrical Circuits Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607205	Electric Motors and Transformers	3.00	2	-	1	20	-	20	60	-	40	-	100
03607206	Electric Motors and Transformers Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607207	Electrical and Electronic Measurements	3.00	2	-	1	20	-	20	60	-	40	-	100
03607208	Electrical and Electronic Measurements Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608211	Fundamental of Digital Electronics	3.00	2	-	1	20	-	20	60	-	40	-	100
03608212	Fundamental of Digital Electronics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03693203	Professional Communication and Critical Thinking	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	22.00	13	10	4								950

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600251	Essence of Indian Knowledge and Tradition	0.00	2	-	-	20	-	20	-	-	16	-	40
03607251	Fundamentals of Power Electronics	3.00	3	-	-	20	-	20	60	-	40	-	100
03607252	Fundamentals of Power Electronics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607253	Induction, Synchronous and Electrical Machines	3.00	2	-	1	20	-	20	60	-	40	-	100
03607254	Induction, Synchronous and Electrical Machines Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607255	Electric Power Transmission and Distribution	3.00	3	-	-	20	-	20	60	-	40	-	100
03607256	Electric Power Transmission and Distribution Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607260	Minor Project	1.00	-	2	-	-	50	-	-	-	-	20	50
03693251	Employability Skills	1.00	1	-	-	-	-	100	-	-	40	-	100
	Program Elective - I (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective - II (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective Lab- I (Compulsory Subjects :1)	1.00	-	2	-	-	50	-	-	-	-	-	50
	Program Elective Lab- II (Compulsory Subjects :1)	1.00	-	2	-	-	50	-	-	-	-	-	50
	Total	22.00	17	12	1								940

Semester - 4 Program Elective - I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607281	Illumination Practices	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 4 Program Elective - I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607283	Electrical Estimation and Contracting	3.00	3	-	-	20	-	20	60	-	40	-	100
03607285	Solar Power Technologies	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 4 Program Elective Lab- I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607282	Illumination Practices Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607284	Electrical Estimation and Contracting Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607286	Solar Power Technologies Lab	1.00	-	2	-	-	50	-	-	-	-	20	50

Semester - 4 Program Elective - II

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607287	Biomass and Micro Hydro Power Plants	3.00	3	-	-	20	-	20	60	-	40	-	100
03607289	Wind Power Technologies	3.00	3	-	-	20	-	20	60	-	40	-	100
03607291	Industrial Instrumentation and Condition Monitoring	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 4 Program Elective Lab- II

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607288	Biomass and Micro Hydro Power Plants Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607290	Wind Power Technologies Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03607292	Industrial Instrumentation and Condition Monitoring Lab	1.00	-	2	-	-	50	-	-	-	-	20	50

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 5 Open Elective-I

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03606287	Fundamental of Internet of Things	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607301	Fundamentals of Electrical Switchgear	3.00	3	-	-	20	-	20	60	-	40	-	100
03607306	Summer Internship	2.00	-	-	-	-	100	-	-	-	-	40	100
03607308	Major Project-I	6.00	-	12	-	-	60	-	-	40	-	40	100
03608314	Microcontroller and Applications Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608315	Microcontroller and Applications	2.00	2	-	-	20	-	20	60	-	40	-	100
	Open Elective-I (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective - III (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective - IV (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Program Elective Lab- III (Compulsory Subjects :1)	1.00	-	2	-	-	30	-	-	20	-	-	50
	Program Elective Lab- IV (Compulsory Subjects :1)	1.00	-	2	-	-	30	-	-	20	-	-	50
	Total	25.00	14	18									850



Semester - 5 Program Elective - III

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607331	Electrical Testing And Commissioning	3.00	3	-	-	20	-	20	60	-	40	-	100
03607333	Electric Vehicles	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 5 Program Elective Lab- III

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607332	Electrical Testing And Commissioning Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607334	Electric Vehicles Lab	1.00	-	2	-	-	30	-	-	20	-	20	50

Semester - 5 Program Elective - IV

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607335	Electrical Traction	3.00	3	-	-	20	-	20	60	-	40	-	100
03607337	Industrial Automation and Control	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 5 Program Elective Lab- IV

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03607336	Electrical Traction Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607338	Industrial Automation and Control Lab	1.00	-	2	-	-	30	-	-	20	-	20	50

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40



Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03600351	Indian Constitution	0.00	2	-	-	20	-	20	-	-	16	-	40
03607351	Building Electrification	3.00	3	-	-	20	-	20	60	-	40	-	100
03607352	Building Electrification Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607354	Power System Protection Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607355	Industrial Drives	3.00	3	-	-	20	-	20	60	-	40	-	100
03607356	Industrial Drives Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607357	Energy Conservation Technique and Audit	3.00	3	-	-	20	-	20	60	-	40	-	100
03607358	Energy Conservation Technique and Audit Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03607359	Power System Protection	2.00	2	-	-	20	-	20	60	-	40	-	100
03607360	Software Practice Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03607364	Major Project-II	6.00	-	12	-	-	60	-	-	40	-	40	100
	Total	23.00	13	24									840

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 40