



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.	
03605101	Environmental Science	0.00	2	-	-	20	-	20	-	-	16	-	40
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
03691101	Mathematics - I	3.00	2	-	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
03693103	Communication Skills - I	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	16.00	13	6	2								690

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.	
03602107	Applied Chemistry	3.00	3	-	-	20	-	20	60	-	40	-	100
03602108	Applied Chemistry Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03606102	Introduction to IT Systems Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03607154	Electrical Workshop Practice Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608151	Electronics devices and circuits	3.00	3	-	-	20	-	20	60	-	40	-	100
03608152	Electronics devices and circuits Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03609101	Engineering Graphics	1.00	1	-	-	20	-	20	60	-	40	-	100
03609102	Engineering Graphics Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03691151	Mathematics-II	4.00	3	-	1	20	-	20	60	-	40	-	100
03693153	Communication Skills - II	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	19.00	11	14	1								850

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
03608201	Principles of Electronic Communication	3.00	3	-	-	20	-	20	60	-	40	-	100
03608202	Principles of Electronic Communication Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608203	Digital Electronics	3.00	2	-	1	20	-	20	60	-	40	-	100
03608204	Digital Electronics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608205	Electronic Measurements and Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100
03608206	Electronic Measurements and Instrumentation Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608207	Electronic Circuits and Network	3.00	3	-	-	20	-	20	60	-	40	-	100
03608208	Electronic Circuits and Network Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608209	Electronics Equipment and Maintenance	2.00	2	-	-	20	-	20	60	-	40	-	100
03693203	Professional Communication and Critical Thinking	1.00	1	-	-	-	-	100	-	-	40	-	100
Total		20.00	15	8	1								900

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
03608251	Microcontroller and Applications	4.00	4	-	-	20	-	20	60	-	40	-	100
03608252	Microcontroller and Applications Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608255	Digital Communication Systems	4.00	4	-	-	20	-	20	60	-	40	-	100
03608256	Digital Communication Systems Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608259	Linear Integrated Circuits	4.00	3	-	1	20	-	20	60	-	40	-	100
03608260	Linear Integrated Circuits Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03608264	Minor Project	1.00	-	2	-	-	50	-	-	-	-	20	50
03608265	Power Electronics	3.00	3	-	-	20	-	20	60	-	40	-	100
03608266	Power Electronics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03693251	Employability Skills	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	21.00	17	10	1								790

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
03607344	Renewable Energy Technology	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.	
03608302	Mobile and Wireless Communication Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608303	Embedded Systems	4.00	4	-	-	20	-	20	60	-	40	-	100
03608304	Embedded Systems Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608305	Mobile and Wireless Communication	3.00	3	-	-	20	-	20	60	-	40	-	100
03608306	Major Project-1	6.00	-	12	-	-	60	-	-	40	-	40	100
03608312	Summer Internship (4 Weeks After Sem-4)	2.00	-	-	-	-	100	-	-	-	-	40	100
	Open Elective-I (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	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	-	-	30	-	-	20	-	-	50
	Program Elective Lab- II (Compulsory Subjects :1)	1.00	-	2	-	-	30	-	-	20	-	-	50
	Total	28.00	16	20									900

**Semester - 5 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.	
03608333	Industrial Automation	3.00	3	-	-	20	-	20	60	-	40	-	100
03608335	Control System and Plc	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 5 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.	
03608334	Industrial Automation lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608336	Control System and Plc Lab	1.00	-	2	-	-	30	-	-	20	-	20	50

Semester - 5 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.	
03608337	Optical Communication Networking	3.00	3	-	-	20	-	20	60	-	40	-	100
03608339	Microwave and Radar	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 5 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.	
03608338	Optical Communication Networking Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608340	Microwave and Radar 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
03608351	Computer Networking and Data Communication	4.00	4	-	-	20	-	20	60	-	40	-	100
03608352	Computer Networking and Data Communication Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608353	VLSI	4.00	4	-	-	20	-	20	60	-	40	-	100
03608354	VLSI lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608355	Signal and Systems	3.00	3	-	-	20	-	20	60	-	40	-	100
03608356	Signal and Systems lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03608360	Major Project-II	6.00	-	12	-	-	60	-	-	40	-	40	100
	Open Elective-II (Compulsory Subjects :1)	3.00	3	-	-	40	-	-	60	-	-	-	100
	Total	23.00	16	18									690

Semester - 6 Open 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.	
03606281	Artificial Intelligence	3.00	3	-	-	20	-	20	60	-	40	-	100
03606389	Fundamental of Python Programming	3.00	3	-	-	20	-	20	60	-	40	-	100
03609339	Robotics and Automation Technology	3.00	3	-	-	20	-	20	60	-	40	-	100

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