



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
03609101	Engineering Graphics	1.00	1	-	-	20	-	20	60	-	40	-	100
03609102	Engineering Graphics Lab	2.00	-	4	-	-	100	-	-	-	-	40	100
03614101	Basic Electronics	3.00	3	-	-	20	-	20	60	-	40	-	100
03614102	Basic Electronics 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	19.00	15	10	1								890

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
03609154	Engineering Workshop Practice	2.00	-	4	-	-	100	-	-	-	-	40	100
03614151	Basic Biology	3.00	3	-	-	20	-	20	60	-	40	-	100
03614153	Digital Logic Design	3.00	3	-	-	20	-	20	60	-	40	-	100
03614154	Digital Logic Design Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03691151	Mathematics-II	4.00	3	-	1	20	-	20	60	-	40	-	100
03693153	Communication Skills - II	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	20.00	13	12	1								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
03614203	Analog Electronics	4.00	4	-	-	20	-	20	60	-	40	-	100
03614204	Analog Electronics Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03614205	Basics of Bio Transducers	4.00	4	-	-	20	-	20	60	-	40	-	100
03614206	Basics of Bio Transducers Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03614209	Life Science	4.00	4	-	-	20	-	20	60	-	40	-	100
03614210	Life Science Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03693203	Professional Communication and Critical Thinking	1.00	1	-	-	-	-	100	-	-	40	-	100
	Total	17.00	14	6									650

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
03614251	Hospital Planning and Clinical Services	3.00	3	-	-	20	-	20	60	-	40	-	100
03614255	Analytical Instrumentation	4.00	4	-	-	20	-	20	60	-	40	-	100
03614256	Analytical Instrumentation Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03614257	Biomechanics	3.00	3	-	-	20	-	20	60	-	40	-	100
03614259	Microprocessor and Assembly Language	4.00	4	-	-	20	-	20	60	-	40	-	100
03614260	Microprocessor and Assembly Language Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03614261	Diagnostic Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100
03614262	Diagnostic Instrumentation Lab	1.00	-	2	-	-	50	-	-	-	-	20	50
03614266	Minor Project	1.00	-	2	-	-	50	-	-	-	-	20	50
03693251	Employability Skills	1.00	1	-	-	-	-	100	-	-	40	-	100
Total		22.00	20	8									840

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



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.	
03614301	Medical Imaging Techniques	4.00	4	-	-	20	-	20	60	-	40	-	100
03614302	Medical Imaging Techniques Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614303	Life Threatening Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100
03614304	Life Threatening Instrumentation Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614305	Therapeutic Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100
03614306	Therapeutic Instrumentation Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614309	Microcontroller and Interfacing	4.00	4	-	-	20	-	20	60	-	40	-	100
03614310	Microcontroller and Interfacing Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614312	Summer Internship	2.00	-	-	-	-	100	-	-	-	-	40	100
03614318	Major Project-I	6.00	-	12	-	-	60	-	-	40	-	40	100
	Total	26.00	14	20									800

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
03614351	Signal Processing for Biomedical	4.00	4	-	-	20	-	20	60	-	40	-	100
03614352	Signal Processing for Biomedical Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614353	Rehabilitation Engineering	3.00	3	-	-	20	-	20	60	-	40	-	100
03614354	Rehabilitation Engineering Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614360	Major Project-II	6.00	-	12	-	-	60	-	-	40	-	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	-	-	30	-	-	20	-	-	50
	Program Elective Lab- II (Compulsory Subjects :1)	1.00	-	2	-	-	30	-	-	20	-	-	50
	Total	23.00	15	20									740

Semester - 6 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.	
03614381	Telemedical Instrumentation	3.00	3	-	-	20	-	20	60	-	40	-	100
03614383	Artificial Organ	3.00	3	-	-	20	-	20	60	-	40	-	100



Semester - 6 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.	
03614382	Telemedical Instrumentation Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614384	Artificial Organ Lab	1.00	-	2	-	-	30	-	-	20	-	20	50

Semester - 6 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.	
03614385	Biomaterials and Implants	3.00	3	-	-	20	-	20	60	-	40	-	100
03614387	Tissue Engineering	3.00	3	-	-	20	-	20	60	-	40	-	100

Semester - 6 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.	
03614386	Biomaterials and Implants Lab	1.00	-	2	-	-	30	-	-	20	-	20	50
03614388	Tissue Engineering 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