



Symbiosis Institute of Technology

Bachelor of Technology

(2011– 2015)

Syllabus Structure

Programme Structure: First year B. Tech (2011-15 Batch)

Semester I

Group A		F.Y. B. Tech Common for all Branches									
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Int	Ext	CA	ESE		
07210101	Engineering Mathematics I	ES	4	2	0	0	0	50	75	5	125
07210102	Basic Mechanical Engineering	C	3	0	0	0	0	30	45	3	75
07210103	Environmental & Civil Engineering	C	3	0	0	0	0	30	45	3	75
07210104	Physics	ES	3	0	0	0	0	30	45	3	75
07210105	Computer programming	C	2	0	0	0	0	50	0	2	50
07210106	Basic Mechanical Engineering Lab	C	0	0	2	10	15	0	0	1	25
07210107	Environmental & Civil Engineering Lab	C	0	0	2	10	15	0	0	1	25
07210108	Physics Lab	ES	0	0	2	10	15	0	0	1	25
07210109	Computer Programming Lab	C	0	0	2	10	15	0	0	1	25
07210110	Workshop Practice	C	0	0	4	20	30	0	0	2	50
07210111	Performing Art	PD	0	0	2	10	15	0	0	1	25
Total			15	2	14	70	105	190	210	23	575

All the students of B. Tech. will study one inter institutional course of 2 credits during semester III and semester IV

L- Lecture , T-Tutorial,

C - Core Subject

ES - Engineering Science Subject

GP - General Proficiency Subject

ID - Inter Disciplinary Subject

PD - Professional Development Subject

CA- Continuous Assessment, ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

TW- Term work

Practical external examination may be conducted by alternate internal faculty

- Credits Over & above 200



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Group B		F.Y. B. Tech Common for all Branches									
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Int	Ext	CA	ESE		
07210101	Engineering Mathematics I	ES	4	2	0	0	0	50	75	5	125
07210202	Basic Electrical & Electronics Engineering	C	3	0	0	0	0	30	45	3	75
07210203	Engineering mechanics	C	3	0	0	0	0	30	45	3	75
07210204	Chemistry	ES	3	0	0	0	0	30	45	3	75
07210205	Engineering Graphics	C	2	0	4	20	30	20	30	4	100
07210206	Communication Skills	GP	2	0	2	10	15	50	0	3	75
07210207	Basic Electrical & Electronics Engineering Lab	C	0	0	2	10	15	0	0	1	25
07210208	Engineering Mechanics Lab	C	0	0	2	10	15	0	0	1	25
07210209	Chemistry Lab	ES	0	0	2	10	15	0	0	1	25
07210210	Industrial History, Geography & Philosophical aspect	GP	1	0	0	10	15	0	0	1	25
Total			18	2	12	70	105	210	240	25	625

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Semester II

Group A		F.Y. B. Tech Common for all Branches									
Subject Code	Subject	Nature of Subject	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
			L	T	Lab	Int	Ext	CA	ESE		
07210201	Engineering Mathematics II	ES	4	2	0	0	0	50	75	5	125
07210202	Basic Electrical & Electronics Engineering	C	3	0	0	0	0	30	45	3	75
07210203	Engineering mechanics	C	3	0	0	0	0	30	45	3	75
07210204	Chemistry	ES	3	0	0	0	0	30	45	3	75
07210205	Engineering Graphics	C	2	0	4	20	30	20	30	4	100
07210206	Communication Skills	GP	2	0	2	10	15	50	0	3	75
07210207	Basic Electrical & Electronics Engineering Lab	C	0	0	2	10	15	0	0	1	25
07210208	Engineering Mechanics Lab	C	0	0	2	10	15	0	0	1	25
07210209	Chemistry Lab	ES	0	0	2	10	15	0	0	1	25
07210210	Industrial History, Geography & Philosophical aspect	GP	1	0	0	10	15	0	0	1	25
Total			18	2	12	70	105	210	240	25	625

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