



F. Y. B. TECH. (COMMON TO ALL PROGRAMS) SEMESTER I (Pattern 2018)

MODULE I

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
			L	T	P	Formative Assessment		Summative Assessment				
						ISE		CE	ESE	PR/OR		
						T1	T2					
ES11181	Engineering Mathematics – I	TH	3	1	-	20	10	20	50	-	100	4
ET10182A	Basic Electrical Engineering	TH	3	1	-	20	10	20	50	-	100	4
ET10183A	Basic Electrical Engineering Lab	CE	-	-	2	-	-	50	-	-	50	1
ES10184A-CB / ES10184A-NCB	Engineering Physics (CB)*/ Engineering Physics (NCB)*	TH	3	1	-	20	10	20	50	-	100	4
ES10185A-CB / ES10185A-NCB	Engineering Physics Lab (CB)*/ Engineering Physics Lab (NCB)*	CE	-	-	2	-	-	50	-	-	50	1
ME10186A	Engineering Graphics and Design	CE	1	-	4	-	-	100	-	-	100	3
ES10187	English	CE	2	-	2	-	-	100	-	-	100	3
M1	Induction Program	-	-	-	-	-	-	-	-	-	-	-
	Total		12	3	10	60	30	360	150	-	600	20

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MODULE II

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
			L	T	P	Formative Assessment		Summative Assessment				
						ISE		CE	ESE	PR/OR		
						T1	T2					
ES11181	Engineering Mathematics – I	TH	3	1	-	20	10	20	50	-	100	4
CS10182B-CB / CS10182B-NCB	Computer Fundamentals (CB)*/ Computer Fundamentals (NCB)*	TH	3	-	-	20	10	20	50	-	100	3
CS10183B-CB / CS10183B-NCB	Computer Fundamentals Lab (CB)*/ Computer Fundamentals Lab (NCB)*	CE	-	-	4	-	-	50	-	-	50	2
ES10184B	Engineering Chemistry	TH	3	1	-	20	10	20	50	-	100	4
ES10185B	Engineering Chemistry Lab	CE	-	-	2	-	-	50	-	-	50	1
ME10186B	Workshop practice	CE	1	-	4	-	-	100	-	-	100	3
M1	Induction Program	-	-	-	-	-	-	-	-	-	-	-
	Total		10	2	10	60	30	260	150	-	500	17

*CB-Circuit branches-Computer, IT, E&TC Engineering

*NCB-Non-circuit branches-Mechanical & Civil Engineering



F.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER II (Pattern 2018)
MODULE III

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
			L	T	P	Formative Assessment		Summative Assessment				
						ISE		CE	ESE	PR/OR		
						T1	T2					
ES12181	Engineering Mathematics –II	TH	3	1	-	20	10	20	50	-	100	4
CS10182B-CB / CS10182B-NCB	Computer Fundamentals (CB)* / Computer Fundamentals (NCB)*	TH	3	-	-	20	10	20	50	-	100	3
CS10183B-CB /CS10183B-NCB	Computer Fundamentals Lab (CB)* / Computer Fundamentals Lab (NCB)*	CE	-	-	4	-	-	50	-	-	50	2
ES10184B	Engineering Chemistry	TH	3	1	-	20	10	20	50	-	100	4
ES10185B	Engineering Chemistry Lab	CE	-	-	2	-	-	50	-	-	50	1
ME10186B	Workshop practice	CE	1	-	4	-	-	100	-	-	100	3
	Total		10	2	10	60	30	260	150	-	500	17

F.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER II (Pattern 2018)
MODULE IV

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
			L	T	P	Formative Assessment		Summative Assessment				
						ISE		CE	ESE	PR/OR		
						T1	T2					
ES12181	Engineering Mathematics –II	TH	3	1	-	20	10	20	50	-	100	4
ET10182A	Basic Electrical Engineering	TH	3	1	-	20	10	20	50	-	100	4
ET10183A	Basic Electrical Engineering Lab	CE	-	-	2	-	-	50	-	-	50	1
ES10184A-CB / ES10184A-NCB	Engineering Physics (CB)* / Engineering Physics (NCB)*	TH	3	1	-	20	10	20	50	-	100	4
ES10185A-CB /ES10185A-NCB	Engineering Physics Lab (CB)* / Engineering Physics Lab (NCB)*	CE	-	-	2	-	-	50	-	-	50	1
ME10186A	Engineering Graphics and Design	CE	1	-	4	-	-	100	-	-	100	3
ES10187	English	CE	2	-	2	-	-	100	-	-	100	3
	Total		12	3	10	60	30	360	150	-	600	20

*CB-Circuit branches-Computer, IT, E&TC Engg,

*NCB-Non-circuit branches-Mechanical & Civil Engg.



S.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER I (Pattern 2018)

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Basic Science/ Engineering Science Course	TH	3	1	-	20	10	20	50	-	100	4
	Basic Science /Professional Core Course	TH	3	-	-	20	10	20	50	--	100	3
	Engineering Science Course	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core Course	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core Course / Humanities and Social Science Course	TH	3	-	-	20	10	20	50	-	100	3
	Lab Practice - I	CE-PR/OR	-	-	6	-	-	50	-	50	100	3
	Professional Core Course	CE	2	-	2	-	-	100	-	-	100	3
M2	Mandatory Course	-	-	-	-	-	-	-	-	-	-	-
	Total		17	1	8	100	50	250	250	50	700	22

Lab practice will be based on two/three 'TH' Courses mentioned in the structure.

S.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER II (PATTERN 2018)

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Basic Science/ Engineering Science Course	TH	3	1	-	20	10	20	50	-	100	4
	Professional Core Course	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core Course	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core Course	TH	3	-	-	20	10	20	50	-	100	3
	Humanities and Social Science Course / Professional Core Course	TH	3	-	-	20	10	20	50	-	100	3
	Lab Practice – II	CE-PR/OR	-	-	6	-	-	50	-	50	100	3
	Professional Core Course	CE	2	-	2	-	-	100	-	-	100	3
	Professional Core Course	CE	2	-	-	-	-	100	-	-	100	2
M2	Mandatory Course		-	-	-	-	-	-	-	-	-	-
	Total		19	1	8	100	50	350	250	50	800	24

Lab practice will be based on two/three 'TH' Courses mentioned in the structure.



T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER I (PATTERN 2018)
MODULE I

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Professional Core /Basic	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Elective-I	TH	3	-	-	20	10	20	50	-	100	3
	Lab Practice – III	CE-PR/OR	-	-	6	-	-	50	-	50	100	3
	Professional Core	CE	2	-	2	-	-	100	-	-	100	3
M3	Mandatory course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	17	-	8	100	50	250	250	50	700	21

Lab practice will be based on two/three 'TH' Courses mentioned in the structure.

T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER I (PATTERN 2018)
MODULE II

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Basic Science Course / Professional core Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	Humanities and Social Science Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	Humanities and Social Science Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	In House Value added Training / Industrial Training	CE-PR/OR	-	-	16	-	-	100	-	100	200	8
M3	Mandatory Course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	9	-	16	-	-	250	150	100	500	17

Course Orientation: 3rd week of December to last week of January

Industry internship: 1st February to 31st July

In-house value added training: 1st February to 30th April



T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER II (PATTERN 2018)
MODULE III

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Basic Science Course / Professional core Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	Humanities and Social Science Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	Humanities and Social Science Course	CE-TH	3	-	-	-	-	50	50	-	100	3
	In House Value added Training / Industrial Training	CE-PR/OR	-	-	16	-	-	100	-	100	200	8
M3	Mandatory Course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	9	-	16	-	-	250	150	100	500	17

Course Orientation: 3rd week of December to last week of January

Industry internship: 1st February to 31st July

In-house value added training: 1st February to 30th April

T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER II (PATTERN 2018)
MODULE IV

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Professional Core /Basic	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Core	TH	3	-	-	20	10	20	50	-	100	3
	Professional Elective-I	TH	3	-	-	20	10	20	50	-	100	3
	Lab Practice – III	CE-PR/OR	-	-	6	-	-	50	-	50	100	3
	Professional Core	CE	2	-	2	-	-	100	-	-	100	3
M3	Mandatory course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	17	-	8	100	50	250	250	50	700	21

Lab practice will be based on two/three 'TH' Courses mentioned in the structure.



FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER I (PATTERN 2018)

Course Code	Course	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Open Elective-I	CE-TH	4	-	-	-	-	50	50	-	100	4
	Open Elective – II	CE-TH	4	-	-	-	-	50	50	-	100	4
	Professional Elective-II	TH	3	-	-	20	10	20	50	-	100	3
	Professional Elective – III	TH	3	-	-	20	10	20	50	-	100	3
	Lab Practice – V	CE-PR/OR	-	-	4	-	-	50	-	50	100	2
	Project -I	CE-PR/OR	-	-	6	-	-	100	-	100	200	3
M4	Mandatory Course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	14	-	10	40	20	290	200	150	700	19

Lab practice will be based on two/three 'TH' Courses mentioned in the structure.

FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER II (PATTERN 2018)

Course Code	Course Title	Course Type	Teaching Scheme			Examination Scheme					Total	Credits
						Formative Assessment		Summative Assessment				
			L	T	P	ISE		CE	ESE	PR/OR		
						T1	T2					
	Professional Elective-IV	TH	3	-	-	20	10	20	50	-	100	3
	Professional Elective-V	TH	3	-	-	20	10	20	50	-	100	3
	Open Elective-III	CE-TH	4	-	-	-	-	50	50	-	100	4
	Open Elective-IV	CE-TH	4	-	-	-	-	50	50	-	100	4
	Project Work	CE-PR/OR	-	-	12	-	-	100	-	100	200	6
M4	Mandatory Course	-	-	-	-	-	-	-	-	-	-	-
	Total	-	14	-	12	40	20	240	200	100	600	20

Courses have lab practice component of 2 hrs./week each under Lab Practice head.