

(An Autonomous Institute affiliated to Savitribai Phule Pune University)

F. Y. B. TECH. (COMMON TO ALL PROGRAMS) SEMESTER I/II (PATTERN 2020) MODULE-I

Course Code	Course Title	Course Type		Ceachin Scheme	_		Exam	ination S	cheme		Total	Credits
			L	Т	P	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Basic Science Course	TH	3	1	-	20	30	20	30	25	125	4
	Engineering Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Engineering Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Basic Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Basic Science Course	CE	1	1	-	-	-	-	-	25	25	2
	Engineering Science Course	CE	1	-	4	-	-	-	-	50	50	3
	Basic Science Course	CE	1	1	-	-	-	-	-	25	25	2
	Humanity and Social Science Course	CE	1	1	-	-	-	1	1	25	25	2
M1	Induction Program	AU	1	-	-	-	-	1	1	-	1	-
M2	Foreign Language	AU	-	-	-	-	-	-	-	-	-	-
	Total		13	4	10	80	120	80	120	225	625	22

F. Y. B. TECH. (COMMON TO ALL PROGRAMS) SEMESTER I/II (PATTERN 2020) MODULE-II

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Course Code	Course Title	Course Type		Ceachin Scheme	_		Exam	ination S	cheme		Total	Credits
			L	Т	P	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Basic Science Course	TH	3	1	-	20	30	20	30	25	125	4
	Engineering Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Engineering Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Basic Science Course	TH	2	-	2	20	30	20	30	25	125	3
	Basic Science Course	CE	1	1	-	-	-	-	-	25	25	2
	Engineering Science Course	CE	2	1	-	-	-	-	-	50	50	3
	Humanity and Social Science Course	СЕ	1	1	-	-	-	-	-	25	25	2
	Humanity and Social Science Course	CE	1	1	-	-	-	-	-	25	25	2
M1	Induction Program	AU	-	-	-	-	-	-	-	-	-	-
M2	Foreign Language	AU	-	-	-	-	-	-	-	-	-	-
	Total		14	5	6	80	120	80	120	225	625	22



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S.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER III (PATTERN 2020)

Course Code	Course Title	Cours e	Teach	ing Scl	neme		Exami	nation S	Scheme		Total	Credits
		Type	L	Т	P	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Basic Science/ Engineering Science Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Basic Science /Professional Core Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Engineering Science Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	-	-	20	30	20	30	-	100	3
	Professional Core Course	CE	2/1	1/0	0/4	-	-	-	-	50	50	3
M2	Mandatory Course	AU	-	-	-	-	-	-	-	-	-	-
	Total		17/16	5/0	0/12	100	150	100	150	150	650	22

S.Y. B. TECH. (COMMON TO ALL PROGRAMS), SEMESTER IV (PATTERN 2020)

Course Code	Course Title	Cours e Type	Teach	ning Sc	heme		Exami	ination S	cheme		Total	Credits
			L	Т	P	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Basic Science/ Engineering Science Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core Course	TH	3	0	0	20	30	20	30	0	100	3
	Professional Core Course	CE	2/1	1/0	0/4	-	-	-	-	50	50	3
M2	Mandatory Course	AU	-	-	-	-	-	-	-	-	-	-
	Total		17/16	5/0	0/12	100	150	100	150	150	650	22



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T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER V (PATTERN 2020)

Course Code	Course Title	Course Type	Teach	ing Sch	neme		Exam	nination S	Scheme		Total	Credits
			L	T	Р	CI E	ISE	SCE	ESE	PR/ OR/ TW		
	Professional Core /Basic Science Course	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core	TH	3	-	-	20	30	20	30	-	100	3
	Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Employability Skills - I	CE	1/0	-	2/4	-	-	-	-	25	25	2
M2	Mandatory Course	AU	-	-	-	-	-	-	-	-	-	-
	Total		16/15	4/0	2/12	100	150	100	150	150	650	21

T.Y. B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VI (PATTERN 2020)

Course Code	Course Title	Course Type	Tea	ching Sc	heme		Exam	ination S	cheme		Total	Credits
			L	Т	P	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Professional Core	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core/ Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Basic Science Course / Professional core	ТН	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Core / Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Open Elective (Humanities and Social Science)	ТН	3	-	-	20	30	20	30	-	100	3
	Employability Skills -II	CE	1/0	-	2/4	-	-	-	-	25	25	2
M2	Mandatory Course	AU	-	-	-	-	-	-	-	-	-	-
	Total	-	16/ 15	4/0	2/12	100	150	100	150	125	625	21





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FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VII (PATTERN 2020) MODULE I

Course Code	Course Title	Course Type	Teacl	ning Sc	heme		Exam	nination	Scheme		Total	Credits
			L	Т	Р	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Professional Core/ Professional Elective	ТН	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Open Elective	TH	3	-	-	20	30	20	30	-	100	3
	Open Elective (Humanities and Social Science)	ТН	3	-	-	20	30	20	30	-	100	3
	Intellectual Property Rights (IPR)	СЕ	2	1	-	-	-	50	1	-	50	2
	Project Work	CE- PR/OR	-	ı	8	100	-	-	ı	50	150	4
M4	Mandatory Course	AU	-	-	-	-	-	-	-	-	ı	-
	Total	-	14	2/0	8/12	180	120	130	120	100	650	20

FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VII (PATTERN 2020) MODULE II

Course Code	Course Title	Course Type	Teacl	ning Sc	heme		Exami	ination S	cheme		Total	Credits
			L	Т	Р	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Semester Internship	CE- PR/OR	1	-	20	100	-	-	1	50	150	10
M4	Mandatory Course	AU	1	-	-	-	-	-	-	-	-	-
	Total	-	-	-	20	100	-	-	-	50	150	10



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FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VIII (PATTERN 2020) MODULE III

Course Code	Course Title	Course Type	Teacl	hing Sc	heme		Exam	ination S	cheme		Total	Credits
			L	Т	Р	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Professional Elective/professional core	TH	3	-	2	20	30	20	30	25	125	4
	Open Elective	TH	3	-	-	20	30	20	30	25	125	3
	Open Elective (Humanities and Social Science)	TH	3	-	-	20	30	20	30	25	125	3
M4	Mandatory Course	AU	-	-	-	-	-	-	-	-	-	-
	Total	-	9	-	2	60	90	60	90	75	375	10

FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VIII (PATTERN 2020) MODULE IV

Course Code	Course Title	Course Type	Teacl	hing Sc	heme		Exami	ination S	cheme		Total	Credits
Code		Турс		T			T		T	1		
										PR/		
			L	T	P	CIE	ISE	SCE	ESE	OR/		
										TW		
	Semester Internship	CE- PR/OR	1	-	20	100	-	1	-	50	150	10
M4	Mandatory Course	AU	1	-	1	-	-	1	-	-	ı	1
	Total	-	-	-	20	100	-	-	-	50	150	10

FINAL YEAR B. TECH (COMMON TO ALL PROGRAMS), SEMESTER VIII (PATTERN 2020) MODULE V

Course Code	Course Title	Course Type	Teacl	ning Sc	heme		Exam	ination	Scheme		Total	Credits
			L	Т	Р	CIE	ISE	SCE	ESE	PR/ OR/ TW		
	Professional Core/ Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Professional Elective	TH	3	1/0	0/2	20	30	20	30	25	125	4
	Open Elective	TH	3	-	-	20	30	20	30	-	100	3



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	Open Elective (Humanities and Social Science)	ТН	3	-	-	20	30	20	30	-	100	3
	Intellectual Property Rights (IPR)	CE	2	-	-	-	1	50	-	-	50	2
	Project Work	CE- PR/OR	-	-	8	100	-	-	-	50	150	4
M4	Mandatory Course	AU	-	-	-	-	-	1	1	-	-	-
	Total	-	14	2/0	8/12	180	120	130	120	100	650	20

NOTE: Students who will register for Module-I in Semester VII have to register either of Module-III or Module IV in Semester VIII. Students who will register for Module-II in Semester VII have to register for Module-V in Semester VIII.

Dean Academics Director