First Year Engineering Department Pr		Practical subject												
Course Outcom	ne ( CO) of Practical Subject	CO PO M	lappir	ng										
Class	F. Y. B. Tech Sem I and II													
Year of Study	2020-21, 2021-22, 2022-23,2023-24	BTBS107L Engineering Physics Lab												
Course Name	BTBS107L Engineering Physics Lab	Course	РО	РО	PC	PC	РО	РО	РО	РО	РО	РО	РО	РО
and Course		Name	1	2	3	4	5	6	7	8	9	10	11	12
Code		and												
		Course												
		Code												
BTBS107L_01	To study and demonstrate crystal structure, symmetry	BTBS10												
	miller indices and light through optical fibre.	7L_01												
BTBS107L_02	Students are expected to perform various experiments	BTBS10												
	and acquirers some basic knowledge and skills	7L_02												
BTBS107L_03	Students would be able to apply the concepts of physics	BTBS10												
	in various engineering branches.	7L_03												
				•										•
Class	F. Y. B. Tech Sem I and II	BTES1	BTES103 Engineering Graphics											
Year of Study	2020-21, 2021-22, 2022-23,2023-24													
Course Name	BTES108L Engineering Graphics Lab	Cours	e	Р	Р	Р	P I	Р Р	P	P	P	P	P	PO
and Course		Name		0	0	0	0 (	) C	- 1	0	0	0	0	12
Code		and		1	2	3	4 !	6	7	8	9	10	11	
		Cours	e											
		Code												
BTES108L_01	Understand basic concept of engineering drawing and draw	/ BTES1	.08	3	2	1								
	different polygons.	L_01												
BTES108L _02	Solve the problems on orthographic projection, projection	BTES1	80	3	0	0								
	of point, line, plane and solid.	L_02												
BTES108L_03	Solve the problems on section of solid and isometric	BTES1	.08	3	0	0								
	projection.	L 03										1	1	1

Class	F. Y. B. Tech Sem I and II													
Year of Study	2020-21, 2021-22, 2022-23,2023-24		BTHM104 Communication Skills											
Course Name	BTHM109L Communication Skills Lab	Course	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	РО
and Course		Name	0	0	0	0	0	0	0	0	0	0	0	12
Code		and	1	2	3	4	5	6	7	8	9	10	11	
		Course												
		Code												
BTHM109L_01	Demonstrate LSRW skills and develop communicative	BTHM10										3		
	competence in professional presentations.	9L_01												
BTHM109L_02	Apply phonetics in spoken English.	BTHM10										3		
_		9L_02												
BTHM109L_03	Make use of grammar correctly with accepted tone and	BTHM10										3		
_	style in technical and business communication.	9L 03												

Class	F. Y. B. Tech Sem I and II													
Year of Study	2020-21, 2021-22, 2022-23,2023-24	BTES105 E	Energ	y and	Envir	onme	nt En	ginee	ering					
Course Name		Course	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
and Course		Name	0	02	0	04	0	06	0	08	09	01	0	01
Code		and	1		3		5		7			0	11	2
		Course												
		Code		<u> </u>								<u> </u>	l	l
BTBS207L_01	To estimate the impurities present in water	BTBS207												
		L_01												
BTBS207L_02	Students are exposed to volumetric titrations acquirers	BTBS207												
	some volumetric skills	L_02												
BTBS207L_03	Explain and demonstrate a few instrumental methods and	BTBS207												
<u> </u>	chemical analysis	L_03												
	<del></del>													
Class	F. Y. B. Tech Sem I and II													
Year of Study	2020-21, 2021-22, 2022-23,2023-24	BTES106 F	BTES106 Basic Civil and Mechanical Engineering											

Course Name	BTES208L Engineering Mechanics Lab	Course	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
and Course		Name	0	02	0	04	0	06	0	08	09	01	0	01
Code		and	1		3		5		7			0	11	2
		Course												
		Code												
BTES208L_01	Apply the fundamental Laws of Engineering Mechanics	BTES208	3	2										
		L_01												
BTES208L_02	Apply Conditions of static equilibrium to analyse given force	BTES208	2	2										
	system and also able to recognize centre of gravity.	L_02												
BTES208L_03	Discuss relation between force and motion of body.	BTES208	3	1										
_	,	L_03												
Class	F. Y. B. Tech Sem I and II													
Year of Study	2020-21, 2021-22, 2022-23,2023-24	BTES205 Workshop practice												
Course Name	BTES205 Workshop practice	Course	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
and Course		Name	0	02	0	04	0	06	0	08	09	01	0	01
Code		and	1		3		5		7			0	11	2
		Course												
		Code												
BTES205_01	Students able to understand different tool & equipment for	BTES205	2	3	3									
	work shop practice.	_01												
BTES205_02	Students acquire skills for the preparation of different	BTES205	3	2	1									
	Carpentry/fitting/welding models.	_02												
RTES205 03	Students able to understand the safety precaution in the	DTECAUE	2	2	2									
BTES205_03	Students able to understand the safety precaution in the workshop.	BTES205 _03	2	3	2									