Scheme of Teaching and Examination for I/II Semester B.E., (Common to all B.E. Programmes) Academic Year: 2021-22 Outcome Based Education(OBE) and Choice Based Credit System (CBCS)(As per NEP2020) Dr. Ambedkar Institute of Technology, Bengaluru-560056

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Course Title Teaching Teaching Hours/ Week Examination	Total Duration C (Hrs) N	Mathematics 3 2 0 0 5 3 50 50 100 4	3 0 0 0 3 3 50 50 100 3	2 2 0 0 4 3 50 50 100 3	3 0 0 0 3 3 50 50 100 3	2 0 2 0 4 3 50 50 100 3	0 2 0 2 3 50 50 100 1	0 2 0 2 3 50 50 100 1	0 1* 0 2 2 50 50 100 1	9	0 1* 0 2 2 50 50 100 1		0 1* 0 2 - 50 - 50 0
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Teaching Teaching Hours/ Week	L T P S Total Buration C (Hrs)	3 2 0 0 5 3	3 0 0 3 3	2 0 0 4 3	0 0 0 3 3	0 2 0 4 3	2 0 2 3	2 0 2 3	1* 0 2 2	3	1* 0 2 2	4	1* 0 2
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Teaching				7	3	2							
	epartment	ematics					0	0	1 	. ,	-		
ourse Title		Math	Physics	Electrical	Civil	Mechanical	Physics	Electrical	Humanities	Humanities	Civil		Humanities
		Calculus and Differential equations Advanced Calculus and Numerical methods	Engineering Physics	Basic Electrical Engineering	Civil Engineering & Mechanics	Engineering Graphics	Engineering Physics Lab	Basic Electrical Engineering lab	Communicative English Professional Writing Skills in English	Health and Wellness	Rural Development Engineering	Career Development Skill-I	Career Development Skill-II
Course	Code	21MAT101	21PHT102/ 21PHT202	21EET103/ 21EET203	21CVT104/ 21CVT204	21MEL105/ 21MEL205	21PHL106/ 21PHL206	21EEL107/ 21EEL207	21HST108 21HST208	21HST109	21CVT209	21HSN110	21HSN210
Course	gory	BS	BS	ES	ES	ES	BS	ES	HS	AE		MC) MIC
SI.	Category	B										-	

HS: Humanities & Social Science Course, ES: Engineering Science Course, Note: BS: Basic Science Course,

AE: Ability Enhancement Course, MC: Mandatory Course, * No practical evaluation, L: Lecture, T:Tutorial, P:Practical/drawing, S:Self study, CIE: Continuous Internal Evaluation, SEE: Semester End Examination

	Schen	ne of Teach	Dr. Ambedkar Institute of Technology, Bengaluru-560056 Outcome Based Education(OBE) and Choice Based Credit System (CBCS) (As per NEP2020) Scheme of Teaching and Examination for I/II Semester B.E., (Common to all B.E. Programmes) Academic Year: 2021-22	tte of Techn Choice Based ter B.E., (Co	ology, Credit	Benga System to all	luru-56 (CBCS) B.E. P.	00056 (As per	er NEP	2020) Acad	emic Y	ear:20	21-22	
Cher	nistry C	Chemistry Cycle: I/II Semester				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		0						
SI. No.	Course	Course Code	Course Title	Teaching		Teachi	Teaching Hrs/ Week	eek			Exami	Examination		Credits
	Category			Department		E .	Ь		Total	Duratio n (Hrs)	CIE	SEE	Total	
_	BS	21MAT101	Calculus and Differential equations	Mathematics										33
		21MAT201	Advanced Calculus and Numerical methods		n	7	0	0	S	2	20	20	100	4
2	BS	21CHT102/ 21CHT202	Engineering Chemistry	Chemistry	3	0	0	0	3	3	50	20	100	3
3	ES	21CST103/ 21CST203	Problem solving through Programming	Computer Science	2	2	0	0	4	6	50	50	100	3
ব	ES	21ECT104/ 21ECT204	Basic Electronics and Communication Engineering	Electronics	2	2	0	0	4	8	20	20	100	3
5	ES	21MET105/ 21MET205	Elements of Mechanical Engineering	Mechanical	2	2	0	0	4	83	20	20	100	3
9	BS	21CHL106/ 21CHL206	Engineering Chemistry Laboratory	Chemistry	0	0	2	0	2	3	20	90	100	-
7	ES	21CSL107/ 21CSL207	Computer Programming Laboratory	Computer Science	0	0	2	0	2	2	20	99	100	-
8	HS	21HST108	Communicative English	Humanities	-	c	9	•	•		0	í	000	
		21HST208	Professional writing skills in English		-	•	4	0	7	N	20	00	8	-,:
6		21HST109	Health and Wellness	Humanities	3				1		1	04(4)	100000	
	AE	21CVT209	Rural Development Engineering	Civil	_	0	*	0	7	7	20	20	001	
10	JW	21HSN110	Career Development skill-I	A CONTRACTOR OF THE COLUMN	,		3		,		0			4
	200	21HSN210	Career Development skill-II	Humanities	-	•	-	•	7	Total Allen	2	Ē.	90	0
							T.	Total	30		200	450	950	20

Note: BS: Basic Science Course, ES: Engineering Science Course, HS: Humanities & Social Science Course, AE: Ability Enhancement Course, * No practical evaluation, MC: Mandatory Course,

L: Lecture, T:Tutorial, P:Practical/Drawing, S:Self study, CIE: Continuous Internal Evaluation, SEE: Semester End Examination

Note -At the end of the second-semester summer internship shall be carried out - based on inter/intra institutional activities credited in the third semester. University Institutions may swap few courses between a FIRST and SECOND semester to balance the workload teaching and laboratory schedule

Summer Internship - I: All the students admitted shall have to undergo a mandatory summer internship of 03 weeks during the vacation of II semesters. Summer Internship included in III semesters. The internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up / complete the shall include Inter / Intra Institutional activities. Internship A University Viva-voce examination shall be conducted during III semesters and the prescribed credit shall be internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements