3 KM09032022

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI **B.E.** in Information Science and Engineering

Scheme of Teaching and Examinations 2021

Outcome-Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2021 - 22)

IV SE	MESTER													
			•	Teaching Hours /Week					Examination					
SI. No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Theory	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits		
			۵	L	Т	P	S				,			
1	BSC 21CS41	Mathematical Foundations for Computing	Maths	2	2	0		03	50	50	100	3		
2	IPCC 21CS42	Design and Analysis of Algorithms		3	0	2		03	50	50	100	4		
3	IPCC 21CS43	Microcontroller and Embedded System	Any CS Board Department	3	0	2		03	50	50	100	4		
4	PCC 21CS44	Operating System		2	2	0		03	50	50	100	3		
5	AEC 21BE45	Biology For Engineers	BT, CHE, PHY	2	0	0		02	50	50	100	2		
6	PCC 21CSL46	Python Programming Laboratory	Any CS Board Department	0	0	2		03	50	50	100	1		
	HSMC 21KSK37/47	Samskrutika Kannada	HSMC	1				01	50	50	100	1		
7	HSMC 21KBK37/47	Balake Kannada			0	0								
	HSMC 21CIP37/47	OR Constitution of India & Professional Ethics												
	AEC 21CS48X/21C S48LX	Ability Enhancement Course- IV	TD and PSB: Concerned department	If offered as theory Course				01	- 50	50	100	1		
8				1 0 0										
				If offered as lab. course										
				0	0	2				<u> </u>	<u> </u>	 		
9	UHV 21UH49	Universal Human Values	Any Department	1	0	0		01	50	50	100	1		
10	INT 21INT49	Inter/Intra Institutional Internship	Evaluation By the appropriate authorities	Completed during the intervening period of II and III semesters by students admitted to first year of BE./B.Tech and during the intervening period of III and IV semesters by Lateral entry students admitted to III semester.			3	100		100	2			
							Total	550	450	1000	22			
_	-			-		-	-	-	-		-	_		
		urse prescribed to lateral entry Diplo	ma holders adm	itted to	III se	mester	of Engi	neering	g progra	ams	1			
1	NCMC	Additional Mathematics - II	Maths	02	02				100		100	0		

Course prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs												
1	NCMC 21MATDIP41	Additional Mathematics - II	Maths	02	02				100		100	0

Note: BSC: Basic Science Course, IPCC: Integrated Professional Core Course, PCC: Professional Core Course, AEC -Ability Enhancement Courses, HSMC: Humanity and Social Science and Management Courses, UHV- Universal Human Value Courses.

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

21KSK37/47 Samskrutika Kannada is for students who speak, read and write Kannada and 21KBK37/47 Balake Kannada is for non-Kannada speaking, reading, and writing students.

Integrated Professional Core Course (IPCC): Refers to Professional Theory Core Course Integrated with Practical's of the same course. Credit for IPCC can be 04 and its Teaching – Learning hours (L:T:P) can be considered as (3:0:2) or (2:2:2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from practical part of IPCC shall be included in the SEE question paper. For more details the regulation governing the Degree of Bachelor of Engineering /Technology (BE/B.Tech.) 2021-22 may be referred.