Bharath Institute of Higher Education and Research, Chennai

Curriculum Table – B.Tech. –Civil Engineering – CBCS System

L-Lectur	e Hrs/Wee	ek		Т	– Tutori	ial Hours	/ Week		C- Cred	lits	ı		P – Pract	tical Hou	rs/Week	,																						Щ
ŗ	wise edits		Year - I								Year - II									Year - III										Year - IV								
Catego	Category % of %Cre	Semester - 1 Semester - 2							Semester-3 Semester - 4									Semester - 5 Semester-6									Semes	ster-7	Sem			ester-8						
		Course Code	Course Title	L T	P	C Cou	urse ode	Course Title	L T	P	C Course Code		ourse Title	L	P		ourse Code	Course Title	L	T P		Cours e Code	Course Title	L T	P C	Course Code	Course Title		P	C Course Code	Course Title	e L	ТР		course Title	LT	- Р	С
es-H	9.6%	BEN101	English – I	3 1	0	3 BEN	1201	English – II	3 1	0	3						3CE40 6	Environmenta Studies	3	0 0	3					BSS60 1	Value Education and Professional Ethics	3 0	0	3								
& Humaniti		BBA101 BSS1L4/	Personality Developme nt		0 :	BFI 2		Foreign / Indian Language	3 0	0	3																265											
Art 8	19	BSS1L5/ BSS1L6 Total	NCC/NSS/N SO			BSS BSS	S2L7 otal	Yoga			1 7 Tota	ıl				1	Total				3					Total				3 Total				To	tal			
Basic Sciences - B	16.6 %	BMA101 BPH101	Mathemati cs – I Engineering			3 BMA3 BPH	A201	Engineering Mathematics – II Engineering	3 1	0	3 BMA: 01	3 Ma	athematics III		0	4 4	MA40 2	Numerical Methods	3	2 0	4	BMA 501	Probability and Statistics for Civil Engineering	3 1	0 4													
		BCH101	Physics – I Engineering Chemistry – I		++	3 BCH	1201	physics – II Engineering Chemistry – II		0																												
		BBT 102	Biology for Engineers	2 0	0	2 BPC	C2L1	Physics and Chemistry Laboratory	0 0	3/3	1																											
		BPC1L1	Physics and Chemistry Laboratory	0 0	3	0																																
sience-E	33 8.54 %	Total	Fundament als of			11 To					10 Tota	ıl				4 1	Total				4	Total			4	Total				Total				To	tal			
		BCS101	Computing and Programmi ng	3 0	0	3 BME	202	Engineering Mechanics	4 0	0	3																											
		BCM1L1	Basic Civil and Mechanical Engineering Practices	0 0	3	1 BEE2	201*	Basics Electrical and Electronics Engineering	2 0	0	2																											
neering Sc	-	BME101	Laboratory Engineering Graphics –		0	4 BCS	201.0	Computer Practices Lab	0 0	3	1																											
Engir		BME103	Basic Mechanical Engineering		0	2 BEE:	2L1*	Basics Electrical and	0 0	3	1																											
								Electronics Engineering Practices Laboratory																														
	17 47.73 %	Total			1	10 To	otal				7 Tota BCE3 1	0	Applied Mechanics	4 0	0		Total BCE40	Theory Of Structures	4	0 0		Total BCE5 01	Structural Analysis – I	4 0	0 4	Total BCE60	Structural Analysis – II	4 0	0	Total 4 BCE70 1	Estimation & Costing	3	0 0	To	tal		+-	
											BCE3	Sı	urveying I	3 0	0	3	3CE40 2	Surveying II	3	0 0	3	BCE5 02	Applied Hydraulic Engineering	3 0	0 3	BCE60 2	Reinforced Concrete Structures - II	4 0	0	4 BCE70 2	Computer Aided Design of Structures	4	0 0	4				
onal Core - P	-										BCE3 3 BCE3	Co Te	Building enstruction echnology		0	3	3	Soil Mechanic	al	0 0	3	BCE5 03 BCE5	Foundation Engineering Reinforced	3 0		BCE60 3	Irrigation Engineering- II Computer		0	3 BCE70 3 BCE70	Design of Steel Structures Management		0 0					
	-										4 BCE3	N	Fluid Mechanics	3 0	0	3	4	Design Transportatio	n 4	0 0		04 BCE5	Concrete Structures - I Environmental	4 0		1 BCEAL	Aided Building Drawing Environmental			2 4 BCE7L	Concepts For Ci Engineers Computer Aided Design Of	d	0 0					
Profession											BCE3	Er Ear L S	ngineering rth Science Surveying ractical – I	3 0	0 3	3	5	Engineering Surveying Practical II	3	0 0 0	3	05 BCE5 L2	Engineering	0 0	3 2	2	Engineering Lab	0 0	3	2 1	Structures Laboratory Computer Aideo Design and		0 3	2				
													ractical – i				'	Tractical ii				LZ	Lab							BCE7L 2	Drafting Laboratory(R.C. Steel, Irrigation Environment)	.U,	0 3	2				
	95	Total				То	otal				BCE3 2 Tota	Ma	rength Of aterials Lab	0 0	3 2	2 B	2	Soil Mechanic Lab	S 0	0 3	2	BCE5 L1 Total	Construction Engineering Lab	0 0	3 2 21	Total				15 Total			1	8 To				
Open Electives	3.01 %																														Open Elective -		0 0		Open Elective-II	3 0	0	3
ē	7.03 %	Total				То	otal				Tota	ıl				1	Total					BCE5 C1	Comprehension I	0 0	0 1	BCE6P	Term Paper	0 0	4	2 BCE7V 1	In-plant Training (End of 6th	0	0 0	Total	E8C Comprehensio	0 0	0	1
Projects/In rnships	14	Total				То	otal				Tota	1				1	Total					Total			1	Total				2 Total	Semester -30da	2 y 3)	1		Project Work and Viva Voce	0 0	18	9
Non- Major	3.01 % 6	Total				То	otal				Tota	1				1	Total					Total				Total	Non-Major Elective - I	3 0	0	3 Total				To	Non-Major Elective - II	3 0	0	3 3
Core Electives	4.52 %																						Core Elective-I	3 0			Core Elective-II	3 0		3	Core Elective-III	I 3	0 0	3				
	9	Total					otal				Tota	ıl					Total					Total				Total			$\frac{1}{1}$	3 Total			3		tal		-	
Total	199				2	27					24				2	24					28				29	<u>' </u>				26			2	25				16