Subject Code	Course Title	Theory	Laboratory	P	Os)			
Subject Code		Theory	Laboratory	(1)	(2)			(5)
BEN101	English – I	✓		✓			✓	
BMA101	Mathematics – I	✓		✓			✓	
BPH101	Engineering Physics – I	✓		✓	✓		✓	
BCH101	Engineering Chemistry – I	✓		✓				
BCS101	Fundamentals of Computing and Programming	√		✓			✓	
BBA101	Personality Development	✓					✓	
BBT 102	Biology for Engineers	✓		✓				
BME101	Engineering Graphics – E	✓		✓	✓		✓	✓
BME103	Basic Mechanical Engineering	✓		✓	✓			
BCM1L1	Basic Civil and Mechanical Engineering Practices Laboratory		√	✓		✓		
BEN201	English – II	✓		✓			✓	
BMA201	Engineering Mathematics – II	✓		✓			✓	
BPH201	Engineering physics – II	✓		✓				
BCH201	Engineering Chemistry – II	✓		✓				
BFI 201*	Foreign / Indian Language	✓		✓				
BME202	Engineering Mechanics	✓		✓		✓	✓	
BEE201	Basics Electrical and Electronics Engineering	✓		✓	✓		✓	
BCS2L2	Computer Practices Lab		✓	✓	√		✓	

BEE2L1	Basics Electrical and Electronics Engineering Practices Laboratory		√	✓		✓	√	
BPC2L1	Physics and Chemistry Laboratory		✓	✓				
BMA 301	Engineering Mathematics – III	✓		✓		✓		
BCE301	Applied Mechanics	✓		✓		✓		
BCE302	Surveying – I	✓		✓	✓			
BCE303	Building Construction Technology	✓		✓	✓			✓
BCE304	Fluid Mechanics	✓		✓		✓		
BCE305	Engineering Earth Science	✓		✓		✓		
BCE3L1	Surveying Practical – I		✓	✓	✓			
BCE3L2	Strength Of Materials Lab		✓	✓	✓			
BMA 402	Numerical Methods	✓		✓		✓	✓	
BCE 401	Theory of Structures	✓		✓	✓			
BCE 402	Surveying – II	✓		✓	✓	✓		
BCE 403	Soil Mechanics	✓		✓		✓		
BCE 404	Basic Structural Design	✓		✓	✓		✓	
BCE 405	Transportation Engineering	✓		✓			✓	
BCE 406	Environmental Studies	✓		✓			✓	✓
BCE4L1	Surveying Practical II		✓		✓			
BCE4L2	Soil Mechanics Lab		✓		√			
BMA 501	Probability and Statistics for Civil Engineers	✓						

BCE 501	Structural Analysis – I	✓		✓		✓		
BCE 502	Applied Hydraulic Engineering	✓		✓				
BCE 503	Foundation Engineering	✓		✓	✓	✓		
BCE 504	Reinforced Concrete Structures – I	✓		✓	✓			
BCE 505	Environmental Engineering – I	✓		✓				
BCE5L1	Construction Engineering Lab		✓		✓			
BCE5L2	Fluid Mechanics and Machinery Lab		✓		✓			
BCE 601	Structural Analysis – II	✓		✓		✓		
BCE 602	Reinforced Concrete Structures – II	✓		✓	✓			
BCE 603	Irrigation Engineering	✓		✓	✓	✓		
BSS601	Value Education and Professional Ethics	✓		✓		✓		✓
BCE6L1	Computer Aided Building Drawing		✓		✓	✓	✓	
BCE6L2	Environmental Engineering Lab		✓	✓		✓		
BCE 701	Estimation and Costing	✓		✓			✓	✓
BCE 702	Computer Aided Design of Structures	✓		✓	√		✓	
BCE 703	Design of Steel Structures	✓		✓	✓	✓		
BCE 704	Management Concepts for Civil Engineers	✓		✓		✓	✓	✓
BCE7L1	Computer Aided Design Of Structures Laboratory		✓	✓		✓		✓
BCE7L2	Computer Aided Design and Drafting Laboratory(R.C.C, Steel, Irrigation & Environment)		√	✓		✓		✓

				~				
BCE 8P1	Project Work and Viva Voce		✓	✓	✓	✓	✓	✓
	CORE ELECTIVE I							
BCE051	Concrete Technology	✓		✓		✓		
BCE052	Industrial Structures	✓		✓	✓		√	
BCE053	Advanced Construction Techniques	✓		✓	✓	✓	✓	
BCE054	Construction Planning, Scheduling and Control	✓		✓		✓	✓	✓
BCE055	Industrial Waste Treatment and Disposal	✓		✓	✓	✓	✓	
BCE056	Solid and Hazardous Waste Management	✓		✓		✓	✓	
	CORE ELECTIVE II							
BCE057	Design of R.C. Framed Structures	✓		✓	✓		✓	
BCE058	Tall Structures	✓		✓		✓	✓	
BCE059	Safety Practices in Construction	✓		✓		✓		✓
BCE060	Modern Construction Materials	✓			✓	✓	✓	
BCE061	Air and Noise Pollution	✓		✓		✓	✓	✓
BCE062	Environmental Impact Assessment	✓		✓	✓			✓
	CORE ELECTIVE III							
BCE063	Pre stressed Concrete Structures	✓		✓	✓	✓	✓	
BCE064	Advanced Concrete Design	✓		✓		✓		
BCE065	Construction Equipment	✓		✓	✓	✓	✓	

BCE066	Prefabrication and Construction Techniques	✓	✓		✓		✓
BCE067	Environmental Health Engineering	✓	✓		✓		✓
N	on Major Elective (NE) - I						
BCE069	Matrix Methods of Structural Analysis	✓	✓		✓	✓	
BCE070	Concrete Structures	✓	✓	✓		✓	
BCE071	Shoring, Scaffolding and Formwork	✓	✓		✓	✓	
BCE072	Construction Project Management	✓	✓		✓	✓	✓
BCE073	Ground Water Contamination and Transport Modeling	√	✓		✓	✓	✓
BCE074	Physical and Chemical Treatment of Water and Wastewater	√		✓	✓	✓	
BCE075	Ground Water Engineering	✓		✓	✓	✓	✓
BCE076	Coastal Engineering	✓		✓	✓	✓	
No	on Major Elective (NE) - II						
BCE077	Finite Element Analysis	✓	✓		✓	✓	
BCE078	Structures on Expansive Soil	✓	✓	✓	✓		✓
BCE079	Quality Control and Assurance in Construction	✓	✓		✓	✓	✓
BCE080	Construction Personnel Management	✓	✓	✓		✓	✓
BCE081	Water and Sewage Conveyance	✓	✓	✓		✓	
BCE082	Environmental Engineering Structures	✓	✓		✓	✓	✓
BCE083	Soil Dynamics and Machine Foundation	√	✓		✓	✓	
BCE084	Hydrology	✓		✓	✓	✓	

Program Education Outcome Mapping

	Open Elective (OE) -I						
BCE093	Remote Sensing and GIS	✓	✓	✓	✓		
BBA008	Total Quality Management	√	✓		✓	✓	✓
BCE094	Optimization Techniques	✓	✓		√	✓	
	Open Elective (OE) -II						
BCE095	Geographic Information System	✓	✓		✓	✓	
BCE096	Engineering Economics	✓	✓	✓		✓	✓
BCE097	Renewable Sources of Energy	✓	✓	✓		✓	√

