				Student	s Outcom	ne Mappi	ng							
Subject	Course Title	Theory	Laboratory	SOs										
Code	Course The	Theory	Laboratory	(a)	(b)	(c)	(d)	(e)	( <b>f</b> )	(g)	( <b>h</b> )	(i)	(j)	(k)
BEN101	English – I	~				√			✓	$\checkmark$				
BMA101	Mathematics – I	~		$\checkmark$		✓		✓						
BPH101	Engineering Physics – I	~				✓	✓					✓		
BCH101	Engineering Chemistry – I	$\checkmark$		$\checkmark$							✓	✓		
BCS101	Fundamentals of Computing and Programming	~		✓										~
BBA101	Personality Development	~					~		✓	√				
BBT 102	Biology for Engineers	~		$\checkmark$		✓								
BME101	Engineering Graphics – E	$\checkmark$		✓		✓								
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	$\checkmark$		$\checkmark$				✓						

Students Outcome Mapping

BEE201	Basics Electrical and Electronics Engineering	✓		~		√						~
BCS2L2	Computer Practices Lab		✓		~			~				✓
BEE2L1	Basics Electrical and Electronics Engineering Practices Laboratory		~		~							•
BPC2L1	Physics and Chemistry Laboratory		~								~	
BMA301	Engineering Mathematics – III	~		~				<b>~</b>				
BCE301	Applied Mechanics	$\checkmark$		✓				~				
BCE302	Surveying – I	~		✓				✓				✓
BCE303	Building Construction Technology	√				~	~					
BCE304	Fluid Mechanics	~		✓								
BCE305	Engineering Earth Science	~		✓						✓		
BCE3L1	Surveying Practical – I		✓			✓					✓	✓
BCE3L2	Strength Of Materials Lab		✓		~	✓		$\checkmark$				
BMA402	Numerical Methods	~		✓				✓				
BCE 401	Theory of Structures	~		✓		✓		✓				
BCE 402	Surveying – II	~		✓				✓				✓
BCE 403	Soil Mechanics	~		✓	✓		$\checkmark$					
BCE 404	Basic Structural Design	~		✓		✓		✓				~
BCE 405	Transportation Engineering	√				~	✓					

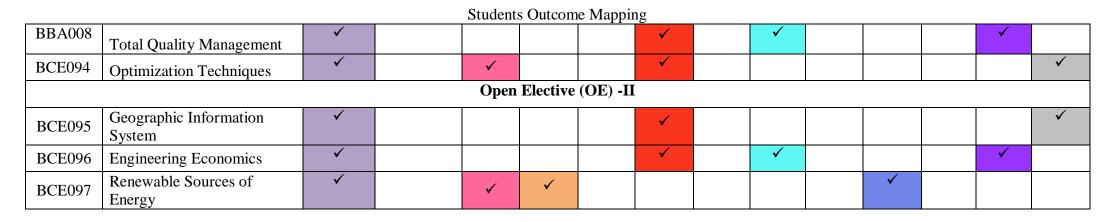
Students	Outcome	Manning	
Students	Outcome	Mapping	

BCE 406	Environmental Studies	~				<ul> <li>✓</li> </ul>					✓		✓	
BCE4L1	Surveying Practical II		✓	✓				✓						~
BCE4L2	Soil Mechanics Lab		√		√		✓							
BMA501	Probability and Statistics for Civil Engineers	$\checkmark$		~				~						
BCE 501	Structural Analysis – I	$\checkmark$		✓				~						
BCE 502	Applied Hydraulic Engineering	$\checkmark$		~			~	~						
BCE 503	Foundation Engineering	$\checkmark$		✓		~	~							$\checkmark$
BCE 504	Reinforced Concrete Structures – I	$\checkmark$		~		~		~						
BCE 505	Environmental Engineering	~				✓					~			
BCE5L1	Construction Engineering Lab		✓		~		~					~		
BCE5L2	Fluid Mechanics and Machinery Lab		~	✓	~									
BCE 601	Structural Analysis – II	$\checkmark$		✓				✓						
BCE 602	Reinforced Concrete Structures – II	~		~		~		~						
BCE 603	Irrigation Engineering	$\checkmark$				~	~							
BSS601	Value Education and Professional Ethics	$\checkmark$					~		~	~				
BCE6L1	Computer Aided Building Drawing		✓			~	~							~
BCE6L2	Environmental Engineering Lab		~			~					√			

				Students	s Outcom	e Mappi	ng						
BCE 701	Estimation and Costing	√		✓				$\checkmark$					
BCE 702	Computer Aided Design of Structures	$\checkmark$				~	~	~			~		~
BCE 703	Design of Steel Structures	$\checkmark$		✓		~		✓					
BCE 704	Management Concepts for Civil Engineers	$\checkmark$					~		~				~
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		$\checkmark$	✓	~	✓				✓		✓	√
				COR	E ELEC	TIVE I				•			
BCE051	Concrete Technology	✓			$\checkmark$		✓						
BCE052	Industrial Structures	~			√	√		$\checkmark$					
BCE053	Advanced Construction Techniques	~				~	~						
BCE054	Construction Planning, Scheduling and Control	~					~		~				~
BCE055	Industrial Waste Treatment and Disposal	$\checkmark$			~					~			
BCE056	Solid and Hazardous Waste Management	$\checkmark$								~		~	



			Student	s Outcom	e Mappi	ng					
	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	$\checkmark$	✓		✓	✓					
			Non Maj	or Electi	ve (NE)	- II					
BCE077	Finite Element Analysis	$\checkmark$	$\checkmark$		✓		$\checkmark$				
BCE078	Structures on Expansive Soil	~		✓	✓						
BCE079	Quality Control and Assurance in Construction	~				~		✓			
BCE080	Construction Personnel Management	✓			~	~					
BCE081	Water and Sewage Conveyance	✓	✓			~		<b>~</b>			
BCE082	Environmental Engineering Structures	~		~	~		~				
BCE083	Soil Dynamics and Machine Foundation	✓	✓		~		~				
BCE084	Hydrology	$\checkmark$	✓	✓							
			Open	Elective	(OE) -I						
BCE093	Remote Sensing and GIS	✓				✓					✓



Student Outcome (SOs) Mapping

