



JSS ACADEMY OF TECHNICAL EDUCATION

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka,
INDIAApproved by All India Council for Technical Education, New Delhi

DEPARTMENT OF CIVIL ENGINEERING

DETAILS OF GAP FOR AY 2025-26

Sl No	Name Of The Faculty	Course With Code	GAP	Action Taken	Date-Month-Year	Resource Person With Designation	% Of Students	Relevance To POs, PSOs
1	Dr. Santhosh. B.S	Concrete Technology BCV503/C303	Analysis and Design of Mix Proportion & Analyzing the Fresh and Hardened Properties of a prepared Concrete Mix using IS-Codes	Preparing Mix Design for the Given Grade of concrete and preparing concrete mix and Conducting all the relevant test methods in the laboratory	13-11-2025	Dr. Santhosh. B.S Professor	95	PO2, PO3, PO4, PO8, PSO1, PSO2, PSO3
2	Dr. Sanjay Shekhar N C	Data Analytics With Excel (BCS358A)	Analyze The Ms Project For Construction Planning	Power- Point Presentation On	23-11-2025	Dr. Sanjay Shekar N C, Associate Professor, Civil Department, JSSATE, Bengaluru	92	PO1,PO2, PO3,PO4, PO5,PO8, PO9,PO10 PSO1,PS O2,PSO3
3	Dr. Hemalatha.H .N	Watersupply And Wastewater Engineering (Bcv304)	Wastewater Management Strategies And Treatment Plant Visit	Treatment Plant Visit	25-11-2025	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	95	PO1,PO2,P O3,PO4,PO 6,PO7,PO8, PSO1,PSO2 ,PSO3
4	Dr. Hemalatha.H .N	Solid Waste Management (Bcv515c)	Visit To Solid Waste Management Plant And Submission Of Report	Visit To Any Solid Waste Manageme nt Plant And Submission Of Report	27-10-2025	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	100	PO6,PO7,P O8, PSO2,PSO3
5	Dr. Abdul Razak.B.H	Strength Of Materials(BCV 301)	Applications Of Stress And Strain In Everyday Structure	Technical Talk	12/12/25	Dr.Abdul Razak B H, Assistant Professor, Civil Department, JSSATE - Bengaluru	88	PO1,PO2,P O3,PO4,PO 5,PO6,PO8, PO11, PSO1,PSO2 ,PSO3
		Design of Steel Structures (BCV701)	Composite construction	Technical Talk	15/10/20 25	Dr.Abdul Razak B H, Assistant Professor, Civil	100	PO1,PO2,P O3,PO4,PO 11,

						Department, JSSATE - Bengaluru		PSO1,PSO2 ,PSO3
6	Dr. Shashikumar a. S. R	Estimation and Contract Managment - BCV702	Use of Soft tools for Qunatity Estimation from the Building Drawins	Activity Based Assignment	04/10/20 25	Dr. Shashikumara S.R, Assistant Professor, Civil Department, JSSATE - Bengaluru	100	PO1, PO2, PO6, PO11, PSO1, PSO2, PSO3
78	Rashmi.S.M	Intelligent Transportation Systems Bcv714a	Analysis Of Emerging Digital Technologies Such As Artificial Intelligence (Ai), Internet Of Things (Iot), And Big Data Analytics For Developing Innovative Intelligent Transportation System (Its) Solutions, Including Smart Traffic Management, Incident Detection, Predictive Analytics, And Real-Time Decision Support Systems.	Technical Talk	20/11/25	Rashmi S M, Assistant Professor, Civil Department, JSSATE - Bengaluru		PO1,PO2,P O3,PO6,PO 7, PSO1,PSO2 ,PSO3
9	Abhishek. R	Construction Management And Entrepreneurshi p (Bcv501)	Introduction To Formwork And Its Types Used In Various Construction Activities	Video Demonstrati on And Ppt	Dec 2025	Abhishek R Assistant Professor, Civil Department, JSSATE - Bengaluru	100	PO3, PO5, PSO1
10	Harshitha.M. N	Engineering Survey (Bcv302)	Types Of Modern Surveying Instruments	Power- Point Presentatio n	12.11.20 25	Harshitha M N, Assistant Professor, Civil Department, JSSATE - Bengaluru	92%	PO2,PO3, PO5,PSO1, PSO2
11	Pramukh.N	Sustainable Design Concepts for Building Services BCV306C	Sustainable Practices adopted at JSSATEB	Power- point presentation	22-09- 2025	Pramukh N, Assistant Professor, Civil Department, JSSATE - Bengaluru	87%	PO6, PO7, PO8, PSO2, PSO3
		Research Methodology and IPR BRMK557	Using Scopus Data base for carrying out Literature	Presented the website and Hands on training	20.08.20 25	Pramukh N, Assistant Professor, Civil Department, JSSATE -	97%	PO2, PO3, PO5, PO7, PSO3

			review			Bengaluru		
12	Basavaraj Akki	Geotechnical Engineering (BCV502) - V Civil	Computing The Bearing Capacity Of Soil Using Cbr Test For Pavement Design	Power- Point Presentati On	27/11/2025	Basavaraj Akki, Assistant Professor, Civil Department, JSSATE - Bengaluru	92.5%	PO1,PO2,P O4, PSO1,PSO2
13	Basavaraj Akki	Road Safety Engineering (BCV755A) - VII ISE-C	Exposure To The Motor Vehicles (Amendment) Act, 2019, Indian Road Safety Policy, And Global Frameworks (Un Decade Of Action).	Power- Point Presentati On	19/11/25	Basavaraj Akki, Assistant Professor, Civil Department, JSSATE - Bengaluru	88%	PO1,PO2,P O3,PO4,PO 5,PO6,PO7, PO8,PO9,P O10,PO11, PSO1,PSO2 ,PSO3
14	Dr. Santhosh. B.S	Design of RC Structural Elements (BCV601/C310)	For the complete knowledge of understanding and implementing the guidelines for the analysis and design of structures as per Indian Standards.	Expert Talk	27-01-2026	Dr. Santhosh. B.S Professor	95	PO2, PO3, PO4 , PSO1,PSO2 , PSO3
15		Design of RC Structural Elements (BCV601/C310)	This content provides students with practical exposure beyond theoretical concepts, bridging the gap between classroom learning and industry practices. By using professional software, students gain hands-on skills aligned with current engineering standards. These experiences build confidence and decision-making	Hands-on Experience	16-04-2026	Dr. Santhosh. B.S Professor	95	PO2, PO3, PO4, PSO1,PSO2 , PSO3

			abilities. Overall, it fosters industry readiness and holistic learning.					
16	Dr. Sanjay Shekhar N C	Introduction to AI (1BAIA103)	AI Applications in Civil Engineering	Power-Point Presentation On	02-05-2026	Dr. Sanjay Shekar N C, Associate Professor, Civil Department, JSSATE, Bengaluru	80	PO1,PO2, PO3,PO4, PO5,PO8, PO9,PO10 PSO1,PSO2,PSO3
17	Dr. Hemalatha.H.N	Fluid Mechanics and Hydraulics (BCV402)	Characteristics of different types of pumps and its applications	Power-point presentation	09-06-2026	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	85	PO6,PO7,PO8, PSO2,PSO3
18	Dr. Hemalatha.H.N	Watershed Management (BCV405D)	Watershed management practices in India	Power-point presentation	28-05-2026	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	85	PO6,PO7,PO8, PSO2,PSO3
19	Dr. Abdul Razak.B.H	Irrigation Engineering And Hydraulic Structures(BCV 602)	Use Of Soil Moisture Sensors And Iot Devices	Technical Talk	24/04/2026	Dr.Abdul Razak B H, Assistant Professor, Civil Department, JSSATE - Bengaluru	97	PO1,PO2,PO3,PO6,PO7, PSO1,PSO2 ,PSO3
20	Dr. Shashikumar a. S. R	Estimation and Contract Managment - BCV702	MS -Excel Application in Qunatity Estimation of a Building	Hand-On-Training	04/10/2025	Dr. Shashikumara S.R, Assistant Professor, Civil Department, JSSATE - Bengaluru	100	PO1, PO2, PO6, PO11, PSO1, PSO2, PSO3
21	Rashmi.S.M	Transportation Engineering - BCV403	History of highway planning in India.	Technical talk	23/05/2026	Rashmi SM Assistant Professor, Civil Department, JSSATE - Bengaluru	90	PO1,PO2,PO3,PO6,PO7, PSO1,PSO2 ,PSO3
22	Harshitha.M.N	Quality Control and Quality Assurance/ BCV657B	A proactive process that focuses on preventing defects.	Technical Talk	10/04/2026	Harshitha M N, Assistant Professor, Civil Department, JSSATE - Bengaluru	89	PO1,PO2,PO4, PSO2,PSO3
23	Pramukh.N	Design and Construction of Highway Pavements BCV613D	Determination OBC using Marshall method of Mix design by casting Moulds	Lab Activity	04.05.2026 - 07.05.2026	Pramukh N Assistant Professor, Civil Department, JSSATE - Bengaluru	100	PO1,PO2, PO3, PO6, PSO1, PSO2, PSO3
24	Apoorva S	Sustainable Development Goals (SDG) BCV654D-CSE A & B	“Role of Artificial Intelligence and IoT in achieving Sustainable Development Goals and development of	Seminar	07.05.2026	Apoorva S Assistant Professor, Civil Department, JSSATE Bengaluru	80	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO11,PSO1 ,PSO2

			Smart Sustainable Cities					
25	Basavaraj Akki	Sustainable Development Goals (SDG) BCV654D - V CSE – AI&ML B	“Role of Artificial Intelligence and IoT in achieving Sustainable Development Goals and development of Smart Sustainable Cities”	Seminar	08/05/2026	Basavaraj Akki Assistant Professor, Civil Department, JSSATE Bengaluru	90	PO1,PO2,P O3,PO4,PO 5,PO6,PO7, PO11,PSO1 ,PSO2

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Sl No	Name of the Faculty	Course with code	GAP	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Dr. Sanjay Shekhar N C	Data Analytics with Excel	Analyze the MS Project for Construction Planning	Power-point presentation	15-11-2024	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE - Bengaluru	90	PO1,PO2, PO3,PO4, PO5,PO8, PO9,PO10 PSO1,PSO2,PSO3
2	Dr. Hemalatha. H.N	Watersupply And Wastewater Engineering (BCV304)	Wastewater management strategies and treatment plant visit	Power-point presentation	22-10-2024	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	95	PO1,PO2, PO3,PO4, PO6,PO7, PO8, PSO1,PSO2,PSO3
3	Dr. Hemalatha. H.N	Watershed Management (BCV405D)	Watershed management practices in India	Power-point presentation	23-04-2025	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	85	PO6,PO7, PO8, PSO2,PSO3
4	Dr. Hemalatha. H.N	Sustainable Development Goals (BCV654D)	Sustainability goals adopted at JSSATEB	Power-point presentation	22-04-2025	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	85	PO6,PO7, PO8, PSO2,PSO3
5	Dr. Shashikumara.S.R	Quantity Survey and Contract Management	Unified Schedule Rate of Government of Karnataka	Discussion on Unified Schedule Rate	30.10.2024	Dr. Shashikumara S R, Assistant Professor, Dept. of Civil Engineering, JSSATEB, Bangalore	100	PO1,PO2, PO3,PO4, PO6,PO1, PSO1,PSO2,PSO3
6	Rashmi.S.M	Pavement Design-21CV743	Sustainable Pavement	Power-point presentation	19.12.2024	RASHMI.S.M Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO1,PO2, PO5,PO12, PSO1,PSO2,PSO3

7	Abhishek.R	Construction Management And Entrepreneur ship	Different Types of Equipment Used in Various	Video Demonstration and reporting b students	Nov 2024	Abhishek R Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO9, PO10, PO11 PSO1
			Construction Activities					
8	Harshitha.M .N	Analysis of Structures (BCV401)	Career pathway for structural engineers	Technical Talk	23.09.2024	Delta T Pvt Ltd	95%	PO4,PO5, PO9,PO12 ,PSO1
9	Apoorva S	Strength of materials (BCV301)	Application of curved beams	Power-point presentation	Nov 2024	Apoorva S Asst. Professor, Civil Department, JSSATE - Bengaluru	85%	PO1,PO2, PO5,PO12 ,PSO1,PS O2,PSO3
10	Basavaraj Akki	Geotechnical Engineering (BCV502)	Computing the bearing capacity of soil using CBR test for pavement design	Power-point presentation	18-12-2024	Basavaraj Akki, Asst. Professor, Civil Department, JSSATE - Bengaluru	92%	PO1, PO2, PO4, PSO1, PSO2



JSS MAHAVIDYAPEETHA

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SI No	Name of the Faculty	Course with code	GAP	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Dr. Sanjay Shekhar N C	Data Analytics with Excel	Analyze the MS Project for Construction Planning	Power-point presentation	12-11-2023	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE - Bengaluru	90	PO1,PO2, PO3,PO4, PO5,PO8, PO9,PO10 PSO1,PSO2,PSO3
2	Dr. Hemalatha. H.N	Watersupply And Wastewater Engineering (BCV304)	Wastewater management strategies and treatment plant visit	Power-point presentation	22-10-2023	Dr. Hemalatha H. N. Associate Professor, Civil Department, JSSATE - Bengaluru	95	PO1,PO2, PO3,PO4, PO6,PO7, PO8, PSO1,PSO2,PSO3
3	Dr. Shashikumara.S.R	Rehabilitation and Retrofitting - 18CV824	Self Study on "Indian Standard (IS) implications to tolerate effects of climate, temperature and ambient environment on durability Concrete"	Self Study	Dr. Shashikumara S R, Assistant Professor, Dept. of Civil Engineering, JSSATEB, Bangalore	Dr. Shashikumara S R, Assistant Professor, Dept. of Civil Engineering, JSSATEB, Bangalore	90	PO1,PO2, PO3,PO4, PO5,PO8, PO6,PO8 PSO1,PSO2,PSO3
4	Rashmi.S.M	Railways, Harbour, Tunneling and Airports-21CV643	History of Indian Railways	Power-point presentation	24.07.2024	Rashmi.S.M Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO1, PO2 PSO1, PSO2
5	Abhishek.R	Hydrology And Water Resource Engineering (21CV51)	Weather forecasting and its importance	Industrial Visit	Jan 2024		100	PO1, PO2 PSO1, PSO2
6	Abhishek.R	Construction Management And Entrepreneurship (21CV61)	Introduction to Formwork and its types	Video Demonstration and reporting to students	July 2024	Abhishek R Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO9, PO10, PO11 PSO1

7	Harshitha.M.N	Strength of Materials BCV301	Opportunities for structural engineers	Technical Talk	29.01.2024	Jnana Software Technologies Pvt Ltd	95%	PO1, PO2, PSO 1, PSO2
8	Apoorva S	Analysis of Structures (BCV401)	Analysis of beams and frames using Etabs	Video demonstration	02-08-22024	Apoorva S AsstProfessor, Civil Department, JSSATE - Bengaluru	90%	PO4,PO5, PO9,PO12 ,PSO1
9	Basavaraj Akki	Transportation Engineering (BCV403)	History of highway planning in India.	Power-point presentation	07-07-2024	Basavaraj Akki, Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO1, PO6, PSO1
10	Basavaraj Akki	Geotechnical Engineering (21CV54)	Computing the bearing capacity of soil using CBR test for pavement design	Power-point presentation	28-02-2024	Basavaraj Akki, Asst. Professor, Civil Department, JSSATE - Bengaluru	95%	PO1, PO2, PO4, PSO1, PSO2