



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

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

DEPARTMENT OF CIVIL ENGINEERING

Details of the gap identified for AY 2022-23

| SI No | Name of the Faculty | Course with code | GAP/CBS | Action taken | Date-Month-Year | Resource Person with designation | % of students | Relevance to POs, PSOs |
|-------|------------------------|------------------|--|--|--------------------------------------|---|---------------|--|
| 1 | Dr. Santhosh. B.S | 18CV53 | Technical tour to M/s Ultratech Cement Manufacturing unit and Bennethore dam, Gulbarga | Industrial tour | 8th Decem ber to 10th Decem ber 2022 | Dr Santhosh B S, professor & Head | 98% | PO2, PO3, PO4, PO* |
| 2 | Dr. Sanjay Shekhar N C | 18CV63 | Integrated Water Resources Management | Technical Talk | 16-05-2022 | Dr. Sanjay Shekar N C Associate Professor Dept. of Civil Engg. | 95% | PO4, PO5, PO6, PO7, PSO3, |
| | | 18CV734 | Sustainable Ground Water Management | Technical Talk | 20-12-2022 | Dr. Sanjay Shekar N C Associate Professor Dept. of Civil Engg. | 92% | PO4, PO5, PO6, PO7, PSO3, |
| 3 | Dr. Hemalatha H. N | 18CV55 | Design and operation of Sewage Treatment Plant units | Technical talk and Visit to Rajarajes wari Medical College and Hospital Sewage Treatment Plant (STP) | 19-12-2022 | Mr. Harsh G, Proprietor, Encincture Engineering and Consultants | 99% | PO1, PO2, PO3, PO4, PO6, PO7, PSO1, PSO2, PSO3 |
| | | 18CV732 | Odour pollution and its control | Lecture (Internal) | 14-12-2022 | Dr. Hemalatha H. N. Associate Professor Dept. of Civil Engg. | 97% | PO1, PO2, PSO1, PSO3 |
| 4 | Dr. Abdul Razak. B.H | 18CV61 | Composite construction | Lecture (Internal) | 15-06-2023 | Dr.Abdul Razak B H., Assistant Professor, Dept.of Civil Engineering | 90% | PO4,PO5,P O6,PO7,PO 9,PO12,PS O3 |
| | | 18CV81 | Advances in prestressing | Lecture (Internal) | 09-05-2023 | Dr.Abdul Razak B H., | 100% | PO4,PO5,P O6,PO7,PO |

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| | | | technologies | | | Assistant Professor, Dept.of Civil Engineering | | 9,PO12,PS O3 |
| | | 18CV72 | RCC & Steel Structures in Yettinahole Irrigation Project (Industrial Visit) | Industrial Visit | 17.12.2022 | Dr.Abdul Razak B H., Assistant Professor, Dept.of Civil Engineering | 90% | PO6,PO9, PO10, PO11 |
| 5 | Dr. Shashikumara. S.R | 18CV71 | Identification of importance of estimation of building and its components | Activity based assignment | 31-12-2022 | Dr.Shashikumara S R., Assistant Professor, Dept.of Civil Engineering | 100% | PO1, PO2,PO3,PSO1,PSO2, PSO3 |
| 6 | Rashmi. S. M | 18CV56 | 1 st and 2 nd 20 year road development plan | Technical talk | 21/01/2023 | Rashmi SM., Assistant Professor, Dept.of Civil Engineering | 100% | PO1, PO2,PO3,PSO1,PSO2, PSO3 |
| | | 18CV645 | History of Indian Railways | Technical talk | 08-07-2023 | Rashmi SM., Assistant Professor, Dept.of Civil Engineering | 100% | PO1, PO2,PO3,PSO4,PSO1,PSO2, PSO3 |
| 7 | Pramukh. N | 18CV745 | Urban Transport Planning | Lecture (Internal) | 31-12-2022 | Pramukh N, Assistant Professor, Dept.of Civil Engineering | 100% | PO1,PO2, PO6, PSO1, PSO2 |
| | | 18CV825 | Pavement Design | Lecture (Internal) | 09-05-2023 | Pramukh N, Assistant Professor, Dept.of Civil Engineering | 100% | PO1,PO2, PO6, PSO1, PSO2 |
| 8 | Apoorva S | 18CV52 | Analysis of beams and frames using Etabs | Demonstration (Internal) | 17-0120-2023 | Apoorva S Assistant Professor, Dept.of Civil Engineering | 67% | PO1,PO2,PO3,PO5, PSO1 |
| | | 18CV81 | Advances in prestressing technologies | Lecture (Internal) | 09-05-2023 | Apoorva S., Assistant Professor, Dept.of Civil Engineering | 97% | PO4,PO5,PSO6,PO7,PSO9,PO12,PSO3 |
| 9 | Basavaraj Akki | 18CV745 | Different modes of Urban transport and their ranking based on user and planner's view | Lecture (Internal) | 22/09/2022 | Mr. Basavaraj Akki, Assistant Professor, Dept.of Civil Engineering. | 100% | PO1, PO2, PO6, PSO1, PSO2 |

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| | | 18CV62 | Construction of Pile Foundations | Lecture (Internal) | 08/07/2023 | Mr. Basavaraj Akki, Assistant Professor, Dept.of Civil Engineering. | 90% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
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Details of the gap identified for AY 2021-22

| 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. Hemalatha H N | Municipal Waste Water Engineering – 18CV55 | Design of Sludge digestion tanks | Technical talk | 29/11/2021 | Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE | 100 | CO5, PO1, PO2, PO3, PSO1, PSO2 |
| 2 | Dr. Hemalatha H N | Air Pollution And Control – 18CV732 | Odour pollution and its control | Technical talk | 30/11/2021 | Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE | 100 | CO2, PO1, PO2, PSO1, PSO3 |
| 3 | Abhishek R | Construction Management and Entrepreneurship 18CV51 | Future Technologies and Employability in Built Environment | Webinar | 18/10/2021 | Prof. Anupam Saxena Mrics, Asso. Dean & Director, School of Real Estate & Infrastructure, RICS SBE, Noida. | 100 | PO9, PO10, PO11, PSO2 |
| 4 | Dr. Sanjay Shekar N C | Hydrology and Irrigation Engineering- 17CV73 | Integrated Water Resources Management | Technical talk | 06/08/2021 | Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE | 100 | PO4, PO5, PO6, PO7, PSO3 |
| 5 | Dr. Sanjay Shekar N C | Ground Water Hydrology- 17CV742 | Sustainable Ground Water Management | Technical talk | 20/12/2021 | Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE | 100 | PO4, PO5, PO6, PO7, PSO3 |
| 6 | Abdul Razak B H | Design of RCC and Steel structures - 18CV72 | Composite construction | Technical Talk | 25/01/2022 | Dr Abdul Razak B H, Assistant Professor, Department of Civil Engineering, JSSATEB | 100% | PO1, PO2, PO3, PO4, PO7, PO8, PO9, PO10, PSO1, PSO3 |

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| 7 | Dr. Hemalatha H N | Water Supply and Treatment Engineering – 18CV46 | Methods of laying of water supply lines | Technical Talk | 13/07/2022 | Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE | 100% | CO4, PO2, PO3, PSO1, PSO2 |
| 8 | Dr. Abdul Razak B H | Design of Steel Structural Elements - 18CV61 | Evaluation of Structure-Life Cycle Cost Analysis | Webinar | 08/06/2022 | Mr. A.K. Samanta, GM-Mechanical-INS DAG | 100% | PO2, PO8, PO12 |
| 9 | Mr. Basavaraj Akki | Applied Geotechnical Engineering - 18CV62 | Construction of Pile Foundations | Technical Talk | 11/07/2022 | Mr. Basavaraj Akki, Asst. Professor | 100% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
| 10 | Rashmi SM | Railways, Harbors, Tunneling and Airports 18CV645 | Construction of Railway tracks using Modern equipments | Technical Talk | 02/07/2022 | Rashmi SM | 100% | PO5, PO6, PO7, PO9, PO10, PO11, PSO1, PSO2, PSO3 |



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|-------|----------------------|---|--|------------------------------------|-----------------|---|---------------|---------------------------------|
| 1 | Dr.Abdul Razak B H | Design of RCC and Steel Structures-18CV72 | Durability based design of marine structures | Webinar | 19/11/2020 | Dr. Radhakrishna Pillai, Associate Professor, IIT, Madras | 100% | PO1,PO3,PO4,PO7,PO8,PO9,PO10 |
| 2 | Dr.Vivek.S | Basic Geotechnical Engineering-18CV54 | Determination of Soil Shear parameters in Laboratory | Practical conduction in Laboratory | 16/11/2020 | Dr.Vivek.S, Assistant Professor, Civil Department, JSSATE | 90% | PO1,PO2,PSO1,PSO2 |
| 3 | Prof. Basavaraj Akki | Basic Surveying - 18CV35 | Tacheometric survey | Technical Talk | 11/12/2020 | Prof. Basavaraj Akki, Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru. | 100% | PO1, PO2, PO3, PSO1, PSO2 |
| 4 | Prof. Archana J | Basic Surveying - 18CV35 | Tacheometric survey | Technical Talk | 11/12/2020 | Prof. Basavaraj Akki, Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru. | 100% | PO1, PO2, PO3, PSO1, PSO2 |
| 5 | Prof. Basavaraj Akki | Applied Geotechnical Engineering | Construction of Pile Foundations | Technical Talk | 20/07/2021 | Prof. Basavaraj Akki, Assistant Professor, Civil Department, JSSATE - Bengaluru. | 100% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
| 6 | Prof Rashmi SM | Pavement Design - 17CV833 | Functional & Structural analysis of Pavement | Technical talk | 17/07/2021 | Prof. Rashmi SMi, Assistant Professor, Civil Department, JSSATE - | 100% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |

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| | | | | | | Bengaluru. | | |
| 7 | Prof Rashmi SM | Railways, Harbors, Tunnel & Airport - 18CV645 | History of Indian Railways | Technical talk | 26/05/2020 | Prof. Rashmi SMi, Assistant Professor, Civil Department, JSSATE - Bengaluru. | 100% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
| 8 | Prof. Harshitha M N | Advanced Surveying- | Modern Surveying Instruments | Technical talk | 14/07/2021 | Prof. Harshitha M N, Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO2, PO3, PO5, PSO1, PSO2 |
| 9 | Prof. Archana J | Basic Building Materials | "Use of construction and demolition waste" | Technical talk | 14/12/2020 | Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PSO1, PSO2, |
| 10 | Prof Apoorva S | Analysis of Indeterminate Structures | Learning from Structural Failure | Webinar | 23/10/2021 | Prof. Aravind Galagali, Ministry of water resource, Govt of India. | 90% | PO1, PO2, PO3, PO4 |
| 11 | Dr. Shashikumara S R | Quantity Surveying and Contracts Management - 17CV81 | Estimation of Building | Unit Test | 26/04/2021 | Dr. Shashikumara S R Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
| 12 | Dr. Hemalatha H. N. | Municipal and Industrial Waste Water Engineering (18CV55/C305 and 15CV71/C401) | Demonstration of Activated Sludge Process | Technical Talk | 14/10/2020 | Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PO4, PO6, PO7, PSO1, PSO2, PSO3 |
| 13 | Dr. Hemalatha H. N. | Water Supply and Treatment Engineering (18CV46/C215) | Design of Water Treatment Plant Units | Technical Talk | 03/06/2021 | Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PSO1, PSO2, PSO3 |

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| 14 | Prof. Basavaraj Akki | Water Supply and Treatment Engineering (18CV46/C215) | Design of Water Treatment Plant Units | Technical Talk | 03/06/2021 | Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PO4, PO6, PO7, PO8 |
| 15 | Dr. Shashikumara S R | Fluid Mechanics - 18CV33 | Numerical Problem Solving | Assignment | 20/01/2021 | Dr. Shashikumara S R Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PO4, PSO1, PSO2 |
| 16 | Dr. Sanjay Shekar N C | Hydrology and Irrigation Engineering- 17CV73 | Integrated Water Resources Management | Technical talk | 25/09/2020 | Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE | 100 | PO4, PO5, PO6, PO7, PSO3 |
| 17 | Dr. Sanjay Shekar N C | Ground Water Hydrology- 17CV742 | Sustainable Ground Water Management | Technical talk | 24/9/2020 | Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE | 100 | PO4, PO5, PO6, PO7, PSO3 |
| 18 | Prof. Pramukh N | Concrete Technology | Grades of Concrete and Application of different grades | Technical Talk | 13/04/2021 | Prof. Pramukh N Assistant Professor, Civil Department, JSSATE - Bengaluru | 100% | PO1, PO2, PO3, PO4, PO8, PSO1, PSO2, PSO3 |
| 19 | Dr Santhosh B S | Concrete Technology (18CV44) | Analysis and Design of Mix Proportion & Analyzing the Fresh and Hardened Properties of a prepared Concrete Mix using IS-Codes | Mini Project | 23/05/2021 | Dr Santhosh B S, Associate Professor, Department of Civil Engineering, JSSATEB | 100% | PO2, PO3, PO4, PO8, PSO1, PSO2, PSO3 |



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|-------|---------------------|---|---|-------------------------------------|-----------------|---|---------------|---|
| 1 | Hemalatha H N | Municipal and Industrial Waste Water Engineering (15CV71) | Nanotechnology in Civil and Environmental Applications | Guest Lecture | 06/11/2019 | Dr. Dinesh Rangappa, Professor & Chairman, Department of Nanotechnology VTU Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur | 91 | PO4, PO6, PO7, PO8, PO9, PO10, PSO1, PSO2, PSO3 |
| 2 | Basavaraj Akki | Applied Geotechnical Engineering (17CV53) | To know the fundamentals of construction of pile foundations. | Internal Seminar | 19/11/2019 | Basavaraj Akki | 95 | PO1, PO2, PO3, PSO1, PSO2, PSO3 |
| 3 | Basavaraj Akki | Air Pollution and Control (17CV551) | Bhutan – Carbon negative country | Student Seminar & Report submission | 08/11/2019 | Basavaraj Akki | 100 | PO8, PO12, PSO2, PSO3 |
| 4 | Abdul Razak B H | Design of RCC and Steel Structures (15CV72) | Composite Construction | Expert talk | 19/10/2019 | Er. Venkatesh.K.V, Senior Structural Engineer, TRC Engineering(I) Pvt.ltd., Bangalore | 95 | PO1, PO2, PO3, PO4, PO7, PO8, PO9, PO10, PSO1, PSO3 |
| 5 | Shashi Kumara S R | Fluid Mechanics (18CV33) | Different forces acting on dam section | Field visit to Markonalli Dam | 28/08/2019 | Shashikumar S R Assistant Professor, Department of Civil Engineering, JSSATE, Bangalore | 100 | PO1, PO2, PO3, PO4, PO6, PSO1, PSO3 |

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| 6 | Shashi Kumara S R | Rehabilitation and Retrofitting of Structures (15CV753) | Contemporary repair materials | Expert talk | 16/10/2019 | Sunil R K C.E.O, M/S Design Tree Service Consultants Pvt. Ltd., Bangalore | 100 | PO1, PO2, PO3, PO4, PO6, PSO1, PSO2, PSO3 |
| 7 | Abhishek R | Hydrology and Irrigation Engineering (17CV73) | Salient Features of Yettinahole Project | Expert talk | 16/10/2019 | Er. Surendra G.B, Deputy Chief Engineer, Yettinahole Project, Visvesvaraya Jala Nigam Ltd, Government of Karnataka, Tumkur | 100 | PO1, PO2, PO3, PSO1, |
| 8 | Pramukh N | Urban Transport Planning (17CV751) | Different modes of Urban transport and their ranking based on user and planners view | Report Submission | 10/09/2019 | Pramukh N | 100 | PO1, PSO1, PSO2 |
| 9 | Dr Santhosh B S | Design of RC Structural Elements (17CV51) | Analysis and design of RC Structural element using Staad Pro Software | Workshop | 30/11/2019 | Mr Shashi Kumar C S, Principal Consultant, M & J Consultant | 68 | PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3 |
| 10 | Dr santhosh B S | Design of RC Structural Elements (17CV51) | Visit to M/s JSW Cements Manufacturing Unit, Bellary | Industrial Visit | 15/11/2019 to 17/11/2019 | Dr Santhosh B S | 90 | PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3 |
| 11 | Harshitha M N | Basic Surveying (18CV35) | Errors, Mistakes and precautions in Levelling | Internal Lecture | 23/09/2019 | Harshitha M N | 98 | PO1, PO2, PO3, PSO1, PSO2 |
| 12 | Rashmi S.M | Traffic Engineering (17CV561) | Analysis of road accidents | Internal Lecture | 28/11/2019 | Rashmi S.M | 90 | PO1, PO2, PO3, PSO1, PSO2, PSO3 |

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| 13 | Rashmi S.M | Railways, Harbors, Tunneling and Airports (17CV552) | Visual aids - Airport | Internal Lecture | 18/11/2019 | Rashmi S.M | 100 | PO 1, PO 2, PO 3, PO 4, PSO1, PSO2, PSO3 |
| 14 | Apoorva S | Engineering Geology (18CV36) | Application of Remote sensing and GPS in civil engineering field | Internal Lecture | 20/11/2019 | Apoorva S | 95 | PO1, PO3 |
| 15 | Shashi Kumara S R | Fluid Mechanics (18CV33) | Feature of River Valley Project | Field visit to Markon alli Dam | 28/08/2019 | Shashi Kumara S R, | 100 | PO1, PO6, PO7, PSO1, PSO2, PSO3 |
| 16 | Dr Santhosh B S | Design of RC Structural Element (17CV51) | To Understand the Manufacturing Process of Cement | Industrial Visit | 15-11-2019 to 17-11-2019 | Dr Santhosh B S | 90 | PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3 |

