



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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## 48<sup>th</sup> series of Student Project Programme (SPP): 2024-25

### MIDTERM EVALUATION

**Date: 23 April 2025, 9.30 AM**

**Session Link:** <https://meet.google.com/rfq-uzjv-cpt>

**Note:** Only the below-mentioned project teams should join the session

| Sl. No. | PROPOSAL REFERENCE NO. | PROJECT TITLE                                                                                    | COURSE | BRANCH                              | NAME OF THE COLLEGE                       | NAME OF THE GUIDE (S)                          | NAME OF THE STUDENT (S)                                                                    |
|---------|------------------------|--------------------------------------------------------------------------------------------------|--------|-------------------------------------|-------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------|
| 1.      | 48S_BE_6414            | SPEECH RECOGNITION AND SEMANTIC ANALYSIS POWERED SMART FACILITATOR FOR IT INDUSTRY - SPECTRUM AI | B.E.   | COMPUTER AIDED DESIGN OF STRUCTURES | P.D.A. COLLEGE OF ENGINEERING, KALABURAGI | Dr. JAYASHREE AGARKHED<br>Prof. SMT. JAYANTI.K | Ms. BHAVYA SHERIKAR<br>Ms. SRUSHTI BILURKAR<br>Ms. VARSHARANI SONNAD                       |
| 2.      | 48S_BE_0470            | SOLAR-INTEGRATED GREEN BUILDING WITH SUSTAINABLE MATERIALS AND WATER MANAGEMENT                  | B.E.   | CIVIL ENGINEERING                   | R.R. INSTITUTE OF TECHNOLOGY, BENGALURU   | Dr. PRASEEDA E<br>Mr. MARUTI M N               | Mr. HARISH N<br>Mr. GYANENDRA YADAV<br>Mr. UMESH KUMAR YADAV<br>Mr. AJAY PANJIYAR          |
| 3.      | 48S_BE_4873            | E -WASTE SEGREGATION MODEL IN SOLID WASTE MANAGEMENT                                             | B.E.   | CIVIL ENGINEERING                   | REVA UNIVERSITY, BENGALURU                | Dr. MA NAGESH                                  | Mr. KARTHIK D<br>Mr. ABHISHEK<br>Mr. MONISH GOWDA S                                        |
| 4.      | 48S_BE_4935            | BIOFILTRATION OF AIR AT INDUSTRIAL INDOOR ENVIRONMENT                                            | B.E.   | CIVIL ENGINEERING                   | REVA UNIVERSITY, BENGALURU                | Mr. SRINIDHI S U                               | Mr. MOHAN CHANDRA SHETTY A V<br>Mr. VARUN PILLAY<br>Mr. HARSHA S M<br>Mr. STANZIN CHOSGYAL |

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| 5.  | 48S_BE_5033 | EVALUATION ON THE PERFORMANCE OF BIOASPHALT MIXES CONTAINING RECLAIMED ASPHALT PAVEMENT MATERIALS | B.E. | CIVIL ENGINEERING | REVA UNIVERSITY, BENGALURU                         | Prof. PREETHI S<br>Dr. AVINASH H T                    | Mr. SANTHOSH KUMAR<br>Mr. SUHAS GOWDA D<br>Mr. CHARAN GOWDA N<br>Mr. ABOBI YVES                                     |
| 6.  | 48S_BE_5206 | THE STUDY ON RECLAIMED AGGREGATE                                                                  | B.E. | CIVIL ENGINEERING | REVA UNIVERSITY, BENGALURU                         | Prof. PRASHANTH.N                                     | Ms. POOJA.V<br>Mr. BUSHITRAJ.M S<br>Mr. MOHAMMED ZAIN<br>Mr. KARTIK P PATIL                                         |
| 7.  | 48S_BE_5672 | PHYTOEXTRACTION OF METALS FROM E-WASTE INDUCED HYDROPONIC SYSTEM                                  | B.E. | CIVIL ENGINEERING | REVA UNIVERSITY, BENGALURU                         | Mr. SRINIDHI S U<br>Dr. M D SAIFUDDIN                 | Mr. JAYSON PRITHESH P<br>Mr. MADHU BM<br>Mr. PRAJWAL M<br>Mr. SUMANTH GOUDA                                         |
| 8.  | 48S_BE_5087 | SELECTION OF EFFECTIVE WATERPROOFING TECHNIQUES TO REDUCE THE CORROSION PROBLEM IN CONCRETE SLAB  | B.E. | CIVIL ENGINEERING | S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI | Dr. SANTOSH CHIKKABAGEWADI<br>Dr. K B PRAKASH         | Mr. SHIVANAND SAMPAGAON<br>Mr. PRANAV BENDIGERI<br>Ms. AMBIKA KESAPUR<br>Mr. PRATHAMESH MOTAGI                      |
| 9.  | 48S_BE_5882 | LOW COST GEOGRID: BAMBOO AS A GEOGRID FOR IMPROVING GROUND CHARACTERISTICS                        | B.E. | CIVIL ENGINEERING | S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI | Prof. SHWETA N VANTAMURI                              | Mr. ALTAF I MUJAWAR<br>Mr. YALLAPPA RAMA PATIL<br>Mr. AHMED MANSOOR MUJAWAR<br>Mr. SWATIKSINGH S CHAVAN             |
| 10. | 48S_BE_6098 | AN EXPERIMENTAL STUDY ON THE PROPERTIES OF COMPAC-PRESSED SUSTAINABLE PAVER BLOCK                 | B.E. | CIVIL ENGINEERING | S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI | Prof. SANDEEP KULKARNI<br>Prof. VIVEKANAND KORISHETTI | Mr. SHAFFI MOHAMMAD FAROOQ<br>Mr. FURKAN FAZAL KACHERI<br>Mr. MOSHIN MOHAMAD RASUL JAMADAR<br>Mr. SUFIYAN.A. SHAIKH |

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| 11. | 48S_BE_1112 | STUDY ON THE USE OF NANO-CALCIUM CARBONATE AS A BINDER AND CINDER AS AN AGGREGATE IN LIGHTWEIGHT CONCRETE                                                                                                 | B.E. | CIVIL ENGINEERING | S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA           | Prof. BHAVYA S                          | Mr. KIRAN G M<br>Mr. LIKITH GOWDA T S<br>Mr. SHASHANK REDDY K P<br>Mr. VENKATESH G               |
| 12. | 48S_BE_1199 | EXPERIMENTAL STUDY ON CARBON FIBER REINFORCED LIGHTWEIGHT AGGREGATE CONCRETE (CFRLAC)                                                                                                                     | B.E. | CIVIL ENGINEERING | S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA           | Prof. BHAVYA S<br>Prof. CHANDRAKALA S   | Mr. H S SAI Koushik<br>Mr. AKASH Y R<br>Mr. SURAJ GOWDA N                                        |
| 13. | 48S_BE_2446 | EVALUATION OF PHYSICO-CHEMICAL PARAMETERS OF GONUR LAKE AND THEREBY ASSESSING THE FEASIBILITY OF THE WATER BODY                                                                                           | B.E. | CIVIL ENGINEERING | S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA               | Prof. ANUSHA V                          | Mr. ABHISHEK C J<br>Mr. AMRUTH S<br>Ms. BINDU V<br>Mr. SRINIVAS REDDY D R                        |
| 14. | 48S_BE_3124 | AN EXPERIMENTAL STUDY ON PERMEABLE CONCRETE CEMENT REPLACING BY FLY ASH                                                                                                                                   | B.E. | CIVIL ENGINEERING | S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA               | Ms. NIKITHA G A                         | Mr. YADUNANDANA K<br>Mr. WASEEM AKRAM S<br>Ms. SHIFA H<br>Mr. SHIVARAJA H                        |
| 15. | 48S_BE_1345 | ADVANCED PARKING SYSTEM USING MAGNETIC SENSORS                                                                                                                                                            | B.E. | CIVIL ENGINEERING | SAI VIDYA INSTITUTE OF TECHNOLOGY, BENGALURU              | Mr. GOWTHAM B<br>Prof. ESHWARAJ         | Ms. SUNIDHI S GHALAGI<br>Mr. MOHITH HC                                                           |
| 16. | 48S_BE_3626 | ENHANCING THE ANAEROBIC SLUDGE CHARACTERISTICS AND INORGANIC IMPURITIES REMOVAL FROM SYNTHESIS WASTEWATER THROUGH INTEGRATION OF ELECTROCOAGULATION PROCESS WITH UP FLOW ANAEROBIC SLUDGE BLANKET REACTOR | B.E. | CIVIL ENGINEERING | SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA | Dr. CHETAN MAROL<br>Dr. CHETAN MAROL    | Ms. SANIYA ZKALADGI<br>Ms. NIDA HABIBA.N. CHATTARKI<br>Ms. SAHEBA S. NADAF<br>Ms. LAXMI B. NAYAK |
| 17. | 48S_BE_5989 | MAXIMIZING EFFICIENCY IN RESIDENTIAL BUILDING DESIGN: THE ROLE OF BIM IN VISUALIZATION AND PROCESS OPTIMIZATION COMPARED TO CAD                                                                           | B.E. | CIVIL ENGINEERING | SHARNBASVA UNIVERSITY, KALABURAGI                         | Ms. SAKSHESHWARI<br>Mrs. PREETI ARAKERI | Ms. KUMUDA<br>Ms. AISHWARYA<br>Ms. N BHAVANA<br>Ms. PAVITRA                                      |

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| 18. | 48S_BE_2367 | AUTOMATED CONSTRUCTION<br>LABOR BILLING APPLICATION FOR<br>UDUPI REGION                                   | B.E. | CIVIL<br>ENGINEERING | SHRI MADHWA<br>VADIRAJA INSTITUTE<br>OF TECHNOLOGY<br>AND MANAGEMENT,<br>UDUPI | Mr. ROSHAN S<br>KOTIAN        | Mr. K SATHVIK ACHARYA<br>Mr. ARYAN RAJ<br>Mr. VEERRASEKHARA G |
| 19. | 48S_BE_2569 | SUSTAINABLE PERVIOUS<br>INTERLOCKING PAVER BLOCKS                                                         | B.E. | CIVIL<br>ENGINEERING | SHRI MADHWA<br>VADIRAJA INSTITUTE<br>OF TECHNOLOGY<br>AND MANAGEMENT,<br>UDUPI | Mr. SUNIL S<br>HALDANKAR      | Mr. VINAY KUMAR<br>Mr. SUHAS KANCHAN<br>Mr. KIRAN P           |
| 20. | 48S_BE_2600 | USE OF ARECA NUT HUSK ASH<br>AND ALKALI AS A PARTIAL<br>REPLACEMENT OF CEMENT IN<br>ECO-FRIENDLY CONCRETE | B.E. | CIVIL<br>ENGINEERING | SHRI MADHWA<br>VADIRAJA INSTITUTE<br>OF TECHNOLOGY<br>AND MANAGEMENT,<br>UDUPI | Mr.<br>MADHUSOODHANA<br>RAO N | Mr. PARIKSHITH NAYAK<br>Mr. YASH KUMAR<br>Mr. ANNAPPA         |