



KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

48th series of Student Project Programme (SPP): 2024-25

MIDTERM EVALUATION

Date: 5 May 2025, 9.30 AM

Session Link: <https://meet.google.com/ewf-oaiz-jmm>

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_1793	WIRELESS WATER LEVEL CONTROLLER & MOTOR SAFEGUARD SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAAVI	Prof. SATEESH DODAMANI	Mr. GURURAJENDRAYYA HIREMATH Ms. ARCHANA GUMASTE Ms. KRUTIKA B PATIL Ms. SANNIDHI S TUBACHI
2.	48S_BE_4156	ELECTRIC VEHICLE WIRELESS CHARGING STATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA	Prof. DEEPAK V LOKARE	Mr. SACHIN PADESUR Mr. MAHMAD TOUFIK RAJJUSAB MEKAMUNGALI Mr. VIJAY BYADAGI Mr. VISHAL NAVILKAR
3.	48S_BE_3744	IMPLEMENTATION OF MULTI-MODE EV CHARGING SYSTEM INTEGRATED WITH SOLAR, BATTERY AND HYBRID SOLUTIONS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Dr. S.NAGARAJA RAO Dr. SACHIN.S	Mr. SHUBHAKARA D Mr. MOHAN B L Ms. SHIRISHA Ms. SHRUSTI ARJUN MATTIKOP

4.	48S_BE_5975	DESIGN AND DEVELOPMENT OF BATTERY-LESS SUSTAINABLE ENERGY HARVESTER USING TEG WITH INTELLIGENT CONTROL BASED LOW POWER GAIN CONVERTER FOR EMERGING IMPLANTABLE MEDICAL DEVICES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Dr. S.NAGARAJA RAO Dr. SACHIN S	Mr. KIRAN L Mr. RAJANI SANGANGOWDA PATIL Mr. RAVI MANMI Mr. GIRIMALLA KATAGERI
5.	48S_BE_4285	PLC BASED AUTOMATED MIXING SYSTEM IN A TANK	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE	Prof. RAJALAKSHMI SAMAGA B L	Mr. CHARAN PRABHU Mr. BHARATH KUMAR V Mr. AVISH LAWRENCE PINTO Mr. CLIFFORD LLOYD DSOUZA
6.	48S_BE_5939	ACTIVE CELL BALANCING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE	Dr. GIRISHA JOSHI	Ms. KHSUHI N GOWDA Ms. BINDU S SALANKI Ms. BHANUPRIYA R Ms. BHUVANA
7.	48S_BE_0742	THERAPEUTIC TREADMILL AND FOOT PEDAL FOR PHYSICALLY CHALLENGED CHILDREN	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	Dr. S.SUJITHA	Mr. SUPRITH U Mr. P VAMSHI KRISHNA Ms. S KAVYA Ms. SYEDA MEHAK FATHIMA
8.	48S_BE_0920	RESCUE ROVER: ALL-TERRAIN EMERGENCY RESPONSE AND EXPLORATION VEHICLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	Dr. S SUJITHA	Mr. M JEEVAN Mr. KARTHIK R
9.	48S_BE_0982	DISTRIBUTOR CONTROL ALGORITHM FOR SWARM ROBOTICS IN DYNAMIC ENVIRONMENT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	Dr. S.SUJITHA	Ms. MEGHANA.PV Mr. MITHUN.S
10.	48S_BE_1603	CIRCULAR MOBILITY: SELF-REGENERATING TIRES FOR SUSTAINABLE ELECTRIC TRANSPORTATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	Dr. B. GUNAPRIYA	Ms. KRUTHIKA D C Ms. K RAJINI Mr. SAGAR Mr. DHANANJAY

11.	48S_BE_5795	ADVANCE NEUROPROSTHETIC WHEELCHAIR WITH EMG CONTROL	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	P.E.S. COLLEGE OF ENGINEERING, MANDYA	Mrs. ANUSHA M K	Mr. RAHUL G R Ms. RAKSHITHA M N Mr. SANTHOSHA K S Mr. SHIVAPRASAD M
12.	48S_BE_1976	SMART ENERGY METER FOR DAILY MONITORING OF ELECTRICAL POWER CONSUMPTION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	Mr. KIRAN M R	Mr. KARTHIK V Ms. APOORVA P R Ms. POORNIMA S Mr. VEERESH P R
13.	48S_BE_3426	TRAIN COLLISION AVOIDANCE AND CRACK DETECTION USING ULTRASONIC SENSOR AND IR SENSOR	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	Dr. RUDRESHA S J	Mr. CHANDAN KUMAR M S Mr. SHIVARAJ S HOSAMANI Mr. AKASH AMBARE S Mr. MURUGHARAJ U M
14.	48S_BE_4085	POWER GENERATION FROM SPEED BREAKER AND WIND TURBINE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	Mrs. KALPANA S	Ms. SHANTHALA K S Ms. AISHWARYA P JAIN Ms. RADHIKA L
15.	48S_BE_4408	SOLAR BASED AI-ENHANCED PROTECTION FROM ANIMALS FOR AGRICULTURE CROPS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	Prof. PRADEESHA J	Mr. VIVEKANANDA K KALE Mr. THARUN KUMAR R Mr. SAGAR D Mr. ARVIND K S
16.	48S_BE_3769	SMART IOT-BASED HYDROPONICS SYSTEM FOR SUSTAINABLE INDOOR CULTIVATION OF MICROGREENS AND HIGH-VALUE CROPS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Dr. R. ARUL JOSE	Mr. AFNAN SHARIFF A Mr. MANOJ K.P Mr. BHARATH N
17.	48S_BE_3535	CUSTOMIZED CNC MACHINE FOR COST-EFFICIENT MANUFACTURING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Prof. SUJO OOMMEN Prof. MAHESH KUMAR	Mr. MOHIT SINGH Mr. SHAIK NAZIDULLA Mr. SAUMYA KUMAR Mr. KUNAL KUMAR AMAR
18.	48S_BE_3758	PERFORMANCE EVALUATION OF A BLDC MOTOR USING AND EV MODULE WITH A BOOST CONVERTER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. MANISH BHARAT Prof. C JAYAKRISHNA	Ms. AAYUSHI BALA Mr. HRISHABH RATHOR Ms. SANJANA R

19.	48S_BE_3833	INTELLIGENT BATTERY MANAGEMENT SYSTEM FOR ELECTRICAL VEHICLE WITH MACHINE LEARNING-DRIVEN CHARGE MONITORING AND FIRE SAFETY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Prof. DEEPA K R	Mr. RAVITEJA B S Mr. PRASHANTH T Mr. PREMSAGAR M Mr. VIJAY G
20.	48S_BE_3905	DEVELOPMENT OF AUTOMATIC SOLAR PANEL CLEANING SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. BANSILAL BAIRWA	Mr. SHIVUKUMAR B K Mr. SHASHANK H O Mr. G SHIVA PRASAD Mr. JASHWANTH G N
21.	48S_BE_3915	DESIGN AND IMPLEMENTATION OF A DEEP NEURAL NETWORK-DRIVEN PREDICTIVE CONTROLLER FOR ELECTRIC VEHICLE BATTERY CHARGING OPTIMIZATION AND LIFE CYCLE MANAGEMENT IN ACCORDANCE WITH IEC 62619	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. RITESH DASH	Mr. ADITYA R BHUSANUR Ms. BINDU SHREE S Ms. GOWRI S BIRADAR Ms. SNEHA N
22.	48S_BE_3932	DESIGN AND DEVELOPMENT OF ANN-ENABLED DISTANCE AND TIME PREDICTION SYSTEM FOR ELECTRIC VEHICLES WITH 80KG PAYLOAD FOR ACHIEVING SUSTAINABLE MOBILITY AND INTELLIGENT TRANSPORT SYSTEMS BASED ON GOOGLE NET-50.	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. JYOTHEESWARA REDDY Dr. RITESH DASH	Mr. C CHANDAN Mr. ANIL JAVALGI Mr. DRUPAD S Mr. SHIVA KUMAR P
23.	48S_BE_3959	MULTIFUNCTIONAL SIGN HAND GLOVES FOR WOMEN'S SAFETY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Prof. BANSILAL BAIRWA Dr. SEEMA MAGADUM	Mr. TUSHAR C SALIAN Mr. VIVEK M BAGALI Mr. SANDEEP Y Mr. GUNA SEKHAR
24.	48S_BE_4689	DESIGN AND DEVELOPMENT OF INNER CURRENT STRATEGIES USING PI CONTROLLER FOR EV	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. MANISH BHARATH Prof. C JAYAKRISHNA	Mr. G SANGAMESH Mr. MAHADEV Mr. BASAVALING Mr. GAIKWAD MAHESH

25.	48S_BE_4701	AUTOMATED FAULT DETECTION AND QUALITY INSPECTION MODULE FOR INDUSTRIAL MANUFACTURING APPLICATION USING VISUAL INSPECTION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Prof. ANIL KUMAR D B	Mr. PRANAV S Mr. R TARUN Mr. SAI KHANTH K A
26.	48S_BE_5486	AI -POWERD AUTONOMOUS GRASS CUTTING ROBOT FOR SMART LAWN MAINTENANCE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Mr. BURRI ANKAIAH	Mr. SAI KRISHNA Mr. OMKAR Mr. PAVAN MY Mr. ZAFAR
27.	48S_BE_5963	DESIGN OF SWITCHED CAPACITOR ASYMMETRICAL MULTILEVEL INVERTER: IMPROVING STEP-UP AND STEP-DOWN FUNCTIONAL CAPABILITIES FOR EV APPLICATION.	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. SAAHITHI S	Ms. KEERTHANA S Mr. GIRISH M Ms. SHREYA M Ms. DHANYASHREE B
28.	48S_BE_6016	AI OPTIMIZED POWER MANAGEMENT FOR SUSTAINABLE WATER PUMPING WITH DISTRIBUTED ENERGY SOURCES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Dr. BHARGAVI KM	Ms. SUJANA S SHEKHAR Ms. POOJA A TOTAD Ms. TARIKA SAI LAXMI TR Ms. VEENA ARJUN HUDED
29.	48S_BE_6113	DESIGN AND DEVELOPMENT OF STATOR PROTECTION SYSTEM IN AN INDUCTION MOTOR USING NUMERICAL RELAY-49/46/52	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	REVA UNIVERSITY, BENGALURU	Mr. BURRI ANKAIAH Dr. RITESH DASH	Ms. LAASYA R Ms. INDU NS Mr. PRAJWAL GOWDA