

# The Institution of Engineers (India)

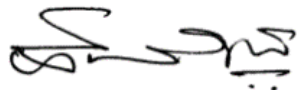
Karnataka State Centre, Bengaluru

Following Projects have been approved by the Expert Committee for the Students Research Project Proposal (SRPP) for the year 2025-26

## SUBJECT: Electronics & Communications

SL.No	Name of the College	Title	Name of Guide	Sanctioned Amount
1.	BGM Institute of Technology Mudhol	Design & Development of a Secure Biometric-Based Electronic Voting system with Real Time Counting	Prof V Vinay Shettar Prof Sneha B Kotin	Rs. 3,000/-
2.	BGM Institute of Technology Mudhol	Smart & Pollution controlled Pesticide Sprayer for Agriculture using Solar power	Dr Anupama P Patil Prof Sukanya K	Rs. 3,000/-
3.	BGM Institute of Technology Mudhol	An IOT based Patient Identification and Monitoring systems in emergency cases using RFID	Dr Anupama P Patil Prof Rashi M Kittali	Rs. 3,000/-
4.	BGM Institute of Technology Mudhol	Next-Gen intelligent Cart System with Automation billing & Self- Checkout Mechanisms	Dr. Gururaj S Kori Prof Ravi M Bashetti	Rs. 3,000/-
5.	BGM Institute of Technology Mudhol	IOT Based automated Paralysis Patient Healthcare system using Arduino & GSM	Prof Ratna B Angadi	Rs. 3,000/-
6.	BGM Institute of Technology Mudhol	Smart IoT Robotic Patrol for Explosive Detection Bomb Disposal	Prof Ratna B angadi	Rs. 3,000/-
7.	BNM Institute of Technology	AquaPure: Smart Embedded System for Removal of Excess Fluoride in Drinking Water	Dr. Rekha P Dr. Yasha JM Shirur	Rs. 3,000/-
8.	BGS Institute of Technology	Smart Vision Stick: An IoT Based navigation Generative AI Analysis	Dr Naveen K B	Rs. 3,000/-
9.	Dayananda Sagar college of Engineering	Design & Simulation of a 2.4 GHz Rectenna Based Ambient RF Energy Harvesting System	Dr. Iffath Fawad	Rs. 3,000/-
10.	Dayananda Sagar college of Engineering	AgriVision Machine Learning Based Robotic Harvesting and disease Detection System	Dr Pavithra G	Rs. 3,000/-
11.	Dayananda Sagar college of Engineering	Real Time Road Damage Detection and Drive Assistance system	Dr Vinod Durdi	Rs. 3,000/-
12.	Dayananda Sagar college of Engineering	5F Enabled Real-Time Wearable Health Monitoring and emergency Alert System	Dr Preeti Khanwalkar	Rs. 3,000/-
13.	Dayananda Sagar college of Engineering	Humanoid robot controlled by real Rime image processing and Agentic AI	Dr. Swapnil S Ninawe, Dr Pavithra G	Rs. 3,000/-
14.	Dayananda Sagar college of Engineering	Cleantech Restroom IOT Enabled smart sanitation for personalized hygiene & Sustainability	Dr Preeti Khanwalkar	Rs. 3,000/-

15.	Dayananda Sagar college of Engineering	AI Enabled 2 <sup>nd</sup> Life battery Energy storage system supporting circular economy	Dr P Usha	Rs. 3,000/-
16.	Dayananda Sagar college of Engineering	Implementation of bidirectional VLC Communication System with Automatic RF Fallback	Dr Sandeep K V	Rs. 3,000/-
17.	Dayananda Sagar college of Engineering	5G- Oriented Crowd Density Based network Load Prediction System using IoT & L MATLAB	Dr Sandeep K V	Rs. 3,000/-
18.	Dayananda Sagar college of Engineering	Crash shield V2V-Based Auto Braking system To prevent chain accident using machine learning	Prof Anjana Joshi	Rs. 3,000/-
19.	Vivekananda Institute of Techn.	Smart Helmet for Accident Prevention and Alcohol Detection	Dr. Bhagyalakshmi N	Rs. 3,000/-
20.	Vivekananda Institute of Techn	Secure She	Dr. Bhagyalakshmi N	Rs. 3,000/-
21.	Vivekananda Institute of Techn	Automatic Waste Segregation system	Mrs. Mamatha M	Rs. 3,000/-
22.	Vidya Vikas Institute of Engineering & Technology Mysuru	Navigable Autonomous Sensor Healthhub	Dr Suma Mrs. Komalakumari	Rs. 3,000/-
23.	Vidya Vikas Institute of Engineering & Technology Mysuru	The Smart Buoy: A Connected Life Jacket for Fishermen	Prof Komalakumari Dr. Suma	Rs. 3,000/-
24.	Vidya Vikas Institute of Engineering & Technology Mysuru	IoT Manhole Monitoring and alerting System	Dr Rajalakshmi M C Prof. Pallavi J	Rs. 3,000/-
25.	Vidhyavardhaka College of Engg	Smart Voice: a Voice Controlled Home Automation	Prof Harshitha K	Rs. 3,000/-
26.	Don Bosco Institute of Techno.	Solar Powered Cold Storage Method to Provide Economical solution for Cold Chain	Dr Babitha S	Rs. 3,000/-
27.	SJC Institute of Technology	Real Time EEG Based Intelligent Assistive Wheelchair with Safety and IoT Integration	Dr c Rangaswamy	Rs. 3,000/-
28.	SJC Institute of Technology	Simulation & AI Modeling of Photonics Based Optical Biothreat Early Warning System	Dr Hareesh Kumar	Rs. 3,000/-
29.	BMS College of Engineering	Development of Custom 10.2525 GHz Antenna System for AI Based Activity Monitoring	Dr C Gururaj	Rs. 3,000/-
30.	BMS College of Engineering	Electrocardiogram Based Biometric Authentication system using edge computing	Dr C Gururaj	Rs. 2,500/-
31.	M S Ramaiah Univeristy of Applied Science	Design & Development of a Reactive Robo toy for Child (6-36Months)	Prof Vishwanath K	Rs. 2,500/-
32.	M S Ramaiah Univeristy of Applied Science	Design & Development of automated billing cart for efficient and fast checkout by portable AI-Enabled Trolley	Prof Vishwanath K	Rs. 2,500/-
33.	Jain college of Engineering Belagavi	Eliminating the "Ready Pressure" Trade-off: A Machine Learning Approach to Anticipatory G-Suit Inflation	Dr. Avinash S Joshi	Rs. 2,500/-
34.	HKBK College of Engineering	Design & Development of Smart Security System using Raspberry Pi	Dr Manjunatha R Kounte	Rs. 2,500/-



**Dr. H K Ramaraju, FIE**

Chairman, IEIKSC

Vice Principal & HOD, Civil Engg, DSCE, B'lore



**Dr K R Nataraj, FIE**

Hon.Secretary, IEIKSC

Dean & Director, (R&D), DBIT, B'lore