

# SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Organized**

**Demo Day**

*Under the aegis of*

**INSTITUTION'S INNOVATION COUNCIL (IIC)**

**EVENT TITLE: Demo Day**

### **Description of Demo Day**

Demo Day is a showcase event where students, typically from undergraduate or postgraduate programs, present their technical projects to faculty, peers, and industry professionals. These projects often demonstrate the application of theoretical knowledge to solve real-world problems, utilizing principles of electronics, electrical systems, signal processing, embedded systems, communication, and computing technologies.

### **Objectives of Demo Day**

The objectives of a Demo Day are to showcase student innovation, applying theoretical knowledge to real-world problems. It enhances learning by reinforcing concepts and fostering teamwork. The event bridges academia and industry, offering students exposure to professional feedback and potential career opportunities. It promotes research, encouraging the exploration of emerging technologies. Additionally, it builds presentation and communication skills, facilitates peer learning, and recognizes outstanding work through awards. The exhibition also engages the broader community, raising awareness of ECE's impact and inspiring future engineers.

### **Benefits in terms of learning/skills/knowledge obtained**

Participating in a Demo Day offers numerous learning benefits. It enhances practical skills by allowing students to apply theoretical knowledge to real-world challenges, solidifying their understanding of complex concepts. The hands-on experience in designing, developing, and troubleshooting projects sharpens technical skills in areas like circuit design, embedded systems, and communication technologies.

Students also develop critical soft skills such as teamwork, problem-solving, and project management through collaborative efforts. The exhibition fosters innovation and creativity, encouraging students to explore new technologies and design innovative solutions. Presenting their projects to an audience builds confidence and hones communication skills, essential for professional growth.

Moreover, interacting with faculty, peers, and industry experts provides valuable feedback, deepening their knowledge and aligning their skills with industry standards. Overall, the exhibition serves as a comprehensive learning platform, preparing students for both academic and professional success in different field.

### **Poster of the Event**



SRI KRISHNADEVARAYA EDUCATIONAL TRUST  
**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**  
(AFFILIATED TO VTU - BELAGAVI, RECOGNIZED BY AICTE AND ACCREDITED BY NAAC)  
Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157



Department of Electronics and Communication Engineering  
in association with Institution's Innovation Council

ORGANIZES

## “DEMO DAY”



NB 307



03/05/2024



10 : 00 AM onwards

### IIC Chair

**Prof. Rakesh S. G.**

Principal  
Sir MVIT

### Mentor

**Dr. Supriya V. G.**

Professor & Head  
Department of ECE

### President - IIC

**Dr. Vanipriya Ch.**

Professor & Head  
Department of MCA

### Vice President - IIC

**Dr. Sasmita Mohapatra**

Professor  
Department of ECE

### Convener - IIC

**Dr. Soumya Patil**

Associate Professor & Head  
Department of AI & ML

### Coordinators

**Ms. Praveena N.**

Assistant Professor

**Ms. Krishnapriya S. Sharma**

Associate Professor

**Dr. Poongothai C.**

Associate Professor

## **Brief about the Resource person**

Dr. Mrinal Sarvagya, Professor, School of Electronics and Communication Engineering, Reva University, She has received PhD degree in Wireless Communication from IIT Kharagpur. She received the best thesis award from IIT Kharagpur in the year 2009 for her thesis titled “QoS based packet scheduling and resource allocation schemes for WCDMA UMTS”. She is the member of Professional bodies WIE, IEEE. She has 23 years of teaching experience. Currently Principal Investigator for the sponsored Project from Naval research Board, Ministry of defense India (2015). Principle Investigator for the Project titled" Attitude determination of Ship in floating dry dock” sponsored By ISRO India 2019. She has completed more 1.25 crore worth sponsored projects from various Govt. organizations.

Mr.Shashidhara N , Consultant Worldskill consultant is expertise in Indian Training and Vocational Education System and DGET Training processes. Also in Planning of establishing of World Skill Centre and Vocational Training Centers and quality systems. His other area of interest are Industry engagement and understanding industry skill demands, Training need analysis, Professional development of staff and building workforce capabilities, Project design, Strategic planning , Operational planning and reporting, Liaising at the highest levels: government, industry and other stakeholders, Developing of Training programs to upskill and reskill for Industries for their Engineers and Technicians, Evolving Training Methodology with Competency Based Model, Organising World Skills Competitions and etc.

Mr.Sachin Kumar is an experienced technical manager with a background in telecommunications engineering and a Master's degree in Embedded Systems from Manipal University, where he graduated as a gold medallist. With 10 years of experience in the field of embedded systems, Sachin has worked on a variety of projects, including smart homes, mobile platforms, and next-generation wearable platforms. Throughout his career, he has demonstrated an exceptional ability to lead teams and spearhead innovative projects, which has resulted in multiple patents filed and granted. Currently, Sachin is working at Qualcomm, where he continues to contribute to the field of embedded systems.

Dr.Anil kumar D, Associate Professor, ECE Department, BMS institute of technology and management, Bengaluru. He has teaching experience 19 years at BMSIT, and received Ph.D degree from VTU in 2019. His subject expertise are embedded system, autonomous vehicles, machine learning, microcontrollers, etc. He has Published 18 international peer reviewed journals, book chapters, conference papers, organised FDP's etc.

### Winner's List

Venue: 1

| Prize     | Title of the Project                              | USN        | Name of the student    | Name of the Guide        |
|-----------|---------------------------------------------------|------------|------------------------|--------------------------|
| 1st Prize | Drone Detection and surveillance                  | 1MV19EC050 | K S Bhavishya          | Mrs.Krishna Priya Sharma |
|           |                                                   | 1MV19EC048 | IS Krishnachaithanya   |                          |
|           |                                                   | 1MV19EC041 | G Sai Vamsi            |                          |
|           |                                                   | 1MV19EC059 | K Yashwanth Reddy      |                          |
| 2nd Prize | Smart Energy Meter Using Narrow Band IoT          | 1MV19EC102 | Shaik Areef            | Mrs.Poongothai C         |
|           |                                                   | 1MV19EC105 | Shraddha V Goudar      |                          |
|           |                                                   | 1MV19EC120 | Varshini NS            |                          |
|           |                                                   | 1MV19EC127 | Dwarakesh Yerramchetty |                          |
| 3rd Prize | PCB defect verification using deep neural network | 1MV19EC017 | Arpit Kabra            | Dr.Sasmitha Mohapatra    |
|           |                                                   | 1MV19EC027 | D H Gowda              |                          |
|           |                                                   | 1MV19EC094 | Ritik Kumar Singh      |                          |
|           |                                                   | 1MV19EC116 | Supriyo Sadhukha       |                          |

Venue: 2

| Prize     | Title of the Project                    | USN        | Name of the student | Name of the Guide        |
|-----------|-----------------------------------------|------------|---------------------|--------------------------|
| 1st Prize | Advanced automobilist reinforced system | 1MV19EC053 | K Kowshika Reddy    | Dr.Supriya V G           |
|           |                                         | 1MV19EC058 | K M Udhith Raju     |                          |
|           |                                         | 1MV19EC076 | P Sreekanth Reddy   |                          |
|           |                                         | 1MV19EC088 | Ravi Varma K        |                          |
| 2nd Prize | Smart Voting System                     | 1MV19EC025 | Bindhushree S       | Mrs Krishna Priya Sharma |
|           |                                         | 1MV19EC079 | Poshitha K J        |                          |
|           |                                         | 1MV19EC097 | S K Puneeth         |                          |
|           |                                         | 1MV19EC109 | Spoorthi P K        |                          |
| 3rd Prize | Waste Management and energy conversion  | 1MV19EC073 | Nikitha S Reddy     | Dr.Supriya V G           |
|           |                                         | 1MV19EC084 | Punya P             |                          |
|           |                                         | 1MV19EC085 | Puspanjali A V      |                          |
|           |                                         | 1MV19EC121 | Vidya S             |                          |

### Summary of the Event

The department of Electronics and Communication Engineering had organized a Demo Day under IIC 6.0 Q4, on 3<sup>rd</sup> May, 2024. The Demo Day in the Electronics and Communication Engineering (ECE) department is a vibrant event where students showcase their technical projects to faculty, peers, and industry professionals. The exhibition highlights the practical application of theoretical knowledge through diverse projects, ranging from embedded systems to communication technologies. Students present their work through demonstrations, posters, and prototypes, explaining the problem-solving

process and the innovations they've developed. The event fosters collaboration, learning, and innovation, offering students valuable feedback and exposure to real-world engineering challenges. Awards and recognition are given for outstanding projects, and the exhibition serves as a bridge between academia and industry, providing networking opportunities and potential career pathways. This event was coordinated by Dr.Poongothai C., Ms.Krishnapriya S Sharma and Ms.Praveena N

### **Related Photographs of the Event**





