AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF BIOMEDICAL ENGINEERING
&
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Program Report

INNERVE'25 – TECHNICAL SYMPOSIUM

29th October 2025

Introduction

The Department of Biomedical Engineering, AVIT, successfully organized **INNERVE'25 – Technical Symposium** on **29th October 2025**. The event aimed to provide a platform for students to showcase their technical talent, creativity, and problem-solving skills while promoting interdisciplinary learning and collaboration.

The symposium featured a blend of **technical** and **non-technical events**, attracting enthusiastic participation from students across various departments and institutions.

The entire Technical Symposium was well coordinated by **Mr.V.Prabhakaran, Assistant Professor (G-II)/BME** and **Dr.R.Karthikeyan, Assistant Professor (G-II)/ECE**

Objectives of the Symposium

➢ To encourage students to engage in **technical research, innovation, and presentation skills**.

➢ To provide a platform for **idea exchange** and **knowledge sharing** among budding engineers.

➢ To enhance **teamwork, communication, and leadership skills** through interactive events.

➢ To create an environment that fosters **creativity, critical thinking, and technical competency**.

Event Inauguration

The inauguration ceremony commenced at 9:00 AM with **Tamil ThaaiVaazhthu**, followed by a prayer.The gathering was welcomed by **Dr.L.K.Hema, Professor & Head, ECE & BME**, who outlined the goals and importance of the symposium.**Mr.V.Prabhakaran**, Assistant Professor (G-II), Dept of BME has delivered the symposium address, motivating the participants to think innovatively and make the best use of the opportunities offered.

TECHNICAL EVENTS

1. Paper Presentation

The **Paper Presentation** event served as a formal platform for students to showcase their research ideas, innovative concepts, and technical findings. Participants were invited to submit abstracts in advance, covering domains such as:

- Artificial Intelligence & Machine Learning
- Biomedical Instrumentation
- IoT & Embedded Systems
- Signal & Image Processing
- Healthcare Innovations
- Robotics & Automation
- Communication Systems
- Advanced Materials & Sensors

Event Flow:

- The event began with an orientation by the faculty coordinator, outlining rules, presentation standards, and evaluation criteria.
- Participants were allotted **8 minutes** for presentation followed by **2 minutes** for Q&A.
- Judges evaluated each paper based on:
  - Originality and Innovation
  - Technical Depth
  - Relevance to Current Trends
  - Clarity of Presentation
  - Quality of Answers During Q&A
- Participants used PowerPoint slides, models, and supporting materials to strengthen their presentations.

Outcome:

The session witnessed vibrant discussions, critical peer review, and constructive feedback by the panel of judges. Several research ideas demonstrated potential for future projects, publications, and prototype development.

2. Poster Presentation

The **Poster Presentation** event encouraged students to communicate complex ideas through visually appealing and technically accurate posters. The focus was on clear communication, scientific representation, and creative visualization.

Event Flow:

- Posters were displayed in a dedicated exhibition hall.

- Participants briefly explained their posters to the judges and visiting participants.

- Each participant was given **5 minutes** for explanation and **3 minutes** for interactive queries.

- Posters covered themes including:

    - Biomedical Devices & Sensors

    - Advances in Medical Imaging

    - Physiological Systems Modeling

    - Disease Diagnosis & Monitoring

    - Smart Healthcare Technologies

Evaluation Criteria:

- Visual Clarity & Layout

- Technical Content Accuracy

- Scientific Creativity & Innovation

- Explanation Skills

- Relevance to Symposium Theme

Outcome:

The event saw excellent student engagement, with judges praising several posters for their professional layout and technical clarity. Many participants expressed interest in converting their poster concepts into mini-projects.

1. BrainStorm'25 – Tech Quiz

BrainStorm'25 was a fast-paced and intellectually stimulating quiz competition designed to test participants' knowledge in core engineering subjects, general science, emerging technologies, and logical reasoning.

Event Structure:

The quiz was conducted in **three rounds:**

Round 1 – Preliminary MCQ Round

- Individual written test with 25 questions.

- Top-scoring teams advanced to Round 2.

Round 2 – Technical Rapid-Fire

- Teams answered rapid technical questions related to:

  - Circuits & Systems

  - Digital Electronics

  - Current Affairs in Technology

  - Biomedical Applications

  - General Science Trivia

Round 3 – Buzzer Round

- High-energy final round with real-time buzzers.

- Included audio, visual, and problem-solving questions.

Outcome:

The quiz created an atmosphere of excitement and healthy competition. The top teams displayed excellent teamwork, quick thinking, and technical confidence.

2. Connections (Fun Arena)

The **Connections** event provided a refreshing and entertaining break from technical sessions. It challenged participants to interpret images, symbols, emojis, and clues to decode words or phrases.

Event Flow:

- Multiple levels of puzzles were displayed on screen.

- Participants competed both individually and in teams.

- Some rounds included:

  - Emoji Interpretation

- ➢ Word-Image Association
- ➢ Pictorial Reasoning Puzzles
- Time-based scoring created a competitive environment.

Outcome:

The event saw enthusiastic participation with lively interactions and laughter. It helped in improving cognitive thinking, interpretation skills, and quick decision-making.

3. Treasure Hunt

The **Treasure Hunt** was one of the most anticipated and energetic events of INNERVE'25. Designed to promote teamwork, strategy, physical activity, and problem-solving, the event spanned multiple locations across the campus.

Event Flow:

- Teams of 3–4 members participated.
- Each team received their first clue, leading to subsequent checkpoints.
- Clues included:
  - ➢ Riddles
  - ➢ Technical hints
  - ➢ Location-based puzzles
  - ➢ Hidden QR codes
- Volunteers were stationed at each checkpoint to verify team progress.
- The team that solved all clues and reached the final point first was declared the winner.

Safety & Monitoring:

- Event was monitored by faculty coordinators.
- Volunteers ensured smooth movement and rule compliance.
- All participants adhered to campus safety guidelines.

Outcome:

The Treasure Hunt was a high-energy event filled with excitement, teamwork, strategy, and friendly competition. Participants appreciated the creative clue design and overall execution.

5. Participation Details

- Total number of student participants: **50+**
- Number of institutions/departments represented: **05**
- Total teams formed across all events: **15**

(You can fill in the actual numbers.)

Participation from both internal and external students was excellent, reflecting strong interest and enthusiasm.

Prize Distribution

Winners of all five events were honored during the **Valedictory Ceremony** held at 3:00 PM.
First and Second Prize mementos were awarded for each event, along with certificates of appreciation.

The winners expressed their gratitude and shared positive feedback about the event, highlighting its professionalism and engaging format.

7. Feedback and Outcome

The symposium received highly positive feedback from participants and faculty members.

Key outcomes included:

- Enhanced student involvement in **technical research and presentation**.
- Improved collaboration between students of different departments.
- Increased interest in **innovation, design, and technical competitions**.
- Strengthened organizational and leadership skills among student volunteers.

Conclusion

INNERVE'25 concluded successfully with active participation, smooth coordination, and enthusiastic responses from all attendees.The Department of Biomedical Engineering & Department of Electronics and communication engineering expressed their gratitude to the **Management**, **Principal**, **Vice-Principals**, **HoD**, **faculty members**, **student volunteers**, and all participants for contributing to the success of this symposium.

The event not only achieved its intended objectives but also set a strong foundation for future symposiums and academic activities.

M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India 🇮🇳

Latitude
12.6568128°

Longitude
80.1793964°

Local 10:16:20 AM
GMT 04:46:20 AM

Altitude 6 meters
Wednesday, 29.10.2025

Note : INNERVE-25 (Technical Symposium)

M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India 🇮🇳

Latitude
12.65674479°

Longitude
80.1792429°

Local 10:16:35 AM
GMT 04:46:35 AM

Altitude 6 meters
Wednesday, 29.10.2025

Note : INNERVE-25 (Technical Symposium)

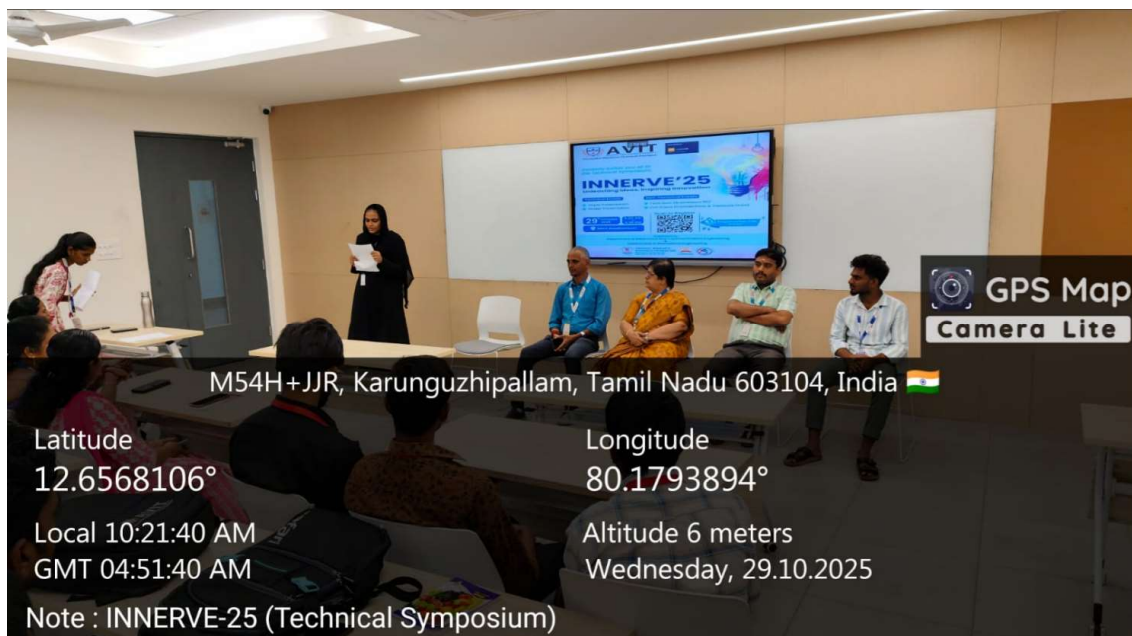**Welcome Address by Dr.L.K.Hema, Professor & Head, ECE & BME**

Symposium Address by Mr.V.Prabhakaran, Assistant Professor (G-II), BME

M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India 🇮🇳

Latitude
12.6568231°

Longitude
80.1794102°

Local 10:25:37 AM
GMT 04:55:37 AM

Altitude 6 meters
Wednesday, 29.10.2025

Note : INNERVE-25 (Technical Symposium)

M54H+JJR, Karunguzhipallam, Tamil Nadu 603104, India 🇮🇳

Latitude
12.6568231°

Longitude
80.1794102°

Local 10:25:42 AM
GMT 04:55:42 AM

Altitude 6 meters
Wednesday, 29.10.2025

Note : INNERVE-25 (Technical Symposium)

Prize Distribution

Group Photo