Minutes of the Conference

1st National Conference on Smart Systems and Emerging Trends in Electronics & Electrical Engineering (NCSEEE 2025)

Date and Venue

Date: 21st August 2025
Venue: GM University, P. B. Road, Davangere – 577006
Organized by:

- Department of Electronics & Communication Engineering (ECE)
- Department of Electrical & Electronics Engineering (EEE)
  Affiliation: School of Engineering, Faculty of Engineering and Technology, GM School of Advanced Studies (GMSAS)

Conference Identification

ISBN: 978-81-991111-0-3

Purpose and Theme

The conference was organized as a national-level forum to bring together researchers, academicians, industry experts, and students to present and discuss the latest developments, innovations, and emerging trends in the fields of smart systems, electronics, and electrical engineering.

The focus areas included:

- Smart systems and automation
- Embedded intelligence and IoT applications
- Power electronics and sustainable electrical infrastructures
- Advanced communication and AI-driven engineering solutions

The event aimed to foster collaboration among academic researchers, industry practitioners, and young scholars to bridge the gap between theoretical research and real-world applications.

Inaugural Session

The conference commenced with a warm welcome address to all delegates, researchers, and industry professionals. Distinguished dignitaries and office bearers shared their insights on the importance of smart systems and emerging trends that are shaping modern technologies and engineering disciplines.

Inaugural Addresses were delivered by:

- **Dr. S. R. Shankapal**, Vice Chancellor, GM University – Highlighted the relevance of multi-disciplinary research for future technologies.
- **Dr. H. D. Maheshappa**, Pro-Vice Chancellor, GM University – Emphasized the need for industry-academia collaborations in advancing engineering research.
- **Dr. Praveen J**, Convenor, NCSEEE 2025 – Shared the conference objectives and outlined its significance for students and professionals alike.

Other Chief Patrons and Organizing Members Present:

- **Dr. C S Ramesh**, Advisor – Research
- **Dr. Sunil Kumar B S**, Registrar
- **Dr. Bharath K N**, Dean – Research
- **Dr. Swaroop K**, Associate Dean – Research
- Members of the Steering Committee and Editorial Board

Keynote and Special Sessions

The conference featured keynote addresses, expert sessions, and technical presentations by eminent experts and academicians from within the region and the university.

Keynote Speakers and Session Chairs Included:

- **Smt. Mamatha G R** — Deputy General Manager (IT), Smart City, Davangere
- **Dr. Manjunatha P** — Principal, BLDEA's VP Dr. P.G. Halakatti College of Engineering & Technology, Vijayapura
- **Dr. Leela G H** — Professor, ECE, BIET, Davangere
- **Dr. Anjaneya L H** — Professor, EEE, BIET, Davangere

Each session was moderated by faculty members from the ECE and EEE departments who ensured smooth conduct of presentations and discussions.

Technical Sessions

The conference included a series of **technical paper presentations** covering a broad range of topics in smart systems, electrical and electronic engineering.

The **Table of Contents** from the conference proceedings shows 46 research paper titles covering diverse areas such as:

- Smart agricultural automation with renewable energy integration
- AI-enabled robotics and assistive systems
- IoT-based monitoring and control applications
- Design and analysis of antennas and communication systems
- Embedded system applications and medical engineering solutions

- Renewable energy, electric vehicles, and sustainable technologies

Participants presented their research findings followed by interactive discussions and Q&A sessions, fostering knowledge exchange among peers.

Department Highlights

Department of Electronics & Communication Engineering (ECE)

- Offers programs aligned with NEP 2020 and industry requirements.
- Focus areas include quantum communication, AI-driven automation, and signal processing.
- Active in real-time projects, internships, and interdisciplinary research.

Department of Electrical & Electronics Engineering (EEE)

- Integrates core electrical engineering subjects with embedded systems and programming.
- Emphasizes practical skills, industry engagement, and research initiatives.
- Regularly hosts expert lectures, workshops, and technical activities.

Observations and Outcomes

- The conference successfully provided a **national platform for research dissemination** and interdisciplinary learning.
- Strong engagement was observed among faculty, research scholars, and students.
- The diversity of topics highlighted the expanding research scope in emerging technologies and sustainable systems.
- Sessions facilitated **industry-oriented discussions** and knowledge sharing on current and future challenges.
- Many researchers expressed interest in future collaborative research and publication support.

Acknowledgements

The organizing committee extended sincere thanks and appreciation to:

- All the keynote speakers, session chairs, and panel experts
- Authors and presenters for their scholarly contributions
- Faculty members and staff of ECE and EEE departments
- Student volunteers and technical support teams
- Participants and delegates whose engagement enriched the conference experience

Closure

The Conference concluded with a vote of thanks extended by the organizing committee, acknowledging the support of all stakeholders, participants, and contributors. The event was deemed a valuable success in promoting academic excellence and research innovation in smart systems and electrical engineering.systems and electrical engineering.