

Two-Day International Conference on Recent Advancements in Electrical, Computer and Communication Technologies (IECCT 2026)

The International Conference on Recent Advancements in Electrical, Computer and Communication Technologies (IECCT 2026) was successfully organised by the School of Electrical Sciences, MVJ College of Engineering, Bengaluru, on 10th and 11th April 2026.

The conference served as a global platform for academicians, researchers, industry professionals, and students to present their research contributions, exchange innovative ideas, and discuss recent trends and challenges in the domains of Electrical, Computer, Electronics, Communication, VLSI, IIoT, Artificial Intelligence, and allied technologies.

IECCT 2026 witnessed an overwhelming response from researchers across India and several other countries, highlighting its international reach, academic credibility, and relevance to contemporary technological advancements.

Objectives of the Event

The International Conference on Recent Advancements in Electrical, Computer and Communication Technologies (IECCT-2026), organised by the School of Electrical Sciences, MVJ College of Engineering, aims to:

- Provide a global platform for researchers, academicians, and industry professionals to share innovations in Electrical, Computer, and Communication Technologies.
- Facilitate knowledge exchange through keynote addresses, technical sessions, and interactive discussions.
- Strengthen collaboration between academia and industry by showcasing cutting-edge applications and future trends.



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Event Overview

Day 1

The International Conference on Recent Advancement in Electrical, Computer and Communication Technologies (IECCT-2026), organised by the School of Electrical Sciences at MVJ College of Engineering in association with IEEE Bangalore Section, a premier two-day event, took place on April 10–11, 2026, at the Smt. Rajalakshmi Jayaraman Seminar Hall, Bengaluru. The conference is designed to serve as a dynamic platform for academicians, researchers, and industry leaders to exchange ideas, present innovations, and explore emerging trends in electrical sciences, computer engineering, and communication technologies. Distinguished keynote speakers, including Mr. Sundaresan Poovalingam from Infosys, Dr. Mei Lin Fung from the UN AI for Good Steering Committee, Shri. Anindya Saha from Tejas Networks, and Dr. J. Emerson Raja from Multimedia University, Malaysia, addressed topics ranging from secure communication frameworks and direct-to-mobile technology to responsible AI applications in industry. The program featured an inaugural ceremony, parallel technical sessions across multiple seminar halls, networking breaks, and a valedictory function, ensuring a comprehensive blend of scholarly discourse and industry insights. By combining academic rigor with practical relevance, IECCT-2026 highlighted MVJCE's commitment to advancing technology and fostering collaboration between academia and industry, while strengthening its global visibility through the partnership with IEEE Bangalore Section.

Conference Statistics

- Total Research Paper Submissions: 2360
- Papers Accepted after Rigorous Peer Review: 160
- Registered and Presented Papers: 110

The stringent peer review process ensured high academic quality, originality, and relevance of the accepted papers.

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Inaugural Session – Day 1 (10th April 2026)

The inaugural session commenced at 9:45 AM on 10th April 2026. The conference was formally inaugurated by Dr. Ajayan K. R., Principal, MVJ College of Engineering, who presided over the inaugural ceremony and emphasised the importance of interdisciplinary research and global collaboration in addressing emerging technological challenges.



Figure 1: Lamp lighting ceremony marking the auspicious beginning of IECCT 2026, led by Principal Dr. Ajayan K. R along with keynote speakers Mr. Sundaresan Poovalingam and Dr. Mei Lin Fung.

Welcome Address

The Welcome Address was delivered by the Conference Chair and session chair, Dr. Shima Ramesh Maniyath, Head of the Department, Electronics and Communication Engineering, MVJCE. The address highlighted the objectives of IECCT 2026, the significance of recent advancements in engineering technologies, and the importance of industry-academia interaction.

Keynote Sessions - Day 1

- Keynote Speaker 1: Mr. Sundaresan Poovalingam, Distinguished Technologist, Infosys
- Profile Introduction: Prof. Sheher Banu, HOD, EC (ACT)
- Title: "4C Framework for Turning Ideas into Reality"

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Figure 2: Dr. Shima Ramesh Maniyath, Conference Chair, delivering the Welcome Address at IECCT 2026.



(a) Bouquet Presentation



(b) Bouquet Presentation

Figure 3: Principal Dr. Ajayan K. R presenting bouquets to keynote speakers Mr. Sundaresan Poovalingam and Dr. Mei Lin Fung during the inaugural ceremony of IECCT 2026

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Figure 4: Principal Dr. Ajayan K. R addressing the gathering on IECCT 2026 of Day 1.



Figure 5: IECCT 2026 Proceedings: Inauguration by Keynote Speakers on Day 1.

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(a) Memento Presentation



(b) Memento Presentation

Figure 6: Dr. Shima Ramesh Maniyath, Conference Chair, and Dr. Remeshan Kariyadan, Professor of VLSI, presenting mementos to the keynote speakers as a token of appreciation at IECCT 2026

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- Time: 10:00 AM
- The keynote focused on the 4C Framework—Clarity, Creativity, Collaboration, and Commitment, providing valuable insights into transforming innovative ideas into scalable, real-world solutions, with examples drawn from industry practices.
- Keynote Speaker 2
- Speaker: Dr. Mei Lin Fung, Vice Chair, UN AI for Good Impact Steering Committee, USA
- Profile Introduction: Dr. Thilagaraj, HOD, IIOT
- Title: “Public Key, Private Key, Public Trust: 50 Years of Math Behind”
- Time: 11:30 AM
- This session explored the mathematical foundation of cryptography, public trust in digital systems, and the evolving challenges in cybersecurity, encryption, and trust frameworks in the digital era.

Technical Sessions – Day 1

From 11:30 AM onwards, three parallel technical sessions were conducted at Seminar Hall 1 (Room No. 25), Seminar Hall 2 (Room No. 33), and Seminar Hall 3 (Room No. 34).

Session Chairs - Day 1

- **External Session Chairs:**
 1. Dr. Anandi Giridharan, Professor, IISc
 2. Dr. Amrita Misra, IIIT Bangalore
- **Internal Session Chairs:**
 1. Dr. Rabeya Basori, Assistant Professor, VLSI Department
 2. Dr. Manu, Assistant Professor, ECE Department

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3. Dr. Shenbagalakshmi, Assistant Professor, ECE Department

The sessions featured high-quality paper presentations covering diverse re- search areas, followed by constructive questions and discussions.



Figure 7: Day 2: Inauguration of IECCT 2026 by Shri. Anindya Saha, Vice President, Tejas Network; Dr. J. Emerson Raja, Professor, Multimedia University, Malaysia; and Dr. Ratna (Retd.), Principal Scientist, IISc.



Figure 8: Lamp lighting ceremony on Day 2 of IECCT 2026, led by keynote speakers Shri. Anindya Saha, Vice President, Tejas Network; Dr. J. Emerson Raja, Professor, Multimedia University, Malaysia; and Dr. Ratna (Retd.), Principal Scientist, IISc.

Day 2

Keynote Sessions – Day 2 (11th April 2026)

- Keynote Speaker 3

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Figure 9: Day 2 Inaugural Speech by Dr. Ratna, Principal Scientist (Retd.), IISc

- Speaker: Shri. Anindya Saha, Vice President, Tejas Networks
- Title: "Direct to Mobile Technology"
- Time: 10:00 AM – 10:45 AM
- The session focused on next-generation communication technologies, spectrum efficiency, network deployment strategies, and the future of direct-to-mobile broadcasting.



(a) Keynote Speech



(b) Memento Presentation

Figure 10: Keynote speech by Shri. Anindya Saha, Vice President, Tejas Network, followed by memento presentation to him by Dr. Ratna (Retd.), Principal Scientist, IISc, during Day 2 of IECCT 2026.

- Keynote Speaker 4

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- Speaker: Dr. J. Emerson Raja Professor, Multimedia University, Malaysia
- Title: "The Role of Responsible AI in Industry"
- Time: 10:45 AM – 11:30 AM
- This keynote emphasised ethical AI, responsible deployment of AI systems, and their impact across industrial applications, governance, and society.



(a) Keynote Session



(b) Memento Presentation

Figure 11: Keynote speech by Dr. J. Emerson Raja, Professor, Multimedia University, Malaysia, followed by memento presentation to him by Dr. Ratna (Retd.), Principal Scientist, IISc, during Day 2 of IECCT 2026.

Technical Sessions – Day 2

Following the keynote sessions, parallel technical sessions were again conducted in respective seminar halls: Seminar Hall 1 (Room No. 25), Seminar Hall 2 (Room No. 33), and Seminar Hall 3 (Room No. 34).

Session Chairs – Day 2

• External Session Chairs

1. Dr. Sushree Sangeetha, IIIT Bangalore
2. Dr. Ratna G. N.
3. Dr. Atanu Talukdar, Senior Engineer, ABB

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- **Internal Session Chairs**

1. Dr. Sathish Kumar M., Assistant Professor, EEE Department
2. Dr. Subhradip Mukherjee, Assistant Professor, IIOT Department
3. Dr. Chippy M. Manu, Assistant Professor, ECE Department

Each session was conducted with active participation, ensuring knowledge exchange and technical depth.

Certificates, Lunch and Hospitality

- Certificates were distributed to all authors after their respective paper presentations.
- Lunch was provided to all authors and faculty members at the dining facilities behind Smt. Rajalakshmi Jayaraman Seminar Hall.
- Tea breaks and hospitality arrangements were well organised throughout both days

Impact: The International Conference on Recent Advancements in Electrical, Computer and Communication Technologies (IECCT 2026), held on 10th and 11th April 2026 at MVJ College of Engineering, Bengaluru, successfully achieved its academic and professional objectives by serving as a dynamic platform for knowledge exchange, collaboration, and innovation.

Key Outcomes:

- **Knowledge Dissemination and Academic Enrichment:** The conference facilitated in-depth discussions on emerging trends, recent research findings, and technological advancements in Electrical, Computer, and Communication Technologies. Participants gained valuable insights into cutting-edge domains, including artificial intelligence, machine learning, VLSI, embedded systems, power electronics, renewable energy systems, IoT, and advanced communication technologies.

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- **Research Exposure and Publication Opportunities:** IECCT 2026 provided researchers, faculty members, and postgraduate students with opportunities to present their work before a diverse and international audience. Constructive feedback from session chairs and reviewers enhanced the quality of research, encouraged interdisciplinary approaches, and improved future research directions.
- **Industry–Academia Interaction:** The conference strengthened collaboration between academia, industry professionals, and research organisations. Expert talks and technical sessions bridged the gap between theoretical research and real-world applications, helping participants align academic research with industry needs.
- **Skill and Competency Development:** Participants developed critical thinking, presentation, and technical communication skills. In particular, students benefited from exposure to advanced research methodologies, emerging technologies, and practical problem-solving approaches.
- **Networking and Collaboration:** IECCT 2026 promoted professional networking among researchers, academicians, industry experts, and students, paving the way for collaborative research, joint publications, funded projects, and long-term academic partnerships.

Impact of the Conference

- **Advancement of Research Culture:** The conference fostered a strong research culture within the institution and among participating organisations by motivating faculty and students to publish quality research in reputable platforms.
- **Enhanced Institutional Reputation:** Hosting an international conference enhanced MVJ College of Engineering's academic visibility and reputation as a center for research, innovation, and technical excellence.
- **Student Empowerment and Career Readiness:** The exposure to international research trends and industry perspectives improved students' awareness of career pathways, higher studies, and entrepreneurship opportunities.

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- **Contribution to Technological and Societal Development:** The discussions and outcomes of IECCT 2026 contributed toward sustainable and intelligent technological solutions aligned with societal needs, national priorities, and global engineering challenges.
- **Foundation for Future Events:** The success of IECCT 2026 established a solid foundation for future editions of the conference, encouraging continuous engagement in research-driven academic events and global collaborations.

Conclusions

IECCT 2026 concluded successfully with valuable technical deliberations, global participation, high-quality research presentations, and enriching keynote sessions. The conference significantly contributed to strengthening research culture, industry-academia collaboration, and international networking at MVJ College of Engineering. The enthusiastic participation of researchers, the guidance of distinguished keynote speakers, and the dedicated efforts of session chairs and organising committee members ensured the grand success of IECCT 2026, establishing it as a premier international academic event.

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