

# The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

## KARNATAKA STATE CENTRE

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Dear Members,

Greetings from  
The Institution of Engineers (India),  
Karnataka State Centre!

We are delighted to present this month's Newsletter, reflecting a vibrant range of activities thoughtfully organized for the benefit and professional enrichment of our members. Over the past few weeks, the Centre has successfully conducted technical lectures, International Conferences, Workshops, Technical Symposium and Interactive Sessions covering diverse and relevant topics in engineering and allied fields. These initiatives have provided valuable platforms for knowledge sharing, skill enhancement and meaningful networking among professionals, academicians, and students alike. We sincerely appreciate the enthusiastic participation of our members, as well as the dedicated efforts of speakers, co-organisers, and volunteers who contributed to the success of these programmes.

As we move forward, we remain committed to organising more such impactful events that address emerging trends and challenges in the profession. We warmly encourage all our members to take an active role in the forthcoming activities be it by attending, contributing, or collaborating. Your continued involvement and support are essential in fostering a dynamic and progressive professional community. Let us come together to learn, share, and grow, strengthening both our institution and the engineering fraternity at large by extending support in membership campaign which is ongoing at the Institution of Engineers (India) with meagre life time membership Fee.



**Dr. K R Nataraj, FIE**  
Hon.Secretary



**Dr. H K Ramaraju, FIE**  
Chairman

## World Water Day 2026 23-24 March 2026

World Water Day is observed globally on 22<sup>nd</sup> March each year to emphasize the importance of sustainable water management and equitable access to water resources. In alignment with World Water Day 2026 and its global theme, “Water and Gender,” a National Technical Symposium titled “Where Water Flows, Equality Grows” was jointly organized by The Institution of Engineers (India), Karnataka State Centre, Department of Civil Engineering-Dayananda Sagar College of Engineering, and Don Bosco Institute of Technology, Bengaluru on 23-24 March 2026.

The symposium was held with the objective of creating awareness on water sustainability, promoting gender-inclusive water governance, and providing a dynamic platform for interaction among academicians, researchers, industry experts, policymakers, and students.

The inaugural session was graced by esteemed dignitaries from Government, Academia, and Professional Organisations.

**Dr. H K Ramaraju**, Chairman delivered the Welcome Address.



**Lighting of Lamp by the dignitaries**

**Sri N S Boseraju**, Hon’ble Minister for Minor Irrigation and Science & Technology, Govt. of Karnataka, graced the occasion as Chief Guest and formally inaugurated the symposium.

In his address, he underscored the importance of adopting sustainable irrigation practices that enhance water-use efficiency while minimizing wastage and environmental impact. The Hon’ble Minister emphasized the vital role of scientific innovation in developing advanced technologies, data-driven solutions and resilient infrastructure to address the growing challenges of water scarcity and climate variability.

He also highlighted the need for responsible and integrated water resource management, calling for coordinated efforts among government agencies, technical experts, and local communities to ensure equitable distribution, conservation, and long-term sustainability of water resources.

The Key-note Address was delivered by **Sri K Jayaprakash**, KES, Technical Advisor to the Hon’ble Deputy Chief Minister and Minister for Water Resources, who highlighted the need for integrated water management strategies, strong policy support, and technological interventions to address emerging water challenges.

## Dignitaries at the Inaugural Function



**Dr. Lakshminarayana Rao**, Professor, Indian Institute of Science, Bengaluru, delivered the Theme Talk, emphasizing the sustainable water management, scientific advancements and the collective responsibility required to ensure water security, in alignment with the World Water Day theme.

**Er. B. Srinivasa Reddy**, Chairman IWWA & IWEK, and **Dr. B. S. Nagabhushana**, Principal, DBIT, also shared their valuable insights, stressing on the importance of water conservation practices, sustainable resource

management, and the collective responsibility of safeguarding water resources for future generations.

The dignitaries also released a Souvenir brought out on the occasion.

At the end, **Dr. K R Nataraj**, Hon. Secretary, proposed vote of thanks.

The inaugural session set the tone for a series of thought-provoking and insightful presentations by the experts in the subsequent technical sessions, highlighting the importance of collaboration among engineering professionals, policymakers, and society to achieve equitable and sustainable access to water.

The Technical Sessions featured presentations by experts in the field, namely : **Dr. Lakshmi Narayana Rao**, Professor, IISc ; **Dr. Muralidhara Lakkanna**, Scientist, National Institute of Advanced Studies ; **Dr. G S Srinivasa Reddy**, Former Director, Karnataka State Natural Disaster Monitoring Centre ; **Dr. M N Thimmegowda**, Professor, Agricultural Meteorological Division, UAS ; **Er. V Anandkumar**, M/s Evolve Energy Group ; **Dr. Premanand B Dashavant**, Professor (Hydrology), UAS ; **Dr. M Inayathulla**, Professor, Dept. of Civil Engg, UVCE ; **Dr. M S Nagaraja Gupta**, Professor, East West Institute of Technology ; **Dr. K Asha**, Asso. Professor, BMS College of Engineering ; **Dr. G Pavithra**, **Dr. B S Surendra**, **Dr. M Dinamani**, Asso. Professors, Dayananda Sagar College of Engineering ; and **Dr. R Shruthi**, Associate Professor, BGSIT.



The Valedictory Session of the Symposium was held on 24<sup>th</sup> March 2026. **Er. R P Mallik**, Chairman, IPHE and **Sri Rajesh Amminabhavi**, Managing Director, KNNL graced the occasion as Guests and **Dr. H K Ramaraju**, Chairman, presided. **Er. M Nagaraj**, Council Member, IEI ; **Er. S Y Kundargi**, Past Chairman, IEI, Belagavi Local Centre ; **Er. Kakkeri Chandrashekhar**, Chairman, IEI, Kalaburagi Local Centre also were present.

The Symposium concluded successfully with active participation and deliberations, showcasing innovative and collaborative approaches for sustainable and equitable water resource management in Karnataka.

A Debate Competition was also held for Engineering College students.

The Symposium was supported by Water Resources Department, Institution of Public Health Engineers, India, Indian Water Works Association and Institution of Water Engineers, Karnataka.

The Symposium was co-sponsored by Cauvery Neeravari Nigama Ltd, Karnataka Neeravari Nigam Ltd, Dayananda Sagar College of Engineering, Don Bosco Institute of Technology and M/s Evolve Energy Group, Bengaluru.

More than 300 delegates from Academia, Govt. organisations, industries including students from Engineering Colleges/Institutes participated in the two-day Symposium.

**Dr. H N Sowmya**, Associate Professor, **Prof. Tahera** and **Dr. C Ravindranath**, Assistant Professors, Dayananda Sagar College of Engineering extended valuable co-operation as Symposium Co-ordinators.

The dignitaries gracing the Inaugural and Valedictory Sessions were felicitated on the occasion.



**Felicitations to Hon'ble Sri N S Boseraju**



**Felicitations to Sri K Jaiprakash, KES**



Felicitations to Dr. B S Nagabhushana



Felicitations to Er. B Sreenivasa Reddy



Felicitations to Er. R P Mallik



Felicitations to Sri Rajesh Amminbhavi



## International Women's Day 23<sup>rd</sup> March 2026

International Women's Day is celebrated every year on 8<sup>th</sup> March to recognize the achievements of women across social, economic, cultural, and political fields, while also promoting gender equality and women's rights worldwide.

This year's theme, "**Rights. Justice. Action. For All Women and Girls,**" reminds that progress is not just about recognition—it is about meaningful change. It calls upon to ensure equal rights, fair opportunities, and a safe and inclusive environment for every woman and girl.

The Institution of Engineers (India), Karnataka State Centre organised this year's International Women's Day on **Monday, 23<sup>rd</sup> March 2026 at 5.30 pm.**

The programme commenced with Welcome Address by **Dr. H K Ramaraju**, Chairman, and **Dr. Shobha B N**, Convener of the programme & Council Member, IEI spoke on the significance of International Women's Day.

**Er. B K Sumithra**, Former Director Technical, MESCOM, Mangaluru graced the occasion as Chief Guest and addressed the gathering.

The ceremonial lamp was lit, signifying the auspicious beginning of the celebration and the spreading of knowledge and empowerment. The occasion was graced by the presence of esteemed dignitaries including the Hon'ble Chief Guest Er. B K Sumithra, **Dr. H K Ramaraju**, **Dr. K R Nataraj**, Hon. Secretary ; **Dr. Shobha B N** ; **Er. M Nagaraj**, Imme. Past Chairman & Council Member, IEI and **Er. Jasmail Singh**, Past Chairman, IEI-KSC.



Speaking on the occasion, **Er. B. K. Sumithra** highlighted that although women constitute nearly half of India's population, significant challenges persist. Female literacy stands at around 70%, compared to over 84% for men. While school enrolment has improved, disparities widen at higher education levels. Workforce participation among women remains low at about one-third, with a gender pay gap of nearly 20%. Globally, women achieve only about 60% of their full potential due to systemic barriers.

Continuing, Er. B K Sumithra said, **rights** are vital to ensure dignity, safety, and equal access to education, healthcare, and opportunities, while **justice** ensures these rights are effectively implemented. However, true empowerment goes beyond rights and justice—it requires a transformation in societal mindsets and collective responsibility to create an inclusive and equitable environment. Encouragingly, progress is visible. Women are increasingly assuming leadership roles, participating in governance, and driving change at the grassroots level. Nearly 44% of local government representatives in India are women, reflecting the impact of inclusive policies and initiatives promoting education, safety, and entrepreneurship.

In conclusion, Er. B. K. Sumithra aptly stated, *“When women rise, families rise. When girls are educated, nations grow. And when equality becomes a reality, the world becomes a better place for all”*. She urged everyone to go beyond celebration and commit to upholding women’s rights, practising justice, and working collectively towards meaningful and lasting change.

Er. B K Sumithra was felicitated by Dr. H K Ramaraju; Dr. K R Nataraj, Dr. B N Shobha and Er. M Nagaraj.



It is a longstanding tradition of the Karnataka State Centre to honour outstanding women engineers on the occasion of International Women's Day. On this occasion, the following distinguished professionals were conferred with the '**Eminent Woman Engineer**' Awards by the dignitaries, in recognition of their significant contributions to engineering and education.

- \* Dr. B S Shylaja, Principal, ACS College of Engineering, Bengaluru
- \* Mrs K A Anitha Venkatesh, Chairperson & Managing Director, Adithya Institute of Management & Information Technology, Kodagu
- \* Dr. Kalpana H M, Prof. & Head, Dept. of Electronics & Instrumentation Engg. Siddaganga Institute of Technology, Tumakuru
- \* Dr. G S Sunitha, Professor & Head, Dept. of ECE & Dean-R&D, Bapuji Institute of Engineering & Technology, Davangere
- \* Dr. Prema K V, Joint Director, Manipal Institute of Technology, Bengaluru
- \* Dr. Usha Rani K R, Professor & Asso. Dean - PG Studies, Dept. of ECE, R V College of Engineering, Bengaluru
- \* Dr. Kalpana A B, Professor & Head, Dept. of ECE, Bangalore Institute of Technology, Bengaluru
- \* Dr. Yasha Jyothi M Shirur, Prof. & Head, Dept. of ECE, BNM Institute of Technology, Bengaluru
- \* Dr. Bindu A Thomas, Professor & Director, Dept. of ECE, Vidya Vikas Institute of Engineering & Technology, Mysuru
- \* Dr. Rekha S, Asso. Prof. Dept. of Information Science & Engg, Don Bosco Institute of Technology, Bengaluru



The event brought together over 250 participants and featured a meaningful blend of recognition, celebration, and reflection on women's achievements in engineering and beyond.

The event concluded with a heartfelt vote of thanks delivered by **Dr. K. R. Nataraj**, Honorary Secretary, who graciously acknowledged the contributions of the dignitaries, awardees, organizers and participants in making the celebration a memorable success.

**Dr. B. N. Shobha**, Convener; **Dr. Rekha K R**, Professor and Head, Department of ECE, SJBIT; **Dr. Suma V**, Vice Principal and Professor & Head, Department of Computer Science & Design, DSCE; **Er. M. Nagaraj** and **Prof. T. J. Ramamurthy**, Council Members of IEI, extended their valuable support in organizing the event as Members of the Sub-committee.”

### International Conference on ISDCP 2026

The Second International Conference on **“Innovations in Sustainable and Digital Construction Practices”** was jointly organised by The Institution of Engineers (India)-Karnataka State Centre and the Department of Civil Engineering-Dayananda Sagar College of Engineering in collaboration with Indian Concrete Institute and Bangalore Water Supply & Sewerage Board on **5-6 February 2026**.

The primary objective of the Conference was to bring together academicians, researchers, engineers, government officials, students, and industry professionals on a common platform to deliberate on the challenges faced in the construction industry and to explore effective solutions aimed at achieving sustainable development goals through advanced construction technologies.

The Conference was inaugurated by **Dr. S R Subramanya**, President & CEO, Exskillence, USA who also delivered the Key-note Address. In his address, he highlighted emerging global trends in green buildings and emphasised the growing importance of sustainability in modern practices. He elaborated how digital technologies and tools are transforming the construction industry by improving efficiency, precision and project management.



**Dr. H K Ramaraju**, Chairman and Vice Principal & Head of the Department of Civil Engineering, Dayananda Sagar College of Engineering delivered the welcome address and the Presidential Address was delivered by **Dr. B G Prasad**, Principal, Dayananda Sagar College of Engineering.

Experts from Overseas Institutions, namely, **Dr. Robert A West**, Fellow & Distinguished Diplomate, IHMM, USA; **Dr. Kendra Schroer**, Principal, KGS Environmental Consulting, USA ; **Dr. Ines R. Triay**, Director, Applied Research Centre, Florida International University, USA and **Dr. Rampur V**, US Delegation Team Lead, Las Vegas, USA shared their expertise on several thrust areas of the Conference.



There were ten Technical Sessions which topics covered on : Environmental Engineering & Sustainability ; Geotechnical and Structural Engineering ; Construction Management and Materials ; Water Resources and Hydraulics ; Transportation Engineering ; Structural Engineering ; Interdisciplinary and Emerging Technologies, Remote Sensing and GIS, etc.

Delegates presented a wide range of innovative ideas on green materials, the utilization of waste in construction, green concrete, Building Information Modelling (BIM), artificial intelligence, smart construction practices, geospatial technologies, and the development of climate-resilient cities.

Following a rigorous review process, 50 high-quality research papers have been selected for publication in Scopus-indexed Journal/Proceedings, reflecting the strong academic and practical contributions made during the Conference.

### Recommendations of the Conference

- \* The adoption of sustainable development goals and digital practices is essential for the future of the construction and urban development sector.
- \* Greater emphasis should be placed on using low-carbon and environmental friendly materials, such as recycled products and green concrete, while assessing the full life cycle of materials to reduce waste and pollution.
- \* The integration of digital tools including Building Information Modeling (BIM), digital twins, artificial intelligence, and automation across all stages of construction can significantly enhance efficiency, accuracy, and cost-effectiveness. At the same time, infrastructure must be designed to be climate-resilient, capable of withstanding natural calamities.
- \* Improved urban planning through smart city systems, efficient public transportation, and green buildings can make cities more viable and sustainable.
- \* Water and energy conservation should be prioritized through rainwater harvesting, wastewater recycling, solar energy adoption, and energy-efficient building designs.
- \* Stronger collaboration among academic institutions, industries, and government agencies is necessary to promote joint research and effective knowledge sharing.
- \* Education and training programs must be updated to equip students and professionals with skills related to digital technologies and sustainable construction practices.
- \* Supportive government policies, incentives, and standards are also critical to encourage green and digital construction. Additionally, the use of satellite imagery and GIS-based mapping can greatly improve urban planning, construction monitoring, and disaster preparedness.

The ideas and suggestions from the Conference will help create better research, better rules, and better buildings that are safe, smart, and good for the environment to achieve SDG by the year 2030.

The Conference was successfully organised with the benevolent support of Bangalore Water Supply and Sewerage Board, Bengaluru, VK Home Designs and Construction Firm, Bengaluru, G.K. Constructions Company, Bengaluru, Labindia Analytical Instruments Pvt. Ltd., Bengaluru, Indian Concrete Institute and UltraTech Cement, Bengaluru.



In his Presidential Address, **Dr. H. K. Ramaraju**, Chairman, emphasised the critical importance of protecting river ecosystems and underscored the responsibility of engineers, researchers, and academic institutions in advancing sustainable water resource management practices.

**Dr. B R Manjunath**, Professor, Department of Civil Engineering, DSCE delivered a Key-note Talk on **“Restoring Rivers of India : Challenges and Solutions”** wherein he elaborated on the environmental, technical and policy-related challenges associated with river degradation in India and emphasized the urgent need for sustainable and integrated river restoration practices.

The event concluded with vote of thanks by **Ms Pavithra**, Hon. Secretary, Indian Water Works Association. **Prof. Vidyashree J C** and **Prof. Harshitha M**, Faculty, Department of Civil Engineering, DSCE, extended support in organizing the event as Co-ordinators. The event attracted around 250 participants, with Google Meet accommodating up to 100 attendees and the remaining viewers joining through online access, including students, faculty members, professionals, and environmental enthusiasts from across disciplines.

### Prof. B R Narayana Iyengar Memorial Lecture



A Memorial Lecture in the name of **Prof. B R Narayana Iyengar**, Past Chairman of the Centre and Past President, IEI was instituted by IEI Karnataka State Centre during 1995. Prof B R Narayana Iyengar was an outstanding Mechanical Engineer, illustrious Academician, a reputed Teacher and Design Engineer.

Prof. Iyengar’s association with The Institution of Engineers (India) was for more than four decades and very fruitful. He was the Member of the Executive Committee of Karnataka State Centre for over thirty years and its Chairman for a two-year term. He was in the National Council of the Institution for a number of years and served as Chairman of Mechanical Engineering

Division Board. Prof Iyengar was unanimously elected to the exalted office of the Institution of Engineers (India) as its President for the year, 1986.

This year’s Lecture was organized on 21.4.2026 at DBIT and delivered by **Sri Dhiraj Abhimanyu Rao**, Managing Director, AANS Technologies for Learning & Development, Design Thinking Expert & Ex-DRDO on **“Design Thinking, Critical Thinking : Innovation Design”**.

The speaker explained that **Critical Thinking** is the ability to analyze information objectively and make reasoned judgments. It involves questioning assumptions, evaluating evidence, identifying biases, and drawing logical conclusions. **Design Thinking** is a human-centered approach to solving problems. It focuses on understanding users’ needs, redefining problems, and creating innovative solutions through iterative processes. **Innovation Thinking** is about generating new ideas and transforming them into valuable solutions, products, or processes. It emphasizes creativity, openness to change, and exploring unconventional approaches. Innovation thinking often combines insights from critical and design thinking to create impactful and practical outcomes.

**Dr. K R Nataraj**, Hon. Secretary welcomed the speaker and invitees and **Dr. H K Ramaraju**, Chairman, presided.

## World Earth Day 22<sup>nd</sup> April 2026

Earth Day is observed every year on 22<sup>nd</sup> April to promote environmental awareness and encourage actions that protect the Planet. It was first celebrated in 1970 in the United States and has since grown into a global movement involving more than 190 countries. The day focuses on key environmental issues such as climate change, pollution, deforestation, and biodiversity loss.

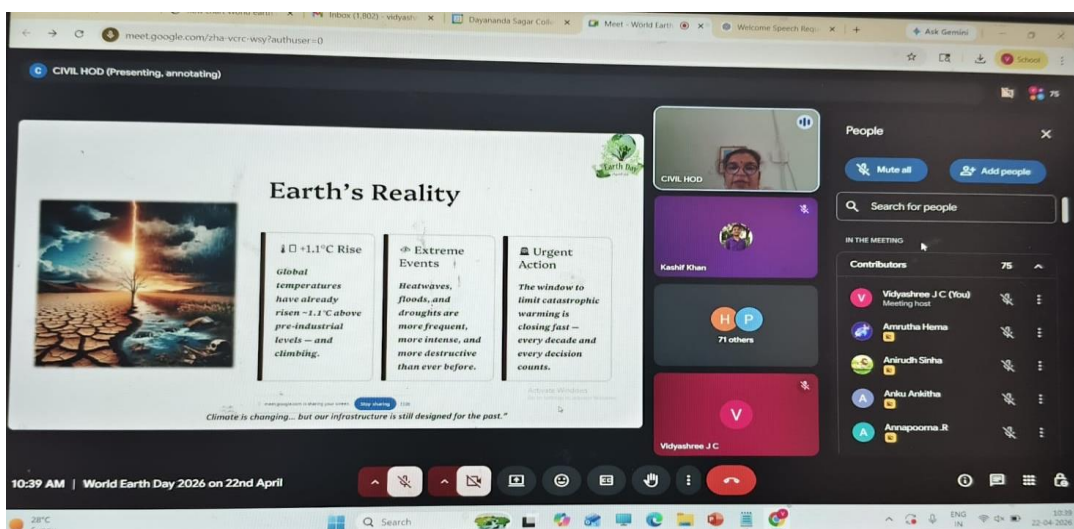
Earth Day also highlights the importance of adopting eco-friendly practices in daily life, such as reducing waste, conserving energy, and protecting natural resources, with the goal of building a healthier and more sustainable future for generations to come. The theme identified for this year's Earth Day is **"Our Power - Our Planet"**.

A Webinar was organized by the IEI Karnataka State Centre on 22<sup>nd</sup> April 2026 on the occasion of Earth Day in collaboration with Department of Civil Engineering, Dayananda Sagar College of Engineering and Institution of Public Health Engineers, Karnataka.

**Dr. D Roopa**, Professor & Head, Department of Civil Engineering, Sri Krishna Institute of Technology delivered a talk on the topic, **"Building a Sustainable Future - Role of Civil Engineers"**. In her address, she highlighted the crucial role of civil engineers in addressing climate change challenges through sustainable design, innovative construction practices and environmental conservation strategies.

The programme commenced with welcome address by **Dr. H K Ramaraju**, Chairman, IEI KSC and **Er. R P Mallik**, Chairman, Institution of Public Health Engineers, Karnataka delivered the inaugural address who stressed the importance of environmental protection and the need for sustainable infrastructure development. The event was conducted on Google Meet and live-streamed on YouTube for additional participants. A total of 260 participants joined the Webinar through Google Meet. The Webinar provided valuable insights into sustainable infrastructure and environmental responsibility. After an interactive session, the event concluded with vote of thanks proposed by **Dr. H N Sowmya**, Associate Professor, Department of Civil Engineering, Dayananda Sagar College of Engineering.

**Prof Vidyashree J C** and **Prof. Harshitha M**, Professors, Department of Civil Engineering, DSCE extended valuable support in organizing the Webinar as Co-ordinators.



Talk on  
“Intellectual Property Rights - Protecting Ideas, Inspiring Innovation”

A Lecture meeting on the above topic was organized on 10<sup>th</sup> March 2026 in association with Don Bosco Institute of Technology, Bengaluru. **Dr. S Rekha**, Associate Professor, Dept. of Information Science & Engineering, DBIT delivered the talk. **Dr. K R Nataraj**, Hon. Secretary, presided.



Talk on “Unleash Your Greatness”

An Invited Talk on the above topic was organized on 13<sup>th</sup> March 2026 in association with Don Bosco Institute of Technology, Bengaluru at DBIT. **Sri M S Hareesha**, Life Coaching Professional delivered the talk. **Dr. K R Nataraj**, Hon. Secretary, presided.



## Lecture Series in association with National Productivity Council (NPC) (Under Ministry of Commerce and Industry)

The Institution of Engineers (I) Karnataka State Centre, in association with National Productivity Council (under Ministry of Commerce and Industry) is organizing a series Lectures wherein contemporary topics like Industry 4.0, Six Sigma for Quality Improvement, Export opportunities for MSMEs, etc will be delivered by experts.

The First Lecture in the series was delivered by **Dr. C N Uday Shankar**, Former Director - Operations, M/s CNC Techno (P) Ltd, Bengaluru on "Basic Steps Towards Manufacturing Excellence" on **30<sup>th</sup> April 2026** at IEI KSC. Bengaluru.

**Dr. H K Ramaraju**, Chairman, presided. Chief Guest was **Sri. Swapan Das**, Deputy Director, NPC-Bengaluru. The program concluded with Vote of thanks by **Dr. K R Nataraj**, Hon. Secretary. The program was coordinated by **Dr S Seetharamu**, former Director, NDRF.



### Talk on

“Invention of Additional Rare Earths Resources for E-Vehicles : Possibility for Green India”.

**Prof. Dr. Raghupatruni Bhima Rao**, formerly Chief Scientist, CSIR-IMMT, Dhanbad delivered a talk on **27.2.2026** on the topic “**Invention of Additional Rare Earths Resources for E-Vehicles : Possibility for Green India**”.

**Dr. H K Ramaraju**, Chairman, delivered the welcome address and **Er. M Nagaraj**, Council Member, IEI, introduced the Speaker

The speaker in his address explained regarding occurrence of rare earth minerals from a natural resource such as beach sand minerals and from mineral separation plant tailings such as graphite. its recovery methods by physical beneficiation to pre-concentrate the rare earth minerals for metallurgical applications to extract the valuable rare earth elements and metals for various applications. Beach Sand-Natural Resource: Notably, monazite is recognized for its significant capacity to process rare earth elements (REE) and is considered economically viable for metal extraction relative to other minerals. He also briefed the procedure for recovering monazite from beach sand which is intricate and primarily relies on gravity separation to isolate monazite-rich heavy minerals. The resulting heavy mineral concentrate undergoes further processing through electrostatic separation, magnetic separation, and flotation. The final product contains 98% monazite, which can be utilized for the extraction of rare earth metals.

Rare earth minerals from natural resources such as monazite from beach sand are limited. Hence recovery of rare earth and critical minerals from mining & metallurgical waste and from mineral separation plant tailings is an alternate approach. The extracted REE and value-added material such as rare earth magnets are very much in need to present generation e-vehicles.

**Dr. K R Nataraj**, Hon. Secretary proposed vote of thanks at the end.



### Programmes organised by IEI KSC during January-April 2026

- Republic Day on 26.1.2026. Er. M Nagaraj, Imme. Past Chairman, IEI KSC accompanied with Dr. K R Nataraj, Hon. Secretary unfurled the National Flag. Er. Jasmail Singh, Past Chairman ; Dr. Seetharam, former Director, NDRF and 20 other corporate members were present.
- \* Workshop for Non-teaching Staff on “Generative AI” in association with Adichunchanagiri University, BG Nagar, Department of Computer Science & Engineering on 30-31 January 2026. Dr. B N Shobha, Dean & Principal, BGSIT and Council Member, IEI, was the Chair Person.
- \* Five-day International Short-term Training Program on “Next-Gen Engineering with ERP & SAP : Tools for Smart Manufacturing, Data & Process Management” in association with Department of Mechanical Engineering, BNM Institute of Technology and NDRF on 9-13 February 2026.
- \* Talk on “Invention of Additional Rare Earths Resources for E-Vehicles : Possibility for Green India” by Prof. Dr. Raghupatruni Bhima Rao, formerly Chief Scientist, CSIR-IMMT, Dhanbad on 27.2.2026.
- \* Talk on “Intellectual Property Rights : Protecting Ideas, Inspiring Innovation” by Dr. S Rekha, Associate Professor, Dept. of Information Science & Engineering, Don Bosco Institute of Technology on 10.3.2026 in association with DBIT.
- \* Talk on “Unleash your Greatness” by Sri M S Hareesha, Life Coaching Professional on 13.3.2026 in association with DBIT.
- \* A Felicitation Function was held in honour of Sri Doddamane Venkatesh, a renowned artist and recipient of Karnataka Rajya Naataka Academy 2025-2026 under the category (Nataratna Sri Chindodi Veerappa Datti Prashashti) on 14.4.2026. Dr. H K Ramaraju presided and honoured the dignitary.
- Talk on “Research Journey involving Methodology and Innovation” by Dr. P Sampathkumaran, former Joint Director, Central Power Research Institute & Professor Emeritus, Sambhram Institute of Technology on 28.4.2026 in association with Don Bosco Institute of Technology.
- Talk on “Goods & Service Tax Act 2017” by Sri K S Ninge Gowda, Joint Commissioner of Commercial Taxes-GST (retd) & Founder & Chairman, AANS Technologies on 30.4.2026.
- Lecture Series (First Lecture) on “Basic Steps towards Manufacturing Excellence-1” by Dr. C N Udaya Shankar, former Director (Operations), Techno CNC Pvt Ltd on 30.4.2026 in association with National Productivity Council, Bengaluru.

## INFORMATION FROM LOCAL CENTRES

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**The following activities were organized by the Local Centres during March and April 2026.**

*Belagavi Local Centre*

- World Engineering Day for Sustainable Development on “Smart Engineering for a Sustainable Future through Innovation & Digitalization” by Dr. Satish Hooli, Environment Department, Environmental Sustainability on 6.3.2026.
- World Water Day on 25.3.2026. Dr. Leeladhar Pammar, Dept. of Civil Engineering, KLS Gogte Institute of Technology, Belagavi delivered the Key-note Address on “Water and Gender”. Dr. Purandara Bekal, Former Scientist `G`, NIH, Belagavi graced the occasion as Chief Guest.
- Temple Architecture Visit to Shri. Kopeswar Temple, Khidrapur, Maharashtra on 28.3.2026.
- National Maritime Day in association with S G Balekundri Institute of Technology on 6.4.2026. Er. Pradeep Kapali, Asst. Chief Engineer, Shoei Japan Evergreen Marine Corporation delivered the theme talk on “Maritime India - Empowering Progress”. Dr. F V Manvi, Chairman SGBIT Belagavi was the Chief Guest.
- Invited Talk on “Research in Robotics : From Structure and Materials to Intelligence” by Dr. Pooja V. Anagolkar, Professor & Head of Robotics & Automation, Angadi Institute of Technology & Management, Belagavi on 17.4.2026

*Dharwad Local Centre*

- World Engineering Day for Sustainable Development on the theme “Smart Engineering for a Sustainable Future” on 5.3.2026. Prof. Mrityunjaya Kappali, Professor, E&EE (retd) was the Chief Guest. Dr. Basavaraj S Anami, Chairman, presided.
- National Safety Day on 5.3.2026. Mr Manjunath Saali, Regional Fire Officer, Hubballi graced the occasion as Chief Guest. Dr. Basavaraj S Anami, Chairman, presided
- Talk on “Engineering Aspects of Renovation and Restoration of Indian Heritage Temple Structures” by Dr. Shruti Kambalimath, Asst. Professor, Dept. of Civil Engineering, SDMCET, Dharwad on 10.03.2026.
- World Water Day and 32nd Balekundry Memorial Lecture on the theme “Water and Gender”. Er. D A Chowadappa, Social Activist/Environmentalist, Jalavahani, Gouribidanur on 24.3.2026

## Activities organized by the Local Centres during March and April 2026

### *Kalaburagi Local Centre*

- World Engineering Day for Sustainable Development on 26.3.2026 in association with KCT Engineering College. Dr. B B Deshmukh, Professor & Head, Dept. of Mechanical Engineering, Walchand Institute of Technology, Solapur delivered the talk on “Smart Engineering for a Sustainable Future”.
- World Water Day on 24.3.2026 in association with Department of Civil Engineering, PDA College of Engineering, Kalaburagi. Prof. Niteen B, Asst. Professor, Dept. of Civil Engineering, School of Engineering, Central University of Karnataka, Kalaburagi delivered the theme speech. As part of the Celebration, Debate and Poster Competition also was organised.
- Webinar on “Essentials of 3D Printing for Everyone” on 25.4.2026. Dr. Seeram Satyanarayana, Chairman, PRDB, IEI was the Guest. Dr. Sangamesh Rajole, Asst. Professor, Dept. of Mechanical Engg, School of Engineering, Central University of Karnataka and Dr. Mallikarjuna, Asst. Professor, Dept. of Production Engineering, National Institute of Technology, Tiruchirapalli shared their expertise as Panelists. Dr. Shaik Abdul Maajid, Asst. Professor, Dept. of Mechanical Engineering, KBN University, Kalaburagi was the Moderator for the Webinar.

### *Mangaluru Local Centre*

- 55<sup>th</sup> National Safety Day on 10.3.2026. Dr. Sandeep Bekal R, Principal & CMO, Sharada Ayurveda Medical College & Hospital, Mangaluru delivered a talk on “Safety Health”.
- World Water Day on 24.3.2026. Dr. B Manu, Professor & Head, Dept. of Civil Engineering, NITK, Surathkal delivered a talk on “Condition Assessment and Management Plan - Krishna River Basin Management Studies”.
- Talk on “Understanding Floods : A Hydrological Perspective” by Er. B Nishanth, Project Associate, Centre for Krishna River Basin Studies in Karnataka & Dept. of Civil Engineering, NITK, Surathkal on 14.4.2026.
- Earth Day on 28.4.2026. Dr. Amarnath Shetty, Professor, A J Institute of Engineering & Technology, Mangaluru delivered a talk on “Smart Waste Management”

### *Munirabad Local Centre*

- National Science Day on 2.3.2026. Dr. Samad Kottur, Faculty, GPU College, TB Dam, Hosapete delivered a talk on “Women in Science- Catalysing Viksit Bharat”.
- World Engineering Day for Sustainable Development on 24.3.2026. Sri N B Nagaraj, Vice President & Head, Integrated Steel Plant, Baldota Steel & Power Ltd was the Speaker.
- World Water Day on 24.3.2026. Dr. N Gururaj, Associate Professor, Shree Jagadguru Gavisideshwara Ayurvedic Medical College, Koppal delivered the theme speech.
- National Maritime Day and Seminar on “Right to Information Act 2005” on 10.4.2026. Sri S B Malligawad, Chief Engineer (I/c), KNNL, Irrigation Central Zone, Munirabad was the Chief Guest. Sri Ashok G Bhat, KAS (ret'd), Bengaluru and Sri Vinayaka Byalhunsi, TA, Munirabad delivered talks on the theme.

## Activities organized by the Local Centres during March and April 2026

### *Mysore Local Centre*

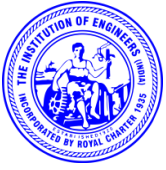
- World Water Day on 26.3.2026 in association with Dept. of Environmental Engineering, SJCE-JSSTU. Prof. H N Chanakya, formerly Faculty, IISc was Chief Guest. Sri H Ramesha, Former Supdg.Engineer, Water Resources Department delivered Key-note Address. Dr. C Natraju, Principal & Dean (E&T), SJCE and Sri Arjun B, Founder & Managing Director, Pary AI solutions Pvt Ltd graced the occasion as Guests of Honour. Er. H S Suresh Babu, Chairman, presided.
- International Women's Day on 31.3.2026. Smt Nirmal Matapathi, Administrator, CAVA inaugurated the programme. Dr. Adithya J V, Consultant Ayurvedic Surgeon, JSS Ayurveda Medical College & Hospital, Mysore was the Guest Speaker. Er. H S Suresh Babu, presided.
- Talk on "Stress Induced Physical Health Issues and their Management" by Dr. Prasanna Venkatesh TS, Chief Physician, Sriranga Ayurveda Chikitsa Mandira, Mysore on 17.4.2026.
- Internship Programme for the students of Maharani College for Women, Mysuru from 23<sup>rd</sup> March to 27<sup>th</sup> March 2026.
- Earth Day on 25.4.2026. Dr. T V Ramachandra, Co-ordinator, Energy & Wetland Research Group, Centre for Ecological Sciences, Indian Institute of Science delivered a talk on "Ecologically Sensitive Regions in the Western Ghats : Conservation for Intergenerational". Er. H S Suresh Babu, presided.

### *Tumakuru Local Centre*

- Invited Talk on "Bridging Policy and Practice - Water Conservation is Everyone's Duty" by Sri K Jaiprakash, KES, Technical Advisor to Deputy Chief Minister, Govt. of Karnataka in association with Siddaganga Institute of Technology.

Dr. H K Ramaraju, Chairman and Er. M Nagaraj, Council Member, IEI participated in the programme as Guests of Honour. They were also felicitated on the occasion by the Chairman and Hon. Secretary of Tumakuru Local Centre.





# The Institution of Engineers (India)

Karnataka State Centre, Bengaluru

## Student Research Project Programme

(SRPP – First Series : 2025-2026)

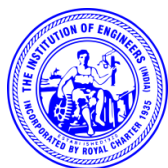
The Institution of Engineers (India), Karnataka State Centre conducted Student Research Project Programme (First Series : 2025-2026) by inviting Project Proposals from the final year students of B.E, B.Arch, M.Tech, M.Sc, M.Tech/M.Sc (Agriculture), MBA & MCA Courses in Karnataka.

There has been overwhelming response from the students from all over Karnataka. This is an effort to encourage students for presenting their innovative ideas, technical excellence and practical relevance. This initiative aims to inspire young minds to explore emerging areas of engineering and develop innovative solutions to real-world challenges and offers ample opportunity for recognition, learning and professional growth.

Following Projects have been approved by the Expert Committee for the Students Research Project Proposal (SRPP) for the year 2026-27

### CIVIL ENGINEERING

Name of the College	Title	Name of Guide	Sanctioned Amount (Rs.)
G Madegowda Institute of Technology, Maddur	Sustainable dual core recovery model	Dr. Vidya	3,000/-
MSRIT, Bengaluru	Sustainable Wall Panel	Dr. Nagashree	3,000/-
BMSCE, Bengaluru	Waste to Wealth Sustainable Bricks	Prof. Deepa /Dr. K Asha	4,000/-
SIT, Tumakuru	Experimental Evaluation BNSM & SNSN GFRP Bar	Dr. Roopa	3,000/-
SIT, Tumakuru	Sustainable High durability Concrete	Dr. Ashwin	4,000/-
BMSIT, Bengaluru	Development of High Strength Paver Blocks	Dr .Rajesh gopinath	4,000/-
RNSIT, Bengaluru	Recharging Phreatic Zone through Pervious	Dr. Abhijith CC	3,000/-
Acharya Institute of Tech., Bengaluru	Remediation of Nickel Concentration in Paint	Prof. Brinda & Dr Srika	3,000/-
SJCE- Mysore (ENVI)	Waste Cooking in to Wealth	Prof. Chandrashekar B	3,000/-
BLDEA-Vijayapur (ENV)	Evaluation and Optimization of Urban Water Supply	Dr. Navin Desai	3,000/-



# The Institution of Engineers (India)

Karnataka State Centre, Bengaluru

## Student Research Project Programme

(SRPP – First Series : 2025-2026)

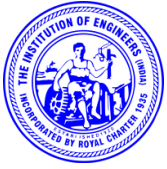
Following Projects have been approved by the Expert Committee for the Students Research Project Proposal (SRPP) for the year 2026-27

### MECHANICAL ENGINEERING

Name of the College	Title	Name of Guide	Sanctioned Amount (Rs.)
SECAB Institute of Technology, Vijaypur	Development of AI Based Virtual Sensor	Dr. Syed Abbas Ali	3,000/-
KLS Institute of Technology, Haliyal	Analysis of Heat Transfer Characteristics	Dr. Shankar Badiger	3,000/-
SJC Institute of Technology, Chickballapur	Development of Hybrid Solar & Wind Energy System	Dr. Ravikumar T R	3,000/-
SIT, Tumakuru	Competition and Experimental Validation	Dr. Nitesh K G R	4,000/-

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Vice Principal & HOD, Civil Engg.  
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# The Institution of Engineers (India)

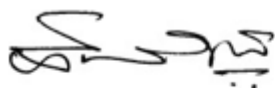
Karnataka State Centre, Bengaluru

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

## SUBJECT: Artificial Intelligence & Machine Learning

SL.No	Name of the College	Title	Name of Guide	Sanctioned Amount
1	B M S Institute of Technology	"Intelligent Hydroponic system for medicinal Plants using IoT and AI to predict therapeutic Compounds and provide knowledge-based adaptive recommendations....."	Dr Srivani P	Rs. 3,000/-
2	B M S Institute of Technology	SmartAyush: AI-Powered Traditional Wellness Assistgant	Mrs. Pankaja R	Rs. 3,000/-
3	B M S Institute of Technology	Smart AI Helmet	Dr. Mahantesha U	Rs 3,000/-
4	B M S Institute of Technology & Management	AI-driven Prakriti and IoT Framework for Dosha Monitoring and personalized therapy in Ayurvedic Healthcare	Dr Srivani P	Rs. 3,000/-
5	B M S Institute of Technology & Management	AI-Driven Smart Udder Health Monitoring & Early Mastitis Prediction system	Dr Srivani P	Rs. 3,000/-
6	B M S Institute of Technology & Management	Smart Virtual Herbal Garden for Ayush Medicinal Plants	Dr. Arun Kumari B N, Dr. Vinod B R	Rs. 3,000/-
7	Don Bosco Institute of Technology	Automated Model Compression for Deep Neural Networks	Dr. Rekha S Dr Rakshitha C M	Rs. 3,000/-
8	K S Institute of Technology	AI-Powered Diagnostic Model for Early detection of Diabetic Retinopathy	Dr Sahana Salagare	Rs. 3,000/-
9	K S Institute of Technology	A Werable Sensor-Integrated Armband system for Real-time Cardiac Risk Prediction using Machine Learning Models	Dr Suresh M B	Rs. 3,000/-
10	Aditya College of Engineering & Technology	Nourish Connect-A Smart Food donation App	Dr Ramya M	Rs. 3,000/-
11	Aditya College of Engineering & Technology	Smart AI Interview Training and Feedback System	Dr Ramya M Mr. Pavan P M	Rs. 3,000/-

12	T. John Institute of Technology	Deep Vision for Diabetic Foot health and Ulcer Identification	Dr Chaya Ravindra	Rs. 3,000/-
13	T. John Institute of Technology	Smart Irrigation control using knowledge Graph (KG) Reasoning	Mrs. Kanika Chalana	Rs. 3,000/-
14	T. John Institute of Technology	AI-Enabled Wearable Monitoring system for early Risk Detection in Vulnerable Populations	Dr. Asha S Manek	Rs. 3,000/-
15	HKBK College of Engineering	Oil Spill Detection in Marine Environments Using Image and Video frame Analysis	Prof. Afreen Kubra	Rs. 3,000/-
16	AMC Engineering college	Reinforcement Agents for Intelligent Discovery and Exploit Research	Dr. Meena Deshpande	Rs. 3,000/-
17	RNS Institution of Technology	Real-Time Edge Vision for Industrial Monitoring and Anomaly detection	Dr. Mahantesh K	Rs. 3,000/-
18	RNS Institution of Technology	A Smart Multimodal Autism Assistance System using Wearable Sensor and Edge Artificial Intelligence	S. Vinutha Dr Mohan H S	Rs. 2,500/-
19	Angadi Institute of Technology & Management	SMART A GROBOT PLUS- ai Enabled Autonomous Precision Farming and Crop Recommendation system	Prof Sagar Birje	Rs. 2,500/-
20	Mangalore Institute of Technology & Engineering	AI-Powered offline intelligent Soil Fertility and irrigation Advisor using Raspberry and Pi and ESP32	Dr. Chandrakantha TS, Dr Madhwaraj KG	Rs. 2,500/-
21	Bangalore Technological Institute	Design & Implementation of a mobile robot with 6-DOF arm for Agri Purpose	Dr Mohammed Saleem	Rs. 2,500/-



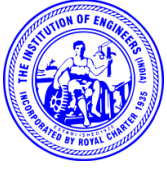
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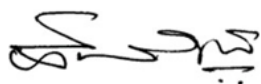
Following Projects have been approved by the Expert Committee  
for the Students Research Project Proposal (SRPP) for the year 2025-26

**SUBJECT: COMPUTER SCIENCE**

SL.No	Name of the College	Title	Name of Guide	Sanctioned Amount
1.	AGM Rural College of Engg	Automatic Railway Gate Control using arduino uno	Prof Chanama Patil Mrs. Sushma Hugar	Rs. 3,000/-
2.	AGM Rural College of Engg	Eco Nexis	Dr Krupashankari Uttara Revenkar	Rs. 3,000/-
3.	RNS Institute of Technology	An adaptive Multimodal AI Assistive System for Autism Support using Emotion Aware Learning and AI-Guided	Dr Sreevidya Dr Bhavani shaker	Rs. 3,000/-
4.	RNS Institute of Technology	AI Enabled Digital Twin for Smart Urban Traffic Optimization	Dr Naveen L	Rs. 3,000/-
5.	RNS Institute of Technology	AI-Powered Vulnerability Detection and Mitigation system	Dr. Manohar & Abhijith	Rs. 3,000/-
6.	RNS Institute of Technology	Real-time Edge Vision for industrial monitoring and anomaly Detection	Dr. Mahantesh K	Rs. 3,000/-
7.	BMS Institute of Technology	IOT Based Home Radiation Monitoring System	Dr Durga Bhavani Dr. Vinod	Rs. 3,000/-
8.	Dr Ambedkar Instit. Tech	Intelligent AI: AI Powered Cavity Monitoring & Cancer Detection	Dr Madhu B	Rs. 3,000/-
9.	Visvesvaraya Technological University (VTU)	Securing Data at village/Panchayat Levels using steganography	Dr Nirmala Hiremani	Rs. 3,000/-
10.	K S Institute of Technolgy	Rural Livelihood Improvement (Digital Literacy)	Dr. Krishna gudi	Rs. 3,000/-
11.	Kalpatharu Instit. of Tech	AI Assisted IoT Smart Irrigation for sustainable Coconut Crop Yield through water optimization	Dr. Sanjay Kumar N V	Rs. 3,000/-
12.	HKBK College of Engg.	AI Based Recycling decision logic for routing Waste in to Mechanical and Chemical Processing	Dr . M Vilasini	Rs. 3,000/-
13.	Shridevi Institute of Engg & Technology	Design & Development of an edge deployed ai Intrusion Detection & Prevention system (IDPS)	Dr Sridhar T	Rs. 3,000/-

14.	Visvesvaraya Institute of Advanced Technology	Identifying and tracking of migration malnutrition Children	Dr Bhavana R Maale	Rs. 3,000/-
15.	C Byregowda Inst. Of Technology	Smart AI Based Incentive Waste Segregation and energy Generation system	Dr Chowde Reddy C SN Chandrashekhara	Rs. 3,000/-
16.	K S Institute of Technology	Real-time sustainability Insights & Circular Economy Recommendations	Prof. Raghavendrchar	Rs. 3,000/-
17.	K S Institute of Technology	Jeevanlocker-A Unified Medical Record Management System with Consent – Based Access & Blockchair Security	Prof. Prashanth H S	Rs. 3,000/-
18.	Nitte Meenakshi Institute of Technology	Empowering Judicial India: An AI powered Multi agent system for enhancing legal Research and Access to Justice	Dr Manoj Kumar M V Mr. Prashanth B S	Rs. 3,000/-
19.	Sri Venkateshwara College of Engineering	Smart IoT Based Pothole Detect ion & Filling System	Dr Sunil Kumar KN Prof Maria Navin J R	Rs. 3,000/-
20.	Aditya College of Engg & Technology	Livelihood-on-Demand: Connecting Rural Talent to Tasks via Location intelligence.” Hard workers	Prof. Sumitha B S	Rs. 3,000/-
21.	Bahubali College of Engineering	Bloickchain And AI-Powered Healthcare Management system	Mrs. Priyanka M.E	Rs. 3,000/-
22.	BMS Institute of Technology & Management	Smart Virtual Herbal Garden For Ayush Medicinal Plants	Dr Arunakumari B N Dr Vinod B R	Rs. 3,000/-
23.	Shridevi Institute of Engg.	AI-enables Campus Management System with Mobile Application Integration	Dr. Sridhar T	Rs. 3,000/-
24.	Bangalore Technological Institute	SignalX: Even-Driven Traffic Signal Data Processing and Management System	Dr Sreeramareddy G M	Rs. 3,000/-
25.	RNS Institute of Technology	AI-Driven Non-Invasive Canine Biometric Identification & Vaccination Tracking System	Dr Bhavanishankar Dr Sreevidya R C	Rs. 3,000/-
26.	APS College of Engg.	AI-Trained Medicine Recommendation System	Dr. Krushitha Shetty	Rs. 3,000/-
27.	APS College of Engg.	Biometric Group Classifier Using Fingerprinting	Dr. Mithun B N	Rs. 3,000/-
28.	Dr Ambedkar Institute of Technology	VermiTrack-Automated Earthworm Cultivation & Vermicompost Process with App-Based Monitrng	Prof Asha Rani K P Dr. Gowrishankar S	Rs. 3,000/-
29.	Bangalore Institute of	Claim-Xpert: AI-Driven Vehicle Insurance Claims Automation with	Dr. Hemavathi P	Rs. 3,000/-

	Technology	Fraud Detection & Severity		
30.	K S Institute of Technology	Meri Awaaz Hi Pehchan Hai- a Multilingual Podcast Processing System for India	Dr. Vijayalaxmi Mekali	Rs. 3,000/-
31.	K S Institute of Technology	SpeakSafe-Design & Evaluation of a Latency-Aware Deepfake Audio Detection Framework...	Dr. Rekha B Venkatapur	Rs. 3,000/-
32.	K S Institute of Technology	SAMARTH: A Unified Architecture for Special Edu..	Dr. Sowbhagya M P	Rs. 3,000/-
33.	K S Institute of Technology	OralScan AI: Cancer & Precancer Lesion Detection using Deep Learning	Dr. Sunita Chalageri	Rs. 2,500/-
34.	Jain College of Engineering	Quantumsentinal: A Future-resilient secure Communication Framework Powered by Post	Prof Siddharth Bhatkande	Rs. 2,500/-
35.	BMS College of Engg.	AI-Driven Beverage Safety & Nutrient Monitoring Tool	Prof. Samhitha	Rs. 2,500/-
36.	BMS Institute of Technology	Perfomance & Feasibility Analysis of Gas Cost in Ethereum-Based Smart Contracts:A Case Study on..	Prof. S Naga Sushma K	Rs. 2,500/-
37.	Sambhram Institute of Technology	Lumen AI: Cognitive Streetlight Control System	Prof. Poovidha S	Rs. 2,500/-



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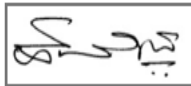
Karnataka State Centre, Bengaluru

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.	BGS Institute of Technology	Smart Vision Stick: An IoT Based navigation Generative AI Analysis	Dr Naveen K B	Rs. 3,000/-
8.	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/-
9.	Dayananda Sagar college of Engineering	AgriVision Machine Learning Based Robotic Harvesting and disease Detection System	Dr Pavithra G	Rs. 3,000/-
10.	Dayananda Sagar college of Engineering	Real Time Road Damage Detection and Drive Assistance system	Dr Vinod Durdi	Rs. 3,000/-
11.	Dayananda Sagar college of Engineering	5F Enabled Real-Time Wearable Health Monitoring and emergency Alert System	Dr Preeti Khanwalkar	Rs. 3,000/-
12.	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/-
13.	Dayananda Sagar college of Engineering	Cleantech Restroom IOT Enabled smart sanitation for personalized hygiene & Sustainability	Dr Preeti Khanwalkar	Rs. 3,000/-

14.	Dayananda Sagar college of Engineering	Navigate Autonomous Sensor Healthhub	Dr Suma	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 Mysur	The Smart Buoy: A Connected Life Jacket for Fishermen	Prof Komalakumari	Rs. 3,000/-
23.	Vidya Vikas Institute of Engineering & Technology Mysur	IoT Manhole Monitoring and alerting System	Dr Rajalakshmi M C	Rs. 3,000/-
24.	Vidhyavardhaka College of Engg	Smart Voice: a Voice Controlled Home Automation	Prof Harshitha K	Rs. 3,000/-
25.	Don Bosco Institute of Techno.	Solar Powered Cold Storage Method to Provide Economical solution for Cold Chain	Dr Babitha S	Rs. 3,000/-
26.	SJC Institute of Technology	Real Time EEG Based Intelligent Assistive Wheelchair with Safety and IoT Integration	Dr c Rangaswamy	Rs. 3,000/-
27.	SJC Institute of Technology	Simulation & AI Modeling of Photonics Based Optical Biothreat Early Warning System	Dr Hareesh Kumar	Rs. 3,000/-
28.	BMS Institute of technology	Development of Custom 10.2525 GHz Antenna System for AI Based Acitivity Monitoring	Dr C Gururaj	Rs. 3,000/-
29.	BMS Institute of technology	Electrocardiogram Based Biometric Authentication system using edge computing	Dr C Gururaj	Rs. 2,500/-
30.	M S Ramaiah Univeristy of Applied Science	Design & Development of a Reactive Robo toy for Child (6-36Months)	Prof Vishwanath K	Rs. 2,500/-
31.	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/-
32.	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/-
33.	HKBK College of Engineering	Design & Development of Smart Security System using Raspberry Pi	Dr Manjunatha R Kounte	Rs. 2,500/-



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# 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: ELECTRICAL & ELECTRONICS ENGINEERING

SL.No	Name of the College	Title	Name of Guide	Sanctioned Amount
1	SJBIT, Bengaluru	Solar power Based Multi –Purpose Agri. Robot	Dr. Prakyath D Dr. M L Chandrashekar	Rs. 3,000/-
2	Sri Siddhartha Institute of Technology- Tumakuru	AI Enabled Drone system for smart energy monitoring for remote and off-Campus Areas	Dr Praveen Kumar C	Rs. 3,000/-
3	Sri Siddhartha Institute of Technology- Tumakuru	Design & Implementation of a Real Time Image forgery Detection System for Digital forensics	Dr Praveen Kumar C	Rs. 3,000/-
4	BNM Institute of Technology	Water Quality Monitoring System using Integrated Sensors and Image Processing	Dr. Priyashree S Dr. Venkatesha K	Rs. 3,000/-
5	RNSIT – B'lore	Nethra Saka	Dr Sampath Kumar R Dr. Sharada Prasad N	Rs. 3,000/-

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# 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: Biotechnology & Others**

SL.No	Name of the College	Title	Name of Guide	Sanctioned Amount
1	M S Ramaiah Institute of Technology, B'lore	Comparative analysis of time Dependent Non thermal Plasma extraction of polyphenols from Rambutan Fruit Husk to control high Biofilm forming Candida Tropicalis	Dr. Bindu S	Rs. 3,000/-
2	Acharya Institute of Technology, B'lore	Design & Mass Transfer characterization of Nutrient Enzyme Loaded Smart beads for soil fertility and plant growth	Dr Suneetha T B	Rs. 3,000/-
3	R V College of Engineering	Design & Development Kapok (Ceiba Pentandra) Fiber-Based Sustainable Functional Material for Industrial Applications & Societal outreach	Dr Nagashree N Rao Dr. Gangadhar Angadi	Rs. 3,000/-
4	Global Academy of Technology (GAT)	Iron Ore Tailings-Based Smart Concrete with Magnetic & Luminescent Properties for Strength Enhancement Structural Monitoring & Highway Illumination	Prof. Pallavi H J	Rs. 2,500/-
5	Don Bosco Institute of Technology	Performance Evaluation of Sustainable Porous Concrete for Pavement Applications Incorporating Fly Ash, GGBS, <u>Alcofine</u> and Recycled Plastic Granules	Mr. Gobinath S Dr. Vinod B R	Rs. 2,500/-

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Chairman, IEIKSC  
Vice Principal & HOD, Civil Engg.  
DSCE, Bengaluru

Dr K R Nataraj, FIE  
Hon. Secretary, IEIKSC  
Dean & Director (R&D)  
DBIT, Bengaluru

Note: The candidates have to submit final thesis (one hard copy) on 30.5.2026 during the presentation time from 10.00 am to 3.00 pm at The Institution of Engineers (India), Karnataka State Centre, No. 3, Dr. B R Ambedkar Veedhi, Bengaluru 560 001 alongwith duly enclosed account statement. The amount will be released to the account of the Principal of the respective College.



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# The Institution of Engineers (India)

Karnataka State Centre, Bengaluru

# 3, Dr B R Ambedkar Veedhi, Opp to Indian Express, Bengaluru-560001

080-22256191 | 080 22264698 | 8105625725

[ieiksc.ksc@gmail.com](mailto:ieiksc.ksc@gmail.com); [ieiksc2014@gmail.com](mailto:ieiksc2014@gmail.com), [www.ieiksc.org.in](http://www.ieiksc.org.in)

## Membership Campaign & Enrollment

### About The Institution of Engineers (India)

The Institution of Engineers (India) [IEI] is the largest Multi-Disciplinary Professional Body of Engineers, established in 1920 with its Headquarters located in Kolkata and incorporated under Royal Charter on 9th September, 1935 by the then His Majesty of King George V.

The Royal Charter endowed the Institution with the responsibility to promote the general advancement of engineering amongst its members and persons attached to the Institution.

After Independence, the Institution is a “Body Corporate” protected under Article 372 of the Constitution of India.

The Institution of Engineers (India) is administered by a National Council with the President as its Head.

### Objectives

- The State / Local Centres of IEI spread across the country do organise technical activities and provide platform to the stakeholders, technocrats, policy makers and others to share their expertise to benefit the engineering fraternity.
- IEI issues membership certification to the eligible engineers, technologists and scientists. Chartered Engineer, Professional Engineer and International Professional Engineer certifications in various disciplines of engineering are also issued by this Institution.

### Key Take-aways

#### IEI supports continuing Professional Development to its Members and Engineering Professionals:

##### 1. Technical Activities at Different parts of the Country:

The Institution of Engineers (India) conducts various technical activities like International Conference, National Convention, All India Seminar / Workshop, One Day Seminar in various parts of the country. The topics of these technical activities are in parity the recent development and requirement of the engineering and sciences and the speakers are the leader of industry and academics.

## **2.Training Program at Engineering Staff College of India:**

Engineering Staff College of India (ESCI) Hyderabad is an autonomous organ of 'The Institution of Engineers (India)'. The primary objective of ESCI is to impart professional and need-based continuing professional development and training in frontier areas of Engineering, Scientific and Management fields, simultaneously providing professional consultancy and technical services to the industry.

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### **Grants for Members:**

IEI Members of various Educational Institutions are given preference in the disbursement of grant-in-Aid for R&D Activities.

R & D grant for B Tech / M Tech/ PhD Projects.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ Ph.D students of Engineering Institutes & Universities.

Grant for organizing two national level seminars / workshops in a year. Use Institutional Premises for Technical Activities / Seminars/Workshops

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### **Peer Network:**

Share your expertise, develop your knowledge and contacts and broaden your career and professional horizons by involving IEI. The IEI has more than hundred centres in the major cities and towns around the country, ensuring that there is a community of members near you. Technical activities in your local area enable you to meet the fellow professionals and enjoy benefits of your network with your peers.

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### **Certification as Professional Engineers: PE/Int PE/ CE Certificate**

Professional Engineer Certification enhances the knowledge, skill and competency of engineering professionals and also elevates their career by making them a member of an elite group of engineers. The rise in demand of competent engineers in the country necessitates the importance of Professional Engineers for certifying the engineering plans, drawings etc. for any public works of the government departments

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### **Practice of Engineering Profession through Chartered Engineer certificate.**

- To be empanelled as Valuer, Loss Assessor in various financial institutions like Bank, Insurance companies etc.
  - To be empanelled as Chartered Engineer in the Original Side of High Courts, Central Excise and Customs and other similar Govt. concerns.
  - To win a contract of civil works from Municipal Corporation and similar govt. bodies.
  - To be employed and/or promoted in foreign companies.
  - To practice as self-employed consultant in India and abroad
-

## Credentials for Members:

IEI Members are entitled to use Designated Letters against the membership Grades as A M I E / M. I. E/ F.I.E

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## Access to Technical Publications:

E-access to IEI-Springer Journal and avail hardcopy of the same at a concessional rate.

E-access to other technical publications e.g. IEI News, IEI Epitome.

IEI is in partnership with globally renowned journal publishing house: Springer Nature ([www.springernature.com](http://www.springernature.com))

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## Knowledge resources:

Facilities to use rich collections of the IEI library networks at any part of the country. Attend National & International Seminars, workshops conducted by IEI in different parts of the country at a concessional rate. Opportunity to participate in technical events e.g. seminars, Symposia, Conventions, Workshops etc. organized by various IEI centres at State, National and International levels at a concessional rate of 20%.

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## IEI Homes:

Enjoy stay at IEI guest houses in all major cities of India at Concession Rate.

Check out for Guest House Availability across the Country:

www:[ieindia.org](http://ieindia.org)>[ieinetwork](http://ieinetwork)> [ieicentres](http://ieicentres) & Overseas

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For more details please Visit [www.ieindia.org](http://www.ieindia.org)

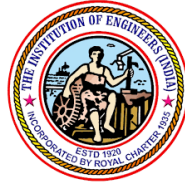
## Membership Grades & Eligibility Criteria with latest Fee Structure

Membership	Age	Qualification	Experience	One Time Fee	Chartered Engg. Certificate
AMIE	21	BE/B.Tech	-	Rs. 7,136/-	Rs. 51,920/-
MIE	30	BE/B.Tech	8Years	Rs. 13,216/-	Rs.46,020/-
FIE	40	BE/B.Tech	25 Years	Rs. 20,296/-	Rs.34,220/-
		BE/B.Tech	20 Yrs + MIE 2 Yrs		
		ME/M.Tech	23 Yrs		
		ME/M.Tech	18 Yrs + MIE 2 Yrs		
		Ph.D (Engg)	20 years		
		Ph.D (Engg)	15 Yrs + MIE 2 Yrs		

For further details Contact Membership Coordinator: 9945425725

**IEI - MEMBERSHIP CORNER**

**LATEST MEMBERSHIP FEES FOR AMIE, MIE, FIE & CHARTERED ENGINEER CERTIFICATE**



**The Institution of Engineers (India)**  
**Escalate Career as Chartered Engineer [CEng(I)]**  
**Benefits**

**The Institution of Engineers (India)**  
**Chartered Engineer Certificate Issued by The Institution of Engineers (India)**

The Royal Charter of Incorporation granted to The Institution of Engineers (India) [IEI] on 9 September 1935 endowed the Corporate Members of the Institution with the right to use the title 'Chartered Engineer (India)' after their names, implying that they are qualified engineers deemed worthy to hold a Charter.

The Chartered Engineer certificate issued by IEI has been largely acknowledged as a proven benchmark for an engineer to practice in India and abroad.

It has been observed that the Chartered Engineer certification has been useful for the following purposes:-

- To be empanelled as Valuer, Loss Assessor or in various other similar government concerns
- To be empanelled as Chartered Engineer in the Original Side of High Courts, Central Excise and Customs and other similar government concerns
- To act as Inspecting and Certifying Engineers under statutory enactments and arbitration proceedings
- To get contracts of civil works from Municipal Corporations and similar government bodies
- To have better opportunities of being employed and/or promoted in multinational organisations
- To practice as a self employed consultant in India and abroad

In general, the Chartered Engineer certificate issued by IEI, plays as a mark of recognition and acceptance of one's techno-academic qualification and professional attainment.

For details, please visit  
 Website : [www.ieindia.org](http://www.ieindia.org)  
 Email: [membership@ieindia.org](mailto:membership@ieindia.org)

**The Institution of Engineers (India)**  
**IEI Membership Benefits**

**Entitlement for Chartered Engineer Certificate**

In general, the Chartered Engineer certificate issued by IEI plays as a mark of recognition and acceptance of one's techno-academic qualification and professional attainment as applicable

IEI Members are Entitled to use the Prestigious Suffixes (e.g. AMIE/ MIE/ FIE & also Chartered Engineer (India) After Name

Sponsorship of Research and Development activities (UG/PG/PhD levels) through the R&D Grant-in-aid scheme of IEI

Free e-access to the Five Series IEI-SPRINGER journals. Covering 15 Engineering disciplines which are all SCOPUS indexed

Free e-access to other IEI publications such as IEI NEWS, IEI Epitome etc

Access to huge number of books and other resources (approx 3 lakhs) at nearly 100 IEI libraries located all over the country

Opportunity to participate in various training programmes and technical events e.g. Seminars, Symposia, Conventions, Workshops, Congress etc. organized by various IEI Centres at State, National and International levels for free or at a concessional rate

Opportunity to enjoy stay at IEI Guest Houses spread over 50 major locations in the Country at nominal maintenance charges. List of the Guest Houses are available at [www.ieindia.org](http://www.ieindia.org)

For details, please visit  
 Website : [www.ieindia.org](http://www.ieindia.org)  
 Email: [membership@ieindia.org](mailto:membership@ieindia.org)

**The Institution of Engineers (India)**  
**Benefits of Chartered Engineer Certificate Issued by The Institution of Engineers (India)**

Charter of Incorporation granted to The Institution of Engineers (India) [IEI] on 9 September 1935 endowed the Corporate Members of the Institution with the right to use the title 'Chartered Engineer (India)' after their names, implying that they are qualified engineers deemed worthy to hold a Charter.

Engineer certificates issued by IEI are recognized as a proven benchmark for an engineer to practice in India and abroad.

It has been observed that the Chartered Engineer certification has been useful for the following purposes:-

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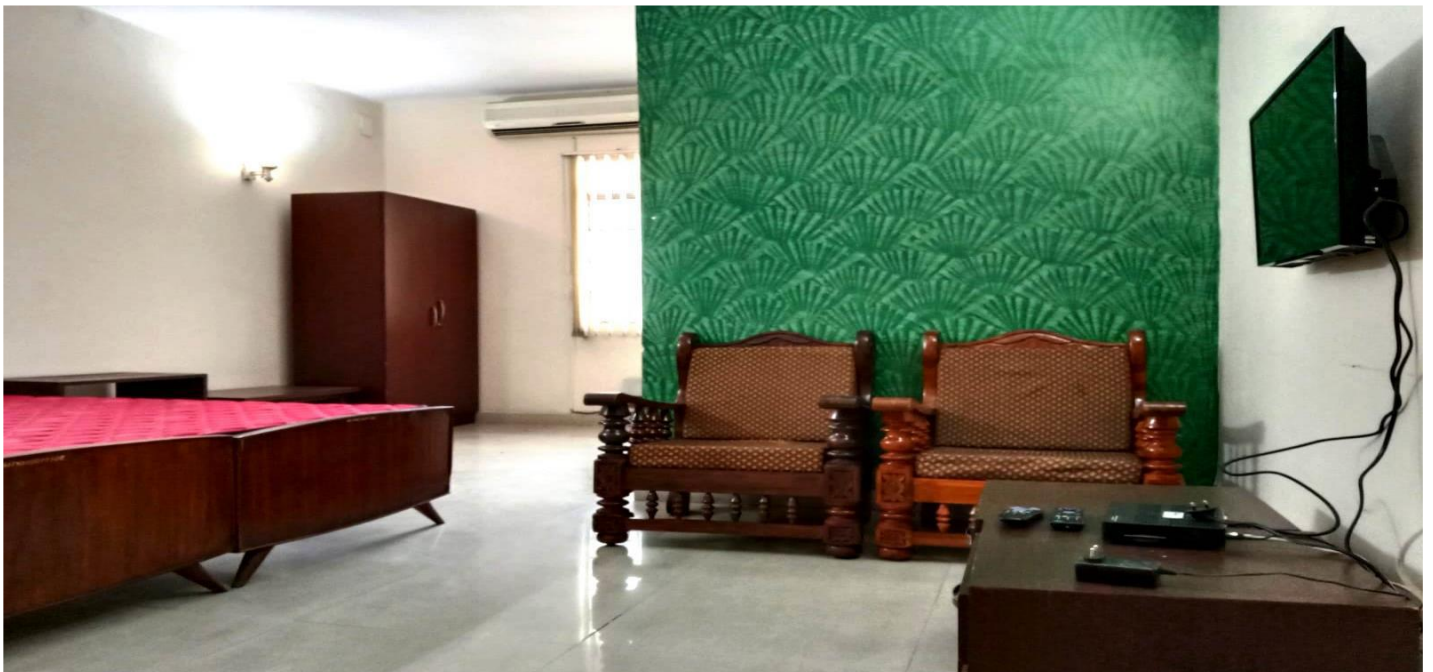
For details, please contact  
 membership@ieindia.org

# EVENT SPACE AVAILABLE AT IEI KSC, Bengaluru





## Guest Rooms





**Lecture Hall**





**Board Room**





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## Sir M V Auditorium



