



Silver Jubilee Year Celebrations


Green Campus Initiative

Awareness Programme

Role of Engineers in Climate Resilience

 **25 April 2026**

 **12:00 PM to 01:30 PM**

 **Falconry Seminar Hall**



Dr. J V Jagannatha Venkataramaiah

Rtd Scientist & Environmental Engineer,
ISRO
Founder Director,
People Science Forum

Coordinators

Dr. R Mohan Das
Prof. Satishkumar D
Prof. Vinod Kumar S
Prof. Veena M H

Dr. Mukul Manohar S
Professor & Associate Head, QAIIE

Convenor
Dr. S Sujitha
HoD-EEE

Dr. Revathi V
Dean - R&D

Dr. R J Anandhi
Dean - Academics

Dr. Manjunatha
Principal

Organised by
Department of Electrical and Electronics Engineering

Role of Engineers in Climate Resilience

Green Campus Initiative – Silver Jubilee Year Celebrations

Organised by: Department of Electrical and Electronics Engineering (EEE), New Horizon College of Engineering, Bengaluru

In Association with: IEEE NHCE Student Branch and IEEE Dielectrics and Electrical Insulation Society (DEIS) Student Branch Chapter

Date: 25 April 2026

Time: 12:00 PM – 01:30 PM

Venue: Falconry Seminar Hall, NHCE

As part of the Silver Jubilee Year Celebrations and Green Campus Initiative, the Department of Electrical and Electronics Engineering (EEE), New Horizon College of Engineering organised an Awareness Programme on “Role of Engineers in Climate Resilience” on 25th April 2026 at the Falconry Seminar Hall.

The programme aimed to create awareness among students regarding the increasing challenges posed by climate change and the significant role engineers play in developing sustainable, resilient, and environmentally responsible solutions. The event encouraged students to understand how technological innovations, renewable energy systems, smart infrastructure, and sustainable engineering practices can contribute towards climate adaptation and mitigation. The programme aligns with NHCE’s continuous efforts towards environmental sustainability and green campus initiatives.

Chief Guest

The resource person for the programme was:

Dr. J. V. Jagannatha Venkataramaiah

Retired Scientist and Environmental Engineer, ISRO
Founder Director, People Science Forum

Dr. Venkataramaiah is a distinguished scientist and environmental expert with extensive experience in sustainable development, environmental conservation, and initiatives promoting scientific awareness.

Objectives of the Programme

The major objectives of the programme were:

- To create awareness about climate change and its global impact.
- To understand the concept of climate resilience and sustainable development.
- To highlight the responsibilities of Engineers in addressing environmental challenges.
- To promote innovative engineering solutions for climate adaptation and mitigation.
- To encourage students to participate in green initiatives and sustainable practices.
- To inspire future engineers to contribute towards environmental protection and societal well-being.

Proceedings of the Programme

The programme commenced with a warm welcome by the faculty coordinators and organising team. The dignitaries, faculty members, IEEE student representatives, and students gathered to participate in the awareness session.

Dr. J. V. Jagannatha Venkataramaiah delivered an insightful and thought-provoking lecture on the importance of climate resilience in the modern world. He explained how climate change is affecting ecosystems, natural resources, infrastructure, and human livelihoods across the globe. He emphasised that engineers are at the forefront of developing solutions to tackle these challenges through innovation, research, and sustainable technologies.

The speaker discussed several key areas where engineers can contribute, including:

- Renewable Energy Systems
- Smart Grid Technologies
- Sustainable Urban Planning
- Green Buildings and Energy-Efficient Infrastructure
- Water Resource Management
- Waste Management and Recycling Technologies
- Climate-Resilient Transportation Systems
- Environmental Monitoring and Data Analytics

Through real-world examples and case studies, he illustrated how engineering innovations have helped communities adapt to environmental changes and reduce carbon emissions. Students were encouraged to think beyond conventional engineering approaches and focus on sustainable and eco-friendly solutions.

The session also highlighted the importance of interdisciplinary collaboration among engineers, scientists, policymakers, and society in building a climate-resilient future.

Student Interaction Session

An interactive question-and-answer session was conducted at the end of the talk. Students actively participated by asking questions related to:

- Renewable Energy Integration
- Sustainable Engineering Practices
- Climate Adaptation Technologies
- Environmental Policies and Regulations
- Career Opportunities in Sustainability and Green Technologies

The resource person addressed all the queries with practical insights and encouraged students to actively engage in environmental conservation activities and research initiatives.

Outcomes of the Programme

The programme successfully achieved its objectives. The participants:

- Gained awareness about climate change and environmental sustainability.
- Understood the importance of climate resilience in engineering applications.
- Learned about emerging technologies for sustainable development.
- Recognised the role of engineers in reducing environmental impact.
- Developed motivation to participate in green campus and sustainability initiatives.
- Enhanced their understanding of renewable energy and eco-friendly engineering solutions.

Conclusion

The Awareness Programme on “Role of Engineers in Climate Resilience” was highly informative and inspiring. The expert lecture by Dr. J. V. Jagannatha Venkataramaiah provided valuable insights into the critical role engineers play in addressing climate challenges and creating a sustainable future. The programme encouraged students to adopt environmentally responsible practices and contribute towards climate resilience through innovation and engineering excellence.

The Department of Electrical and Electronics Engineering expresses its sincere gratitude to the resource person, management, faculty members, IEEE student branches, organisers, and participants for making the programme a grand success.

Coordinators

- Dr. R. Mohan Das
- Prof. Satishkumar D
- Prof. Vinod Kumar S
- Prof. Veena M. H

Convener

Dr. S. Sujitha
HoD – EEE

Organised By

Department of Electrical and Electronics Engineering
New Horizon College of Engineering, Bengaluru







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Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Kadubisanahalli, Bellary
Bangalore - 560103, Karnataka, India