

Third Regional Conclave of Students' Chapters

(Northern Region)

Innovations Shaping the Future: Exploring Emerging Trends In Engineering

Date: 16 March 2024

Venue: The NorthCap University, Gurugram, Haryana, India

Organised by

The Institution of Engineers (India)

Hosted by The NorthCap University

in Collaboration with

Haryana State Centre, IEI

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Faridabad Local Centre, IEI

The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has a membership strength of over 2.54 lacs. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over 100 years. In this period of time, it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organisation across the globe. IEI functions among professional engineers, academicians, and research workers. It provides a vast array of technical, professional, and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Camp; Technology, Government of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Camp; Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers (Aliance (IPEA). The Institution also awards the Professional Engineers (PE) Certification.

For details, please visit www.ieindia.org

About the University

For details, please visit https://www.ncuindia.edu



Objective

The field of engineering is undergoing fast transformations, driven by technological advancements and societal needs. This regional conclave aims to delve into the latest and most impactful emerging trends in engineering, exploring how these innovations are reshaping the landscape of various engineering disciplines.

The primary objective of this conclave is to bring together academicians, engineers, and industry professionals to share their insights, discoveries, and challenges related to the emerging trends in engineering. This conclave will provide a platform for participants to present and discuss their findings, fostering a collaborative environment for the exchange of ideas.

Theme of Conclave

Innovations Shaping the Future: Exploring Emerging Trends in Engineering

Sub-themes:

- Artificial intelligence and Machine Learning in Engineering
- Sustainable Energy Solutions
- Smart Infrastructure and Urban Development
- · Cyber Security and Blockchain in Engineering
- Robotics and exoskeletons
- Internet of Things
- Augmented Reality and Virtual Reality
- Website and App Development related to socially related to problem
- Semiconductors: VLSI design and technology

Technical Sessions

- Artificial intelligence and Machine Learning in Engineering
- Expert Lecture(s) related to theme/Sub-theme of conclave
- Paper presentations by students on theme/sub-themes of conclave
- · Model/Idea competition- Problem solving/Ideation in Engineering
- Mini Project competition- Application of knowledge and skill on particular field of study
- Technical Poster Presentation competition
- Techno Project Competition-Hardware and software co-design

Certificate of appreciation to all participants! Winners will be awarded with cash prizes!!

Important Dates

Undergraduate and Postgraduate students, research scholars, faculty members, industry professionals, IEI members and others are invited to contribute the posters/models/projects on the theme and sub-themes of the conclave.

Registration Opens : **08.02.2024** Registration Closes : **25.02.2024**

Registration is a must for participating the conclave , you are requested to register using the

link:- https://forms.gle/MfwvKHLDkbAnNbgR6



Scan to Register

Registration Fee

- · IEI Members Rs. 400 (Per Team)
- · Non IEI members Rs. 500 (Per Team)

ADVISORY COMMITTEE

Chairman: Dr G Ranganath, FIE, President, IEI

Co-Chairman: Prof (Dr) Chandrashekara S N, FIE, Chairman, AISC, IEI

PATRONS

Prof. Prem Vrat, Pro-Chancellor, The NorthCap University
Prof. Nupur Prakash, Vice Chancellor, The NorthCap University
Cmde. Diwakar Tomar (Retd.), Registrar, The NorthCap University

ADVISORS

Prof. Swaran Ahuja, Academic Advisor, The NorthCap University Prof. Manoj Gopaliya, Dean Academics, The NorthCap University

GENERAL CHAIRS

Prof. Sharda Vashisth, HoD MDE, The NorthCap University Prof. Rita Chhikara, HoD CSE, The NorthCap University

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- · Er Inderdeep Singh, FIE, Honorary Secretary, Faridabad Local Centre, IEI
- · Prof. Nitin Malik, Dy. Dean RDIL, The NorthCap University
- Prof. Anjali Gara, Director CDOE, The NorthCap University

ORGANISING COMMITTEE

Chairman: Er Rajeev Vasudeva, FIE, Chairman, Haryana State Centre, IEI Co-Chairman: Er Kuldip Raj Gupta, FIE, Chairman, Faridabad Centre, IEI

CONVENERS

Dr. Vandana Khanna, MIE, Associate Professor, The NorthCap University Dr. Yogita Gigras, Associate Professor, The NorthCap University

ORGANISING SECRETARY

Dr. Shaifali Ruhil, Assistant Professor, The NorthCap University Dr. Garima Sharma, Assistant Professor, The NorthCap University Dr. Satnam Singh, Associate Professor, The NorthCap University

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