BITS Pilani
Pilani | Dubai | Goa | Hyderabad | Mumbai
An Institution of Eminence

INTERNATIONAL CONFERENCE ON GREENER TECHNOLOGIES IN MECHANICAL ENGINEERING
(ICGTME-2025)
3-4 Feb, 2025
https://www.bits-pilani.ac.in/icgtme-2025

About BITS Pilani

Birla Institute of Technology and Science, BITS Pilani, is an all-India Institute for higher education. Founded with strong technical collaboration with MIT (USA) under the Ford Foundation Grant, BITS Pilani has evolved into India's leading institute of higher education, distinguished by its illustrious legacy, modern Campuses, and exceptional placement records. The institute's commitment to excellence, adherence to merit, transparency, innovation, and enterprise has been the hallmark of its journey. BITS Pilani has got Campuses in Dubai, Hyderabad, Goa and Mumbai in addition to Pilani. These expansions have solidified BITS Pilani's reputation as a premier educational institution.

The past six decades have been exceptional for BITS Pilani, marked by groundbreaking achievements in research, teaching, and fostering entrepreneurship. Some of the milestones and key achievements include:

- Institute of Eminence
- BITS BioCyTiH Foundation
- BITS-Technology Enabling Centres (TEC)
- Center for Research Excellence in Semiconductor Technologies (CREST)
- Center for Research Excellence in National Security (CRENS)
- BITS GATI (Gender Advancement for Transforming Institutions)
- SATHI Project Award

About Department of Mechanical Engineering

The Mechanical Engineering Department at BITS Pilani is spread across its four Campuses of Pilani, Dubai, Goa and Hyderabad. It offers undergraduate, postgraduate, and Ph.D. programs and focuses on theoretical learning and hands-on experience. Established as early as 1946, the department is known for research in fields like Design, Manufacturing, Thermo-fluids, Engineering Management, etc. Our students explore specialized areas such as Robotics, Mechatronics, Energy Management, 3D Printing, Battery Technology etc. and are trained in software tools like AutoCAD, CATIA, COMSOL Multiphysics, MATLAB, Fusion 360 etc. Faculty members are deeply involved in cutting-edge research, addressing both fundamental and applied problems, with strong links to industry. We aim to produce skilled graduates ready for impactful careers in industry, academia, and research. With a focus on critical thinking, innovation, and problem-solving, we contribute to technological advancements while addressing real-world challenges through innovative pedagogy.

About the Conference

BITS Pilani, an institution of eminence, is celebrating its 60th year of establishment and has been at the forefront of education, research and entrepreneurship globally. To commemorate BITS Pilani's diamond jubilee, the Mechanical Engineering Department at BITS Pilani is organizing an international conference with the core theme of *"Greening minds for a greener future"*. This conference aims to explore and foster innovative solutions that promote eco-friendly practices and technologies for a greener future. In this context, the convergence of thermal, design, manufacturing and industrial system engineering offers a powerful platform to drive sustainability. This conference will explore the role of mechanical engineering in driving sustainability and achieving the UN's Sustainable Development Goals (SDGs). This conference will gather thought leaders, industry experts, and academic researchers to share insights, exchange ideas and collaborate on pioneering solutions that will shape a sustainable and green future.

Publication Opportunities

Recommended abstracts from each presentation session will be invited for full paper submission after the conference. Submitted full length papers will be published in Scopus/SCI indexed journal (communicated with potential journals).

Keynote Speakers

1. Prof. Dr.-Ing. Stephan Kabelac, Leibniz University, Hannover, Germany
2. Prof. Perumal Nithiarasu, Swansea University, UK
3. Dr. Viswas V. Wadekar (Former Director), Aspen, France
4. Prof. Gao Naiping, Tongji University, Shanghai, China
5. Prof. Dr. Moghtada Mobedi, Shizuoka University, Japan
6. Prof. V. Vasudeva Rao, University of South Africa (UNISA), South Africa.

Important Dates

Call for papers	1st October, 2024
Last date for abstract submission	15th November, 2024
Acceptance of abstract	30th November, 2024
Commencement of Registration	30th November, 2024
Submission of camera-ready abstract	15th December, 2024

Registration Details

Registration fee can be paid through Bank transfer/Online. Access conference website https://www.bits-pilani.ac.in/icgtme-2025/ for registrations. Fee details are given as(inclusive of GST):

	Early bird*	Regular
Delegates from abroad	US $150	US $200
Accompanying person/Foreign student	US $100	US $150
Industry/R&D Organization	₹ 4,000	₹ 4,500
Academia	₹ 3,000	₹ 3,500
Accompanying person	₹ 1,500	₹ 2,000
Students/research scholars	₹ 1,500	₹ 2,000

*Early registration is allowed till 31st December, 2024

Sponsorship Opportunities

Private, semi-Government and Government organizations involved with manufacturing, construction, consultancy, R&D and other areas related to Mechanical Engineering are requested to sponsor, co-sponsor or support ICGTME-2025. Details of sponsorship are provided below.

	Diamond	Gold	Silver
Sponsorship amount (excluding GST *)	₹2 Lakh	₹1 Lakh	₹50, 000
Brochure insertion for delegates	✓	✓	✓
Complimentary registrations	3	2	1
Exhibition stall	✓	✓	--
Presentation slot	✓	✓	--
Banner at the venue	✓	✓	✓

*Sponsors to pay applicable GST directly to the Government

Names of organizations in any one of the above categories will appear in the conference website & proceedings and their contributions would be duly acknowledged & displayed at the conference venue. Additionally, they would have the freedom to display their products and services at the conference website and venue. Organizations willing to come forward and financially support ICGTME-2025 are requested to get in touch with the organizing chairs and/or conveners.

Themes and Core Ideas

- Track 1: Renewable Energy
- Track 2: Eco-centric Design Innovations
- Track 3: Sustainable Materials and Manufacturing Practices
- Track 4: Industrial Engineering for the Green Economy
- Track 5: Sustainable Advances and Innovations in Thermal Engineering
- Track 6: Collaborative Efforts and Policy Integration
- Track 7: Case Studies and Best Practices

innovate   achieve   lead

Conference Committee

Chief Patron: Prof. V. Ramgopal Rao, Vice-Chancellor, BITS Pilani

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Prof. Sudhirkumar Barai, Director, Pilani Campus
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Prof. Suman Kundu, Director, Goa Campus
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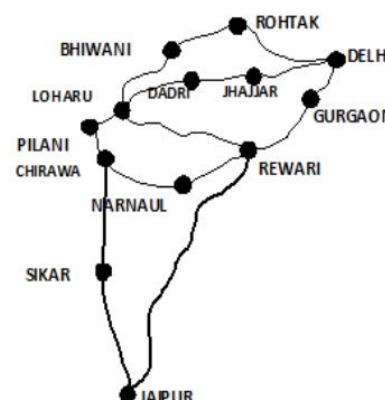
Sponsorship
Prof. Biswadip Shome, Pilani Campus
Prof. P. Srinivasan, Pilani Campus
Prof. Madhurjya Dev Choudhury, Pilani Campus

Location
Pilani can be reached either by road or by rail. Nearest railway stations are Chirawa on Western railway (16 Km) and Loharu on Northern railway (24 Km). There are regular bus services between Delhi and Pilani and Jaipur and Pilani. The buses leave Delhi from Inter- State Bus Terminal (ISBT) and Kashmiri gate. From Jaipur buses leave from Rajasthan State Roadways bus stand, Sindhi camp.

The Campus is very close to Pilani bus stand. If you are travelling by train from Delhi, you can also take a train from Sarai Rohilla Railway Station in New Delhi (DLI) to Loharu Station (LHU). Loharu is 26KM away from Pilani. Buses and jeeps are available from Loharu to Pilani. The BITS Pilani, Pilani Campus is very close to the Pilani bus stand.