



BITS Pilani
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An Institution of Eminence

2nd INTERNATIONAL CONFERENCE ON GREENER TECHNOLOGIES IN MECHANICAL ENGINEERING

(ICGTME-2027)

Intelligent Technologies for Sustainable and Greener Futures

5-6 March 2027 | <https://www.bits-pilani.ac.in/icgtme-2027/>

About the Conference

Following the successful organization of the inaugural International Conference on Greener Technologies in Mechanical Engineering (ICGTME) with the theme "Greening Mind for a Greener Future", held on 3-4 February 2025 at the Department of Mechanical Engineering, BITS Pilani, Pilani Campus. The second edition aims to further strengthen collaboration among academicians, researchers, industry professionals, policymakers, and students working towards sustainable engineering solutions. The conference provides a platform to discuss recent advances, emerging technologies, and innovative practices in thermal, design, manufacturing, materials, industrial, and allied engineering disciplines that promote environmental sustainability. It highlights the role of mechanical engineering in addressing global sustainability challenges and contributing to the achievement of the United Nations Sustainable Development Goals (SDGs). Through keynote lectures, technical sessions, and expert interactions, the conference seeks to foster knowledge exchange, interdisciplinary collaboration, and the development of innovative solutions for a sustainable future.

About the Host Institution

Birla Institute of Technology and Science Pilani (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.

About the Department

Established in 1946, the Department of Mechanical Engineering at BITS Pilani has built a strong reputation for excellence in engineering education, research, and innovation. The department offers undergraduate, postgraduate, and Ph.D. programs with a balanced focus on engineering fundamentals, hands-on learning, and industry-driven applications. Its academic and research activities span Design, Manufacturing, Materials Engineering, Thermal and Fluid Engineering, Energy Systems, and Supply Chain and Operations. The department also promotes interdisciplinary research in Smart Manufacturing, Robotics, Mechatronics, and Additive Manufacturing, fostering innovation across multiple engineering domains. It is actively advancing emerging areas such as Electric Mobility, Battery Technology, Hydrogen Energy, and Sustainable Engineering to address future technological and societal needs. Faculty members undertake cutting-edge research in collaboration with industry and leading research organizations, enabling students to work on real-world engineering challenges through interdisciplinary projects. With a strong focus on innovation, problem-solving, and technology development, the department prepares graduates to become skilled engineers, researchers, and entrepreneurs capable of driving the next generation of engineering solutions.

Publication Opportunities

Recommended abstracts from each presentation session will be invited for full paper submission after the conference. Submitted papers will be reviewed for publication in indexed proceedings.

Keynote Speakers

1. Prof.(Retd.) SG Deshmukh, Mechanical Department, IIT Delhi
2. Prof. (Dr.-Ing.) Markus Richter, Leibniz University Hannover
3. Prof. Andrea Vallati, Sapienza University of Rome

Important Dates

Initiation of abstract submission	01 October, 2026
Last date for abstract submission	15 December, 2026
Start of acceptance notification	01 November, 2026
Registration opens	10 November, 2026
Call for full paper	15 March, 2027

Registration Details

Registration fee can be paid through Bank transfer/Online. Access conference website <https://www.bits-pilani.ac.in/icgtme-2027/> for registrations. Fee details (inclusive of GST) are given as :

Category	Early Bird	Regular
Delegates (international)	US\$150	US\$200
Accompanying person (foreign)	US\$100	US\$150
Industry / R&D organization	₹ 6,000	₹ 6,500
Academia	₹ 4,500	₹ 5,000
Students / research scholars	₹ 2,500	₹ 3,000

*Early registration allowed until 07 February, 2027

**Additional ₹2,500 will be applicable for each accompanying person

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-2027. Details of sponsorship are provided below.

Benefit	Platinum	Diamond	Gold	Silver	Bronze
Sponsorship (Lakh)	4	3	2	1	0.5
Brochure insertion	✓	✓	✓	✓	✓
Complimentary registrations	5	4	3	2	1
Exhibition stall	✓	✓	✓	✓	–
Presentation slot	✓	✓	✓	–	–
Banner at venue	✓	✓	✓	✓	✓

*Sponsorship amount is exclusive of GST.

**Sponsors need 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-2027 are requested to get in touch with the organizing chairs and/or conveners.

Themes and Core Ideas

- Track 1: Sustainable Materials And Manufacturing
- Track 2: Green Tribology and Surface Engineering
- Track 3: Smart Manufacturing And Industry 5.0
- Track 4: Digital Twins, AI/ML & Cyber-Physical Systems
- Track 5: Renewable Energy & Energy Storage Technologies
- Track 6: Green Thermal Systems & HVAC Innovations
- Track 7: Sustainable Supply Chains & Industrial Systems
- Track 8: Technologies & Innovations for Sustainability
- Track 9: Carbon Neutral Technologies
- Track 10: Computational tools, Simulation and Optimization
- Track 11: Policies, Standards & Industrial Best Practices



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Contact

conference.me@pilani.bits-pilani.ac.in

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.



Website



Location