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Note

- For every twenty-five thousand sponsorship, Two participant from the sponsoring agency will be registered free in the conference
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**GLOBAL CONFERENCE ON
AERONAUTICAL, AEROSPACE
AND MECHANICAL SCIENCES
(GCAAMS-2024)**

26-27 APRIL 2024

Organised By

**Department of Aeronautical
Engineering**

&

Department of Mechanical Engineering

In Association With



Aeronautical Society Of India

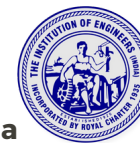
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ABOUT GAT

Global Academy of Technology (GAT), established in the year 2001, is one of the most sought-after engineering and management colleges in Bengaluru, Karnataka. Located in a sprawling campus of 10-acre land, GAT is a campus ideal for students to hone their academics in an atmosphere of optimism. GAT provides ample opportunities for various co-curricular and extra-curricular activities for the students. The campus brims with more than 3500 students and 300 experienced staff involved in effective Teaching and Learning Process. Academics is supplemented with mentoring, peer learning and counselling to ensure holistic development of students. GAT has academic alliances with various institutions, industries, and research organizations to provide industry perspective to the students.

ABOUT AERONAUTICAL DEPARTMENT

The Department of Aeronautical Engineering was established in the year 2020, affiliated to VTU, Belagavi, Karnataka, approved by AICTE. The department offers 4-year undergraduate programme, B.E. in Aeronautical Engineering. The department has a team of highly qualified, dedicated and motivated young and experienced faculties. The Department has laboratories catering to students, scholars and faculty members for their academic and research activities. The curriculum is designed to impart engineering knowledge in topics such as Aerodynamics, Aircraft structures, Propulsion, Flight dynamics & Controls and UAVs. Further provision exists to acquire additional engineering knowledge through electives. The department prepares the graduates to undertake design, analysis, experimental and research activities as their careers in aeronautical engineering. The institution is located very closer to many leading aeronautical industries (ISRO, NAL, HAL, ADA, ADE etc) and IT industries which will benefit the students in terms of collaboration.

ABOUT MECHANICAL DEPARTMENT

Mechanical Engineering is one of the broadest and the most versatile engineering profession finding its application in all fields of technology. The boost in the manufacturing sector has raised the demand for Mechanical Engineers exponentially. The uniqueness of the discipline incorporates skills and expertise in the areas of Design, Manufacturing, Mechanics and Thermal sciences besides inter-disciplinary subjects that are essential to most sectors of industry.

The educational objective of ME@GAT with intake of 60 students is to prepare students to successfully establish themselves in professional careers, innovate and exercise leadership in their positions to the benefit of society

ABOUT CONFERENCE

Global Conference on Aeronautical, Aerospace and Mechanical Sciences (GCAAMS-2024) is organised by the Department of Aeronautical Engineering and Mechanical Engineering of the Global Academy of Technology, Bangalore, Karnataka, India from 26-27 April 2024 (Two days). The conference will serve as an international forum for presenting and exchanging technological advances and research results in the broad fields of Aeronautical, Aerospace and Mechanical Engineering. The Conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. We warmly welcome prospective authors to submit their research papers to GCAAMS-2024 and share their latest research results and valuable experiences with other top scientists, engineers, and scholars from all over the world.

THEME OF CONFERENCE

Theme of the GCAAMS-2024 revolves around bringing Aeronautical, Aerospace, and Mechanical research areas synchronically on an individual platform. This Conference will draw collectively research fellowships from diverse fields in unitedness, to share their research findings and latest ideas. The main intention of this Conference is to integrate interdisciplinary inquiry to deliver the best applications. Attending this remarkable event will help participants sharpen their skills and refine their ideas as well as approaches by meeting with their peers and counterparts. They will also have the chance to meet experts and high-level delegates, along with sharing ideas and research findings from past and present. Participants can build new networks to meet different personalities and learn about the latest tools available.



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- UAVs and Drones
- Aerodynamics
- Propulsion
- Aircraft Structures
- Aerospace Materials
- Aero Elasticity
- Composite materials
- Aircraft Maintenance
- Aerospace Mechatronics and Avionics Systems
- Computational fluid dynamics
- Finite element methods/FEA
- Mechanical Engineering in Aerospace
- Aerospace Engineering and Management
- Air crash investigations
- Aviation and Airport management
- AI&ML in Aerospace Engineering
- Aircraft and Aerospace Communication, Navigation, Guidance and Control

MECHANICAL STREAM

- Materials and Manufacturing
- CAD/CAM/CAE
- Mechanisms and machine theory
- Physical, chemical and bio characterization of Materials
- Machine design
- Non-destructive techniques
- Automation and Mechatronics
- Material Engineering
- Corrosion & Tribology
- Heat and Mass Transfer
- Computational Mechanics
- Additive Manufacturing
- Dynamics and Vibration
- Manufacturing and Production Processes

SUBMISSION AND PUBLICATION

- Kindly visit: <https://gat.ac.in/gcaams/index> to view the submission deadlines.
- All the accepted and presented papers will be published in a peer reviewed SCI/WOS/Scopus indexed journal.

CONFERENCE REGISTRATION FEE

Author(s) / Registration	Price
Students (B. Tech and M. Tech)	:500 INR
Research Scholar/Academician/Practitioner	:1000INR
Attendees/listener	:300 INR
All foreign delegates	:70 USD

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