International Conference

on

COMPUTATIONAL

S

EXPERIMENTAL METHODS IN

MECHANICAL ENGINEERING (ICCEMME-2023)

09th - 11th February, 2023









Organized by:

Department of Mechanical Engineering

Academic Partner









Venue

Conference Preamble

Scientists invent entities within the existing world while engineers create a new world. For the creation of the new world, the virtually created facts must be validated through practical experimentation. In addition, the economic growth of a nation largely depends upon the development of new technologies and products that suit the ever-changing demands of consumers. The Engineers need to cope with the tremendous pressure created by ever-changing consumer requirements in the industry. Hence, there is a strong need for advanced techniques for computational and experimental analysis. Keeping in view aforesaid facts, the theme of the conference is planned as "International Conference on Computational and Experimental Methods in Mechanical Engineering (ICCEMME)"

ICCEMME-2023 will provide an insight into the recent research and cutting-edge technologies in" Mechanical Engineering and its allied branches", which gains immense interest with the exuberant presence of talented academicians, researchers, engineers, and other industry professionals

ICCEMME-2023 focuses on Numerical Techniques, Experimental Methodologies, the Internet of Things, Robotics, Automation, Artificial Intelligence, Machine Learning, Smart Innovations, Environment Protection, Smart Materials, Cloud computing, and Energy Conservation Management Systems.

About Conference

ICCEMME-2023 is an international forum to exchange research results and address issues in various aspects of Mechanical Engineering. The conference aims to foster relations between industry and academia by bridging the gap through quality research from both sides. A special provision for discussion among various disciplines involved in Mechanical Engineering is being arranged to present the concept of computational and experimental methods in Mechanical Engineering as an accomplished field of research.

About the Institute

GL Bajaj Institute of Technology and Management is one of the quality driven Educational Institute in the Greater Noida/Delhi-NCR Region. GL Bajaj stands out in its approach to assist and equip the students for their overall development, giving them a strong foundation for a successful future. The institute offers Courses for the award of degree of B.Tech, M.Tech, MBA and MCA.

This self financed institute is governed by Rajeev Memorial Academic Welfare Society (Registered Under Societies Registration Act 1860). It is approved by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Government of India and affiliated to Dr. A.P.J. Abdul Kalam Technical University, U.P., Lucknow.

Institute Vision

To be an institute of repute, providing professionally competent and socially sensitive engineers.

Institute Mission

- To equip with the latest technologies to be globally competitive professionals.
- To inculcate qualities of leadership, professionalism, corporate understanding and executive competence.
- To imbibe and enhance human values, ethics and morals in our students.

About Department

The Department of Mechanical Engineering at GL BAJAJ Institute of Technology & Management, Greater Noida was established in 2005. The department is NBA accreditated. The department offer 4 year B. Tech. Program in Mechanical Engineering. The department provides a strong foundation for the overall growth and development of the students by enriching them with technical, analytical, quantitative, reasoning, ethical & linguistic qualities. The department has a pool of well qualified and experienced faculty having backgrounds from IIT, NIT and other nationally and internationally recognized institutes in various research areas including Computational Fluid Dynamics, FEM, Rapid prototyping, Smart materials, Combustion etc.

As a part of B.Tech. curriculum, prescribed by AICTE, the department has Thermodynamics and Applied Thermodynamics lab, Fluid Mechanic lab, Dynamics of Machines lab, CAD/CAM lab, Material Science lab, Manufacturing Science and Technology lab, Heat & Mass Transfer lab, Measurement & Metrology lab, Fluid Machinery lab, Refrigeration & Air-conditioning lab, Automobile Engineering lab, Machine Design lab, Engineering Mechanics lab, Workshop Practice lab and Drawing Hall. For bridging the gap between industry and academia, the department had initiated Excellence Centre for the development of skills among the students. With this vision, Design Innovation Centre, Centre for Computer Integrated Manufacturing, Centre for Robotics & Automation and SAP Learning Hub is established.

Our students have been selected for UNESCO Delhi (Natural Science Project), Indo-German Exchange Program (Autosol) and Indo-Japan Exchange Program. Students also participated in various National Level Events such as Autodesk Design Challenge, SAE National Level Competitive Events, Go-Kart Championship and various design competition organized by IIT's & NIT's.

It is worth mentioning here that the Department of Mechenical Engineering GLBITM Gr. Noida is accredited by National Board of Accreditation (NBA).

Department Vision

To evolve as a department of repute, providing valuable resources for industrial and social needs of the nation

Department Mission

- To impart state of the art facilities in the area of Mechanical Engineering and provide skillful training to faculty, staff and students.
- To bridge the industry academia gap by providing domain specific knowledge that suits the industrial requirements.
- To create conducive environment for self-learning.
- To inculcate moral and social responsibility towards society.

Venue

GL Bajaj Institute of Technology & Management, Greater Noida Conference will be held in dual modes (online & in campus)*.



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Publications & Instructions for Authors/Presenters

The aim of ICCEMME-2023 is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in Mechanical Engineering. Please explore the conference website for more details, check important dates, and keep yourself updated as per changes.

Note:

 Submitted papers will be peer reviewed by experts. The papers accepted and presented successfully in ICCEMME-2023 will be proceeded for publication in various journals and proceedings. The papers will be submitted through easychair link as given below:

https://easychair.org/conferences/?conf=iccemme2023.

- 2. There is no specific format for paper submission in ICCEMME-2023 (Maximum 10 pages per manuscript). However, once the paper is accepted in conference and proceeded for publication, the author(s) will have to restructure the paper to meet all guidelines and standards of the journal. (For more details, you are requested to visit ICCEMME-2023 website: https://www.qlbitm.org/iccemme-2023/
- The organizing committee reserves the rights to decide the publication journal for papers accepted in ICCEMME-2023. The corresponding authors will be informed about the same.

Conference Theme

Authors are requested to send their original unpublished papers based on research work/field experience in the categories listed below: However, any other topic relevant to the theme of the conference shall be welcomed.

Track 1: Materials & Manufacturing

Track 2: Advanced Design

Track 3: Heat Transfer, and Fluid Mechanics

Track 4: Robotics, Automation & Mechatronics

Track 5: Sustainable Engineering & Automation

Track 6: Automobile & I C Engine

Track 7: Industrial Engineering

Track 8: Solar Energy

Track 9: Refrigeration and Air Conditioning

Track 10: Thermal Power Plants

Topics are not limited.

- Plagiarism is a criminal offence. It must be less than 20% or as per the Journal requirement.
- E-certificate will be provided to all participants and attendees of the conference.

IMPORTANT DATES

Full Paper Submission Starts
Full Paper Submission Ends
Last date for revised paper submission
Notification of Acceptance
Last Date for Registration
16 Aug, 2022
20 Oct, 2022
20 Dec, 2022
31 Jan, 2023

REGISTRATION FEE DETAILS

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Category of Authors/Delegates	ree	
Delegates from Foreign	USD	200
Delegates from Industry		5500/-
 Delegates from Academia/Research Scholar 		5000/-
PG / UG Students		4000/-
 Online Conference Attendees for Indian Delegate 		500/-
 Online Conference Attendees for Foreign Delegate 		20



Souvenir Publication

A souvenir will be published with messages of the reputed personalities. Further details and tariffs of Sponsorships, Exhibitions and Advertisements are given below.

Sponsorships and Exhibitions					
Packages	Tariff	Facility			
Diamond sponsorship of conference	₹ 1,50,000/-	Banner on the main entry Gate Display of 10 min. video during Inaugural Session. Five Delegates will be allowed to attend all Sessions of Conference. One full page advertisement.			
Golden sponsorship of conference	₹ 1,00,000/-	Banner on the main entry Gate Display of 5 min. video during Inaugural Session. Four Delegates will be allowed to attend all Sessions of Conference. One full page advertisement.			
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Sponsorship of any main theme of Conference and related Technical session	₹ 60,000/-	Banner during the session of the theme. Announcement during the Session Two Delegates will be allowed to attend all Sessions of Conference			
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Back Page Outer Side Full Page Advertisement	₹ 45,000/-	Coloured Full Page Advertisement will be published			
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Front Page Inner Side Full Page Advertisement	₹ 40,000/-	Coloured Full Page Advertisement will be published			
Full Page Advertisement Inside Souvenir	₹ 30,000/-	Coloured Full Page Advertisement will be published			
Half Page Advertisement Inside Souvenir	₹ 20,000/-	Coloured Half Page Advertisement will be published			

4th International Conference

on

Computational & Experimental Methods in Mechanical Engineering (ICCEMME-2023)

09th - 11th February, 2023

Registration Form

Full Name:				
Designation:				
Qualification:				
Affiliation:				
Category: Academicians Industry Research Scholars/Student				
Gender: Male Female Address:				
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Title of the Paper:				
Details of the Registration Fees:				
Mode of Payment: NEFT RTGS CASH DD				
Bank Name: Amount:				
Transaction/DD No Date				

Note: Payment to be made through Demand Draft/NEFT/RTGS in favour of "G.L. Bajaj Institute of Technology & Management" payable at Greater Noida. Please keep the printed details of fee receipt which will be submitted at the time of physical registration at conference venue.

Payment Details - RTGS/NEFT Transfer:

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numbers

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Mr. Avdhesh Tyagi
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Signature

PROCEEDINGS AND SPECIAL ISSUES OF PREVIOUS ICCEMME SERIES

3rd ICCEMME, February 2021

(a) Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, SAGE, Volume:236. (https://journals.sagepub.com/toc/pie/236/1)

(b) Journal of Engineering Research (JER), the Academic Publication Council of Kuwait University, Special Issue. (https://kuwaitjournals.org/jer/index.php/JER/issue/view/69)

(c) Materials Today: Proceedings, Elsevier, Volume: 47, Part 13.

(https://www.sciencedirect.com/journal/materials-today-proceedings/vol/47/part/P13)

(d) Smart Innovation, Systems and Technologies (SIST), Springer.

(https://link.springer.com/book/10.1007/978-981-16-2857-3)

(e) Lecture Notes in Mechanical Engineering (LNME) Design Edition, Springer.

(https://link.springer.com/book/10.1007/978-981-16-2900-6)

(f) Lecture Notes in Mechanical Engineering (LNME) Industrial & Production Edition, Springer. (https://link.springer.com/book/10.1007/978-981-16-3330-0)

(g) Lecture Notes in Mechanical Engineering (LNME)Thermal Edition, Springer.

(https://link.springer.com/book/10.1007/978-981-16-3428-4)

2nd ICCEMME, May 2019

- (a) Materials Today: Proceedings, Elsevier, Volume: 25, Part
- 4.(https://www.sciencedirect.com/journal/materials-today-proceedings/vol/25/part/P4)
- (b) IOP Conference Series: Materials Science and Engineering, IOP Science, Volume: 691. (https://iopscience.iop.org/issue/1757-899X/691/1)

1st ICCEMME, December 2017

(a) International Journal of Advanced Research in Science, and Engineering, (http://www.ijarse.com/currentissue.php?id=144)



^{*}Some special issue of SCIE/Scopus Indexed journals are in process

About New Delhi

New Delhi is the capital of India. It is situated in the north-central part of the country on the west bank of the Yamuna River. The city is popular for its enriched culture and heritage. The grand avenues and stately buildings of New Delhi are rich with history and culture. A symbol of the country's rich past and thriving present, it is a place that not only touches your pulse but even fastens it to a frenetic speed. Delhi is one of the most historic capitals in the world and two of its monuments - the Qutab Minar and the Humayun's Tomb, have been declared as World Heritage Sites. The Red Fort, India Gate, Jantar Mantar, Rashtrapati Bhawan, Akshardham Temple and the Lotus Temple are also great places to visit and give an idea of its multi-faceted culture. Delhi Tourism's major festivals-namely, the International Kite Festival, Magic Festival, Itra and Sugandhi Mela, Mango Festival, Dilli ke Pakwaan, and Garden Tourism Festival are becoming an integral part of Delhi's cultural heritage.

Other places near New Delhi

People think Agra is just for Taj Mahal. But, it is an enthusiast place having amazing sites. Agra was the capital of the great Akbar. Thus, there are a lot of architectural marvels to enjoy here that are related to Persian style. The iconic tourism destination is the world wonder, Taj Mahal.

Agra still has the colourful medieval look. The narrow lanes, modern era hustle and local amusement would attract the visitors. With fast trains, it is easier to visit Agra from Delhi. People usually visit Agra for a day or two to enjoy all the attractions. Starting from the local relishing cuisine to Indo-Persian architecture, there are a lot of adventures in this land.

Mathura and Vrindavan are also other places to visit as there is abundances of temples in these cities.

How to reach G.L. Bajaj Institute of Technology and Management, Greater Noida



Venue

SISG Auditorium

Academic Block-2
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