



13TH JULY, 2024

NATIONAL CONFERENCE

On

Design, Analysis and Optimization in Mechanical Engineering (DAOME)

**Organized by
The Institution of Engineers India
Vadodara Local Centre**



**Joint Organizer
Mechanical Engineering Department
Faculty of Technology & Engineering
The Maharaja Sayajirao University of Baroda**

At : Vadodara, Gujarat, India

ABOUT THE CONFERENCE

National Conference on the Design and Optimization in the field of Mechanical Engineering is the first step towards addressing and acknowledging the innovations by enthusiastic minds in the field of engineering. This would be a platform for those wanting to establish their ideas towards realm of better tomorrow. The participants would get an excellent opportunity to expand their knowledge and refine their ideas through presentations, panel discussions and interactions. The presence and involvement of eminent academicians, researchers and technocrats will be an not to be missed opportunity for innovators. The conference proceedings will be published with ISBN number and chosen exceptional papers would be suggested for renowned journals.

THEMES OF CONFERENCE

The following are the themes for the conference

- Materials design
- Fatigue fracture & Failure Analysis
- Design of manipulator & Mechanisms
- Tribology and Machine Dynamics
- Design Optimization
- Operation Methods
- CAD/CAM/CAE/AI & ML
- Analysis of Manufacturing Processes
- Design Analysis of Thermal and Fluid Systems
- Green Technologies

ABOUT THE INSTITUTION OF ENGINEERS INDIA

The Institution of Engineers (India) [IEI] is the largest multi-disciplinary professional body of engineers, established in 1920 with its Headquarters located in Kolkata and incorporated under [Royal Charter](#) on 9th September, 1935 by the then His Majesty of King George V. The Royal Charter endowed the Institution with the responsibility to promote the general advancement of engineering amongst its members and persons attached to the Institution. The Institution of Engineers (India) is administered by a National Council with the President as its Head.

The Institution has been serving the engineering fraternity for over a Century with its national and international presence through 125 Centres spread all over India, 6 Overseas Chapters, 7 Fora and an Organ namely Engineering Staff College of India (ESCI), Hyderabad. The Institution encompasses 15 (Fifteen) engineering disciplines with a corporate membership of over 2 lakhs.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering Institutes & Universities.

The Institution of Engineers (India) is the first professional body to represent India in several International Bodies, such as the World Mining Congress (WMC), the World Federation of Engineering organization (WFEO), the Commonwealth Engineers' Council (CEC), the Federation International du Beton (FIB), and the Federation of Engineering Institution of South and Central Asia (FEISCA). It also has bilateral agreement with a number of professional societies across the globe.

ABOUT THE INSTITUTION OF ENGINEERS INDIA VADODARA LOCAL CENTRE

The Institution of Engineers India, Vadodara local centre is situated Race course, Vadodara since more than 70 years. More than 2700 members of all the streams of engineering has been registered from the Vadodara Local Centre. The Vadodara local Centre is having "Vasvik Auditorium" with the seating capacity of 240 peoples. it is also having rest house facilities for the members of the institution of Engineers India. The Vadodara Local Centre not only organizes 12 statutory days every year, but also seminars and conference related to engineering streams for the updation of knowledge and information.

ABOUT THE UNIVERSITY

The Maharaja Sayajirao University of Baroda is one of the oldest centers of learning in western India founded by his highness Maharaja Sayajirao Gaekwad. Since its inception in 1949, The Maharaja Sayajirao University has made very noteworthy progress in the academic activity by way of establishing faculties, new department and a large number of new courses in various filed and has achieved its own height in the field of education at the national as well as international level.

ABOUT THE FACULTY

The Faculty of Technology and Engineering as it stand today formed along with the establishment of the Maharaja Sayajirao University in 1949 is an outgrowth of what was popularly known as the 'Kala Bhavan Technical Institute' (KBT) established in June 1890 by his late Highness The Maharaja Sayajirao Gaekwad III of Baroda state. The outstanding developments have been a result of constant efforts made by the stake holders. The reputed faculty members have profound influence by their expertise at the major national & international conference, seminars and refresher courses and help shape the future trends in technical education.

ABOUT THE MECHANICAL ENGINEERING DEPARTMENT

The department of Mechanical Engineering is one of the oldest departments in the Faculty. Over the years department has grown academically through technical, teaching and research work carried out at different level.

The department has undertaken a number of laboratory development programs for the up-graduation of existing laboratories. The department has been actively in association with the neighbouring industrial houses through active consultancy and extending its existing testing facilities. A centre of excellence has been established by Siemens for industrial automation to promote innovative learning in technical education. The UG course of Department is accredited by NBA under TIER1.

EXECUTIVE COMMITTEE MEMBER IEI VADODARA LOCAL CENTRE

Dr. Satishkumar K. Joshi, Chairman
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 Er. Nilesh G. Vithalani, Member
 Dr. Nikul K. Patel, Member
 Er. Sudhir J. Patel, Member
 Er. Satish Panchal, Member

REGISTRATION FEES

CATEGORY	FEES*
Research Scholars & PG Students	500/-
IEI Member	750/-
Academician	1000/-
Industry & Others	1500/-

*Including GST

Registration Fees include conference Kit, Working Lunch & Breakfast Only

IMPORTANT DATES

Full length paper submission deadline	31/05/2024
Notification of acceptance	08/06/2024
Submission of camera ready copy	15/06/2024
Registration deadline	29/06/2024



CONFERENCE SECRETARIAT

PATRON

Prof. (Dr.) Vijay Kumar Srivastava
 Hon'ble Vice-Chancellor
 Dr. Satishkumar K. Joshi
 Chairman - Vadodara Local Chapter

Co-PATRON

Prof. (Dr.) Dhanesh Patel, Dean
 Faculty of Technology and Engineering

CONFERENCE CHAIR

Dr. Piyush Gohil
 Head Mechanical Engineering Department
 Prof. (Dr.) D. S. Sharma
 Professor Mechanical Engineering Department
 Dr. J. M. Prajapati
 Asso. Professor Mechanical Engineering Department

CONVENER

Dr. Nikul Patel
 Member - IEI, Vadodara Local Chapter
 Dr. Mayur D. Kevat
 Member - IEI, Vadodara Local Chapter

ADVISORY COMMITTEE

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 Prof. K. M. Patel (Nirma Uni.)

ADDRESS FOR CORRESPONDENCE

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PAPER SUBMISSION GUIDLINE

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Design, Analysis and
Optimization in Mechanical
Engineering (DAOME)

REGISTRATION FORM

Name					
Designation					
Institution/Organization with Address					
Contact Address for Correspondence					
Contact Details					
Email ID					
Paper Details (Only for authors)		Title			
Details of Participations		Participating alone		Yes <input type="checkbox"/>	No <input type="checkbox"/>
		If No, no. of accompanying members		<input type="text"/>	
		Type of participation	Author <input type="checkbox"/>	Co-Author <input type="checkbox"/>	Attendee <input type="checkbox"/>
Details of Accompanying Members including Principal Applicant		Sr. No.	Name of participant	Gender	D.O.B.
		1.			
		2.			
		3.			
Bank Details		<u>For NEFT Or RTGS</u>			
		Account Name : The Institution of Engineers India, Vadodara			
		Bank Name : Bank of Baroda			
		Branch : Atmajyoti Branch			
		Account No. : 14790100005403			
		IFSC Code : BARBOATMAJY (Fifth Character is ZERO)			
		MICR Code : 390012022			
Payment Mode : Demand Draft					
Demand Draft in favour of “ <u>The Institution of Engineers India, Vadodara</u> ”. Payable at Vadodara, Gujarat.					
Bank Name :				DD/NEFT No. :	
Branch :				Date :	
Amount in Rs. :					
Date :		Name :		Sign. of Applicant :	
This is to certify that the details furnished above are correct to the best of my knowledge & we hereby recommend his / her participation in National Conference 2024.				Signature : (Head of the Institution with official seal)	