

2nd Call for Papers



INCOM 2024

2nd International Conference on Mechanical Engineering

5th - 6th January, 2024



JADAVPUR UNIVERSITY AND IT'S ACHIEVEMENTS

Jadavpur University is one of the oldest universities in the country that was established, under The National Council of Education, Bengal and functioning since 1906. It was the outcome of nationalist movement initiated by the intellectuals and thinkers of Bengal. The University consists of the Faculties of Engineering, Arts and Science along with a large number of Interdisciplinary Schools under Faculty of Interdisciplinary Studies, Law and Management. As per NIRF 2023 Ranking, Jadavpur University is ranked 4th in Universities, 19th in Research, 18th in Pharmacy, 10th in Engineering, and 13th in Overall Category.

JU-RANKINGS & ACCOLADES



Overall Category: 12th
University Category: 4th
Engineering Category: 11th
Research Category: 13th
Pharmacy Category: 18th



QS World University Rankings 2023
701-750



QS World University Rankings by Subject 2022

QS WR Arts and Humanities 2022: **401-450**
QS WR English Language & Literature 2022: **251-300**
QS WR Pharmacy & Pharmacology 2022: **251-300**
QS WR Chemical Engineering 2022: **351-400**
QS WR Chemistry 2022: **451-500**
QS WR in Mechanical Engineering 2022: **451-500**
QS WR in Physics & Astronomy 2022: **551-600**



World University Rankings 2022

801-1000th

Asia University Rankings 2022
251-300th

Engineering and Technology 2022
601-800
Physical Sciences 2022
801-1000
Emerging Economics 2022
251-300

About The Department of Mechanical Engineering

This is one of the oldest departments of the University that was established in 1906. Since inception this department offered undergraduate degree engineering course in Mechanical Engineering and later on introduced courses on post graduate and doctoral level. At present it is the largest department in the Faculty of Engineering. The department is actively engaged in various research projects of National importance, involving organizations like DRDO, BRNS, DST, ARDB, NSTL etc. Alumni of this century old institution are active in the highest level of academia and industries across the world. With wide range of global collaboration and recognition of reputed national/ international bodies of accreditation, the department is growing and attaining new heights of excellence every year.



Conference

2nd International Conference in Mechanical Engineering (INCOM2024) is going to be held in the Department of Mechanical Engineering, Jadavpur University, Kolkata, India on 5 – 6 January, 2024. The conference will provide a global platform for researchers, academicians, scientists, practicing engineers and industry professionals to showcase and deliberate about their research work, studies, contributions, developments and new concepts related to the field of Mechanical Engineering. The event will consist of keynote lectures in various themes by eminent personalities of respective domains, regular sessions of contributed papers and special sessions.

Call for Papers

Prospective authors are invited to submit original contributory works which are not under submission anywhere else. All papers will undergo blind peer review process and the criteria for acceptance will be based on quality, originality, technical content and relevance.

Publications:

All accepted and presented papers in the INCOM 2024 will be included in the conference proceedings (electronic and limited hard copy) with ISBN No. by JU Press. Selected papers will be communicated for publication as book chapter/special journal issue of reputed publishers (Springer or equivalent) Scopus indexed, subject to the review similar as **INCOM 2018**.

Paper Submission:

Authors need to submit their soft-copy of the full length manuscripts (4 pages in PDF format) shall be submitted via. the following Google form - <https://forms.gle/pjHYhqHn2DyBSEuy9> complying with the prescribed guidelines as per paper template available in the conference website. Submission of papers through email is strictly prohibited and will not be considered under any circumstances.

The conference will be held with the following major tracks:

- **Track 1: Thermo-Fluids**
- **Track 2: Applied Mechanics and Design**
- **Track 3: Production Engg. and Management**
- **Track 4: Material Science and Engineering**
- **Track 5: Mechatronics and Control**
- **Track 6: Energy, Energy Resources and Sustainability**
- **Track 7: Interdisciplinary and Emerging trends in Mechanical Engineering**

Papers are invited in all areas (core as well as interdisciplinary) relevant to Mechanical Engineering including but not limited to the following:

- Additive manufacturing
- Alternative Fuels
- Automation in manufacturing system, CAM, CAD-CAM, CIM
- Combustion and Pollution
- Composite Materials
- Computational Solid and Structural Mechanics
- Computer graphics
- Contact Mechanics
- Design and Analysis of Thermal Systems
- Dynamics and control
- Dynamics and Control of Thermal Systems and Processes
- Energy Conversion Technologies
- Engineering system design
- Ergonomics
- Experimental mechanics
- Experimental Methods in Solid and Structural Mechanics
- Failure analysis and case studies
- Fluid Mechanics
- Fluid structure interaction
- Fracture Mechanics
- Functionally graded composites and smart materials
- Heat Transfer
- Heat Transfer in Biological Systems
- Inelastic Behavior of Materials
- Internal Combustion Engines and Gas Turbines
- Kinematics and synthesis of mechanism
- Laser material processing
- Linear and Non-linear Vibration and Control
- Machine tools and cutting tools
- Machining- conventional, non-conventional
- Manufacturing Management/operations research
- Material Modeling and Characterization
- Mechanics of Advanced and Smart Materials
- Mechanics of Composite Materials
- Mechatronics, Control and robotics
- Metrology, Quality control
- Micro and Nano-scale Fluid Mechanics and
- Multi-body Dynamics
- Multiphase Flow and Heat Transfer
- Nano and micro Electro mechanical systems
- Nanomaterials and nano-manufacturing
- Non-linear Dynamics and Chaos
- Optimization problems
- Optimization, modeling and simulation of manufacturing processes and systems
- Phase Change Problems
- Powder metallurgy
- Pressure vessel design and modeling
- Product development and quality control
- Refrigeration and HVAC Systems
- Reliability and maintenance management
- Renewable Energy
- Robotics and automation
- Rotor Dynamics
- Solid Biomechanics
- Stability of Solids and Structures
- Stress and deformation analysis
- Surface engineering, tribology
- Sustainable and green manufacturing
- Thermal Hydraulics of Nuclear Systems
- Thermo-mechanical Behavior of Solids and Structures
- Traditional and nontraditional computational methods in design applications
- Transport Phenomena in Materials Processing
- Transport Phenomena in Nanofluids
- Transport phenomenon in porous media
- Tribology

Important Dates

Submission begins from:	4 th April 2023
Full length paper submission by(Extended upto):	31 st July 2023
Communication of review report by (Extended upto):	15 th August 2023
Revised paper submission by:	15 th September 2023
Registration by:	30 th September 2023
Conference dates:	5-6th January 2024

Registration Fees

The registration fees for different categories rate including 18% GST as applicable as follows:

Author Categories	Indian		Foreign	
	Early bird 30 th Sept'23	After	Early bird 30 th Sept'23	After
Student (UG/PG/PhD)	3000 INR	4000 INR	100 USD	150 USD
Academician	4000 INR	5000 INR	150 USD	200 USD
Industry Personnel	5000 INR	6000 INR	200 USD	250 USD
Attendee/Co-Author/Author of Two or more Paper	75% of respective category			

Contact

Contact us for any more query regarding any aspect of INCOM 2024

Please drop us a mail at: incom@jadavpuruniversity.in

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