

## REGISTRATION DETAILS

Industry/ Research organization: ₹ 8000/-

Academia (Faculty): ₹ 5000/-

Student/ Research Scholar: ₹ 4000/-

Participants / Co-Author/: ₹ 1000/

**Registration link**

## PAYMENT DETAILS

Payment to be made through online

Name: - **ARKA JAIN UNIVERSITY**

Bank Name :- **HDFC BANK, Chota- Gamharia**

A/c No. : - **50100459210580**

IFSC Code :- **HDFC0004801**

Processing fee for publication will be collected after the selection of paper

## ACCOMODATION

Accommodation will be provided to participants on request (payment to be made by participants).

No TA/DA will be provided

## PUBLICATION

All manuscript will be published in e-proceedings.

Selected papers will be published in peer reviewed SCI/SCOPUS

Indexed Journal.

## ADDRESS FOR COMMUNICATION

**Mr. Ashwini Kumar,**  
**Asst. Dean**

**DEPARTMENT OF ENGINEERING**  
**ARKA JAIN University,**  
**Jharkhand - 832108.**

TOLL FREE NUMBER

 **1800 - 1200 - 200**

 **0657-2220285**  **09973846391**

### Admission Office:

D-28, Danish Arcade, Opposite AsianInn Hotel, Dhatkidih,  
Jamshedpur -831001

### Campus Address:

Opposite Kerala Public School, Mohanpur, Gamharia, District  
Seraikela Kharsawan,  
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# ARKA JAIN University

Jharkhand (Jamshedpur)

**National Conference  
on**

**Recent Trends in Machine,  
Manufacturing, Modeling and  
Technology**  
in Association with



**NIT, JAMSHEDPUR**

**DATE: 23<sup>rd</sup> & 24<sup>th</sup> SEP 2022**

*Organized by*  
Department of Engineering  
School of Engineering and IT  
ARKA JAIN University, Jharkhand



## ABOUT JGI

JGI Group is an education provider and an entrepreneurship incubator in India. The Group successfully operates 85 educational institutions with 51,600 students and 6,450 employees engaged at the K-12, undergraduate and postgraduate levels spread across 64 campuses pan India. A leader in the education sector and a pioneer in the venture sector, JGI Group is constantly in search of new opportunities to expand its horizon.

## ABOUT ARKA JAIN UNIVERSITY

An academic institute ought to set its vision of high noted academic, intellectual and entrepreneurial development. ARKA JAIN University (AJU), Jamshedpur is committed to human development at all levels through education and entrepreneurship. It provides quality education thereby creating human assets for the nation and the globe as well. AJU is a premier private university of Jharkhand with a venerable legacy of the JGI group sprinting ahead for national acclamation for noted academic standards, diverse educational programs, distinguished faculties, varied co-curricular activities and state-of-the-art infrastructures. The University is on the way to sustain the acclaimed standards and best practices in higher education. It is committed to nation building and unflinching adherence to universal university human values. The sprawling university spreads across 25 acres of lush green land leaving no stone unturned in providing state-of-the-art facilities in various sectors including education, sports, entrepreneurship, research, and other academic ventures. The campus of the University is situated at Mohanpur, Gamharia, Dist: Seraikela – Kharsawan, 13 km from the steel city, Jamshedpur. The magnificence of the university lies in the enhancement of various courses with leaps and bounds. ARKA JAIN University aids each and every student inducted to any program, for higher education or career option. Its ever-evolving and open-minded system encourages students to achieve their expectations in the area of interest, thus, guiding them to become ethically sound individuals.

## ABOUT ENGINEERING & IT

AJU School of Engineering & Information Technology is established with an aim to provide quality education and entrepreneurship development. Our B.Tech program offers a variety of courses that involve theoretical and practical learning in equal measure. It is one of the most preferred courses by the students looking forward to mould their interest and ambition for lucrative career. This professional course has made developments & created numerous opportunities in the field of engineering and information Technology. The university is committed to provide excellent Academic curriculum, Laboratory facilities, Workshops, Seminars, Assignments, Industrial visits, and Opportunities for various Experiments, Research and Placement support.

## ABOUT THE CONFERENCE

The National Conference on “Recent Trends in Machine, Manufacturing, Modeling and Technology” is going to be organized by the Department of Engineering, School of Engineering & IT of ARKA JAIN University, Jharkhand. The conference topic is multifaceted which covers the recent advancement in many applications.

## CALL FOR PAPER

The Conference covers a broad range of topics on Research paper and article submissions are invited (but not limited) to the following topics Topics of Interest for submission include (but are not limited to):

- Advance Optimization and characterization techniques,
- Advances in Additive Manufacturing,
- Advances in Machine Tool Design,
- Advances in Materials Technology,
- Advances in Metal Cutting/Joining/Forming Technology
- Intelligence and Robotics,
- Automation and Smart Systems,
- CAD/CAM/CAE/Reverse Engineering,
- Cellular/sustainable/Green/Hybrid manufacturing,
- Coatings and Surface Engineering,
- Composite/Polymer/Bio-materials
- Computer aided inspection,
- Energy Engineering,
- Turbo machinery,
- Industry 4.0
- CAPP/SCM
- Product design and development
- Mechanical dynamics and vibration
- Micro and Nano Manufacturing
- Modeling, analysis, and simulation of manufacturing processes
- Nano Technology
- Plastic processing technology, Powder metallurgy and ceramic
- Precision Engineering
- Thermal Engineering
- Tribology
- Heat Treatment
- Solid fluid Interaction
- Solid mechanics
- Turbomachinery Design, Performance and Operation
- Thermodynamics, Heat Transfer, Cooling and Leakage
- Bio Mechanics
- Combustion and energy system
- Mechatronic
- Multi-scale computation
- MEMS
- Computational Fluid Dynamic

## GUIDELINES FOR PAPER SUBMISSION & PRESENTATION

- Paper should be original, unpublished and should not exceed eight pages.
- Author and Co-Author should register separately
- All papers are subject to scrutiny.
- At least one of the authors of the selected paper should present the paper in the conference.
- Paper should be in IEEE standard format ( Two column)
- All Abstract and Full paper (A4 page) should be submitted on <https://forms.gle/gyMdHVwQBt4v28B6>

## GUIDELINES FOR ABSTRACT SUBMISSION

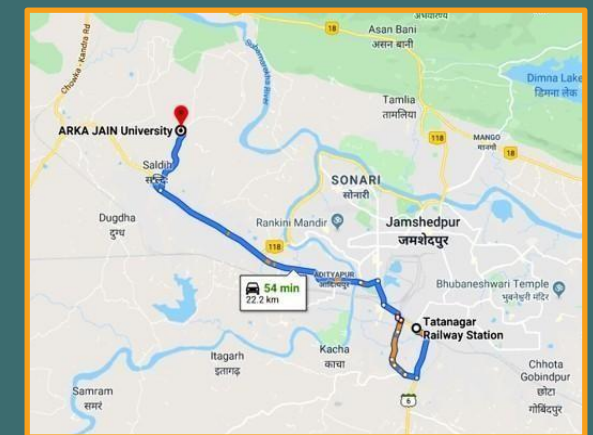
Abstract must be concise and factual, stating briefly the purpose of research. Authors are requested to adhere to the following:-

- Length : About 250 words, excluding title / References.
- Margin : 2.5 cm or 1 inch.
- Font : Times new roman, 12 point.
- Spacing : 1.5
- Title Page : Title, Author(s), Affiliation(s), contact details.
- Keywords : Four (Min.).

## IMPORTANT DATES

- Abstract Submission deadline 20 July 2022
- Acceptance of Abstract 25 July 2022
- Full Paper submission deadline 22 August 2022
- Last Date of Registration 31 August 2022

## GOOGLE MAP FOR ARKA JAIN UNIVERSITY



## DISTANCE FOR ARKA JAIN UNIVERSITY

TATA Nagar Railway station, Jamshedpur	19 KM
Mango Bus Stand, Jamshedpur	22.2 KM
Birsa Munda Airport, Ranchi	122 KM
Kolkata Airport	309 KM