♦ Track 4: Mechanical Engineering

- ♦ Industrial Automation Industry 4.0
- ♦ Additive Manufacturing (AM)
- ♦ 3D Printing Applications
- ♦ IoT in manufacturing activities
- ♦ Resource and Inventory management
- ♦ Factory asset management
- ♦ Manufacturing Supply Chain Management
- ♦ New avenues for engineers to design better
- ♦ Smart products
- ♦ Sustainable manufacturing
- ♦ Robotics in healthcare / medical industry /agriculture/defense.

Conference Highlights:-

To be eligible for inclusion in the Proceedings, at least one of the authors is required to register for the Conference. Submitted manuscripts will undergo a rigorous evaluation process to determine their suitability for publication in esteemed journals indexed in databases such as SCOPUS, Web of Science, or UGC CARE. Authors will be notified of the evaluation outcomes, and accepted papers will be published in reputable journals including:

- ♦ ***International Journal on Interactive Design and Manufacturing (IJIDeM) (ESCI IF:2.1)***
- ♦ ***Transactions of the Indian National Academy of Engineering (Springer Link)***
- ♦ ***Recent Patents on Mechanical Engineering (Scopus)***
- ♦ ***Royal Academia Publishing (TM)***

Registration Link :
https://kcetconference.khalsaengineering.co.in/

Important Dates

Paper Submission Starts : 1st January 2024
Paper Submission Ends : 20th March 2024
Acceptance of Paper : 25th March 2024

For Any Query Please Contact

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Registration Type	Fees
National Author/Participants	
Academician/Researcher	₹ 2000
Students	₹ 1000
Attendees	₹ 500
International Author/Participants	
Academician/Researcher	$ 150
Students	$ 100
Attendees	$ 50

Accommodation

Accommodation will be provided to the outstation participants on a payment basis at a minimal rate.

Keynote Speakers:

Prof.(Dr.)B.V. Ramana Reddy
Director, National Institute of Technology, Kurukshetra

Prof.(Dr.)Ajay Sharma
Director, National Institute of Technology, Delhi

Prof.(Dr.)Binod Kumar Kanojia
Director
Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Prof.(Dr.)Manoj Kumar
Vice Chancellor, DAV University, Jalandhar

Prof.(Dr.)Moin Uddin,
Distinguished Professor, Apeejay Stya University, Gurugram

Prof.(Dr.)Arvind Bhardwaj
Professor
Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Prof. (Dr.)Harsh K Verma
Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Prof.(Dr.)Geeta Sikka
Professor
National Institute of Technology, Delhi

Dr Sandeep Sood
Associate Professor
National Institute of Technology, Kurukshetra

Dr. Amardeep Singh,
Associate Professor
Changzhou Institute of Technology, Jiangsu, China

Dr Preetkanwal Singh Bains
Mechanical Design and Analysis Engineer
The Boeing, Seattle, USA.

Dr Akhlaqur Rahman
School of Industrial Automation
Melbourne Australia

Department of Science & Technology (SERB)

sponsored

International Conference

On

IoT Based Recent Trends in Engineering and its Applications (IBRTEA - 2024)

On

4th-5th April 2024

Organised by

Khalsa College of Engineering & Technology

(Governed by Khalsa College Charitable Society,Amritsar,(Estd.1892))

Accredited by NAAC With "A"Grade

C Block Ranjit Avenue, Amritsar (143001)
Website: www.kcet.co.in
Email ID: kcetamritsar@gmail.com

Conference Website:
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Khalsa College of Engineering & Technology Amritsar

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Dr.Amit Mahajan, Associate Professor

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Dr. Jasleen Kaur (HOD-CSE)

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Er. Sukhmeet Kaur, Assistant Professor
Er. Jasjeevan Singh, Assistant Professor

About Us

Established by the 130-year-old, legendary non-profitable, non-commercial Khalsa College Charitable Society with the avowed aim of "Welfare and well-being of all", Khalsa College of Engineering and Technology (accredited by NAAC Grade "A") is providing quality technical education to the youth of Punjab. The College is endowed with state-of-the-art infrastructure, well-equipped labs with the latest software, instruments, and machines, and highly qualified and committed faculty. Every day at this institution is a day of discovery and innovation as we encourage creativity in young minds.

About The Conference

IBRTEA-2024 sponsored by SERB is being organized from the 4th -5th of April 2024 at Khalsa College of Engineering and Technology, Amritsar. In recent years, Internet of Things [IoT] technology envisions developing a hyper-connected world, where intelligent systems can communicate and control each other to deliver highly diversified services and applications to users. The primary motivation of IBRTEA-2024 is to deliver state-of-the-art research insights on the Internet of Things [IoT] paradigm to access, manage, and control the objects/things/people working under various information systems and deployed under a wide range of applications like smart cities, health care, industries, smart homes, etc. The conference aims to showcase the ongoing research work in IoT Systems and is on the verge of transforming the current static Internet into a fully integrated Future Internet.

Conference Tracks

Track 1: Computer Sciences and AIML

- Big Data as a Service (BDaaS) Platform and Technologies.
- Data Science and Scalable Computing
- Multi-Modal Perceptual Big Data Analysis
- Machine Learning on Big Data
- AI and Machine Learning for the IoT
- Block Chain and AI for supply chain management
- Cloud Computing Security
- Role of Human-Computer Interface
- Network Traffic Analysis and Trace-back
- Computer Aided Diagnostics
- AIML for Data Analysis in Healthcare
- Cloud Architectures for Healthcare

Track 2: Electronics & Communications

- Green IoT
- Sustainable Design and Technologies
- Internet of Educational Things (IOET)
- Voice-Enabled IoT Applications
- Communication and Networking Technologies using IoT
- Real-time Systems using IoT
- 6G Enabled IoT
- Sensor networks using IoT
- IoT-Based Solutions for Smart Cities
- Communication Security using IoT
- IoT Biosensors and Bio-actuators
- Health Data Collection,
- Transmission, and Storage in IoT.

Track 3: Civil Engineering

- Real-Time Site Management with AI
- Monitoring Construction Site with IoT
- Building Energy Management Systems Using IoT
- Seamless Project Safety Platform with AI
- IoT-enabled Smart Water Management Systems
- Intelligent Traffic Management Systems
- IoT for Soil Analysis in Construction Projects
- Urban Storm Water management practices with AI
- IoT and AI-based Smart Cities
- Energy Efficient Green Building Design With AI.

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