



**PANIPAT INSTITUTE OF
ENGINEERING & TECHNOLOGY**

(Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)

1st INTERNATIONAL CONFERENCE
ON

**FUTURISTIC COMPUTATION
TECHNIQUES: APPROACHES,
IMPLEMENTATIONS and
APPLICATIONS (ICFCT-2022)
(HYBRID MODE)**



16th-17th December, 2022

Organised by

**Department of Computer Applications,
PIET, Panipat, Haryana**



About the Institute

Panipat Institute of Engineering & Technology (PIET) was established by the Vidhyapeeth Education Trust and Located in the National Capital Region (NCR). The founders have a clear vision to provide world class education and to promote research. Among some of the best Engineering Institutes in NCR, PIET stands out as a clear leader. A multidisciplinary institute affiliated to Kurukshetra University, Kurukshetra and approved by AICTE, New Delhi. PIET strives to encourage and make the budding scholars into skilled professionals through its various programmes e.g. Diploma, Undergraduate and Postgraduate programmes in different disciplines. PIET has consistently pushed the bar of excellence to garner a niche for itself amongst the top Institutes in Delhi/NCR in just a few years by being prudent and dedicated towards its aim of life ennobling engineering education. Due to the emerging scenario of entrepreneurship, PIET has launched its start up and incubation center as well as entrepreneur development cell. PIET is one of only 49 Institutions in the country to have been awarded with a grant of 55 Lacs by AICTE for setting up the Idea Lab. The institute provides complete infrastructure for effective functioning of the Training & Placement Cell. Training activities are organized throughout the year in an effort towards preparing the prospective students for the campus selection program.

★★★★★
PIET is awarded with
5-Star rating by
MHRD Innovation cell
and AICTE.
(October' 2020)

🏆
Awarded with Best Institute for
Innovation and Start-up
Entrepreneurship by Asia Today
(April' 2021)


PIET is the only institute
in Haryana to establish
AICTE IDEA LAB

About the Department

Department of Computer Applications was established with an objective to nurture eminent computer professional who could efficiently manage worldwide growing industries. The programme is premeditated to aid students formalize ideas and gaze at them logically. A combination of rigorous research-based curriculum with an emphasis on real-life applications and the experiential knowledge pushes students to discover practical business solutions using the modus operandi that develop in and outside classroom during course duration

About the Conference

Conference will provide an opportunity for practitioners and educators of engineering and industrial fields to exchange research ideas, models of best practice and innovative ideas. The conference will focus on Computational technologies that are changing speedily due to their rapid development and gigantic demand for computational power for a wide range of applications. To revolutionize futuristic science and technology, computational power will play a vital role. This conference focuses on futuristic computational technology and its approaches, implementations, and Applications. Futuristic computational techniques can be the result of a hybrid of basic computational techniques. The objective of this conference is to offer opportunities for the diverse areas delegates to trade new ideas and application experiences face to face and to create a business or research relations. Applications of computational techniques can be in areas like healthcare, education, image processing, Artificial Intelligence, and robotics, etc.

Scope of The Conference

To receive feedback from experts on early versions of our research work. It provides us a platform to talk about preliminary results from our most recent work, and the feed back can help us anticipate reviewers' comments before we try to get it published.

- To get to know and build connections with other people in our field of study through networking.
- To know and find out about the very latest findings in our field of work before they are published in journals is a privilege.
- To be able to rehearse and deliver your presentation based on your best contributions, skills, and expertise.
- We have an opportunity to meet other academicians with similar interests to ours and even make some real time and long-term friends.
- To be able to listen to and meet industry experts, academicians, and budding research scholars can be both inspiring and educational.
- To demonstrate to potential employers or grant-awarding bodies that we are involved in our field and a reactively involved in communicating with other academically significant tasks



CALL FOR PAPERS

The Conference invites papers on the following themes but not limited to following:

Machine Learning

- Rudiments of ML
- Cognitive and Biologically Inspired Vision
- Data Privacy and Security in ML
- Cognitive and Biologically Inspired Vision
- Understanding and Building Generative Adversarial
- Networks(GANs)
- ML in health care
- ML in Industry automation
- ML in fighting COVID 19
- AI-based Decision Support System
- ML in agriculture Data Science
- Fraud and Risk Detection.
- Web mining, Text Mining

Cloud Computing and Network Security

- Network Performance Analysis
- Cloud Sourcing Social intelligence
- Cloud Cryptography
- Cloud Computing Vs Wireless N/w Economics
- Optical Communication
- Data Privacy, Cryptanalysis
- Applied Cryptography

Internet of Things

- IoT Framework
- IoT Business Model
- Protocols in IoT
- Threats, attacks and network vulnerability in IoT
- Rudiments of security and privacy aspects in IoT
- Networks

Artificial Intelligence

- Intelligent Systems for Sports and Leisure
- Fuzzy Logic
- Fuzzy Interpolative Methodologies
- Deep Learning
- Adaptive Learning
- Speech Recognition and Synthesis
- Sentiment Analysis
- Expert Systems
- Pattern Recognition
- Natural Language Processing
- Evolutionary Computation
- Probabilistic Reasoning

Intelligent Embedded Systems

- Special purpose hardware to support deep learning in
- Embedded architectures
- Edge computing for smart embedded systems:
- Hardware and software aspects
- Design methodologies and platforms for wearable
- Computing
- Smart Healthcare
- Intelligent Transportation
- Ambient Assisted Living
- Efficient data processing and management in IoT
- Energy efficiency and resource management in IoT
- Heterogeneity and interoperability in IoT
- Advancements in monitoring and accountability in IoT

Augmented Reality and Virtual Reality

- Business
- Gaming
- Marketing and Entertainment
- Healthcare
- Education
- Social Media
- Manufacturing
- Finance and Retail

Data Science

- Fraud and Risk Detection Healthcare
- Internet Search Targeted Advertising
- Website Recommendations Advanced Image Recognition Speech Recognition
- Airline Route Planning
- Data Science in Healthcare

Inter-disciplinary

- Evolutionary Algorithms
- Optimization Techniques
- Quantum Analysis
- Computational Techniques
- Plasma Physics
- Nano Technology
- Quantum Computing
- Smart Aero Space Technology
- SDN
- Distributed computing
- Applied mathematics in computing

ICFCT-2022 Organizing Committee

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Shri Rakesh Tayal (Vice Chairman)
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Shri Shubham Tayal (Member, B.O.G.)

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Ms. Rashmi Makkar, Panipat Institute of Engineering & Technology, Panipat

Keynote Speakers

Dr. Anindya Nag, Technische Universität Dresden, Germany
Dr. Ravi Kumar, Universiti Teknologi Brunei, Brunei
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Prof.(Dr.) Jitender Chhabra, NIT Kurukshetra, India

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Important Dates and Registration Fees

Delegates	Early Bird Registration Fee (INR)	Late Registration (INR)
Foreign Delegates	2500/-	3000/-
Industry Expert	2000/-	2500/-
Faculty	1500/-	2000/-
Research Scholar /Student(UG/PG)	1000/-	1200/-
Student	500/-	700/-
Participant (without Paper)	500/-	500/-

Abstract Submission Deadline for review	05th October, 2022
Paper Submission Deadline for review	15th October, 2022
Notification of Acceptance	20th November, 2022
Camera Ready Paper with Registration Fee Submission	30th November, 2022
Conference Date	16th-17th December, 2022

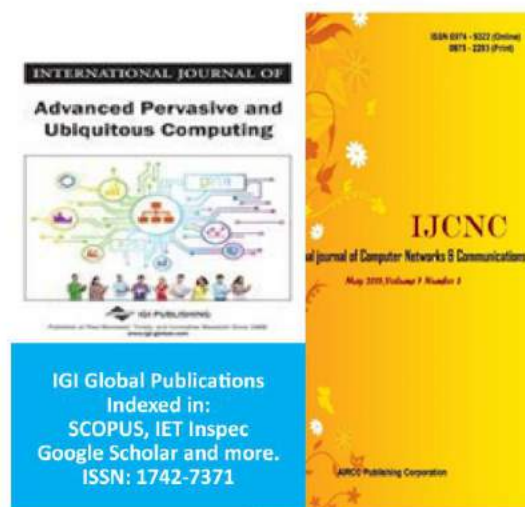
Account Details

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY
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Submission Guidelines:

- Papers must use the IEEE conference format, maximum page length 6 to 8 pages. For reference: <https://www.ieee.org/conferences/publishing/templates.html>
- Submit your Abstract at <https://forms.gle/yMX22B8ZUhqivsS9> for ICFCT-2022.
- All the conference papers will be published in the form of a conference proceeding book with an ISBN number from a reputed publisher, the extended version of the selected papers will be published in SCOPUS indexed and UGC CARE journals, the additional publication charges will be borne by the respective authors.

Journal Publications



- The additional cost of publication in journals is to be born by author(s), if any.
- The papers submitted for the conference will be peer reviewed. Best paper of each track will be awarded during the conference with the title of **BEST PAPER AWARD.**
- Overall best paper will be awarded with cash prize.