

3rd International Conference

on
**Advanced Computing
Technologies & Applications**

**ICACTA
2024**

**12th & 13th
APRIL
2024**

Organized By -

**Faculty of Computer
Applications**

CAMPUS: Invertis Village,
Highway NH-24, Bareilly, U.P. -243123
Ph.: +91(0581) 2460442, 2460443, 3501350

Jointly Organised By:



**Centre for Global Business Studies
Howard University
Washington, DC, USA**

ICACTA
2024

ABOUT THE UNIVERSITY

Invertis is a leading University offering a wide range of courses pertaining to different fields of studies. Established in the year 1998, Invertis has grown immensely and today it stands as a full-fledged University with 9 different institutes under its umbrella. Invertis is a delightful destination for the students not only in terms of acquiring academic prowess but also for holistic development and studying in a world class learning environment. The teaching methodology adopted by Invertis is based on learning beyond academics which ensures all-round development of the students through warmth from the faculty, guidance from the management and direction for the life ahead through career shaping. We offer a range of Doctoral, Post Graduate & Under Graduate programmes in Management, Law, Commerce, Computer Applications, Pharmacy, Education, Journalism & Mass Communication, Bio-Science & Technology, Science, Fashion Design and Engineering & Technology. At Invertis, we believe that the success of a teacher comes along with the achievements of a student. To ensure that our students succeed, we make sure that they get the very best, that's why our faculty comes from premier institutes like IITs, IIMs & NITs. Invertis pioneered the concept of holistic development, an approach of more than just text book studying and an all-round approach of learning. "Technology is best when it brings people together".

ABOUT THE CONFERENCE

It gives us immense pleasure to announce that Department of Computer Applications, Invertis University, Bareilly, Uttar Pradesh, India, is organizing an International conference on "*Advanced Computing Technologies & Applications*" (ICACTA 2024) on 12th and 13th April, 2024.

We would like to invite research papers based on original work from researchers, academicians, corporate leaders and students to gather and discuss the latest changes in the field of computing. The present era is going to change the scenario of the world in the time to come. During the last two decades, the major changes that have taken place in the field of computing have brought revolution in the work and life management of people. It has developed enormous job opportunities in the country and abroad. The applications of technologies like Cloud Computing, Parallel Computing, Big Data, Machine Learning and Soft Computing etc. are increasing day by day, which is changing the entire horizon of computing applications. The conference will be highlighting new opportunities in research and development of advanced computing technologies. The objective of this International e-conference is to facilitate the sharing of research based knowledge.

Computer applications education in India has emerged as a significant and integral discipline across industries, government sectors, and educational institutions. With the rapid growth of the IT industry, its importance has further amplified.

Invertis University's Department of Computer Applications offers a range of undergraduate, postgraduate, and doctoral programs aimed at cultivating proficient professionals capable of navigating modern technologies. These programs cover diverse topics including programming languages, software engineering, computer networks, database systems, and more.

The department boasts experienced faculty members with diverse research interests, supported by well-equipped laboratories housing various software packages for hands-on learning. Students also benefit from internship opportunities, industry collaborations, and participation in conferences and workshops to stay abreast of the latest advancements in the field.

ABOUT THE DEPARTMENT

"There is no innovation and creativity without failure. Period." – Brene Brown

CONFERENCE TRACKS

The Conference invites extended abstract in any of the following domains :

Technology Trends

- Internet of Things
- Blockchain
- Cyber-Physical Systems
- Big Data
- Smart Cities
- Machine to Machine
- Data Analytics
- Mobile Applications
- Digital Transformation
- Social Computing

Computing

- Quantum Computing
- High Performance Computing
- Distributed and parallel systems
- Cognitive Computing
- Cloud Computing
- Grid Computing
- Embedded Computing
- Scalable Computing
- Human-centred Computing
- Mobile computing

Artificial Intelligence

- Deep Learning
- Neural Networks
- Fuzzy Logic
- Expert Systems
- Agents and Multi-agent Systems
- Natural Language Processing
- Data Mining
- Computational Optimization
- Robotics
- Sentiment Analysis

Machine Vision

- Human Computer Interaction
- Computer Vision
- Image Processing
- Brain-Machine Interface
- Geographic Information Systems
- Video Analysis
- Medical Diagnosis
- Segmentation Techniques
- Augmented Reality
- Virtual Reality

Security

- Privacy
- Surveillance
- Biometrics
- Internet Security
- Intrusion Detection
- Web Services and Performance
- Secure Transactions
- Cryptography
- Secure Protocols
- Cyber Security

Communication

- Connected Machines
- Networking
- Wireless/ Mobile Communication
- Signal Processing
- Satellite Communication Systems
- 4G/5G Network Evolutions
- Mobile Adhoc Networks
- Open Spectrum Solutions
- Communication Protocols
- Cognitive Radio

Ambient Intelligence

- Smart Cities
- Smart Grids and Energy Networks
- Sensing and Sensor Networks
- Ambient Assisted Living
- Smart Healthcare
- Intelligent Transportation
- Data Science
- Affective computing
- Agents and Multi-agent Systems
- Context-aware pervasive systems

e-Learning

- e-Learning Tools
- Mobile Learning
- e-Learning Organisational Issues
- Gamification
- Collaborative Learning
- Curriculum Content Design
- Educational Systems Design
- Virtual Learning Environments
- Web-based Learning
- Delivery Systems and Environments

Patron



Dr. Umesh Gautam
Chancellor



Mr. Parth Gautam
Executive Director

Chief Guests



Prof. Manoj Mishra
IIT, Roorkee



Dr. Gaurav Tripathi
Senior Scientist, Bharat Electronics Limited



Dr. Sarsij Tripathi
Associate Professor, MNNIT
Allahabad



Mr. Ankur Goel
Adobe, Delhi



Dr. C. Matt Graham
University of Maine

Guest of Honor

Keynote Speakers

Advisory Board



Prof. YDS Arya
Invertis University,
Bareilly



Prof. Narendra Rustagi
Director, Centre for Global Business Studies
Howard University, USA



Mr. Santosh Kumar
Invertis University,
Bareilly



Prof. Manish Gupta
Invertis University,
Bareilly



Prof. R.K. Shukla
Invertis University,
Bareilly



Dr. Jitendra Nath Shrivastava
Invertis University,
Bareilly



Dr. Archana Saxena
Invertis University,
Bareilly

Technical Committee



Prof. Zubair Khan
Saudi Arabia University,
Saudi Arabia



Prof. Ravi Shankar Shukla
Saudi Electric University,
Saudi Arabia



Dr. Ajay Indian
Central University, Rajasthan



Dr. Krishna Kumar
GKV, Haridwar



Dr. Danish Ather
Amity University, Tashkent,
Uzbekistan

Director Conference



Dr. Arvind Kumar Shukla
Invertis University

ICACTA
2024

CALL FOR ABSTRACT

Participants are requested to submit an article, research paper on any of the Subthemes. Above identified issues/sub-themes are only illustrative. Participants may select related topics covered under the main theme.

- Paper should be in standard IEEE format including the name of the author (s) with e-mail id and institution name written at the top.
- Best five research papers will be published in the Invertis Journal of Science and Technology (IJST). For further information you may visit our University website.
- The research paper must be submitted through the following link only:

<https://forms.gle/2Y9mYXny3RNSyyng7>

Important Dates

Abstraction Submission Last Date : 02nd April, 2024
Abstraction Acceptance Notification : 06th April, 2024
Full Length Paper : 08th April, 2024
Registration : Till 10th April, 2024

Registration Fee

Category	Registration Fee (INR)
Industry Participants	1500
Academician	1000
Research Scholars	500
Students	300

Bank Name : HDFC BANK LTD
A/C HOLDER NAME : INVERTIS UNIVERSITY
ACCOUNT NO: 8601450000752
IFSC CODE : HDFC0000860
ADDRESS : NEAR MOHINI HOSPITAL, PRIYADARSHINI NAGAR, BAREILLY

Organizing Committee

- Ms. Shivangi Ghildiyal
- Mr. Kuldeep Singh Rana
- Ms. Smriti
- Ms. Divya Singh
- Mr. Kushal Johari
- Ms. Pratha Saxena
- Mr. Rahul Mishra
- Mr. Ramkrishna Bhagat
- Mr. Saurabh Kumar
- Ms. Jyoti Ratna
- Ms. Megha Saxena
- Ms. Geetanjali Rautela
- Ms. Navnika Kapoor
- Ms. Depaali Mishra
- Mr. Aman Singh



Mohammed Shakeel
shakeel@invertis.org
+91-80779 18142
Convener



Mr. Deepak Kumar Pathak
deepak.p@invertis.org
+91-72170 11344
Co-Convener



Dr. Siddharth Pandey
siddharth.p@invertis.org
+91-89793 02777
Organizing Secretary