



PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

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



IRCET2021



November 19-20, 2021



AUTOMATION



ARTIFICIAL
INTELLIGENCE

MACHIN
LEARNIN

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INTERNATIONAL CONFERENCE ON INNOVATION, RESEARCH AND CHALLENGES IN EMERGING TECHNOLOGIES

Organized by
Department of Information Technology and
Department of Electronics & Communications Engineering,
Panipat Institute of Engineering and Technology,
Samalkha, Panipat, Haryana, India.

PUBLICATION PARTNERS:

INTERNATIONAL JOURNAL OF
INFORMATION TECHNOLOGY – BJIT



CHALLENGES AND OPPORTUNITIES
FOR DEEP LEARNING APPLICATIONS
IN INDUSTRY 4.0



INTERNATIONAL JOURNAL OF
KNOWLEDGE BASED
ORGANIZATION



It is planned to publish the proceedings with Springer in their Communications in Computer and Information Science series.

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.



ABOUT THE CONFERENCE

The International Conference on Innovations, Research and Emerging Technologies is scheduled to be held on November 19-20, 2021 at Panipat Institute of Engineering and Technology, Panipat, India. IRCET-2021 will create a global platform for researchers, scientists, academicians, policymakers, and industry experts to share experiences, discuss research findings and acquire desired knowledge in the subject from around the world with many networking opportunities. The conference will consist of plenary, session presentations and discussions on various aspects of emerging technologies, including artificial intelligence, machine learning, deep learning, data science, data analytics, virtual reality, augmented reality, blockchain, internet of things, cybersecurity, cryptography and privacy, cryptocurrencies, industry automation, telecommunications, surveillance technologies, neuroscience, military technologies image processing etc. Authors from around the globe are invited to submit their research papers. All submissions will be peer-reviewed by experts in relevant fields on technical innovation and novelty. Eligible research papers will be considered for publication in the conference proceedings depending on their importance, originality, quality, relevance and other editorial considerations. Extended versions of selected papers will be considered for publication in high quality international journals, books indexed by SCOPUS and listed in UGC CARE. It is planned to publish the proceedings with Springer in CCIS series.

CALL FOR PAPERS

The authors are invited to submit their original, unpublished, research contribution which is not currently under review by any other conference or journal and addressing state-of-the-art research work in all areas of emerging technologies and various associated domains. Accepted papers will be scheduled for presentation at the conference and will be published in conference proceedings. Extended versions of selected papers will be considered for publication in SCOPUS Indexed and UGC CARE Listed Journals and Book(s). The proceedings of the conference is planned to be published in CCIS series (Springer).

CONFERENCE TRACKS

AI and MACHINE LEARNING

- Rudiments of AI & ML
- Recent Trends in AI & ML
- Data Privacy and Security in AI & ML
- Intelligent Systems for Industry 4.0
- Fuzzy Logic
- Adaptive Learning
- Generative Adversarial Networks(GANs)
- Expert Systems
- ML Applications in Health Care, Industry Automation,Agriculture, Financial and Retail Sector

DATA SCIENCE

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

INTERNET OF THINGS

- IoT Framework and Protocols
- IoT Business Model
- Rudiments of Security and Privacy Aspects in IoT
- 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

CLOUD COMPUTING & NETWORK SECURITY

- Cloud Sourcing and Social intelligence
- Cloud Cryptography
- Cloud Computing & Wireless N/w Economics
- Cloud Computing for Smart Systems
- Hybrid Cloud Computing
- Cloud Security
- Security in E-governance
- Virtualization
- Convergence of Big Data and Cloud Computing
- Deep learning and Machine learning for Cloud

DEEP LEARNING and ANNs

- Neural Networks
- Natural Language Processing
- Computer Vision
- Pattern Recognition
- Speech Recognition
- Sentiment Analysis
- AI Assistants
- Image Retrieval
- Generative Models
- Challenges and Applications of Deep Learning

MISCELLANEOUS

- Evolutionary Algorithms
- Optimization Techniques
- Soft Computing
- Signal and Image Processing
- Optical and Wireless Communication
- Mobile Adhoc Networks
- Embedded Systems
- Quantum Computing
- 5G and Beyond Wireless Systems
- Augmented Reality and Virtual Reality
- Gaming

PAPER SUBMISSION GUIDELINES

- Soft copy (MS-Word) of full paper is required to be submitted as per Springer format : <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>
- Similarity index must not be more than 15% in a paper.
- Papers must not have been published elsewhere and must not be under review anywhere else.
- IRCET-2021 TPC will look for all ethical standards, however the author(s) will be responsible for any further plagiarism claims.
- Name and affiliation of the authors must be included in the paper.
- Submit your paper through easy chair : <https://easychair.org/conferences/?conf=ircet2021>
- Authors will be notified about acceptance/revision of the paper in time.
- If paper requires revision, it will be sent back to the corresponding author with comments and the corrected version must be sent back within a week.
- At least one author of each accepted paper is expected to register in the conference and must present the paper.
- Authors are encouraged to submit well before the submission deadline in order to be benefited from early bird registration rates.

PUBLICATION GUIDELINES FOR EXTENDED PAPERS

If your manuscript is selected for consideration in any of the supporting journals/book, kindly follow the supporting journal's/book's submission process and the template guidelines. For more information kindly visit IRCET-2021 website: <https://www.piet.co.in/ircet-2021/>

For any query, you can mail us at ircet2021@piet.co.in

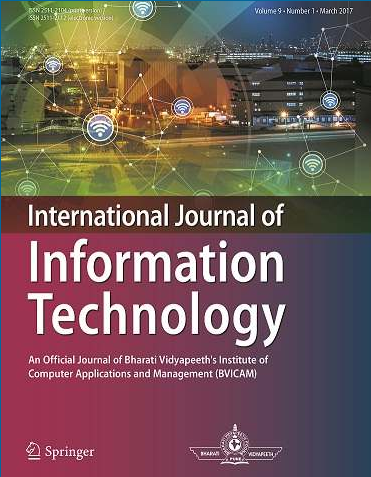
BEST PAPER AWARD

The papers submitted for the conference will be peer reviewed. Best paper of each track will be awarded during the conference.



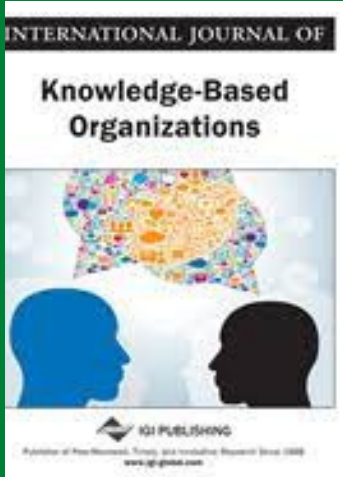
PEER REVIEWED JOURNAL PUBLICATION*

Extended versions of selected papers will be considered for publication in one of the following journals/book:



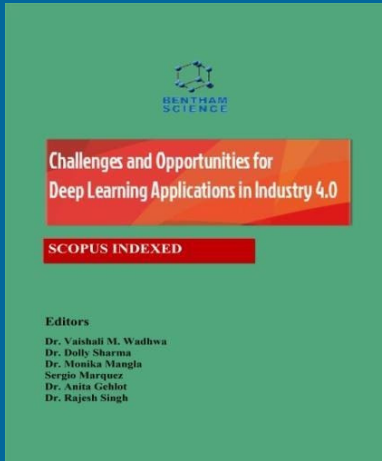
International Journal of Information Technology
An Official Journal of Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM)

ISSN (P): 2511-2104
ISSN (E): 2511-2112
Editor-in-Chief: Prof. M. N. Hoda
Link: <https://www.springer.com/journal/41870>
Indexing: SCOPUS, UGC-CARE List (India)



INTERNATIONAL JOURNAL OF Knowledge-Based Organizations

ISSN (P): 2155-6393
ISSN (E): 2155-6407
Editor-in-Chief: John Wang
Link: <https://www.igi-global.com/journal/international-journal-knowledge-based-organizations/1177>
Indexing: ACM Digital Library, Google Scholar



Challenges and Opportunities for Deep Learning Applications in Industry 4.0
SCOPUS INDEXED

Editors
Dr. Vaishali M. Wadhwa
Dr. Dolly Sharma
Dr. Monika Mangla
Sergio Marquez
Dr. Anita Gehlot
Dr. Rajesh Singh

Vol. 2 of book - Challenges and Opportunities for Deep Learning Applications in Industry 4.0
Editor-in-Chief: Dr. Anita Gehlot
Indexing: SCOPUS
Publisher: Bentham Science

*There may be additional charges for the selected papers to be published in journal/book/Springer CCIS series and authors must also comply with the journal instructions policies.

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IMPORTANT DATES

Paper Submission Deadline for review	September 15, 2021
Notification of Acceptance	October 15, 2021
Camera Ready Paper with Registration Fee Submission	October 30, 2021
Conference Date	November 19-20, 2021
Early Birds Registration Deadline	October 20, 2021

REGISTRATION FEES

TYPE OF PARTICIPANT	EARLY BIRDS	NORMAL
Students	Rs. 1250	Rs. 1500
Research Scholars	Rs. 1500	Rs. 2000
Faculty /Academicians/Industry	Rs. 2000	Rs. 2500
International Delegates	Rs.4000/USD55	Rs.4500/USD60
Listeners (National/International)	Rs.1000/USD20	Rs.1000/USD20

Registration fees should be paid through NEFT as per following details.

College Name : Panipat Institute of Engineering and Technology

Name of Bank : HDFC BANK

Account Number : 50100088300896

Branch : G. T. Road, Samalkha, Panipat

IFSC code : HDFC0001325

ACCOMMODATION

All the interested delegates who desire that their accommodation is made available by the Conference organizer will need to inform the organizers beforehand and tariff and type of accommodation must be informed.

ABOUT PANIPAT

According to the legend, Panipat was one of the five cities (Prasthas) founded by the Pandava brothers during the times of the Mahabharata; its historic name being Panduprastha. Panipat was the scene of three pivotal battles in the Indian history. Panipat is situated on Shershah Suri Marg (now known as G.T. Road), 90 KM north of Delhi. The newly constructed flyover across NH-44 completed in 2008 is one of the longest flyovers in India.

PLACES OF INTEREST NEARBY

The main places of attraction in Panipat are "Panipat Battles Museum", Hemu 'Samadhi-sthal' and camp site of Babur and Akbar at village Sodhapur, the grave of Ibrahim Lodhi, Kabuli Bagh, Devi Mandir, Kala Amb, Salar Gunj Gate and the tomb of the thirteenth century sufi saint BuAli Shah Qalandar. Kurukshetra also known as Dharmakshetra ("Holy Place") & "Land of the Bhagavad Gita" is a historical Place & is located at a distance of 75 km from Panipat.

PLEASE CONTACT FOR FURTHER INFORMATION & CORRESPONDENCE

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