

in association with  
**Universiti Teknikal Malaysia Melaka, Malaysia**  
*Second International Online Conference on*

**“ARTIFICIAL INTELLIGENCE FOR IOT – AIIoT 2022”**

**07<sup>th</sup> & 08<sup>th</sup> April 2022**  [www.vit.ac.in/AIIoT2022](http://www.vit.ac.in/AIIoT2022)

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**ABOUT VIT**

Vellore Institute of Technology (VIT) is a private deemed university located in Vellore, India. VIT is recognized as an Institution of Eminence (IoE) by MHRD, Government of India. Vellore Institute of Technology has campuses in Vellore, Amaravati, Bhopal and Chennai. VIT has been consistently ranked among the best institutions of the country, and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India. The National Assessment and Accreditation Council (NAAC) of UGC, Government of India, accredited with highest grade in the last three consecutive cycles. With students from all the states of India and from more than 50 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. VIT holds an exemplary placement record by consistently placing more than ninety percentage of the students in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most advanced as well as the most deprived societies.

**ABOUT SENSE**

School of Electronics Engineering – SENSE at VIT was established for imparting state-of-the-art knowledge in Electronics and Communication Engineering and allied areas. B.Tech. Electronics and Communication Engineering is accredited by the Engineering Accreditation Commission of ABET. Students who are eligible are placed on campus and many of them are placed in core companies every year. The school has set up laboratories with excellent infrastructure in the areas of Electronics, Communication, VLSI, Embedded, Sensors and Nanotechnology. The latest simulation tools are used to cater to various specializations and are equipped with facilities for measurement, characterization and synthesis of experimental as well as theoretical results. Students are encouraged to take up their final year projects abroad too. The School has many industry sponsored advanced laboratories for carrying research and development. MoUs with many Foreign Universities, Research Organizations and Industries facilitate student and faculty exchange. Faculty are actively involved in R&D activities and are working on research projects funded by government organizations like DRDO, ISRO (RESPOND), BRNS and agencies like DST.

**ABOUT AIIoT 2022**

Today's world is changing with the adoption of Internet of Things (IoT). IoT is helping in prominently capturing a tremendous amount of data from multiple sources. However, wrapping around the multitude of data coming from countless of IoT devices, makes it complex to collect, process, and analyze the data. Realizing the future and full potential of IoT devices will require an investment in new technologies. The convergence of AI (Artificial Intelligence) and IoT can redefine the way industries, business, and economies functions. While IoT deals with devices interacting using the internet, AI makes the devices learn from their data and experience. International Conference on Artificial Intelligence for IoT aims to bring together leading academicians, scientists, researchers and scholars to exchange and share their experiences, research results on all aspects of Internet of Things and AI. Researchers will present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered in artificial intelligence for IoT. This conference is to encourage and assist the professionals engaged in the above fields to maintain the integrity and competence of the profession, foster a sense of partnership amongst the International professionals.

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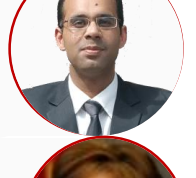
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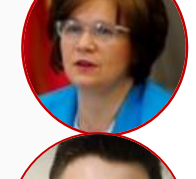
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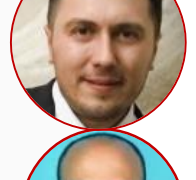
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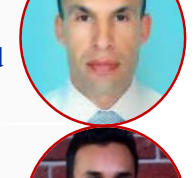
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## THRUST AREAS

### Track 01: AI Enabled IoT System & Applications

- ❖ VLSI System Design
- ❖ AI and Evolutionary Algorithms
- ❖ Machine Learning and applications
- ❖ Natural Language Processing
- ❖ Decision Support Systems
- ❖ Deep Learning and Applications
- ❖ Soft computing theory and applications
- ❖ Genetic Algorithms and Generative Models
- ❖ Sentiment Analysis
- ❖ Reinforcement Learning
- ❖ Computational Intelligence
- ❖ Image & Signal Processing
- ❖ Fuzzy Control
- ❖ AI in Internet of Things
- ❖ Integration of AI with other technologies

### Track 02: Intelligent Industrial IoT & Cloud Computing

- ❖ Software Agents for Intelligent Control Systems
- ❖ AI in Control and Precision Engineering
- ❖ AI in Error Prediction
- ❖ Intelligent Fault Detection and Diagnosis
- ❖ Industrial Networks and Automation
- ❖ Supply Chain and Logistics
- ❖ Modelling and Simulation for IIoT
- ❖ Distributed Control and Optimization
- ❖ AI for energy efficient cloud operations
- ❖ AI and ML at the edge and in the cloud
- ❖ AI in Big Data Analytics
- ❖ Micro-services, and Server-less computing
- ❖ Hybrid-clouds & multi-clouds integration
- ❖ Cloud-RAN
- ❖ Wireless HART applications

### Track 03: Robotics & Automation

- ❖ Embedded Systems
- ❖ Robot Design, Development and Control
- ❖ Space and Underwater Robots
- ❖ Human-Machine Interfaces
- ❖ Collective and Social Robots
- ❖ Cognitive Approach for Robotics
- ❖ Mobile Robots & Intelligent Autonomous Systems
- ❖ Vision, Recognition and Reconstruction
- ❖ Control and Supervision Systems
- ❖ Tele robotics and Tele-operation
- ❖ Human-Robots Interfaces
- ❖ Humanoid and Network Robotics
- ❖ Virtual & Augmented Reality
- ❖ Autonomous Agents
- ❖ Automation for remediation and mitigation

### Track 04: 5G for IoT, Security, Privacy & Compliance

- ❖ Communication & Networking
- ❖ AR/VR applications in 5G
- ❖ Edge computing for 5G/6G
- ❖ 5G and beyond Services for Industrial IoT
- ❖ IoT Architecture in 5G networks
- ❖ Latency and Network Slicing
- ❖ Software-Defined Network (SDN)
- ❖ Network Function Virtualization (NFV)
- ❖ Cloud security and privacy
- ❖ Software defined solutions for IoT
- ❖ Trustworthy cloud environments
- ❖ Block chain
- ❖ Anomaly and Intrusion Detection
- ❖ Big Data and Information Integrity
- ❖ Communication Security in 5G

(But Not Limited To)

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All manuscript submitted to AIIoT-2022 must be original and the content thereof, or substantial parts of it, must not be under consideration / published by any other journal. All submissions to AIIoT-2022 are assessed by the chairs of the respective tracks, who will decide whether they are suitable for peer review based on: less than 15% of similarity index, timeliness, interest and the importance of the topic. Plagiarism of any kind is the Author's sole responsibility. The peer-review process involves the review of the manuscripts by two independent reviewers. The technical committee will make a decision on the acceptance of the manuscript for publication based on the reviewers' reports and the reports will be sent to the authors for suitable modification.

All the accepted, registered and presented papers will be published in conference proceedings with e-ISBN number (978-93-89640-08-3) and certificate will be given to all authors.

## REGISTRATION

Category	Indian Authors	Foreign Nationals
e-ISBN (Certificate)	Rs.2500 (+18% GST)	50 USD (+18% GST)

All the papers must be submitted through <https://tinyurl.com/AIIoT2022>. For detailed paper format instructions and template, visit <https://vit.ac.in/AIIoT2022/>.

## IMPORTANT DATES

Last Date for Submission : 21 March 2022  
Acceptance Notification : 28 March 2022  
Last Date for Registration : 01 April 2022  
Final Submission (CRC) : 01 April 2022

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