



Ballarpur Institute of Technology, Ballarpur

Accredited by NAAC Bengaluru, An ISO 9001:2018 Certified Institute

Approved by AICTE, New Delhi, Govt. of Maharashtra, Mumbai and Affiliated to Gondwana University and DBATU Lonere

AICTE sponsored
**1st International e-Conference on
" Internet of Things :
The Eco System for sustainable growth "**

ICIoT-2020

**23rd & 24th
December 2020**

All accepted papers will be published in
UGC Approved / ESCI / WOS / SCOPUS indexed journals

* T & C may apply.

Season's Greeting from BIT

With Immense pleasure we feel privileged to inform you that, Ballarpur Institute of Technology, Ballarpur is organising AICTE sponsored **1st International e-Conference on "Internet of Things: The Eco System for sustainable growth"-2020 (ICIoT-2020)** on 23rd and 24th December 2020 in association with ISTE Chapter/IEI Student Chapter / DBATU, Lonere / Gondwana University, Gadchiroli and in technical collaboration with various esteemed organization.

In Technical Collaboration With



About IoT (Internet of Things)

The internet of things (IoT) is a platform that allows a network of devices (sensors, smart meters, etc.) to communicate, analyse data and process information collaboratively in the service of individuals or organisations. The IoT network can generate large amounts of data in a variety of formats and using different protocols which can be stored and processed in the cloud.

About ICloT-2020 E-Conference

The aim of the ICloT-2020 is to provide a platform for research scholar, students, engineers, academicians as well as industrial professionals from all over the world to share their ideas, experiences, research and development activities in the domain of engineering and management. It also provides the interdisciplinary forum for all participants to present and discuss the recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in Internet Of Things

The International E-Conference on Internet of Things (IoT) has become the premier gathering place where visionary, ground-breaking research in the IoT field meets leading industry experts. IoT has been backed by strong support from leading academic institutions as well as industry and we are happy to announce our first international conference that will take place in December 2020 in online mode.

About BIT College

Ballarpur Institute of Technology (BIT) is a technical campus with NAAC accreditation, offering 4 year UG engineering programs in seven branches : Civil, Mechanical, Electrical, Electronics and Telecommunication, Computer Science, Mining and Food Technology, 2 year PG programs in 5 branches Electronics & Comm. Engg., Electrical Power System, Structural Engg. & Construction, Computer Science & Engineering, Mining Engg. 2 year, MBA program and 3 year MCA program, which are approved by All India Council of technical Education (AICTE), New Delhi, Mumbai and affiliated to DBATU, Lonere, Raigad and Gondwana University, Gadchiroli. Also, we are running 3 years diploma engineering with same number of course as that of Engineering.

The institute was established with main vision to become the top destination for quality technical and management education in central india with diverse student population from all parts of the country and abroad. The 15 acre campus is located in a serene and lush green rural backdrop. The institute has well equipped laboratories, class room, library, sport facilities, hostel facilities and transportation facilities, Ballarpur town is very well connected with train and bus facility.

Vision

To become benchmark technical institution where learning is a joy, education is for the tomorrow, research & development is pace setting and everyone is committed to delivering competent human resource for prosperity and well-being of industry, profession and society.

Mission

To prepare competent need based human resource and responsible citizens for engineering profession through dissemination of knowledge and development of technical skills and create an environment that fosters the involvement and commitment of all stakeholders for continuous improvement in performance and quality.

Objective of the Conference

- 1 The main aim of International e-Conference on ICloT- 2020 is to provide information and control of state of objects around us. An attempt has been made in this Conference to give an idea about IoT technology, opportunities and its future scope.
2. To research and analyze how can Blockchain contribute to improving IoT solutions. Moreover, to understand how to solve the know issues o IoT and blockchain.
3. To introduce an extra, security dedicated, physical layer to the manufacturing of existing IoT platforms and de-vices so as to offer a secure-by-design architecture and monitoring capabilities for the sake of the network. To explore introduction of Blockchain as a security and privacy preserving layer for IoT.
- 4.To enhance the inter-connection of heterogeneous devices by speeding up the communication processes and by selecting the optimal routing path for the transmitted information in terms of both security and traveling time.
- 5.To introduce a methodology and to provide a tool-chain for automatic generation of design-driven security features monitors and validators for IoT platforms and networks based on IoT architecture and behavior model specifications.
- 6.To validate the aforementioned actions in both large- and small-scale representative real-case scenarios involving heterogeneous IoT platforms & devices in an EU wide testbed covering thus, a wide variety of eminent domains.

Track & Topic

Computer Science And Engineering

- Internet of Things
- Deep Learning
- Natural Language Processing
- Computer Vision & Soft computing
- Data Science & Cloud Computing
- Big Data Analytics & Data Mining
- Pattern Recognition
- Block Chain Technology
- Cyber Security
- Network Artificial Intelligence

Civil Engineering

- IoT in Civil and Hydraulic Engineering
- IoT in Civil Engineering
- IoT Methods in Civil Engineering
- Use of IoT in real-time interactions of workers, machinery, on the site and alert construction errors, and productivity issues.
- IoT and Machine Learning for Smart Construction
- IoT for Better Design of Buildings Through Generative Design
- Risk Mitigation using IoT
- Project Planning Using IoT
- IoT for Construction Safety
- The Future of IoT in Construction

Mining Engineering

- Application of IoT in the mining industry.
- Application of IoT in mining transportation.
- Application of IoT in Advance mining method
- Application of IoT in method of working in mining
- Application of IoT in Inventory Management.
- Application of IoT in Development.
- Application of IoT in Supply Chain Management.
- Application of IoT in Equipment Predictive Maintenance.
- Application of IoT in Forecast Product Demand.
- Application of IoT in Customer Management.
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Mechanical Engineering

- Application of IoT in the automotive industry.
- Application of IoT in 3-D (or even 4-D) printing.
- Application of IoT in Advance Robotic.
- Application of IoT in Manufacturing Industry.
- Application of IoT in Inventory Management.
- Application of IoT in Product Designing & Development.
- Application of IoT in Supply Chain Management.
- Application of IoT in Equipment Predictive Maintenance.
- Application of IoT in Forecast Product Demand.
- Application of IoT in Customer Management.

Electronics & Communication Engineering

- IoT & Image Processing
- Electronic Solutions for IoT Healthcare
- Application of IoT on Intelligent Systems
- IoT and Smart Sensing
- IoT methods in Electronics Engineering
- IoT Based Wireless Robot
- Electronics Engineering the Next Wave of IoT
- Future of IoT in Communication
- Application of IoT and Deep Learning in Wireless Communications System

Electrical Engineering

- Engineering Design for Sustainable Development using IoT
- IoT for Modern Life
- Smart Cities: Waste Minimization,
- Remanufacturing, Reuse and Recycling
- Technologies using IoT Industry
- IoT based Smart Grid Systems
- Energy Conservation using IoT
- Application of IoT in Green Computing
- Robotics and Process Automation (RPA)
- Water and Air Quality Management

Master of Business Administration

- Business Applications of IoT
- Automation in Business Practices using IoT
- Financial Intelligence/Planning using IoT
- IoT for Business Leaders
- Smart Management Practices
- Information Management
- Managing Innovations & Disaster Management
- Emotional Intelligence
- Social Media Marketing
- Supply Chain Management

Guidelines For Paper Submission

- All the papers are accepted only through EasyChair account. <https://easychair.org/cfp/ICIoT-2020>
- Acceptance of the papers implies that atleast one of the authors must present the paper in the conference.
- There will be an award for the best three papers with attractive prizes to be presented at the conference.
- **Tables / Figures** : Tables and Figures should be placed at the end of the text. Tables should contain a source and units of measurement.
- **References** : Place the references at the end of the manuscript. The list should mention only those sources actually cited in the text or notes. Authors name should be same as in the original source.
- For more than one publication by the same author, list them in chronological order, with the older item first. For more than one publication in one year by the same author, use lower case letters to distinguish them. (e.g.2020a,2020b).

Journal Publication

All accepted papers will be published in approved journal(s).

The short-listed extended papers, after peer review will be published in the Scopus & UGC Indexed Journal. The Journal Publication fee is to be paid by the respective authors separately. The registration fee of the conference does not include extended journal publication charges.

Keynote Speakers

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Khalifacity,Abudhabi, UAE

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Location Map



Chandrapur
Distance : 15 Km

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Senior Software Engineer, Persistent System Ltd., Nagpur

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Director, SSG Embedded Solution, Nagpur

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Patron



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Chairman
BIT, Ballarpur



Shri Sanjay Wasade
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Shri Prashant Wasade
Director
BIT, Ballarpur

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Head (CSE) & Co-convener ICloT-2020

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For any queries you can reach to us on
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Mode of Payment :

Payments can be made in Demand draft, NEFT, Bhim or Google Pay App to our bank account.

Bank Name : AXIS BANK

Branch address :

AXIS BANK , Plot No. 22 B, Civil Lines, Chandrapur Nagpur Highway, Chandrapur 442 402, Maharashtra, INDIA

Account Name :

Ballarpur Institute of Technology

Account Number : 651010100020536

MICR Code : 442211102

IFSC Code : UTIB0000651

Registration fee will include e-Conference Proceedings, E Certificates & Journal Publications

Participant Registration : <https://forms.gle/j381nJydUrg6ue6v5>

Easy chair Paper submission Account : <https://easychair.org/cfp/ICloT-2020>

website: <http://www.bitedu.co.in>

Last date for submission of Full Length Paper

" 15 December 2020 "

Category	Publication	Amount	
		Indian Author(s)	Foreign Author(s)
1	UGC Approved Journals (JETIR)	Rs. 1000	\$50
2	Emerging Sources Citation Index (ESCI)	Rs. 2000	\$75
3	Web of Science (WOS)	Rs. 3000	\$100
4	UGC Care & EI Indexed	Rs. 3500	\$150
5	SCOPUS	Rs. 8000	\$200