

# NEWSLETTER

## Department of Computer Science and Engineering January-March-2024

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(A) Events & Activities:

(B) Placement News:

(C) Research & Publications:

- **January 02, 2024**

**Dr. Amit Jain**, Publishing the paper in the **3rd IEEE International Conference on Smart Generation Computing**, Communication and Networking held at Bangalore on 29-31 Dec. 2023.

The titles of the Papers are -

1. **DeepFake Videos Detection and Classification Using Resnext and LSTM Neural Network.**
2. **Analysis and Mitigation of DDOS Vulnerabilities in Cloud Computing**



- **January 02, 2024**

**Dr. Arti Vaish**, Publishing the paper in the **3rd International Conference on Computational Electronics for Wireless Communications**, 22-23 December 2023, NIT Jalandhar.

The titles of the Papers are -

1. **Quantum field current modelling in a semiconductor, 3rd International Conference on Computational Electronics for Wireless Communications, 22-23 December 2023, NIT Jalandhar, LNNS springer.**
2. **A finite element technique for approximately solving for the electromagnetic field within a cavity resonator, 3rd International Conference on Computational Electronics for Wireless Communications, 22-23 December 2023, NIT Jalandhar, LNNS springer.**
3. **A lightweight encryption method for preserving E- Health care data privacy using dual signature on twisted Edwards Curves, Springers 5<sup>th</sup> International**

## Conference on Computer and Communication Technologies (IC3T-2023), KITS, Warangal.



5<sup>th</sup> INTERNATIONAL CONFERENCE ON  
COMPUTER & COMMUNICATION TECHNOLOGIES (IC3T)-2023  
6 -7 October, 2023



**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE::WARANGAL, T.S., INDIA**  
(An Autonomous Institute under Kakatiya University, Warangal)  
(Accredited by NAAC with "A" Grade)

### CERTIFICATE OF PARTICIPATION

This is to certify that Dr. Arti Vaish has presented a paper titled **A Lightweight Encryption Method for Preserving E-Health Care Data Privacy Using Dual Signature on Twisted Edwards Curves** in the **"Springer 5<sup>th</sup> International Conference on Computer & Communication Technologies (IC3T-2023)"** organized by the **Department of Electronics and Communication Engineering, Kakatiya Institute of Technology & Science, Warangal, Telangana** during 6-7 October, 2023.

Dr.M. Raju  
Program Chair, IC3T-2023

Dr.B.Rama Devi  
Convener, IC3T-2023

Prof.K.Ashoka Reddy  
Conference Chair, IC3T-2023

- **January 11, 2024**

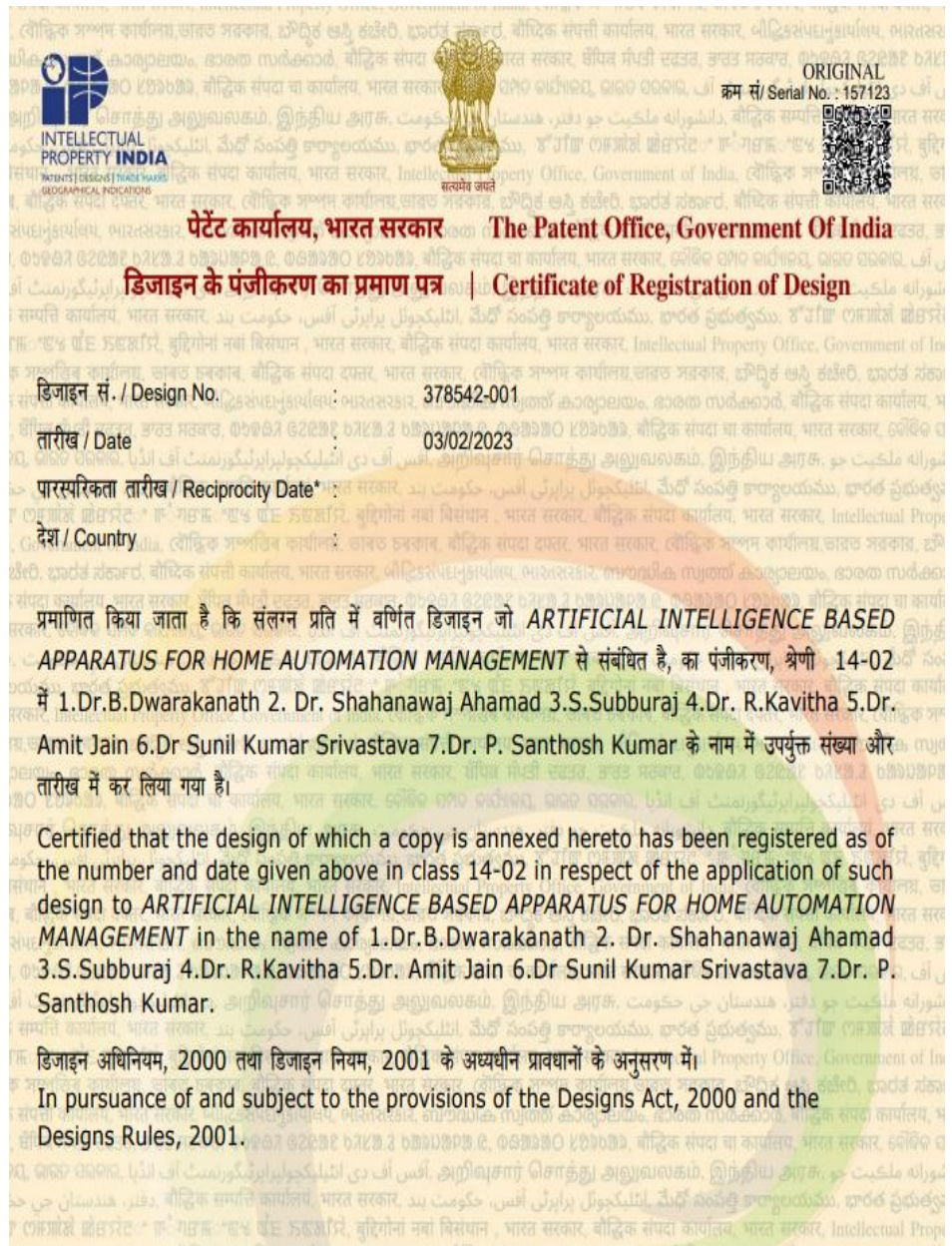
**Dr. Amit Jain**, has Publishing the paper titled **"Data Mining based Framework for Organisational Financial Management"** is published in **ABDC Indexed Journal**, Journal of Informatics Education and Research, Vol 3, Issue 2 (2023). The link is attached for your reference -

<https://jier.org/index.php/journal/article/view/430/408>



- **February 21, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Amit Jain** for his patent on “Artificial Intelligence Based Apparatus for Home Automation Management”, application no. 378542-001 has been granted.



- **February 21, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Umashankar Ghugar & Dr. Bhupesh Kumar Dewangan** for their successful publishing in IEEE Explore entitled “**A Compressive Study on Detection Accuracy Model for DoS Attack in SDN Using Ensemble Learning Techniques**”.



- **February 22, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Umashankar Ghugar** for his successful publishing in IEEE Xplore entitled **“IoT-Based Smart Irrigation System for Optimal Water-Resource Utilization in Indian Agriculture”**.



- **February 22, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Rakesh Nayak & Dr. Umashankar Ghugar** for their publishing a research article entitled **“Exploring The Security Landscape: A Comprehensive Analysis Of Vulnerabilities, Challenges, And Findings In Internet Of Things (IoT) Application Layer Protocols”** in Q2 Journal, Migration Letters, VOL. 21 NO. S6 (2024). with OPJU affiliation. This is indexed in SCOPUS.

You can find this article at the following link:  
<https://migrationletters.com/index.php/ml/article/view/8265>



- **February 28, 2024**

OP Jindal University, Raigarh, Congratulates **Prof. Narendra Kumar Dewangan** for Presented a Paper titled **“Prevention of De-Identification Attack on Blockchain-based E Voting using Homomorphic Encryption”** under the subject/Discipline **“Computer Sciences, Electronics, Information Technology, Instrumentation”** of 19th Chhattisgarh Young Scientists Congress (CYSC-2024) Organized During February 26-27, 2024.



- **March 10, 2024**

**Dr. Narendra Kumar Dewangan** Published a book chapter entitled **“Geolocation-Based Smart Land Registry Process with Privacy Preservation Using Blockchain Technology and IPFS”** with Taylor and Francis.



## 10 Geolocation-Based Smart Land Registry Process with Privacy Preservation Using Blockchain Technology and IPFS

Narendra Kumar Dewangan and Preeti Chandrakar

Department of Computer Science & Engineering, National Institute of Technology Raipur, India

### 10.1 INTRODUCTION

In e-governance services, land registry is an integral part. The government takes some charges and provides this service through the local authority, which updates the registry records in the ledger. Traditionally, these records are maintained on centralized servers, which have many vulnerabilities and risks. In the online and application-based registry systems, the records are entered by individuals. The approval authority takes the data, verifies the data through the documents available in the hard copies and previous records, and approves the registration of the land. When a situation like coronavirus disease 2019 surfaces, the registration process for the land and properties is affected. The real estate business is one of the most important business models for any country, and when it is down, the economy of that country is also affected. The traditional system of land registration limits the globalization of trust between the parties. The deniable conditions of the parties in the land registry process are a common problem in the current land registry system in India.

Blockchain is a distributed, decentralized, immutable, transparent, secure, and fast system to store data. Devices like the Internet of Things (IoT) are used for the recording of real-time data. Blockchains can store real-time data in distributed storage. This storage is free from single points of failure because of the availability of data at any point. Blockchain data, once placed in a block, cannot be changed or deleted. Altering data is not possible on the blockchain. In blockchain, each block is

- **March 22, 2024**

**Dr. Umashankar Ghugar** Published his paper in the Technologies (MDPI) Q1-Journal (IF-3.6) titled "**Performance Assessment of Different Sustainable Energy Systems Using Multiple-Criteria Decision-Making Model and Self-Organizing Maps**".



- **March 26, 2024**

**Prof. Asimkiran Dandapat** got the acceptance of his research paper entitled "**Design of Intrusion Detection System using GA and CNN for MQTT-based IOT Networks**", in SCI Indexed Journal, Springer.



- **March 27, 2024**

**Dr. Narendra Kumar Dewangan** Published one of his book chapter entitled "**Development of a Secure and Transport Blockchain for Electricity Bill Management in Smart Cities Using Enhanced Proof of Energy Consumption**".



- March 27, 2024**  
**Dr. Bhupesh Kumar Dewangan** has been awarded as Authors for entitled "**Continuous hand gesture segmentation and acknowledgement of hand gesture path for innovative effort interfaces**".



Intellectual Pustaka Media Utama | iaes Institute of Advanced Engineering and Science | Scopus indexed | SJR | Q3 | CiteScoreTracker 2023: 1.5 | h-index: 3 | Electrical and Electronic Engineering | 0.218 0.143 0.9

**CERTIFICATE**  
 No. 20667/IJRES/A/3/2024

International Journal of Reconfigurable and Embedded Systems  
 is hereby awarding this certificate to

**Prashant Richhariya, Piyush Chauhan, Lalit Kane, Bhupesh Kumar Dewangan**

as **Authors** for paper entitled:  
 Continuous hand gesture segmentation and acknowledgement of hand gesture path for innovative effort interfaces  
 for Vol 13, No 2: July 2024

March 27, 2024

ISSN 2089-4864  
<http://ijres.iaescore.com>

Prof. Dr. Paolo Crippa  
 Editor-in-Chief

**(D) Achievements**

- January 04, 2024**  
**Dr. Bhupesh Dewangan** get acceptance of paper in the International Journal of Reconfigurable and Embedded Systems (IJRES).



Intellectual Pustaka Media Utama | iaes Institute of Advanced Engineering and Science | Scopus indexed | SJR | Q3 | CiteScoreTracker 2023: 1.3 | h-index: 3 | Electrical and Electronic Engineering | 0.218 0.143 0.9

**CERTIFICATE OF ACCEPTANCE**

The manuscript (IJRES-20667) titled:  
 Continuous hand gesture segmentation and acknowledgement of hand gesture path for innovative effort interfaces

Authored by:  
**Prashant Richhariya, Piyush Chauhan, Lalit Kane, Bhupesh Kumar Dewangan**

was accepted in IJRES (ISSN 2089-4864) on 17-09-2023  
<https://ijres.iaescore.com>

January 4, 2024

Prof. Dr. Paolo Crippa  
 Editor-in-Chief

- **January 08, 2024**

**Prof. Asimkiran Dandapat**, his Instrumental role as SPOC for the “SWAYAM-NPTEL” Local Chapter as Active SPOC based on the Performance and participation of Candidates for the Jul-Dec 2023 Semester.



- **January 11, 2024**

Welcome **Mr. G. P. Sharma** as a New Addition as “**LAB Instructor**” in the School of Engineering Department of Computer Science & Engineering. He has 12 years of experience.



- **January 11, 2024**

**Prof. Narendra Dewangan**, has Contributing as a **Reviewer** in the “**21st IEEE OITS International Conference on Information Technology (OCIT 2023)**”, from 13th December to 15th December 2023. Organized by the Department of Computer Science & Engineering (CS&E) at the National Institute of Technology Raipur Chhattisgarh.





- **January 11, 2024**

**Prof. Narendra Dewangan**, has Contributing as a **Reviewer** in the “**3rd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2023)**”, organised by the Department of Computer Science Banaras Hindu University, Varanasi India in hybrid mode during December 20-22, 2023.



- **January 11, 2024**

**Prof. Narendra Dewangan**, has Contributing as a **Reviewer** in the “**10th International Conference on Power Systems (ICPS 2023)**”, jointly organised by IEEE Bangladesh Section.



- **January 11, 2024**

**Prof. Pradeep Kumar Shriwas**, has completing the 5-day Faculty Development Program on “Building Advanced Data Analytics Applications with Cloud” under “The Next Gen Employability Program from 04/12/2023 to 08/12/2023.



- **January 11, 2024**

**Prof. Asimkiran Dandapat**, has Contributing as a **Reviewer** in the “**10th International Conference on Power Systems (ICPS 2023)**”, jointly organised by IEEE Bangladesh Section.



- **January 15, 2024**

**Department of Computer Science & Engineering**, successful conducted of the Online Faculty Development Programme on “**BLOCKCHAIN FOR INDUSTRY 4.0: Future Industrial Revolution in Decentralized Manufacturing**” in association with the Centre of Excellence in Industry 4.0 dated on 15-19 January 2024.

Online Faculty Development Program on

## BLOCKCHAIN FOR INDUSTRY 4.0:

FUTURE INDUSTRIAL REVOLUTION IN DECENTRALIZED MANUFACTURING

CSE Department with association in Center of Excellence Industry 4.0

15-19 January 2024

### CALL FOR PARTICIPANTS

**About FDP**

Blockchain is a unique technology and a fundamental concept of computer science. Moreover, Blockchain has proven itself to be instrumental for many applications, ranging from financial to governmental services. In many ways, this transformed applications and development to rethinking how information is distributed and processed over its infrastructure. While the majority of these applications are in the financial domain, key opportunities lie in connecting infrastructural services, such as Cloud, Fog and Edge computing with blockchain to create and provide new applications and services. As in the decentralized manufacturing system users are more aware to the smart technologies including IoT and cloud technology. A decentralized storage system is required to maintain transparency and trust between the different entities in the decentralized industry.

**Objectives of FDP**

To promote interaction with the scientific communities and provide awareness and training for blockchain applications in the smart industry, the online FDP will be organized at OPJU Raigarh during January 15th-19th, 2024. The program will enhance the different prospects of Blockchain and related techniques for Industry 4.0.

**Mode of FDP**

The FDP will be organized online through Microsoft Teams link. The link will be shared with the selected participants well in advance.

**Last Date of Registration 10 January 2024**

**Account Details**

A/C Name : OP Jindal University  
A/C No. : 5020005424691  
RTGS/NEFT IFSC : HDFC0001454  
MICR : 496240002  
Swift Code : HDFCINBB00X

Scan the QR Code to register

**Registration Fees**

UG/PG Students/ PhD Scholars	200/-
Faculty/ Industry Participants	300/-

**Speakers**

**Dr. Manuvaradhan**  
NIT Raipur

**Dr. Preeti Chandrakar**  
NIT Raipur

**Dr. Parvinder Singh**  
Central University of Punjab, Bathinda

**Dr. Amit Vishwakarma**  
ANIRM New Delhi

**Mr. Sheeshesh Jaramkar**  
Trinity College Ireland

**Resource Persons**

Eminent speakers from NITs, CFTIs and foreign universities will deliver the expert lectures.

**Participants**

Participants will be selected among faculty members, UG, PG students, PhD scholars & researchers, and practicing engineers from academia, Government and AICTE approved Non-Government Organizations through OPJU Application form.

**Participation Certificate**

All Participants will get certificate.

**Organizing Committee**

**Dr. R. D. Patidar**  
Vice-Chancellor, OPJU

**Dr. S. Chakraborty**  
Dean (UG), OPJU Raigarh

**Dr. Rakesh Nayak**  
Professor, OPJU

**Program Coordinator & Contact Person**

**Mr. Narendra K. Dewangan**  
Assistant Professor, OPJU  
E-mail: narendrak.dewangan@opju.ac.in  
Mobile: 7999602812

Organized By Dept of Computer Science & Engineering, OP Jindal University, Raigarh

- **January 18, 2024**

**Dr. Ashish K Sharma**, has joining the Editorial Board of the prestigious Journal - **International Journal of Data Mining, Modelling and Management (IJDMMM)**, published by Inderscience Publishers. The journal is indexed in Scopus (Elsevier) and Web of Science: Emerging Sources Citation Index (Clarivate Analytics)

The Editorial Board page can be viewed at:

<https://www.inderscience.com/jhome.php?jcode=ijdmmm...Editorial>



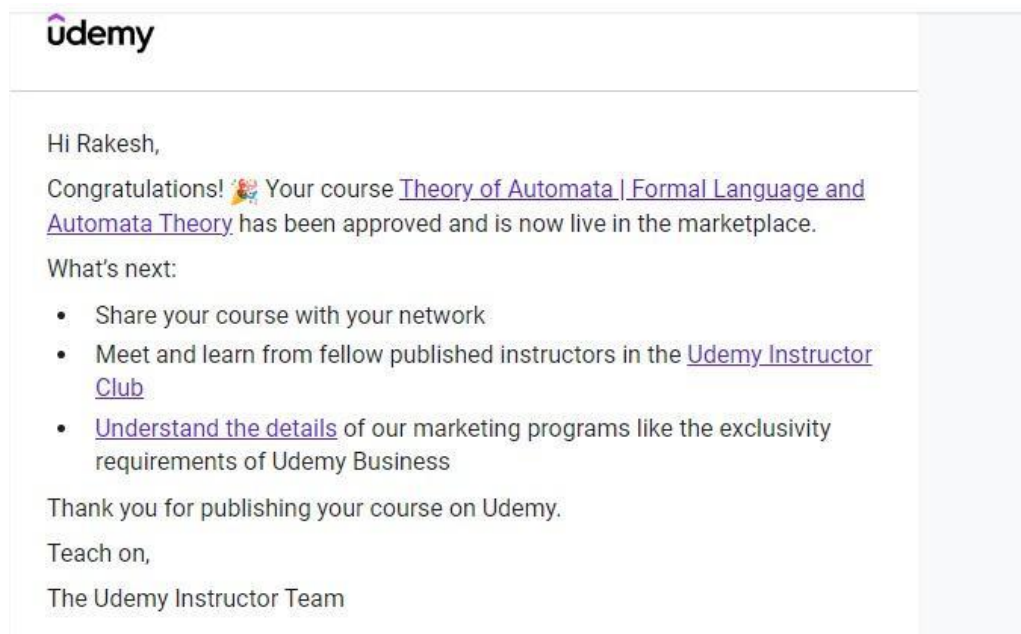
- **January 24, 2024**

**Dr. Umashankar Ghugar**, has the becoming an editorial board member in “**International Journal of Computer Science & Information Technology (IJCSIT)**” journal.



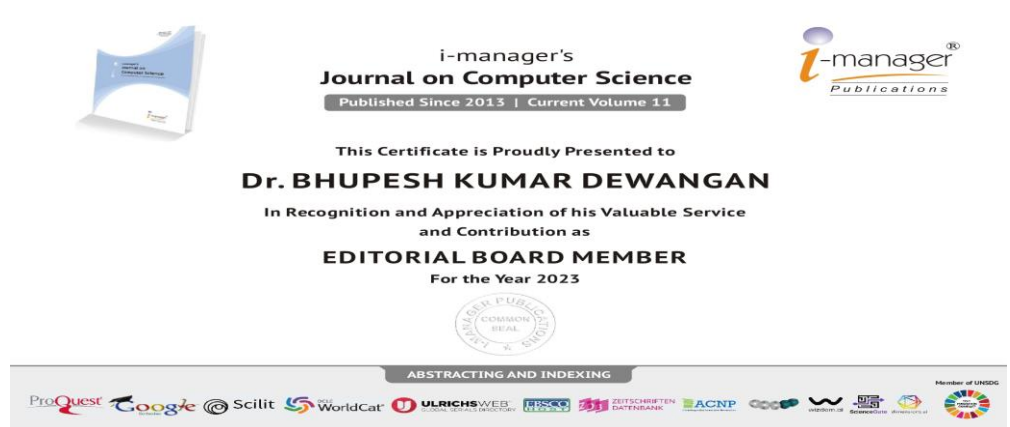
- **February 08, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Rakesh Nayak**, for becoming a member of UdeMy for the course “**Theory of Automata Formal, Language and Automate Theory**” offered by "UdeMy".



- **February 08, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. Bhupesh Kumar Dewangan**, for receiving an Appreciation Letter from the **“i-manager’s Journal on Computer Science”** in the years publishing from 2013 to till date. The current Volume is 11.



- **February 20, 2024**

OP Jindal University, Raigarh, Congratulates **Dr. R N Shukla**, for Successfully Completing **“Microsoft, SAP & AICTE led Faculty Development Program”** under **“TechSaksham”** from 5th February 2024 to 09th February 2024.



- **February 28, 2024**

**Mr. Aadarsh Soni** has participated in the regional meet in association with institutions’ Innovation Council MoE’s Innovation Cell held on 07th February 2024 at Banaras Hindu University, Varanasi.



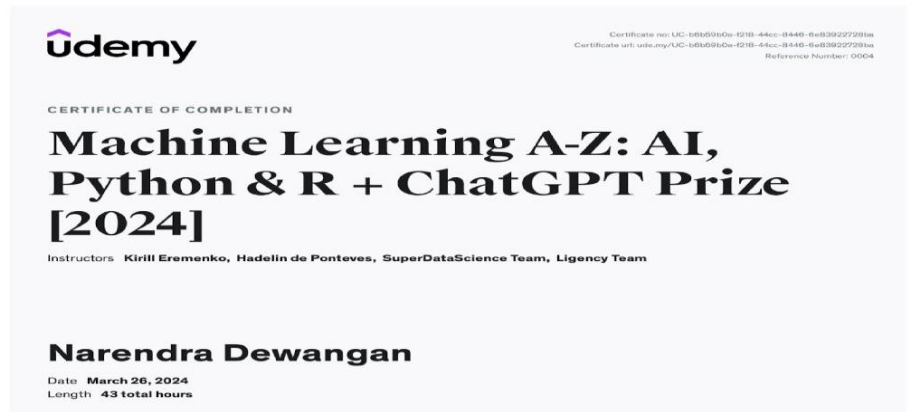
- **March 12, 2024**

**Dr. Narendra Kumar Dewangan** Completed his PhD Defence Viva at "NIT Raipur" with success, covering the subject of "**Design of Blockchain-based Applications for Group-based Transaction, Certificate Storage, and Healthcare Domain**".



- **March 26, 2024**

**Dr. Narendra Kumar Dewangan**, successfully Completing a Course Entitled "**Machine Learning A-Z: AI, Python & R + ChatGPT Prize**" in UdeMy Academy.



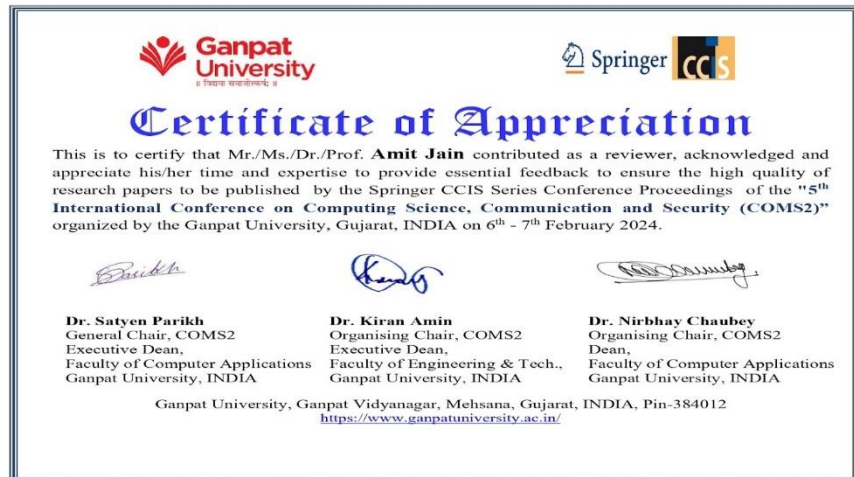
- **March 28, 2024**

**Dr. Amit Jain** is being an active participation as Member of Technical Program Committee in 2024 IEEE International Conference on Contemporary Computing and Communications (InC4) Organized by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore - 560 074 during Mach 15-16.



- **March 28, 2024**

**Dr. Amit Jain** has contributed as a reviewer, acknowledge and appreciate his time expertise to provide essential feedback to ensure he high quality of research papers to be published by the Springer CCIS Series Conference Proceeding of the **“5th International Conference on Computing Science, Communication and Security (COMS2)”** organized by the Ganpat University, Gujarat, Indian.



### **(E) Upcoming Events**

- **OTCON 3.0- OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0. (5-7 June, 2024)**
- **The OTCON is a premier conference in Central India and provides a platform for researchers, academicians, working professionals, students and government personnel from various engineering fields to share and discuss the innovation and advancement of smart computing for Industry 4.0, especially in smart computing for high-performance computing, security, IoT and sensor devices, data sciences, communication and network, signal processing and many more. The conference will witness multiple eminent keynote speakers from academia and industry from all over the world along with the presentation of accepted peer-reviewed articles. The after-conference proceeding of the OTCON will be submitted for inclusion to IEEE Xplore.**



UNIVERSITY OF STEEL TECHNOLOGY AND MANAGEMENT

# OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0

5-7 June, 2024

## About Conference

The OTCON is a premier conference in Central India and provides a platform for researchers, academicians, working professionals, students and government personnel from various engineering fields to share and discuss the innovation and advancement of smart computing for Industry 4.0, especially in smart computing for high-performance computing, security, IoT and sensor devices, data science, communication and network, signal processing and many more. The conference will witness multiple eminent keynote speakers from academia and industry from all over the world along with the presentation of accepted peer-reviewed articles. The conference proceeding of the OTCON 3.0 Will be submitted for inclusion to IEEE Xplore.

## Conference Tracks

- Smart Computing for High Performance Computing
- Smart Computing for Security
- Smart Computing for IoT and Sensor Devices
- Smart Computing for Data Science
- Smart Computing for Communication and Networks
- Smart Computing for Signal Processing

Scan the QR Code to submit the Paper



CATEGORY (AUTHOR)	ACTIVE IEEE MEMBER		NON IEEE MEMBER	
	INR	USD	INR	USD
Full-time student/Research scholar	₹ 6000	\$ 90	₹ 7000	\$ 110
Academician	₹ 7000	\$ 110	₹ 8000	\$ 125
Industry	₹ 9000	\$ 130	₹ 10000	\$ 140
<b>PARTICIPANTS/EXTRA AUTHORS/LISTENER</b>			<b>₹ 2000</b>	

\* Accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meet the IEEE Xplore's scope and Quality requirements.

### Contact

Team OTCON

otcon@opju.ac.in

opjuleeeotc.in

### Organized By

Department of Computer Science & Engineering

School of Engineering

OP Jindal University, Raigarh (CG)

www.opju.ac.in

## Important Dates

Paper Submission Due  
29 Feb, 2024

Notification of Acceptance  
15 March, 2024

Camera Ready Submission  
10 April, 2024

(F) Emerging Topics (Concepts / Techniques/ Technologies)