

A National Conference  
on  
Communication, Image Processing and Computing  
15 to 16 December 2023, (NCIPC 2023)  
Jointly Organized  
by  
Electronics, Information Technology and Computer  
Science Engineering Department  
Walchand College of Engineering, Sangli,  
Maharashtra, India-416415  
**Email:** [ncipc2023@walchandsangli.ac.in](mailto:ncipc2023@walchandsangli.ac.in)

**ABOUT WCE:**

Walchand College of Engineering (WCE), Sangli, established in 1947, is a premier and autonomous engineering institution in Maharashtra and one of the oldest in the country. WCE is a government aided institution and well known for the academic quality of its Graduate and Undergraduate programs, which are accredited by NBA and NAAC with A grade. Since 2007 the college has been enhanced towards academic excellence by incorporating international level academic reforms in the curriculum and adopting contemporary practices like credit based semester system, continuous assessment and grading system , etc. Recently, it has yet again revamped its curricula and learning systems with the active engagement of international faculty and experts. WCE faculty is actively engaged in research activities funded by AICTE, DST, DRDO, BARC etc. and contributes in research publications. A large number of WCE alumni are working in leadership positions in academia, Government and Industry in India and abroad.

**OBJECTIVE**

NCIPC 2023 provides a platform for research scholars for publication and for students to get the Knowledge about new technology. Communication systems, Image processing and computing deal with the use of techniques, methodologies in the design, development and assessment of information systems for different computing platforms and application environments.

The mission of this conference is to identify the new issues & directions for further research & development work.

### **ABSTRACT**

The aim is to bring together worldwide leading researchers, developers, practitioners and educators interested in advancing the state of the art in computational intelligence and communication Networks for exchanging knowledge that encompasses a broad range of disciplines among various distinct communities. It is expected that researchers will bring new prospects for collaboration across disciplines and gain ideas facilitating novel breakthroughs. The theme for this conference is innovating and inspiring the researchers to adopt the outcome for implementation.

### **Significance of the Conference**

The conference will provide an exceptional platform to the researchers to meet and discuss the utmost solutions, scientific results and methods in solving intriguing problems with people that are actively involved in these evergreen fields.

### **Conference Tracks:**

**Papers are invited in the following areas of interest, but not limited to**  
Topics of interest for submission include, but are not limited to,

#### **Track 1 : Computational Intelligence**

- Feedforward and Recurrent Neural Networks
- Fuzzy and Spiking Neural Networks
- Deep Neural Networks
- Reinforcement Learning
- Artificial Intelligence
- Machine Learning
- Genetic Algorithm
- Deep Learning
- Evolutionary Learning
- Neuro informatics and Bioinformatics
- Brain-machine and Human-computer Interface
- Bio-inspired Algorithms and Modelling
- Algorithms and Computational Theory
- Optimization in Autonomous Systems
- Data Mining for Big Data
- Services Image Processing
- Image Processing and Retrieval
- Pattern Recognition
- Feature Extraction
- Computer Vision System
- Signal Processing
- Multimedia Processing
- GIS System
- Business Intelligence

- Big Data Analytics
- Data mining
- Computational Intelligence for data
- Multimedia system applications
- data forensics
- Internet of things
- Cloud computing

### **Track 2 : Communications and Networks**

- Wireless Communications
- Information Theory and Coding
- Internet of Things (IOT)
- Cloud and Edge Computing
- Quantum Computing and Communications
- Vehicular Networks
- Mobile Communications and Networks
- Cognitive Radio & Green Communications
- 5G and beyond Communications
- Machine Learning for Communications
- Signal Processing for Communications
- Smart Grid Communications
- Software-defined radio techniques
- VLSI system
- Digital System

### **Track 3 : Security and Privacy**

- Authentication, Access Control, and Authorization
- Cyber Physical Systems security
- Cloud and Edge Computing security
- Blockchains and Distributed Ledger security
- Intrusion Detection and Prevention
- Machine Learning for Computer Security
- Wireless and Mobile Security/Privacy
- Security for Software-Defined and Data Center Networks
- Key Management, Public Key Infrastructures and Certification
- Malware Detection and Mitigation
- Internet Security: Protocols, Standards, Measurements

### **Track 4 : Applications of Computing**

- Data Analysis
- Speech Recognition and Speech Production
- Robotics and Autonomous Vehicles
- Data Mining and Knowledge Discovery
- Applications in Multi-agent Systems and Social Computing
- Clinical and Medical Applications
- Biomedical Engineering Applications
- Power Systems and Smart Grids Management
- Applications in Controls, Electronics and other Engineering

### **Honorary Chairs**

**Hon. Mr. Ajit Gulabchand**

(Chairman, Admin Council, WCE Sangli)

### **General Chairs**

**Prof. Rajendra B. Kakde**

(Adviser-I, AICTE New Delhi)

**Dr. Vinod M. Mohitkar**

(Director, Technical Education Maharashtra)

**Mr. Amol Chavan**

(Member, Admin Council, WCE Sangli)

### **Conference Chair**

**Dr. Uday A. Dabade (I\C Director, WCE Sangli)**

### **KEYNOTE SPEAKERS**

(Updating soon.....)

### **ADVISORY COMMITTEE**

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**Dr.G Vjayaramaiah**

(Professor, DAIT Bengaluru )

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<i>Mr. R. G. Mevekari</i>	<i>Mr. M. B. Narnavare</i>	

## **Important Dates**

Paper submission: 10<sup>th</sup> November 2023

Notification of acceptance: 20<sup>th</sup> November 2023

Final paper submission & authors' registration: 30<sup>th</sup> November 2023

Conference dates: 15<sup>th</sup> and 16<sup>th</sup> December 2023

## **Publication**

All submission will be peer reviewed, and all the accepted paper will be published in the NCIPC Conference Proceedings, which will be published by **UGC Care Group II Journal**

**Best Paper** prizes/certificates will be awarded

## **Submission Methods**

Please submit full paper through easy chair login

<https://easychair.org/conferences/?conf=ncipc2023>

## **Paper Submission Guidelines/Template**

The following guidelines must be carefully followed.

1. Manuscript must be original and should not have been published/submitted previously/elsewhere.
2. The manuscript should be submitted and author's details should be mentioned in the beginning. The author should not be identified anywhere else in the article. The author's details should include full name, affiliation, e-mail address etc.
3. Manuscript must be written in English using MS-Word (doc or docx format).
4. Manuscript should contain minimum 4 pages to maximum of 8 pages.
5. Maximum of FOUR authors are allowed per paper.
6. The font should be "Times New Roman".
7. Be sure to include Index terms or Key words.
8. The Manuscript should be in a DOUBLE column format.
9. Plagiarism should be less than 15%.

For any inquiry about the conference, please feel free to contact us at :  
[ncipc2023@walchandsangli.ac.in](mailto:ncipc2023@walchandsangli.ac.in)

### Registration Details

Registration fee includes the conference kit, refreshment and lunch for two days of the event.

Categories		Registration Fees
<b>Author</b>	Student / Research Scholar	Rs: 3000/-
	Academician	Rs. 4000/-
	Industry	Rs. 5000/-
<b>Delegate</b>	Student/ Research Scholar	Rs: 500/-
	Academician	Rs. 1000/-
	Industry	Rs. 2000/-

**Name of Account** - WALCHAND COLLEGE OF ENGINEERING

**Account No** - 59219472021002

**Bank Name:** Hdfc Bank

**Branch Name:** Sangli

**IFSC Code:** HDFC0000222

**MICR Code:** 416240151

**SWIFT Code:** HDFCINBB

**Branch Code:** 222

Or alternatively use [QR Code](#) for the payment of registration fees



## Registration Form

Name of Participant: Prof./Dr./Mr/Ms/\_\_\_\_\_

Email Id : \_\_\_\_\_

Paper Title : \_\_\_\_\_

College/Industry Detail: \_\_\_\_\_

Category :  
(Student/Research Scholar/Academician/Industry)

Address For Correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contact no : \_\_\_\_\_

Payment Details : \_\_\_\_\_

Direct Transfer (QR Code)/ Bank Transfer details to be given  
Bank Transfer/ QR Code (transaction id):  
Bank:  
Amount in Rs:

Date                      Signature of Participant

Candidate shall email the scanned application form along with the  
payment/transaction details on [ncipc2023@walchandsangli.ac.in](mailto:ncipc2023@walchandsangli.ac.in)  
before 30th November 2023.

For Payment of registration fees use following details

**Address for Correspondence**  
**To,**  
**Organizing Chair, NCIPC 2023**  
Conference Chair,  
Walchand College of Engineering, Sangli,  
Maharashtra, INDIA-416415

(www.walchandsangli.ac.in)  
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