

INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND APPLICATIONS(ICICA 2020)



December 22nd -24th, 2020

ORGANIZED BY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
&DEPARTMENT ELECTRICAL ENGINEERING

GOVERNMENT COLLEGE OF ENGINEERING KEONJHAR-758002, ODISHA, INDIA
(A constituent college of BPUT, Odisha)

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ABOUT GCE

GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR stands in pride and honour imparting the true colours of learning and wisdom. Having its footsteps in one of the oldest Technical Institute, **Government College of Engineering (GCE), Keonjhar**(Formerly known as Orissa School of Mining Engineering, Degree Stream) is the only Government College providing Engineering and Technical education in North Odisha. GCE, Keonjhar was established in year 1995, having seven branches with quality education & well-equipped laboratory facilities.

In the year 2006, the Government of Odisha declared it as a constituent college of Biju Patnaik University of Technology, Odisha under self-sustaining mode to develop it as a center of excellence in the field of Engineering & Technology.

GCE, Keonjhar has been marked as an institute of national importance and the only Government College in the state of Odisha offering B.Tech.in Mining Engineering and Mineral Engineering. Government of Odisha declared it as a full- fledged Government Engineering College in the Year 2011 observing its rising excellence and potentiality in growth.



ABOUT DEPARTMENTS-

• DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING-

The Department of Computer Science and Engineering was established in 2015 and is renowned for imparting state of the art undergraduate education and preparing its students for solving real world challenges. Computer Science is the systematic study of the theoretical foundations of information and computation and of practical techniques for their implementation and application in computer systems. On the other hand, Computer Engineering has its roots in Electrical and Electronics Engineering. It deals with the study of interaction of various devices among themselves and with the computer. Apart from the regular courses, the department also conducts workshops, training programs and conferences to provide best technical skills and software engineering ethics.



- **DEPARTMENT OF ELECTRICAL ENGINEERING-**The Department of Electrical Engineering started in the year 1997.

In the higher semesters advance courses such as advanced control system, advanced power system (FACTs, HVDC, Power Quality, Protection and transients), soft computing (Neural Network, Fuzzy Logic, genetic algorithmic), Signal Processing, Power Electronics and applications are offered. Apart from the subject course curriculum, the Department stress upon B. Tech. projects on advanced research areas covering control systems, power systems and optimization. Both simulation and experimental based projects are encouraged to create a research ambience among the undergraduate student community.



SCOPE OF THE CONFERENCE-

The **6th International Conference on INTELLIGENT COMPUTING AND APPLICATIONS(ICICA 2020)** aims to bring together researchers, scientists, engineers, and scholar students to exchange and share their experiences, new ideas and research results about all aspects of Electrical Engineering and Computer Science Engineering especially relevant to Power circuit, Artificial Intelligence and its information.

In addition to the discussions during the conference, ample opportunities will be available for interaction with professionals and researchers to share the operational experiences and views on the key issues in electric energy, power engineering, power electronics technology, power communication, smart grid, micro grid, and advanced computing.

BENEFITS-

The selected original papers presented in the conference will be published in Springer series "Advances in Intelligent Systems and Computing" (AISC) [Pending Approval] which is Scopus indexed.

Awards will be given for the best research paper.

CALL FOR PAPERS-

Scientists, academicians and researchers working in their research areas are invited to present their research results, designs, innovative development applications, case studies, reviews etc. in the conference. The paper should state the objectives of the work, the manner in which the specific results obtained and the significance of those results. Full paper as per the AISC format should be submitted to **EasyChair** https://easychair.org/icica_2020 which details are given in the website

Original Contributions are solicited on topics covered under broad areas such as (but not limited to):

- Expert Systems
- Digital Image Processing
- Watermarking
- Information Retrieval
- Mobile Computing
- Multimedia Applications
- Security & Cryptography
- Software Engineering & CASE
- Soft Computing Applications in Power Systems
- Optimization in Power System Modeling & Control
- Artificial intelligence FACTS Devices - Applications in Power System
- Power System Stability and Switchgear and Protection
- Power Quality Issues and Solutions
- Smart Grid
- Green and Renewable energy technology
- Optimization techniques in Electrical Systems
- Soft Computing in Efficient Energy Utilization and Energy Auditing
- Soft computing Power Electronics Controllers for Power Systems
- Optimization techniques in Power Converters and Modeling
- High Voltage Engineering
- Diagnosis and sensing systems
- Robotics
- Electrical Machines and Adjustable Speed Drives
- Embedded Control of Converters and Drives
- PMBLDC Drives and SRM Drives
- Signal/Image processing
- Biomedical instrumentation
- Pattern recognition
- VLSI/Embedded Systems
- Nano Technology and MEMS
- Nanoelectronics/Devices
- Photonic/Opto-Electronic Structures/Devices
- Digital Communication and Telecommunication
- Microprocessor based Technologies.
- Networking
- Grid and Cloud Computing
- DNA and Mobile Computing

- High throughput Computing
- Data Structures & Algorithms
- Artificial Intelligence and Expert Systems
- Automated Software Engineering
- Bioinformatics and Scientific Computing
- Computer Architecture and Embedded Systems
- Computer Graphics & Virtual Reality
- Computer Networks & Security& Cryptography
- Computer-aided Design/Manufacturing
- Data Compression, Data Encryption, Data Mining
- Digital Signal Processing and Image Processing
- Distributed Systems
- Watermarking
- Information Retrieval and Multimedia Applications
- Software Engineering & CASE

IMPORTANT DATES

Submission of full paper	25 th September 2020.
Notification of acceptance	1 st November 2020
Registration and camera-ready copy submissions	15 th November 2020

PARTICIPATION & DELEGATE FEES

Indian Delegates	Researcher / Student	INR 5000/-
	Academic	INR 6000/-
	Industrial	INR 7000/-
Foreign	Foreign Delegates	US \$200
	Students	US \$150

❖ Registration fee details are given in the website

Prominent Speakers

- Dr. P N Suganthan, NTU Singapore
- Dr. Ivan Zelinka, VŠB-TUO Czech Republic
- Dr.Swagatam Das, ISI Kolkata, India
- Dr B K Panigrahi, IIT DELhi
- Dr.AhamedZobaa, UK

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Patron

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WAY TO GCE, KEONJHAR



TOURIST PLACES

Keonjhar is on Northern Odisha of India and 220 kms by road from Bhubaneswar, the capital of Odisha. The nearest airport to Keonjhar is Bhubaneswar. Keonjhar is well connected with Bhubaneswar by road and rail. Keonjhar is enriched with huge mineral resources and is a wonderful place of tourism surrounded with natural beauty of mountains, waterfalls and forests. GCE, Keonjhar is situated near the famous Sanghaghra waterfall in the foothill of a beautiful mountain with pleasant climate round the year in Keonjhar.

International Conference on Intelligent Computing and Application

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Registration Form

Name : Prof./Dr./Mr./Ms.....
Gender : Male / Female
Designation :
Dept. / Organisation :
(With postal address) :
Accommodation : Yes ☐ No ☐
E-mail :
Phone : (R) (O)
Mobile :
Author : ☐ Yes ☐ No
Paper Title & No :
Registration Fee :
Demand Draft details : No: Bank: Dated:
Place
Date

Signature of the Candidate

Seal & Signature of the Sponsoring Authority