



INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE FOR SMART POWER SYSTEM AND SUSTAINABLE ENERGY

APRIL 23th -25th, 2020,
CISPSSE-2020

SPONSORED BY

TEQIP – III

Technical Education Quality Improvement Programme



ORGANIZED BY –

DEPARTMENT OF ELECTRICAL ENGINEERING & DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING

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

And

INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI, MAHARASTRA, INDIA

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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,Keonjharwas 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 ELECTRICAL ENGINEERING**-The Department of Electrical Engineering started in the year 1997. The 4-year B.Tech. course study includes fundamentals of Electrical Engineering embedded with Electrical Machines, Power System, Power Electronics, Control, Electronics, Communication, Signal processing and Artificial Intelligence. In the lower semesters, basic courses such as

basic electrical engineering, Circuit analysis are offered for building the foundation blocks. 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.



- **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.



SCOPE OF THE CONFERENCE-

The **First International Conference on Computational intelligence for Smart Power System and Sustainable Energy (CISPSSE-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-

All the original accepted research articles will be submitted to IEEE Xplore Digital Library for Publication. **Extended version of the paper will be published in Scopus/ESCI/SCI Journals.**

Awards will be given for the best research paper as well as for the best paper presentation.

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 IEEE format should be submitted to **EasyChair** <https://easychair.org/conferences/?conf=cispsse2020> or by email which details are given in the website. Submission of papers can be preferred before the deadline. Papers must NOT have been previously published or currently submitted for presentation or publication elsewhere.

There are three tracks-

TRACK-1: Smart Grid and Sustainable Energy-

- Smart Grid Technologies and Applications
- Power Electronics, Systems and Applications
- Energy Storage Technologies and Systems
- Renewable Energy sources
- Computational Intelligence and Optimization
- Smart Electric Vehicles
- Cyber Security in Modern Power System
- Power System Operation, Stability and Control
- Distributed power system & Power Quality
- Process Control Systems
- Electrical Machines and Drive Systems
- Emerging technologies in power electronics

TRACK-2:Artificial Intelligence-

- Artificial Intelligence & Soft Computing
- Automated Software Engineering
- Distributed Systems and IOT
- E-commerce and E-governance
- Bioinformatics and Scientific Computing
- Expert Systems&System Security
- High Performance Computing
- Data Mining and Cloud Computing
- System Security

TRACK-3:Electronics and Communication

- Digital Signal and Image Processing
- Machine Learning and Data Analytics
- Nanotechnology
- Circuit, Sensors and Systems
- Digital System and Logic Design
- Wireless Communication and Mobile Computing
- Robotics and Automation
- Computer Architecture
- Instrumentation & Feedback Control System

IMPORTANT NOTE-

Each session will be preceded by plenary lectures from eminent speakers.
All selected original papers of the CISPSSE-2020 conference after peer reviewed will be published in *IEEE Xplore Digital Library(Scopus indexed)*.
Extended version of the paper will be published in Scopus/ESCI/SCI Journals.

IMPORTANT DATES-

Revised Paper submission :March 15, 2020
Acceptance Notification : March 20, 2020
Registration and camera ready: March 30, 2020
Release of conference schedule: April 10th, 2020

PARTICIPATION & DELEGATE FEES-

Particular	Students		Academia		Industry	
	Indian INR	Overse as USD	Indian INR	Overse as USD	Indian INR	Overseas USD
IEEE/Non-IEEE Member	3500/4000	200/250	4500/5000	250/300	7500/8000	350/400

Registration fee can be paid by DD / account payee in the favour of CISPSSE 2020 and for more details visit www.cispsse.com

Prominent Speakers

- Dr.Brayima Dakyo, Le Havre University, France
- Dr.IIhamiColak, NU, Turkey
- Dr.Mahamadou Abdou Tankari, Paris-Est Creteil University, France
- Dr. Ramazan Bayindir, Gazi University, Turkey
- Dr.Swagatam Das, ISI Kolkata, India
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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 Sanghagraha waterfall in the foothill of a beautiful mountain with pleasant climate round the year in Keonjhar.

**International Conference on Computational Intelligence for
Smart Power System and Sustainable Energy**

CISPSSSE-2020

April 23rd -25th, 2020

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Place

Date

Signature of the Candidate

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