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TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

(Approved by AICTE, Recognized by Govt. of Maharashtra & Affiliated to RTM Nagpur University)

DTE Code: 4151



ICIREST-19
5th International conference
on
Innovation & Research
in Engineering, Science & Technology
22nd & 23rd March, 2019

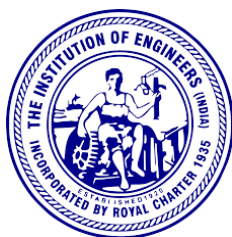
CONFERENCE SUMMARY REPORT



in association with

The Institution of Engineers(India)

**Indian Society for Technical Education
New Delhi**



ABOUT ICIREST 2019 INTERNATIONAL CONFERENCE



Inaugural Ceremony ICIREST 2019



Dignitaries Of ICIREST 2019



Discussion panel of ICIREST 2019



Guest Felicitation ICIREST 2019



Participants of ICIREST 2019

The 5th International Conference on Innovation & Research in Engineering, Science & Technology has conducted its work successfully this time in TGPCET Nagpur, India.

The ICIREST2019 was technically sponsored by Indian Society for Technical Education, New Delhi (ISTE), The Institution of Engineers (INDIA) IEI.

Fifth International Conference ICIREST-2019 is aimed at providing a forum to bring together research student, researchers, scientists, software architects, and industry professionals to discuss innovative ideas and diverse topics on next generation of information technologies and services. In this years ICIREST was joined by hundreds of participants from about 50 countries including Australia, Azerbaijan, China, Finland, Georgia, Germany, India, Iran, Italy, Japan, Kazakhstan, Korea, Malaysia, Pakistan, Philippines, Portugal, Romania, Russia, Sweden, Senegal, Thailand, Turkey, United Kingdom, United States, etc.

Building on the success of this conferences which were held in TGPCET has become the most widescale, extensive, spectacular event in ICT-related conference history hosted by its high level and the large size of participation. Three days conference is held in seven different tracks: ACUMEN, ICETCE, ICRTEE, Techscienta, Techantra, Techotronics, Techsoft.

Hundreds of attendees, paper presenters, keynote and tutorial participants, students have benefited in many ways from this conference. More than 100 scientific papers were presented by authors from different countries. Ten Invited, Keynote and Tutorial Speakers from different committees International and National

Dr.Nitin Goje, Professor, Dept.of computer science Chihan university, Erbil, Er. Anand Khanzode, Head of Learning & development, Doha, Qatar, Dr.Dada Peer Bashir, Associate Professor, Harmaya University, Ethiopia, Dr.Faizur Rashid, Professor Harmaya University, Ethiopia .our Keynote speaker is Prof.Alok Prakash Mittal, Member Secretary, All india council for Technical Education, Prof D.P Singh, Chairman Ministry of Human Resource Development, Govt.of India, Dr.Siddhartha vinayaka P.Kane, Vice Chancellor, Nagpur university, Yudhisthir Sahoo General Manger (Air Traffic Management) Airport Authrity of India DBAI Airport, Nagpur addressed to audience and shared knowledge and rich experience of application of ICT in their companies and countries.

CONFERENCE SCOPE

ICIREST2019 topics include, but are not limited to, the following research and development areas/fields (more than 80 topics) classified into 7 Tracks:

- Smart Grids
- IOT
- Power Generation and systems
- Advanced Energy Technologies
- Power Generation and system
- Energy Management
- Policy and Economics
- Energy Storage
- Artificial Intelligence

As a result many Keynote, Tutorial and Technical Sessions have been prepared in accordance with conference scope to discuss the Challenges, Opportunities and Problems of Application of in various fields.

WELCOMING AND OPENING CEREMONY



Prof. Alok Prakash Mittal,

The first day of conference started with Welcoming and Opening Ceremony by **Prof. Alok Prakash Mittal**, Member Secretary, All India Council for Technical Education .Mr. **Tetsufumi Kawade** Dy. Managing Director , and hosting the Chair addressed to participants with short welcoming speeches.

Prof. D.P.Singh, Chairman, Ministry of Human Resource Development, Govt. India



Dr.G.S.Khadekar

Dr.Siddharthavinayaka P.Kane, Ph.D, Vice Chancellor, Nagpur University

Mr.Yudhisthir Sahoo, General Maneger (Air Traffic Management)
Airports Authority of India
DBAI Airport, Nagpur

Dr.G.S.Khadekar

Dean, Faculty of science & Technology
RTM Nagpur University, Nagpur



Mr.Yudhisthir Sahoo

Dr.G.K.Awari

Head of Department, Automobile Engineering
Government Polytechnic ,Nagpur

ICIREST TRACKWISE INAUGURATION AND PRESENTATION



Techsoft-19 Computer Science & Engg.

Techsoft-19 5th International Conference on Emerging in Computer Engineering.

Mr. Ashish Karwedkar, Dept of I.T., Senior Manager SAP, Mohawk industries, US

IOT Based Health Care System

Abstract: Public healthcare has been paid concentration on increasing the exponential growth of human population and medical expenses. Advances in wireless sensor network and electronics have led to the rise of wireless network (WSNs). WSN have been deliberated as one of most important technologies that can change the future. These Network consist of small battery-low powered nodes with limited computation and radio communication capabilities.



Tech Tantra-19 Mechanical Engineering

Tech Tantra-19 5th International Conference on Emerging Trends in Mechanical Engineering

Dr. V.M Athawale, ASSO. Prof, Dept of M.E., Govt. College of Engg., Nagpur.

Design and static analysis of shock absorber for different parameters and material using ANSYS

Abstract: Main purpose of shock absorber in an automobile is to smooth out or reduce shock impulse and dissipate kinetic energy. The effect of travelling over pit holes and rough surface is reduced while quality of ride and comfort is improved by using shock absorber which reduces the amplitude of disturbances. When a rolling vehicle crosses a speed breaker or bump, the spring of shock absorber gets compressed and then immediately rebound back leading to lift.



ICRTee-19 Electrical Engineering

ICRTee-19 5th International Conference on Emerging Trends in Electrical Engineering

Prof. Pranita p. Chavan,

Electrical Department Mumbai University, India

Energy Management Strategy for Standalone DC Micro Grid

Abstract: As the demand of electricity is increasing day by day is already more than the production of electricity whereas reserves of fossil-fuel are depleting, there is strong need to shift for other sources which are renewable energy sources. Regarding this, DC micro grids and their energy management of these renewable energy sources have gained more importance. which discussed in this paper.



Techo-Tronics-19 Electronics & Comm. Engg.

Techo-Tronics-19 5th International Conference on Encouraging Innovation and Entrepreneurship in Communication Engineering

Prof. Nitin s. Sawarkar, Asst. Professor, Priyadarshani, Nagpur

Evaluation of Vertical Axis Maglev Wind Turbine

Abstract: This project dwells on the implementation of an alternate configuration of a wind turbine for power generation purposes. Using the effects of magnetic repulsion, spiral shaped wind turbine blades will be fitted on a rod for stability during rotation and suspended on magnets as a replacement for ball bearings which are normally used on conventional wind turbines.



ICETCE-19 Civil Engg.



Techscientia-19 Applied Science & Mathematics

**ICETCE-19 5th International Conference on Emerging Trends in civil
Why Would Nepal opt for Hydropower Technology over other
Energy Technologies.**

Abstract: Nepal boasts snowy mountain in the north which establishes the country as second richest in water resources in the world after Brazil as it as perennial source for many free-flowing rivers. Nepal has an immense number of natural energy resources, but hardly fraction resources contribute to less than 1.0% of total energy consumption.



ACUMEN-19 MBA

**Techscientia-19 5th International Conference on Emerging Trends in
Applied Science & Mathematics**

**Prof.A.Y.Shaikh,Department of Mathematics,Indira Gandhi
Mahavidyalaya, Ralegaon**

**Binary Mixture of Perfect Fluid and dark Energy in a modified
theory of gravity**

Abstract: A self consistent system of five dimensional Kaluza-Klein gravitational field and abinary mixture of perfect fluid and dark energy in a modified theory of gravity has been considered. The perfect fluid is taken to be the one obeying the usual equation of state.



ACUMEN-19 MCA

**ACUMEN-19 5th International Conference on Innovation & Research
In Engineering Science & Technology**

Mr.Rajesh Tiwari Gs.college, Nagpur India

Abstract: Entrepreneurship as an ingredient of economic development is now recognized. A number of financial institutions provide support to women enterpreneuers.

CONCURRENT TECHNICAL SESSIONS



Paper Presentation Session

Hundreds of attendees, paper presenters, keynote and tutorial participants, students have benefited in many ways from this conference. More than 100 scientific papers were presented by authors from different countries in Technical Sessions that were held in All accepted papers had been categorized into the following six sessions:

- CYBER SECURITY ISSUES
- LATEST TRENDS IN ICT APPLICATION
- BIG DATA, DATA MINING AND DATA ENGINEERING
- COMMUNICATION, NETWORK AND HARDWARE
- ICT IN GOVERNANCE, BUSINESS ADMINISTRATION, FINANCE AND ECONOMY
- ICT IN EDUCATION, HUMANITIES, SOCIAL SCIENCES AND RESEARCH



Technical paper Evaluation by Judges

ACKNOWLEDGEMENTS



The General Chair of the expressed deep gratitude on behalf of Organizing and Steering Committees also National and international Advisory committee. We also extended our gratitude to all the staff members of TGPCET which worked all together and extremely hard to prepare an outstanding conference.

Tender thanks were expressed to students the members Tulsiramji Gaikwad-Patil college of Engineering Volunteering Club, who did impressive and dedicated work.

Finally, sponsors of ICIREST20149 were handed with honor plaques: Gokul Academy of Science, Bhartiya Geevan Bima Nigam, Sainath Blood Bank, Shubh Yatra,94.3 My FM.



Awardees



VELEDICTORY FUNCTION



Vote of Thanks by Dr. Geeta Gaikwad



Feedback by Student



Feedback by Student

The 5th International Conference on "Innovation and Research in Engineering, Science & technology INIREST2019" is now drawing to a close. I would like to take this opportunity to extend our sincere gratitude and appreciation to all of you, for your invaluable contributions in making this event a great success. We hope the past three days have been fruitful and that you will be able to make the most from the sessions you attended. Through a wide range of keynote speeches, tutorials, and discussions, we have been presented with new ways to deal with some of the challenges in Application of ICT. We hope that you shared your experiences and expertise with other participants from near and far, and that a cordial relationship established among us during the ICIREST2019.

But, of course, the real measure of this conference success lies in how it will affect you - our participants, or more precisely, how it will affect the actions you will take after you leave TGPCET. We look forward to further building partnerships with you and your organizations. I hope that all of us will continue what we have started here these days. Before I conclude, I would like to invite all of you for the next 6th International Conference.

Thank you for being here in great city Nagpur with us and have a safe journey home.