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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



**ICIRSET-18**  
4<sup>th</sup> International conference  
on  
Innovation & Research  
in Engineering, Science & Technology  
23<sup>rd</sup> & 24<sup>rd</sup> February, 2018

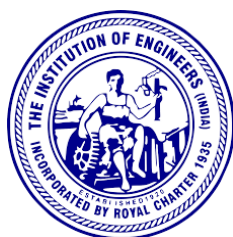
**CONFERENCE SUMMARY  
REPORT**



in association with

The Institution of Engineers (India)

Indian Society for Technical Education  
New Delhi



## ABOUT ICIRSET 2019 INTERNATIONAL CONFERENCE



Inaugural Ceremony ICIRSET 2018



Lightning ceremony Of ICIRSET 2018



Group Photograph of ICIRSET 2018



Guest Felicitation ICIRSET 2018



Participants of ICIRSET 2019

The 4th International Conference on Innovation & Research in Engineering, Science & Technology has conducted its work successfully this time in TGPCET Nagpur, India.

Fourth International Conference ICIRSET-2018 is aimed at providing a platform to share the needs of industries with the changing time and the role of technical education and institution to cater those needs. The conference will include professors and industrialities from national and international institutions/industries. Paper will be presented by Research Scholars, Faculty members and industry personnel.

Building on the success of these conferences which were held in TGPCET has become the most wide-scale, 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.

Hon'ble Dr.S.M.Salodkar, Vice-chancellor APJ Abdul Kalam university, Indore Madhya Pradesh, Hon'ble Dr.Narendra S.Chaudhari, Director IIIT, Nagpur, Group captain Siddharth Mandal, BrahMos Aerospace DRDO, Dr.Vijay N.Waghmare, Director addressed to audience and shared knowledge and rich experience in the teaching and industries.

International Advisory Committee

- 1.Zalri Ismael Rizman(University Technology MARA(UTM) (Terengganu) Malaysia)
- 2.Yuan Sun(Associate Professor,School of business Administration) Zhejiang Gongshang University China)
- 3.Dr.Vudra Sreenivasarao (Professor in School of computing and electrical science,Bahir Dar University, Bahir )
- 4.Dr.P Sanjeevi Kumar (Ph.D(UniBO.Italy) Member IEEE & MIUR Research fellow)
- 5 .Dr.Naseer Fegh-hi Farahmand(Department of industrial Management,Tabriz Branch,Islamic Azad,university,Tabriz,Iran)

## ICIREST TRACKWISE INAUGURATION AND PRESENTATION



**Techsoft-18 Computer Sci.Engg.**



**Tech Tantra-18 Mechanical Engineering**



**ICRTEE-18 Electrical Engineering**



**Techo-Tronics-18 Electronics & Comm. Engg.**

### **Techsoft-18 4<sup>th</sup> International Conference on Emerging Trends in Computer Engineering.**

**Prof.Pravin Ghatode, Master of computer application, G.H. Raisoni college of Engineering**

#### **An Analytical study of Mongo DB over MySQL Data bases**

**Abstract:** The relational database has been the foundation of enterprise applications for decades and since MySQL release in 1995 it has been popular and inexpensive option. yet with the explosion in the volume and variety of data in recent years now relational database technologies like mongo DB have emerged to address the requirements of new applications. Mongo DB is used for new applications as well as to augment or replace existing relational infrastructure. In this paper we will try to present comparative study of non relational databases and relational databases.

### **Tech Tantra-18 4<sup>th</sup> International Conference on Emerging Trends in Mechanical Engineering**

**Pritesh Yeole, Northumbria University Newcastle, London**

#### **A review for self-Awareness and continuous self Development**

**Abstract:** This paper reviews the importance of self awareness and continuous self development in the development of an individual as a manager and a leader .It focuses on how self awareness and continuous self development will help an individual to overcome his weaknesses and make him a better future leader and manager. The paper adds to the assortment of information on the manners by which the managers can be upheld in their advancement of intelligent Practice.

### **ICRTEE-18 4<sup>th</sup> International Conference on Emerging Trends in Electrical Engineering**

**Prof.Anil Tekale, Assistant Professor, Savitribai Phule University, India**

#### **Automatic Fault Detection and Protection in Three Phase Induction Motor**

**Abstract:** An induction or asynchronous motor is an AC electric motor in which the electric current in the rotor needed to produce torque is obtained by electromagnetic induction from the magnetic field of the stator winding. various studies have shown that anywhere from 70% to as high as 90%, of faults on most overhead lines are transient. Three phase induction motors are industrial work horses responsible for consumption of 40-50% of generated electrical power.

### **Techo-Tronics-18 5<sup>th</sup> International Conference on Encouraging Innovation and Entrepreneurship in Communication Engineering**

**Prof.Nitin s. Sawarkar, Asst. Professor, Priyadarshani, Nagpur**  
**Error Detection in Majority Logic Decoding of Euclidean Geometry Low Density Parity Check(EG-LDPC) codes**

**Abstract:** Error Detection in memory applications was proposed to accelerate the majority logic decoding of difference set low density parity check codes. This is useful as majority logic decoding can be implemented serially with simple hardware but requires large decoding.



**ICETCE-18 Civil Engineering**

**ICETCE-18 4<sup>th</sup> International Conference on Emerging Trends in civil**

**Effect of material properties on the Mechanical, Thermal and Acoustic properties of Hollow Blocks:A Review**  
**Purnachandra saha, Faculty ,civil Engineering,KIIT Bhubaneshwar,Odisha**

**Abstract:** Masonry is one of the most comm. only use construction for the walls of buildings retaining walls and monuments. At first only clay blocks were used as masonry units, later on cement based concrete blocks were developed. Hollow brick is defined as having greater than 25 percent and at most 60 percent void areas.



**Techscientia-18 Applied Science & Mathematics**

**Techscientia-18 4<sup>th</sup> International Conference on Emerging Trends In Applied Science & Mathematics**

**Prof.P.B.Shingwekar,Department Chemical Technology, SGB university, Amravati**  
**Petroleum Products:Composition and uses**

**Abstract:** Most people associate petroleum with transposition, but we are surrounded by thousands of other everyday products, that come from petroleum. According to composition of the crude oil and depending on the demand of market, refineries can produce different type of products.



**ACUMEN-18 MBA**

**ACUMEN-18 5<sup>th</sup> International Conference on Innovation & Research in Engineering Science & Technology**

**Ms.Karishma Jaronde PG student, TGPCET**

**Abstract:** India banking industry is led by public sector banks with 80 percent market share. The present study is to compare the financial performance of IDBI Bank with the industry averages on financial ratios for the period 2011-12 to 2015-16.

**CONCURRENT TECHNICAL SESSIONS**



**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:



**Presentation Session**

- 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

## ACKNOWLEDGEMENTS



Felicitation of Guest



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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 ICISSET2018 were handed with honor plaques: Gokul Academy of Science, Bhartiya Geevan Bima Nigam, Sainath Blood Bank, Shubh Yatra, 94.3 My FM.

## AWARDEES



Felicitation of participant

## VALEDICTORY FUNCTION



**Student Feedback**

The 4<sup>th</sup> International Conference on “Innovation and Research in Engineering, Science & technology INIRSET2018” 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 ICIRSET2018.



**Vote of Thanks by Dr. Roshani Singh**

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 6<sup>th</sup> International Conference .

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



**Participant Feedback**