

International Conference on Recent Challenges in Engineering Science and Technology-2K21

(ICRCEST-2K21)

Organized by Ramachandra College of Engineering, Eluru, Andhra Pradesh 09th -10th April 2021

Post Conference Report

Event Summary

Event Name: International Conference on Recent Challenges in Engineering Science and Technology-2K21

Date: 09th and 10th April 2021.

Conference Organisers: Ramachandra College of Engineering &IFERP

Delegates: 64 Papers Registered(3 Listeners Registered).

Overview

ICRCEST-2K21 Organized By Ramachandra College of Engineering &IFERP was Held on 09th and 10th April 2021as Virtual Conference and It was held under the Auspices Keynotes **Prof. Seifedine Kadry**, Professor of Data Science, Noroff University College, Norway and **Prof. Jemal Hussein**, Full Professor at Faculty of Science Engineering and Built Environment, Deakin University, Australia.

Theme For The Conference:

The theme of this conference revolves around bringing engineering, technology and science research areas synchronically on an indivisible platform. This conference will draw collectively research fellowships from diverse fields in unitedness, to share their research findings and latest ideas. The main intention of this conference is to integrate interdisciplinary inquiry to deliver the best applications.

The Conference Attracted 105 Authors of Various Fields to come forward to register for ICRCEST-2K21, Which Includes Students, Faculties, Research Scholars from various departments of Various categories like UG &PG Students, Researchers, Technical Persons from Industries, Professors &Heads and so on. Most of the presentations were Adhered with various Engineering domains of Electrical, Electronics, Computer Applications and Civil.

Delegate Registrations:

Total Abstracts: 106

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Abstracts from Abroad Countries:

Ethiopia

Registered: 67

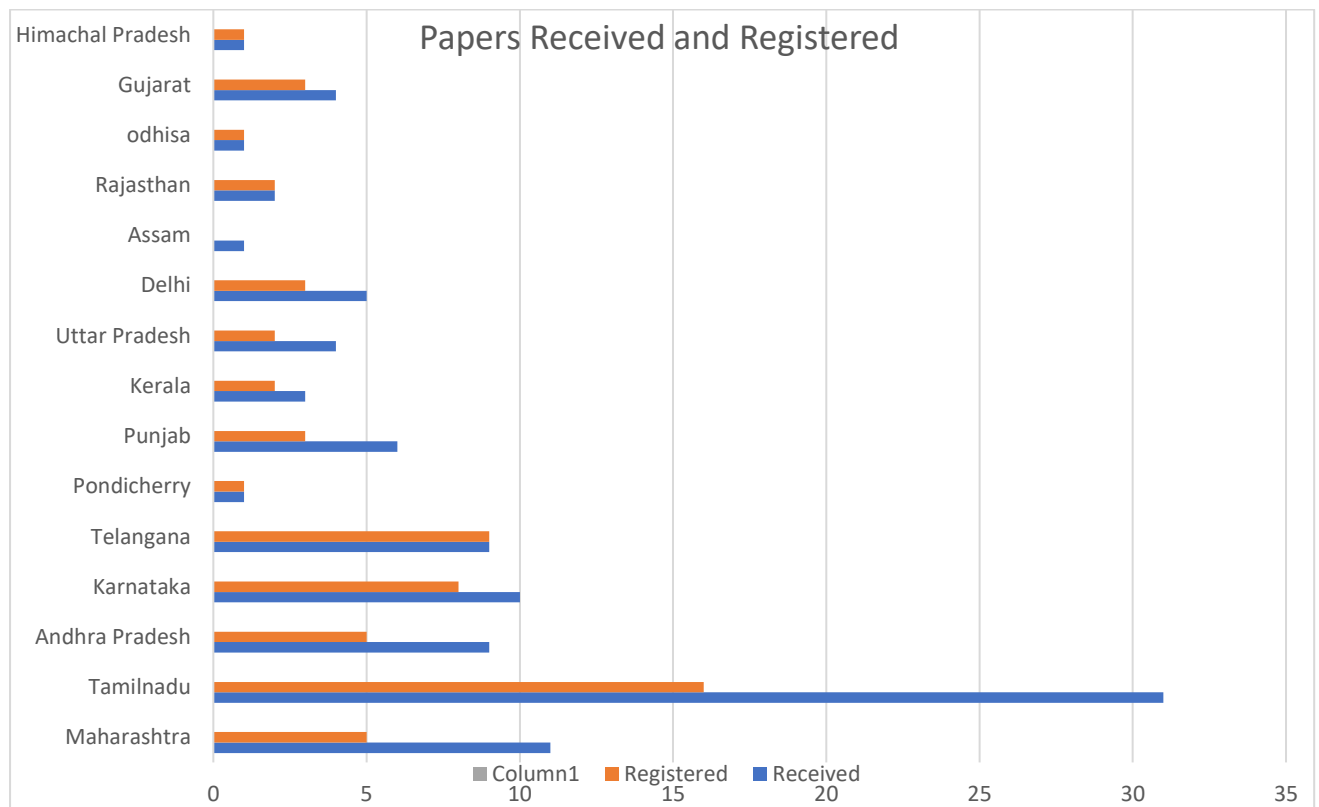
Abstracts Registered from Abroad Countries:

Ethiopia

Virtually Presented: 61

With 2 Keynotes and 4 Session Chairs which Includes only External who made the Sessions as Knowledge Packed with various Questionnaires and Discussions with presenters.

Abstract Received and Registered Status State wise:



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Abroad Abstracts Received and Registered:

- From Ethiopia Received two Abstracts and one got Registered.

Conference Committee:

CHIEF PATRON

Sri Ganta Ramachandra Rao, Chairman, Ramachandra College of Engineering, Eluru, AP.

Sri K. Venu Gopal, Secretary, Ramachandra College of Engineering, Eluru, AP.

PATRON

Sri Dr. Dola Sanjay S, Principal, Ramachandra College of Engineering, Eluru, AP.

CONVENERS

Dr. L Bharathi, HOD – ECE, Ramachandra College of Engineering, Eluru, AP.

COORDINATORS

Mr J Prasanth Kumar, Associate Professor – ECE, Ramachandra College of Engineering, Eluru, AP.

Mr R Durga Prasad, Associate Professor – ECE, Ramachandra College of Engineering, Eluru, AP.

STEERING COMMITTEE MEMBERS

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Dr. N SangeethaPriya, Associate Professor – ECE, Ramachandra College of Engineering, Eluru, AP.

Dr V Surya Narayana, Professor – CSE, Ramachandra College of Engineering, Eluru, AP.

Dr S Jaya Lakshmi, Professor – EEE, Ramachandra College of Engineering, Eluru, AP.

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Pradesh 09th -10th April 2021**

Dr J Ranga, Professor – EEE, Ramachandra College of Engineering, Eluru, AP

Dr Shameena Begum, Professor – CSE, Ramachandra College of Engineering, Eluru, AP.

National Advisory Committee

Dr. Chellapilla Kameswara Rao, Professor, Nalla Narasimha Reddy Engineering College, Hyderabad.

Dr. T.S. Arulananth, Professor, MLR Institute Of Technology, Hyderabad.

Dr. Naveen.N.C, Professor and Head, JSS Academy Of Technical Education, Bangalore.

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Dr. S. Harikrishnan, Professor and Head, Kings Engineering College, Chennai.

K.Sujatha, Professor, Dr. MGR Educational & Research Institute, Chennai.

Dr. M. Krishna, Professor, Sir C.R.Reddy College Of Engineering, Eluru, AP.

Dr. Geeta R. Bharamagoudar, Professor, KLE Institute Of Technology, Huballi, Karnataka.

Dr. Karabi Sikdar, Professor, BMS Institute Of Technology & Management, Bangalore.

Dr. P.K.Chidambaram, Professor, New Prince Shri Bhavani College Of Engineering And Technology, Chennai.

Dr. C. Christofer Asir Rajan, Professor, Puducherry Technological University, Puducherry.

Dr A. Sudhakar, Professor, Marri Laxman Reddy Institute Of Technology, Hyderabad.

Dr. Bollu Satyanarayana, Professor, VNR Vignana Jyothi Institute Of Engineering And Technology, Hyderabad.

Dr.S. Sathiya Priya, Professor, Panimalar Institute Of Technology, Chennai.

Dr. A. Meenakabilan, Professor, Sri Sairam Engineering College, Chennai.

Dr.Sudarshan Rao K, Professor, Shri Madhwa Vadiraja Institute Of Technology And Management, Udupi, Karnataka.

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Dr. E. Saravana Kumar, Professor, The Oxford College Of Engineering, Bangalore.

Dr. V. Vijaya Kishore, Professor, Ravindra College Of Engineering For Women, Kurnool.

Dr. Sanjay Pande M.B, Professor, G M Institute of Technology, Mysore.

Murugeswari.B, Professor, Velammal Institute Of Technology, Chennai.

Dr. Amit Bindaj Karpurapu, Professor and Head, Swarna Bharathi Institute Of Science And Technology, Khammam, Telangana.

Dr. Sunitha M R, Professor, Adichunchanagiri Institute Of Technology, Chikmagalur, Karnataka.

Dr. S.Sankara Gomathi, Professor, Adhi College Of Engineering And Technology, Chennai.

Dr. R. Anandan, Professor, Vels Institute Of Science, Technology And Advanced Studies, Chennai.

Dr. V. Karthikeyan, Professor, Academy Of Maritime Education And Training, Chennai.

Dr. Kavitha Rani Paramasivan, Professor, Sri Krishna College Of Engineering And Technology, Coimbatore.

Dr. A V Krishna Prasad, Professor, MVSR Engineering College, Hyderabad.

Dr. A. Abdul Rasheed, Professor, CMR Institute Of Technology, Bangalore.

Dr. Rathnakar. G, Professor and Head, ATME College Of Engineering, Mysore.

Dr. Mahesh Kr. Porwal, Professor and Dean, Sree Chaitanya College Of Engineering, Hyderabad.

Dr. Yogesh Yashwant Pundlik, Professor, Kamala Institute Of Technology And Science, Hyderabad.

Dr.S. Ravichandran, Professor, Sreenidhi Institute Of Science And Technology, Hyderabad.

Dr.S. Marichamy, Professor, Sri Indu College Of Engineering And Technology, Rangareddy.

Dr Abdul Majid, Professor and Head, Dr. Sri Sri Sri Shivkumara Mahaswamy College Of Engineering, Bangalore.

Dr. Priya Murugesan, Professor and Head, Saveetha Engineering College, Chennai.

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Dr.K.B.V.S.R.Subrahmanyam, Professor and Dean, DNR College Of Engineering And Technology, Bhimavaram.

Dr. Shrija Madhu, Professor and Head, Godavari Institute Of Engineering And Technology, Rajahmundry.

Dr. N. Victor Babu, Professor and Head, Baba Institute Of Technology And Science, Visakhapatnam.

Dr. Hemachandran K, Professor and Head, Ashoka Institute Of Engineering And Technology, Hyderabad.

Dr. M. Vijaya Sekhara Babu, Dean, Godavari Institute Of Engineering And Technology, Rajahmundry.

Dr. C.R.Balamurugan, Professor and Head, Karpagam College of Engineering, Coimbatore.

Dr. Adiline Macriga. G, Professor, Sri Sairam Engineering College, Chennai.

Dr K.Balaji, Professor and Head, Surana College, Bangalore.

Dr. M. RANGA RAO, Professor, PSCMR College of Engineering and Technology, Vijayawada.

Dr. N. Kumaraswamy, Professor and Dean, Vasireddy Venkatadri Institute of Technology, Guntur.

Dr. R V Parimala, Professor and Head, BNM Institute of Technology, Bangalore.

Dr. D. Muruganandam, Principal, Sri Venkateswaraa College of Technology, Chennai.

Dr. P.A. Harsha Vardhini, Professor, Vignan Institute of Technology & Science, Hyderabad.

Dr. P. SELVARAJ, Professor, S V Engineering College, Tirupathi.

Dr. B. Krishna Kumar, Professor, Methodist College Of Engineering And Technology, Hyderabad.

Scientific Committee

Dr. Shanti Verma, Assistant Professor, L.J. Institute Of Computer Applications, Ahmedabad.

Dr. M. Thillainayaki, Assistant Professor, Nehru Arts And Science College, Coimbatore.

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Dr Komarasamy G, Associate Professor, Gandhi Institute Of Technology And Management, Bangalore.

Dr Sudev N K, Associate Professor, Christ University, Bangalore.

Mr. Veerabhadrappa Algur, Associate Professor, Rao Bahadur Y Mahabaleswarappaengineering College, Bellari.

Dr. V. Gokula Krishnan, Associate Professor, Panimalar Institute Of Technology, Chennai.

Mr. B. Varun, Associate Professor, Sri Krishna College Of Engineering And Technology, Coimbatore.

Mr. G.L. Anand Babu, Associate Professor, Anurag University, Hyderabad.

Dr. M. Suresh Kumar, Associate Professor, Sri Sairam Engineering College, Chennai.

Dr. B Venkateswara Rao, Associate Professor, V R Siddhartha Engineering College, Vijayawada.

Dr. Aruna S.M, Associate Professor, NRI Institute Of Technology, Vijayawada.

Dr. M. S. S. S. Srinivas, Associate Professor, Raghu Institute Of Technology, Visakhapatnam.

Dr. K. Balachander, Associate Professor, Karpagam Academy Of Higher Education, Coimbatore.

Dr. Appala Srinivasu Muttipati, Associate Professor, Raghu Institute Of Technology, Visakhapatnam.

Mr. Pajany M, Associate Professor, Sikkim Manipal Institute Of Technology, Majitar.

Mr. K.Sudhakar, Associate Professor, PSCMR College Of Engineering And Technology, Vijayawada.

Dr. Susarla Venkata Ananta Rama Sastry, Associate Professor, MVGR College Of Engineering, Vizianagaram.

Dr. Narendar Singh, Associate Professor, Anurag University, Hyderabad.

Dr. Y. Thiagarajan, Associate Professor, Christ College Of Engineering And Technology, Puducherry.

Mr. Babu Rao Gudipudi, Associate Professor, Narsaraopeta Engineering College, Narsaraopeta.

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Mr. Akurathi Siva Naga Raju, Associate Professor, Chebrolu Engineering College,
Chebrolu.

Dr. L. Raghavendar Raju, Associate Professor, Matrusri Engineering College, Hyderabad.

Dr. P. Radha, Associate Professor, Mepco Schlenk Engineering College, Sivakasi.

Dr.S. Sankari, Associate Professor, Sri Sairam Engineering College, Chennai.

Dr. Duvvuri B K Kamesh, Associate Professor, Malla Reddy Engineering College For
Women, Hyderabad.

Dr. A.Mallikarjuna Reddy, Associate Professor, Anurag University, Hyderabad.

Dr. S.Selva Nidhyananthan, Associate Professor, Mepco Schlenk Engineering College,
Sivakasi.

Dr.Raffi Mohammed, Associate Professor, Ramachandra College Of Engineering, Eluru.

Dr. Vejendla.Lakshman Narayana, Associate Professor, Vignan's Nirula Institute Of
Technology And Science For Women, Guntur.

Dr. John William Carey Medithe, Associate Professor, Methodist College Of Engineering
And Technology, Hyderabad.

Dr Pachipala Yellamma, Associate Professor, KL University, Guntur.

Dr. D. Lakshmi, Associate Professor, AMET Deemed To Be University, Chennai.

Dr. T. Nireekshana, Associate Professor, VNR Vignana Jyothi Institute Of Engineering And
Technology, Hyderabad.

Dr. P. V. Siva Kumar, Associate Professor VNR Vignana Jyothi Institute Of Engineering
And Technology, Hyderabad.

Dr. R.Vijay, Associate Professor, CVR College Of Engineering, Hyderabad.

Dr. M. Mahaboob Basha, Associate Professor, Sreenidhi Institute Of Science And
Technology, Hyderabad.

Dr. S. Ajitha, Associate Professor, Ramaiah Institute of Technology, Bangalore.

Dr. Sachinkumar, Associate Professor, REVA University, Bangalore.

Mr. Sathish M, Assistant Professor(SG), Rajalakshmi Engineering College, Chennai.

Dr. Jitendra Gowrabhathini, Associate Professor, Aditya Engineering College,
Surampalem.

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Dr. Thanuja R, Assistant Professor(SG), SASTRA Deemed University, Tanjore.

Dr. K. Senthil Kumar, Associate Professor, Rajalakshmi Engineering College, Chennai.

Dr. GUNTHA KARTHIK, Associate Professor, Stanley College of Engineering and Technology for Women, Hyderabad.

Dr. Sapna B Kulkarni, Assistant Professor, RYM Engineering college, Bellari.

Dr. A. PRAMOD KUMAR, Assistant Professor, Vardhaman College of Engineering, Hyderabad.

Dr. V.SIVAKUMAR, Associate Professor, Dayananda Sagar Academy of Technology and Management, Bangalore.

Dr G Manjula, Associate Professor, Dayananda Sagar Academy of Technology and Management, Bangalore.

Mr. HARSHIT P. BHAVSAR, Assistant Professor, SAL College of Engineering, Ahmedabad.

Mr. Neelapala Anil Kumar, Assistant Professor, Alliance University, Bangalore.



Prof. Seifedine Kadry, Professor of Data Science, Noroff University College, Norway.

Talk title: Data Science and Recommender System: Statistical Approach.

In this talk we will discuss how the Data Science field using statistical approach can improve the recommender system.

Bio: **Dr. Seifedine Kadry** has a bachelor's degree in 1999 from Lebanese University, MS degree in 2002 from Reims University (France) and EPFL (Lausanne), PhD in 2007 from Blaise Pascal University (France), HDR degree in 2017 from Rouen University. At present his research focuses on Data Science, education using technology, system prognostics, stochastic

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systems, and applied mathematics. He is an ABET program evaluator for computing, and ABET program evaluator for Engineering Tech. He is a Professor of Data Science at Noroff University College, Norway.



Prof. Jemal Hussein, Full Professor at Faculty of Science Engineering and Built Environment, Deakin University, Australia.

Abstract Process:

In Feb 05th 2021 call for abstracts was made with conference websites so that authors can directly submit through submission link as well as the alternative one was direct emailing to conference email, peer reviewed abstracts were issued acceptance within 24 working hours for perusal.

Most Interesting Papers on

- Test Case Reduction Using Statement Coverage Based Ant-colony System
- Socio - Economic Background of Women Entrepreneurs in Thoothukudi District
- Pomegranate Fruit Diseases Detection Using Image Processing Techniques: A Review
- Comparative analysis of LSTM based deep learning models for abnormal action prediction in surveillance videos
- High Gain Luo Converter Based Grid Connected Hybrid Solar Wind Energy System
- Monitoring Bio Parameters Of Sea Researchers Using Visible Light In Underwater Wireless System
- Seasonal Variation in the Groundwater Quality and Irrigation Suitability of Water in A Rural Area of Andhra Pradesh

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- A Study On Going Cashless With Cryptocurrency In India And Its Impact In Banking Industry
- Comparative Analysis of Facial Emotion Recognition Techniques
- Energy Aware Load Balanced Multicast Routing in Wireless Sensor Networks (EALBMR)
- Real Time face detection and Recognition based attendance system using Raspberry pi
- Automatic Covid-19 Assistance Smart Library
- Designing and Analyzing A Petri Net Model of A Small Eatery in Times of Covid
- Side Wall Etched Ridge Waveguide Bragg Grating for Bio-sensing Application
- Laboratory Studies on Soil Characterization of Earth Slope Failure at Dessie South Wollo Ethiopia- A Case Study
- Stress – Strain Behavior of Bacterial Concrete Incorporated With Sugarcane Fibers
- Mixed mode fracture toughness for asymmetric four point bend specimen of jute/glass fibre reinforced epoxy composite
- Stabilization of Black Cotton Soil Using Waste Shredded Tyre Chips And Powder With Flysh For Subgrade
- A brief Overview of Artificial Intelligence in the field of Medical and Healthcare
- Single-Cell RNA Sequencing Data Analysis: An Overview
- Novel technologies to combat Pandemics in future
- A Novel Sensible Health Observation System
- Recognition for lateral faces using Neural Networks
- A Review on Data level Approaches to address the Class Imbalance Problem
- Performance investigation of next generation-passive optical network employing hybrid wavelength division multiplexing-optical time division multiplexing
- 112 Gbit/s next generation-passive optical network transmission system using polarisation multiplexed-quadrature phase-shift keyed modulation with coherent detection
- Live Streaming Robot For Military Environment

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- Structural, Functional characterization of NS5 protein of Kyasanur Forest Disease (KFD) Virus and its interaction studies with existing and novel drugs by molecular docking approach
- In - silico analysis of gut microbiota and its influence on insulin secretion.
- Study on Causes of Cracks in Buildings and its Preventive Measures
- Impact Assessment of Civilization on Pond System In and Around Chidambaram Town, Cuddalore District, Tamilnadu
- Study on Properties of Fly Ash Metakaolin Geopolymer Concrete
- Machine Learning in Precision Agriculture: Applications and Techniques
- Design of a new Solar Rooftop System with Different PV Module Sizes
- Systematic Review of Recent Handover Techniques Femtocell and Microcell in LTE-A
- Comparative Analysis of drift detection techniques used in ensemble classification approach
- An Experimental approach for strengthening High Performance Concrete with hybrid Fibers: Steel and Polypropylene
- Application of Splines for approximation
- Engineering and engineers vital role to stop and prevent economic cybercrimes in modern economy
- A study on Predictive Maintenance analytics approach using deep learning algorithms for fault detection in smart manufacturing
- Road Safety Audit: A Case-study on NH-16
- LEAST MEAN FOURTH BASED WEIGHTED MEDIAN FILTER FOR IMAGE RESTORATION
- A Generalized Study on Progressive Collapse Resisting Mechanism in R.C Structure
- IoT- Based Vehicle parking system
- Determination of Critical Column in Progressive Collapse Analysis using MATLAB
- Electronic Sensor and Alarm Based Pressure Cycled Emergency Ventilator for COVID-19

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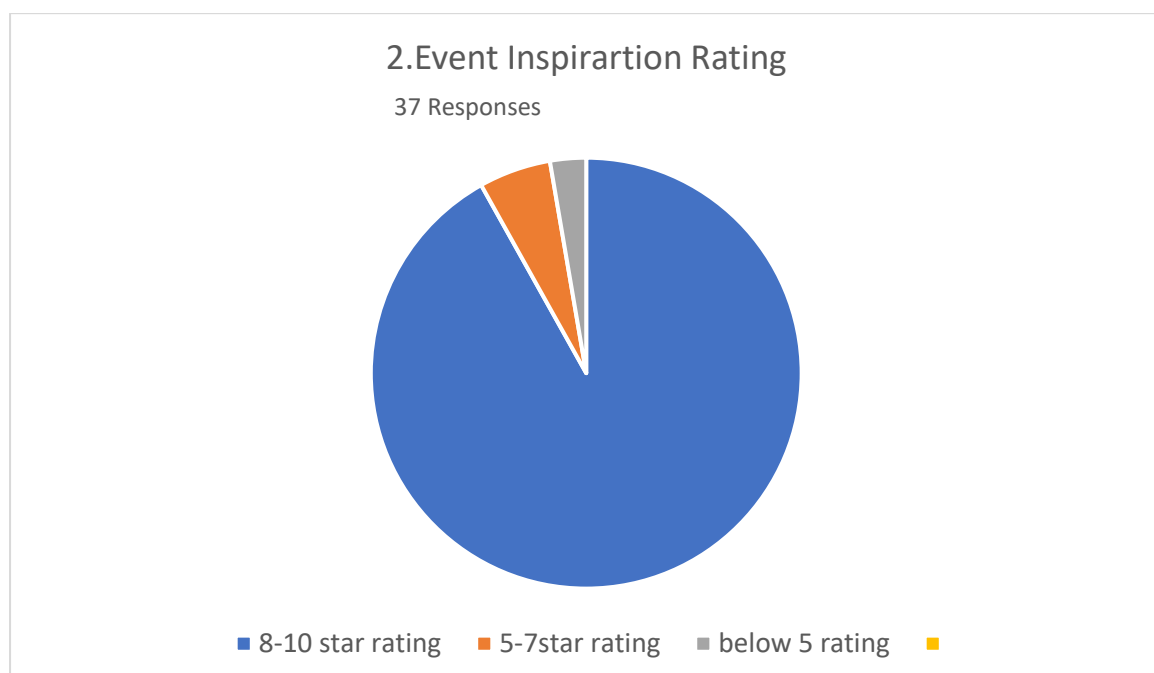
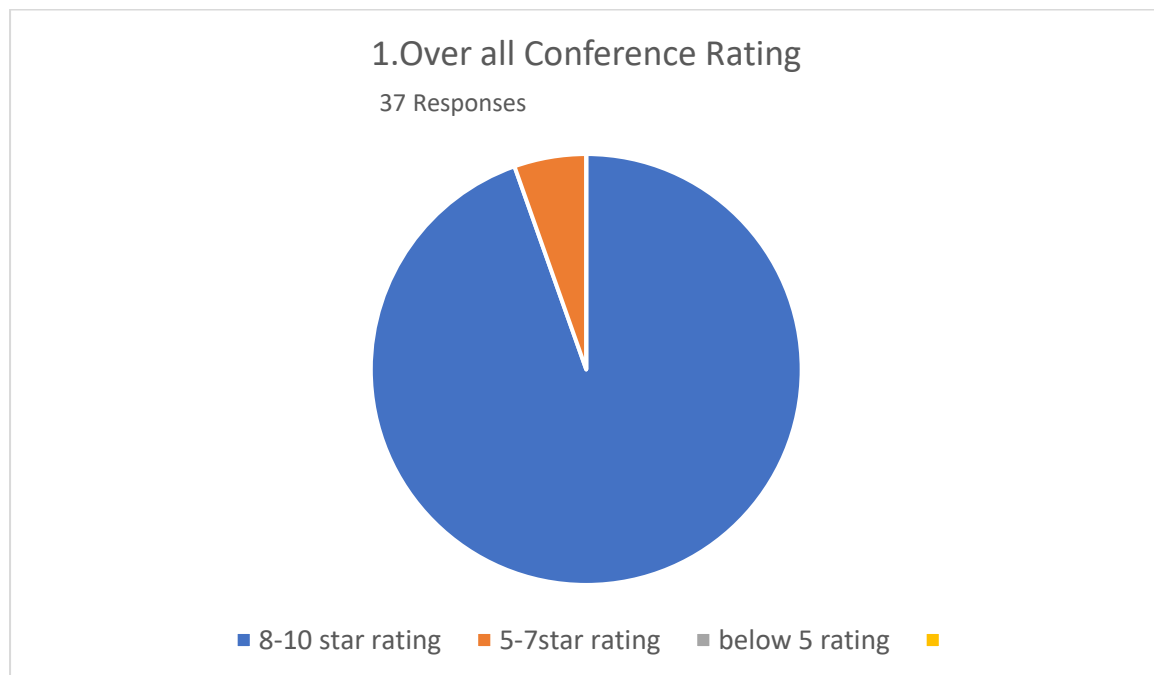
- Lane Detection to Prevent Trajectory in Curved Roads and Primary Security
- Brain Tumor Detection of CT Scan Image Analysis Using Image Mining Algorithms
- Design and Optimization of Electric Go-Kart
- Performance Analysis Of Single Phase Multilevel Inverter For Islanded Grid Applications
- Performance Analysis of EV charger with Cuk Converter and ABC Algorithm
- Real time hand gesture recognition System
- VOLTAGE SAG AND SWELL MITIGATION IN A TRANSMISSION LINE USING DVR FOR BALANCED AND UNBALANCED FAULTS
- ENHANCING THE PERFORMANCE OF A SINGLE PHASE UPQC SYSTEM USING COMBINED SUPER CAPACITOR AND FUEL CELL UNIT
- Challenges of Restructured Power Engineering and Power Exchange
- MULTI LEVEL H BRIDGE INVERTER
- Image Segmentation and Lung Cancer Classification through Neural Network for CT Scan Images
- AN EFFICIENT AND SECURE ELECTRONIC PAYMENT PROTOCOL THROUGH E COMMERCE
- A SPAM DISCOVERY USING LINGUISTIC AND SPAMMER BEHAVIOURAL SYSTEM
- An Artificial Neural Network-Based System for the Classification of RIPENESS state of Fruits
- Smart Agricultural System Analysis Using IOT
- Implementation of An Advanced and Low Power Linear Built-In-Self-Test Using Linear Feedback Shift Register

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Feed Backs about the Conference:



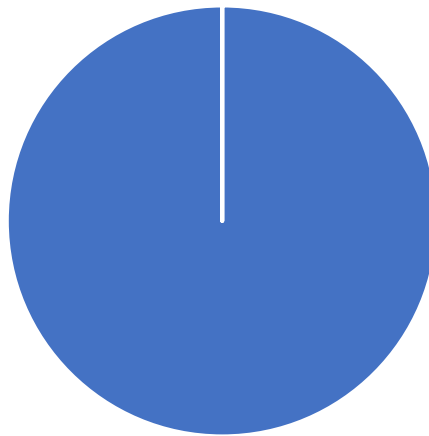
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3.Recommending similar Event responses

37 Responses



■ Yes Definetly ■ No never ■ ■

Administration:

- Website Formation
- Publicity Materials Designing
- Indexing conference in Multiple Platforms
- Digital Marketing
- Email Broadcasting
- IFERP Network Dashboard Promotions
- Execution (Abstracts Receiving and Registration Process)
- Pre-Conference Organizing – Virtual Platforms, Agenda.
- Post Conference Despatch – E-certificates and Proceedings

Authors Feedbacks:

- Excellent, nicely organised
- Time to present our paper is very less
- Excellent programmes hope to see you in similar programmes. Good organising person.

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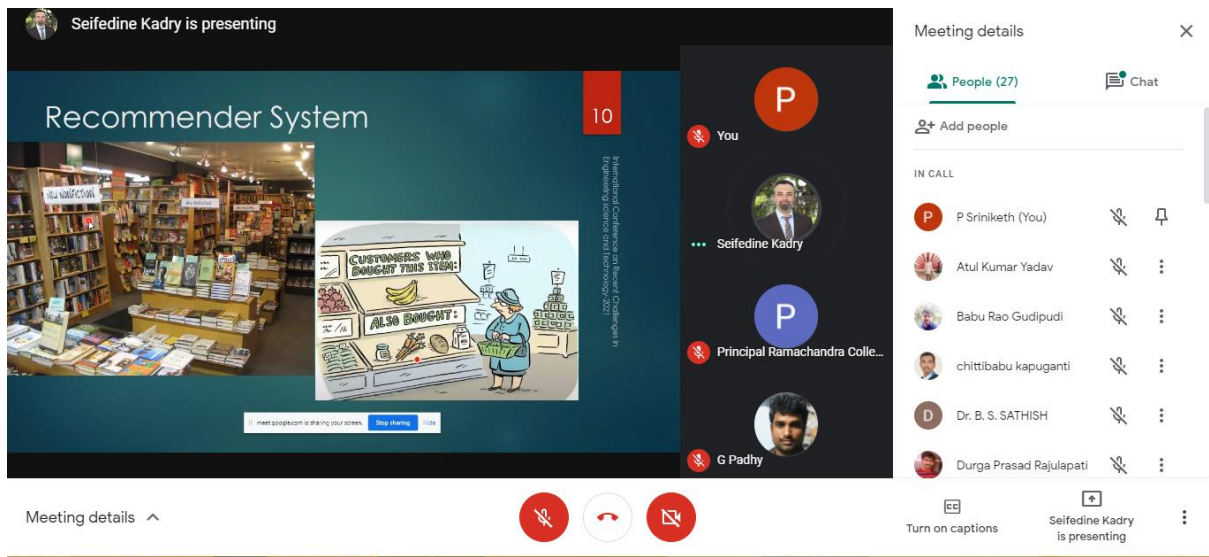
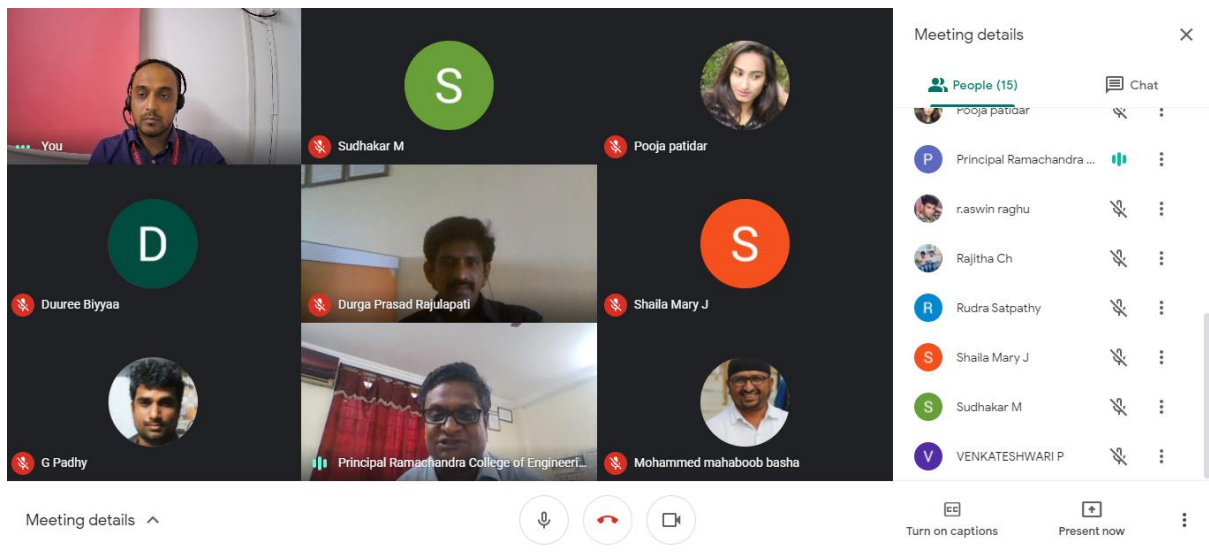
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- The conference was informative. Resource persons were excellent. The number of resource persons should be increased to know about the recent updates in science and technology.
- It was a really great experience, gained a lot of experience.
- It was a good experience.
- The conference was interesting & motivating for giving for more conferences. Thank you giving the opportunity.
- Good conference.
- I'm really inspired it.
- Such a wonderful experience
- Very well organized.
- Thank you for an informative conference and well organized.
- Excellent 🙌
- The conference was conducted and organized very well. A special Thanks to Sudhakar Sir.
- It is good
- Overall conference was fantastic. If similar conference organized also inform us.
- Nice conference
- The conference was worth it. I got to learn a lot of things and the exposure I got was really great.
- This conference was very useful. Got inspired. Keep inspiring. Thank you
- 1.The conference was conducted nicely as per the schedule. 2. The speakers are giving an inspired speech. 3. Pls record/note my contact No and email ID 4. Send an email/call, For the future conferences.
- Nicely arranged
- It's a very nice session. I am very happy to be a part in this presentation. Thank u
- Well organised.
- Its good
- Interactive session arrangement with good hospitality.
- Gd event
- It will better if the title is broader and we can organize conference in track wise rather branch wise.
- Very nice experience getting knowledge
- it was a great experience
- Useful conference
- Excellent coordination of the events and responses at your end is inspiring, But, can improve the filtering of the quality of papers
- Awesome conference

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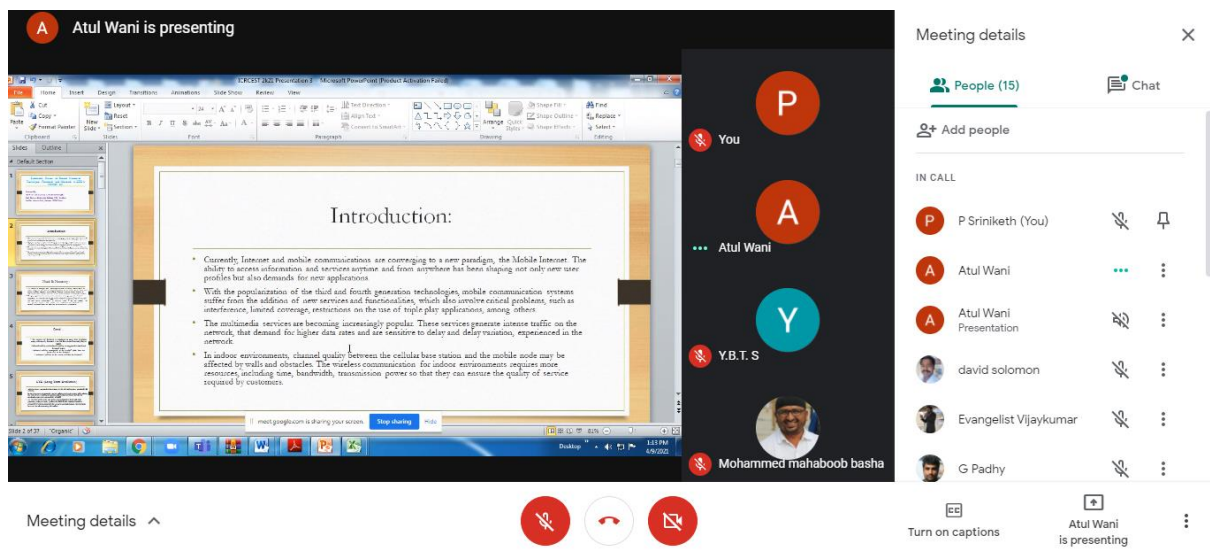
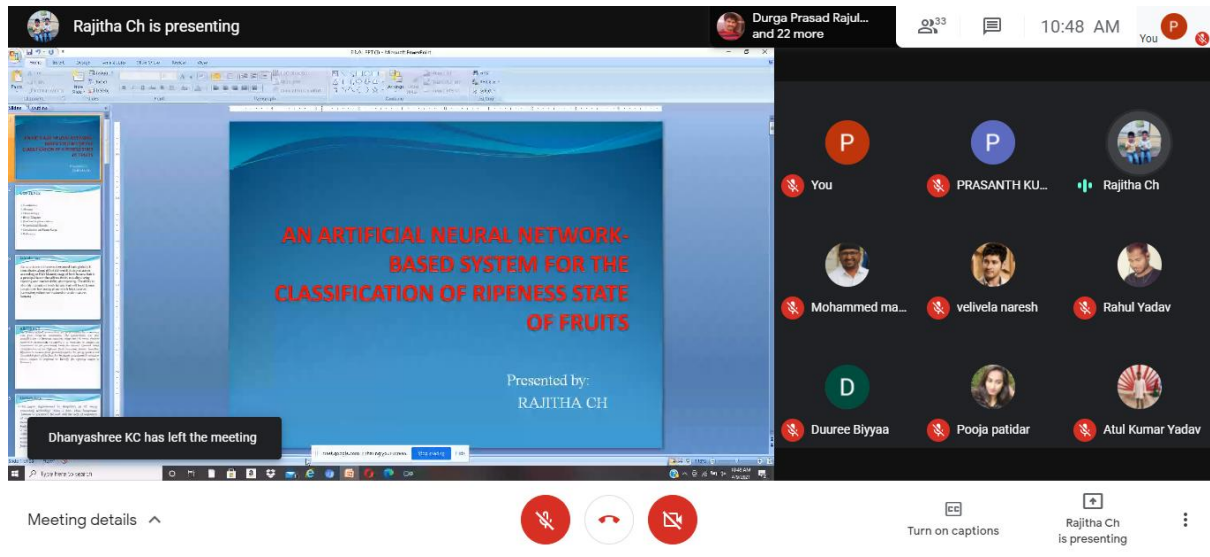
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Screenshots of the Conference:



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Vighnesh Nair is presenting

Kusam bobby and 4 more

5:29 PM

Design and Optimization of Electric Go-Kart

More [Abhishek Vivek](#)
[Idris Presswala](#)
Nair [Vighnesh Suresh](#)

International Conference Recent Challenges in Engineering Science and Technology (ICRCEST 2K21)
Ramachandra College of Engineering, Eluru, AP

Meeting details

Turn on captions

Vighnesh Nair is presenting

G Padhy is presenting

Jagan Mohan R... and 6 more

2:17 PM

Adaptive Weighted Median Filters

LMS Based Weighted Median Adaptive Filters

- The weight updation procedure for this algorithm can be expressed as

$$\mathbf{w}(t+1) = \mathbf{w}(t) + 2\mu e(t) \mathbf{x}_m(t) \quad (7)$$

LMF Based Weighted Median Adaptive Filters

- The weight updation procedure for this algorithm can be expressed as

$$\mathbf{w}(t+1) = \mathbf{w}(t) + 4\mu e^3(t) \mathbf{x}_m(t) \quad (8)$$

Meeting details

Turn on captions

G Padhy is presenting

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The screenshot shows a Zoom meeting interface. The main window displays a Microsoft PowerPoint presentation slide. The slide title is "Design of a new Solar Rooftop System with Different PV Module Sizes" and the authors are "Y.B.T.Sundari¹" and "Y.David Solomon Raju² and Ch.Sumalatha³". The slide also lists affiliations: ¹Assistant Professor, ²Associate Professor, ³EECE Department, ^{1,2}Holy Mary Institute of Technology and Science, ^{1,2,3}Shadan Women's College of Engineering and Technology, ^{1,2}Hyderabad. The Zoom interface includes a meeting details panel on the right showing 16 people in the call, and a bottom control bar with icons for mute, video, and chat.

The screenshot shows a Zoom meeting interface. The main window displays a Microsoft PowerPoint presentation slide titled "Block Diagram". The diagram shows a central "Arduino" block connected to "Water level Indicator", "Water Storage Tank", "Soil Sensor", "Temperature Sensor", "Rain Sensor", "WiFi Module", "ESP8266 Module", "Motor", "Thingspeak IoT App", and "Mobile". The Zoom interface includes a meeting details panel on the right showing 37 people in the call, and a bottom control bar with icons for mute, video, and chat.

International Conference on Recent Challenges in Engineering Science and Technology-2K21 (ICRCEST-2K21)

Organized by Ramachandra College of Engineering, Eluru, Andhra Pradesh 09th -10th April 2021

The screenshot shows a Zoom meeting interface. The main window displays a PowerPoint slide titled "TDM-PON" from IFERP. The slide content includes:

- Remote node containing optical power splitters, connects OLT to many ONUs.
- In the downstream direction, all the broadcasted information is received at every ONU through **splitter**.
- At the ONU, the relevant packet with correct address label is processed and all other data is discarded.

The slide also features a diagram of a PON Multiplexing architecture and the text "PON Multiplexing architecture TDM-PON".

The Zoom interface shows a grid of participants on the right, including: You, Parveen Klair, Mohammed ma..., Y.B.T. S, Evangelist Vijayk..., PRASANTH KU..., Mohammed ma..., Sudhakar M, and Jagan Mohan R... The bottom of the screen displays meeting controls such as "Meeting details", "Turn on captions", and "Parveen Klair is presenting".