



3rd International Conference on Emerging Trends in Engineering and Technology (ICETET-22)

Date: 20th & 21st July, 2022

**Organized By,
Department of Mechanical Engineering, Sandip Institute of Engineering
and Management, Sandip foundation, Nashik**

**In Association with,
Institute For Engineering Research and Publication (IFERP)**

CONFERENCE REPORT



Event Summary

Event Name: 3rd International Conference on Emerging Trends in Engineering and Technology (ICETET-22)

Date: 20th & 21st July, 2022

Conference Organisers: Department of Mechanical Engineering, Sandip Institute of Engineering and Management, Sandip foundation, Nashik. In Association with IFERP.

Delegates: 138 Papers Registered

Overview:

ICETET 2022 Organized By SIEM & IFERP Was Held on 20th & 21st July, 2022 As Virtual Conference And It Was Held Under The Auspices Keynotes **Dr. Sanjay Sethi** Founder and CEO, AntarDhwani, Inc. San Jose - "Silicon Valley" - California, USA, and **Mr. Fred Haney**, President at Dycat Solutions, Alberta, Canada, **Dr. Nilaj Deshmukh**, Dean (Faculty) and Head, Mechanical Engineering Department, Fr. C. Rodrigues Institute of Technology, Vashi, Maharashtra, India and **Prof. Mohamed Fayad**, Full Professor, San Jose State University, San Francisco Bay Area, California, United States of America. Theme For The Conference Is "Bringing engineering & technologies together to meet the development of the Technology" The Latest Research And Results Of Scientists (Preferred Students, Post Graduate Students, Research Scholars And Post-Doc Scientists) Related To Science & Mathematics also Design Applications, Artificial Intelligence, IOT And Machine Learning From Various Departments Of Engineering And Technology Which Includes Electrical, Electronics & Communication Engineering And Computer Science & Engineering. The Conference Will Feature Traditional Paper Presentations As Well As Keynote Speeches By Prominent Speakers Who Will Focus On Related State-Of-The-Art Technologies In The Areas Of The Conference.

The Conference Attracted 209 Authors Of Various Fields To Come Forward To Register For ICETET 2022, 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 Advancement, Inclusion Of Agrisight, Engineering & technology, Algebraic Subjects, Mathematical Calculations And Electronics Applications.

Delegate Registrations

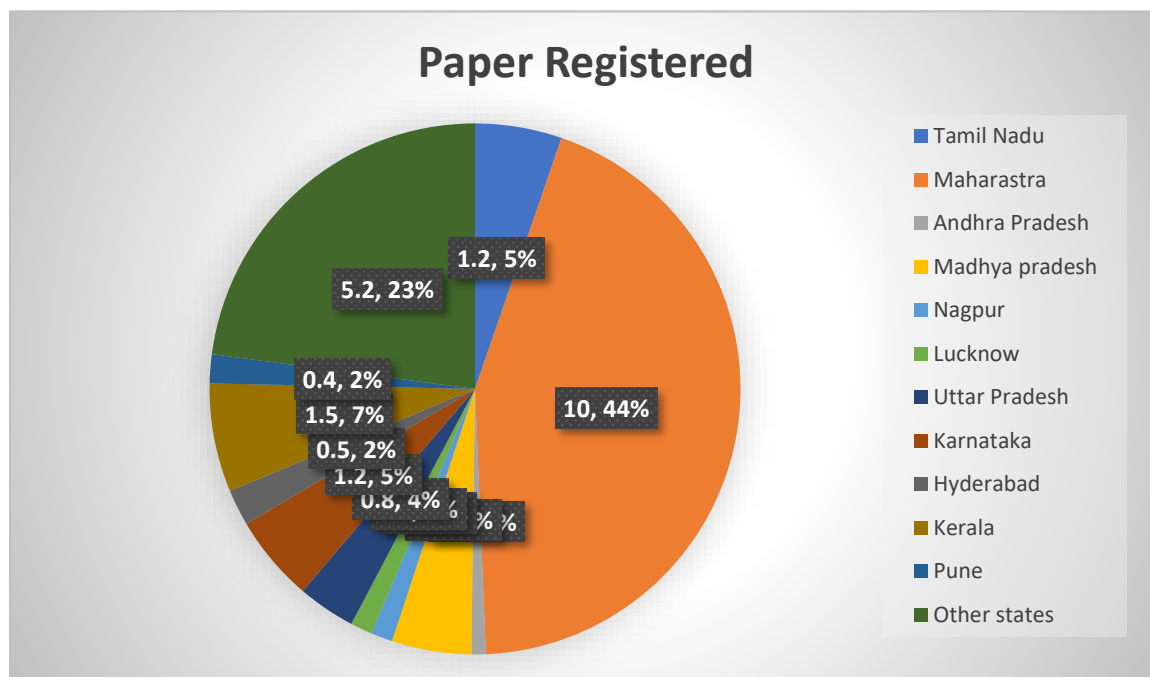
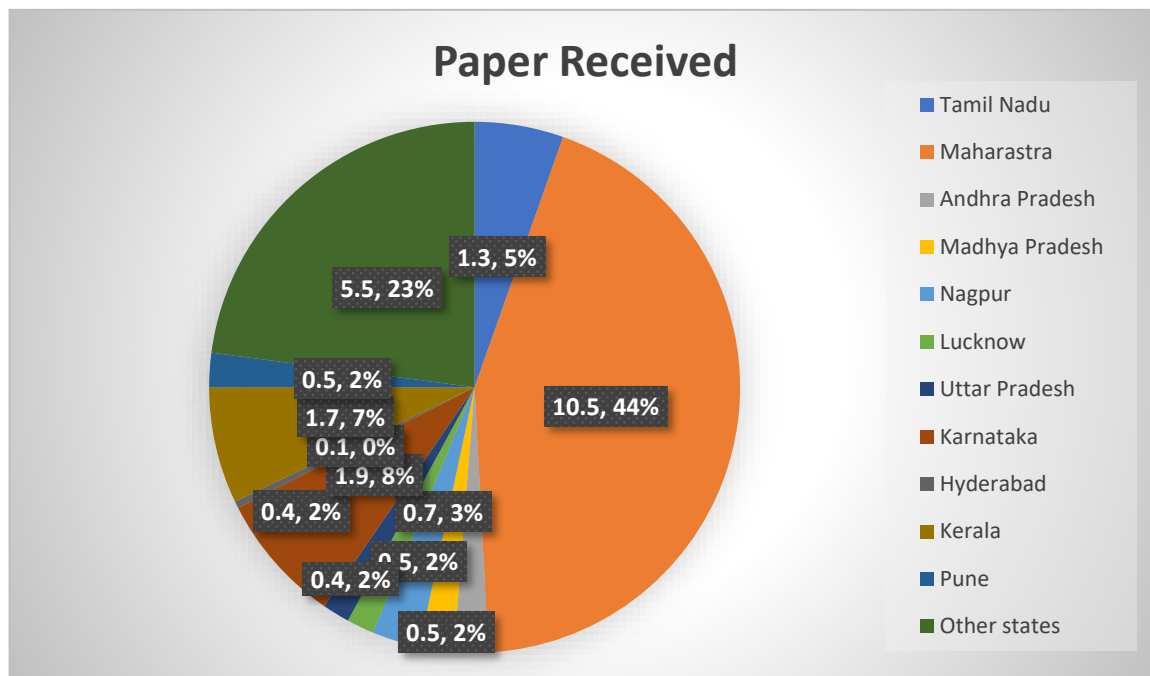
Total Abstracts: 209

Registered: 138

Virtually Presented: 90

With 4 Keynotes (2 Keynotes For Day 1 and 2 Keynotes for Day 2), 06 Session Chairs Which Includes External As Well As Internals From Colleges Who Made The Session As Knowledge Packed With Various Questionnaires And Discussions With Presenters

Abstract Received and Registered Status State wise:





Conference Committee:

Chief Patron:

Dr. Sandip Kumar Jha - Hon'ble Chairman, SIEM, Nashik

Patron:

Prof. Pramod Ambadas Karole - Academic Facilitator, Sandip Foundation

Convenor:

Dr. Dipak P. Patil - Principal, SIEM

Co – Convenor:

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Co – Ordinator's:

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Prof. K. P. Joshi - Assistant Professor, Mechanical, SIEM

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Dr. L. K. Toke - Mechanical, Dean, Admin, SIEM

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Prof. K. A. Salunke- HOD, Civil, SIEM

Prof. R. J. Naik – HOD, EST. Dept, SIEM

Prof. S. J. Chede - Assistant. Professor, Mechanical, SIEM

Prof. P. P. Kulkarni - Assistant. Professor, Mechanical, SIEM

Prof. T. D. Patil - Assistant. Professor, Mechanical, SIEM

Prof. S. M. Mahajan - Assistant. Professor, Mechanical, SIEM

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Prof. S. E. Bodke - Assistant. Professor, Mechanical, SIEM



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Professor, aditya college of engineering and technology, Andhra Pradesh

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Dr. Siddalingappagouda Biradar

Associate Professor, Dayananda Sagar Academy of Technology and Management, Karnataka.



S.Nagaraj

Assistant Professor, Sri Venkateswara college of Engineering and Technology, Chennai.

Subhendu Kumar Pani

Principal, Krupajal Computer Academy, Odisha.

Dr. Dhivya Sathish

Assistant Professor, Sathyabama Institute of Science and Technology, Chennai.

Dr. AKELLA. SRINIVASA RAO

Professor, Andhra Loyola institute of Engg. & Technology, Andhra Pradesh.

DR. SHAHID AMIN BHAT

Assistant professor, ITM University, Madhya Pradesh.

Dr. D.K. Chaturvedi

Professor & Head, Dayalbagh Educational Institute, Uttar Pradesh.

Dr. V.L. NIRMAL BHARGAVI

Professor, Sri Venkateswara College of Engineering and Technology, Andhra Pradesh.

Dr. Pavan Kumar Kalluri

Assistant Professor, PVPSIT, Andhra Pradesh.

Prof.(Dr) M.D. Nikose

Associate professor, SIEM, Maharashtra.

Prof.Dr.T.Phani Madhavi

Professor, Bapatla Engineering College, Andhra Pradesh.

Dr.Akhib Khan Bahamani

Associate Professor, Narayana Engineering College, Andhra Pradesh.

Dr S. Kiran

Assistant Professor, Kakatiya Institute of Technology and Science, Telangana.

N. Kiran Kumar

Assistant Professor, SVCET(Autonomous), Andhra Pradesh.

Dr. G. N. R. PRASAD

Associate professor, CBIT, Telangana.

SURBHI SAROHA

Assistant Professor, Meerut College, Uttar Pradesh.

Dr. Leeladhar Malviya

Professor, S.G.S.I.T.S, Madhya Pradesh.

Dr. Appala Srinivasu Muttipati

Associate Professor, iNurture Education Solutions, Andhra Pradesh.

Ekta R. Ukey

Assistant professor, Pillai HOC College of Engineering and Technology, Maharashtra.

Dr. M. Revathi Devi

Associate Professor, King Khalid University, Saudi Arabia.

MODI MUSALIAH

Assistant Professor, MVR College of Engineering & technology, Andhra Pradesh.

Ramya Srikanteswara

Assistant Professor, NMIT, Karnataka.

Dr. Sarang Pande

Professor, Marwadi University, Gujarat.

Dr. Ratnadip R Joshi

Ex Associate Professor, MIT, Maharashtra.

ZOHAIB HASSAN SAIN

MS Quality Management Certified Trainer, Superior University, Lahore, Pakistan.

KEYNOTE SPEAKERS:

1. Prof. Aiman Eid Al-Rawajfeh

Full Professor, Desalination and Chemical Industries
Department of Chemical Engineering, Tafila Technical University (TTU)
Jordan.



Title: Dual Pre-treatment – Concentration Hybrid Process of Desalination Plants Feed and reject

2. **Dr. Sanjay Sethi**
Founder and CEO, AntarDhwani, Inc.
San Jose - “Silicon Valley” - California, USA



Title: Heraldng A Revolution In Medical Devices And Semiconductors

Abstract Process:

- Pothole Detection System Using CNN
- DESIGN AND TESTING OF NOVAL SOLAR DRYER
- Enhancement of Power System performance using Series FACTS Controller
- Power quality analysis for reactive power management
- Comparative Analysis of 3D Printed Tensile Component
- Optimization of Total Cycle Time of Tempering Process
- REVIEW OF ECO-FRIENDLY CLEANING MACHINE
- Hybrid Electricity Generation on Highway
- To Maintain Air Quality And Ultra Violet Sanitisation For Indoor Environment: A Review
- Designing a Medical Alert System for patients in Intensive Care Units using Internet of Things (IoTs) Technology: Smart Monitoring Online
- Power Quality Improvement Using Dynamic Voltage Restorer.
- DESIGN AND DEVELOPMENT OF SOLAR PANEL COOLING SYSTEM
- Performance Improvement in Gas Water Heating System
- Design & Fabrication of Silage Packaging Machine for Agricultural Application
- Automatic Pipe Cutting Machine
- METHODOLOGY FOR THE PARAMETER ESTIMATION OF DIODE MODEL FOR PV CELL OR PV MODULE
- COMPARATIVE STUDY OF DESIGN OF WATER TANK USING IS3370:2009 AND IS3370:2021
- FAR AND FEW REVIEW IN BLOCKCHAIN TECHNOLOGY AND ITS APPLICATIONS

- ESTIMATION OF SEASONAL VARIATION IN MODULE TEMPERATURE MODEL COEFFICIENT FOR HETERO JUNCTION WITH INTRINSIC THIN LAYER TECHNOLOGY (HIT) PV MODULE
- Design and Development of Mobile Operated Smart Solar Gardening Robot
- RESPONSES OF Brassica rapa TO VARYING LIGHT INTENSITIES AND TYPES OF NUTRIENT SOLUTION GROWN UNDER HYDROPONIC SYSTEM
- Design and Implementation of Material Handling Trolley in Heat Treatment Section
- Effect of Working Fluid & Pipe Material on Performance of Heat Pipe
- Design, Optimization and Thermal Analysis of Disc Brake Rotor of Two-Wheeler
- Title-Design And Analysis Of Composite Drive Shaft
- Parameter comparison of batteries for electric vehicles
- Production of Single Cell Protein from Mosambi, Pea and Peanut waste by Saccharomyces Cerevisiae
- RSVP protocol in Internet of Multimedia Things
- Transformerless Inverter Topologies for Grid- Connected PV System
- α -Amylase inhibition by using different plant sources to check Antidiabetic property
- Substrate Integrated Waveguide Band Pass Filter Design for K band Applications
- Air Quality Index Prediction of Bangalore City using various Machine Learning Methods
- Design and Fabrication of Coin Operated Portable Mask Vending Machine
- TIME COST OPTIMIZATION APPLIED IN TRANSIT CAMPS - A REVIEW
- Analysis and Design of Precast RCC Box Structure by Pushing method as per IRC and IRS Codes in Different Traffic Conditions
- USE OF COLD FORMED SECTIONS FOR CONSTRUCTION OF SCHOOL OR SIMILAR STRUCTURES IN INACCESSIBLE TERRAIN
- Analysis and Design of Multistorey Building for Different Location of Shear Wall
- Dynamic Analysis of high rise structure resting on pile-raft foundation
- Physical parameters and media components optimization for the large-scale production of HPV16 VLPs from Pichia Pastoris
- Study of Mahout Machine Learning Component in Hadoop Ecosystem
- Evaluating Frontal Crash Test of Developed Vehicle Chassis Frame Structure to Identify Crashworthiness Through Scaled Model for Injury Reduction
- Cross Language Information Retrieval for Code-Mixed Kannada-English Queries
- EFFICIENT FPGA ARCHITECTURE DESIGN AND ANALYSIS OF LMS ADAPTIVE FILTER
- A review on machining of Polymer Composite Reinforced with Natural Fiber
- IMPROVED BIT SWAPPING LFSR AND RESPONSE ANALYZER MODEL FOR ENERGY EFFICIENT BIST APPLICATIONS
- Eliminating the dependency on ground water by switching from intermittent water supply to continuous water supply in Pan city Chandigarh - A case study
- Comparative investigation for the optical and molecular properties of various Lead Selenide nanocrystalline structures

- Impact of ADR in Cyberspace: The Need to Adopt Global Alternative Dispute Resolution Mechanisms
- Application of constructed wetland treatment system for waste water -A case study with feasible design
- Design, Analysis & Weight Optimization of Lift Panel Using Composite Materials
- Fractional Order DC Link Voltage Control of DFIG based Wind Turbine using Teaching Learning based Optimization Algorithm
- Analysis of the Use of Plastic Waste for Flexible Pavement Road
- Development of a Medical device for Telemedicine Applications
- EEG Emotion Recognition using Different Feature Extraction Techniques
- Numerical Investigation Of Bio-Inspired Honeycomb Structure In Energy Absorption For Crashworthiness
- NUMERICAL INVESTIGATION ON STRUCTURAL INTEGRITY OF ELECTRIC VEHICLE BATTERIES
- A Novel Odd-Even Configuration for Mitigating the Impact of Partial Shading on PV Generation
- Multiclass Motor Imagery Classification using conventional neural networks and common spatial pattern Features
- HYBRID MACHINE LEARNING ALGORITHM FOR SELF- COMPACTING CONCRETE'S FLEXURAL ASSET
- IoT Based Dynamic Operations To Automate The Machinery Tools For Agriculture
- Analysis of COVID-19 Lung Computed Tomography Scan Images using Segmentation
- A Study of Risk Assessment and Prioritization in Public Cloud
- Transit supportiveness of land use along MRTS in Faridabad City, India
- Comprehensive Review on Recognizing the Effects of Extreme Heat on Poultry Birds in Tropical Environments
- Blockchain based False Information Detection using Majority Voting
- Sequence Alignment based Generation of Regular Expression by Bottom-up Approach
- Design and Analysis of Trailing Arm of Bajaj Auto-Rickshaw
- A Survey on Countermeasures and Elimination techniques for Network Covert Storage Channel by NetWarden
- SMART HOME AUTOMATION USING ADAPTIVE MAPE-K LOOP: AN EXAMPLE
- Analysis of IR drop ,Signal Electromigration , And Self-Heating Effect Using Flat and Hierarchical Method in FinFET Technology
- A Comparative Study of Different Models of CNN Like VGG16, Inception v3 And Xception for Plant Disease Prediction
- Review of Intelligent and Adaptive Instructional Content Creation Techniques
- VIDEO ANALYSIS FOR WEAPON DETECTION AND ALERTING
- Development of Generic Framework for Payment Gateway related to Consumer Applications
- Industry Perspective on Engineering Campus Recruitment Process

- Multi - Sensor Data Fusion Algorithm with Hybrid Architecture for Multi- Sensor Safety Systems
- Design and simulation of NanoMOSFET
- Finite Element Analysis of Stainless Steel and Titanium Femur Implant for Total Femur Replacement
- SOP for identification of weak students and remedial action to be taken
- Compressive behavior & Microstructure properties of Sea Water Sea Sand Concrete
- The effect of Tb doping on the structural and magnetic properties of ZnO nanoparticles
- Crop Yield Prediction using Remote Sensing Data
- Selection of Facilities Layout Design under Utopian Environment
- ANALYSIS OF REPORTED ELECTRICAL ACCIDENTS IN INDIA
- A survey on security issues and threats in data transmission between IoT devices in a heterogeneous environment
- REVIEW OF BUILDING REGULATION FOR ACHIEVING SUSTAINABLE DEVELOPMENT IN LUCKNOW
- A Review of Convolutional Neural Network based models for Bone Fracture detection
- Investigate the impact of Riser Tube Shape Variations on Flat Plate Solar Water Heater Performance Using CFD Analysis
- Review: Friction stir welding of dissimilar aluminum alloys
- An analytical and numerical solution for narrow sandwiched beam with functionally graded material (FGM) core
- SOFTWARE TESTING
- PREDICTION OF TENSILE STRENGTH OF REMIXED CONCRETE
- Effect of Remixing of Concrete on Characteristics Strength Parameters
- Development of Direct Contact Heat Exchanger for Removal of Tar in FBG
- Development of Virus-Bacteria disinfection box using UV-c (Ultraviolet Rays)
- Industrial Energy Auditing for Increased Sustainability
- Deep CNN using Backpropagation with RELU function
- Dual Tone strategy for Load Frequency Control in Conglomerate Power Generating Station

General comments and Feedbacks:

- Well Organized Conference.
- More social networking time.
- An additional day to incorporate more time for discussion and dedicated time for poster sessions.
- Delegate contact list very useful.
- Well organized but could have extend the presentation timings.
- Happy to be a Part of this International Conference.
- Hope the publication proceed will be done for sure.

END OF THE REPORT