CONFERENCE REPORT – ICRCET 2022

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1. EVENT SUMMARY

Conference Name: 10th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22)

Date: 22nd and 23rd June 2022.

Conference Theme:

Organization: Institute for Engineering Research and Publication (IFERP)

Co-host: Udayana University, Universitas Mercu Buana and Lloyd Institute Of Engineering & Technology.

Model Place: Hybrid Conference

1.1 OVERVIEW

10 th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22) held on the 22nd - 23rd June , 2022, Organized by Institute for Engineering Research and Publication (IFERP) and co-host by Udayana University, Universitas Mercu Buana and Lloyd Institute Of Engineering & Technology.

The international conference has been specifically designed with the intention of delivering outstanding outcomes and challenges in the 21st Century. It intends to bring collectively researchers, scientists, technicians and scholars in all fields of educational research for the propagation of original research conclusions, new approaches and developmental practices that yield real results.

The **10th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22)** aims to give researchers, students, and delegates and the occasion to communicate and share their expertise and understanding of technology utilization. This event will also serve as an excellent international forum for sharing expertise and results on recent challenges in engineering technology. The goal of the conference is to provide a stage for scientists and practitioners from academia and industry to address issues with development in the field.

Call for Paper

Engineering and Technology

Business Management and Studies

Applied science

Education and Technology

1.2 CONFERENCE THEME

The theme of this conference revolves around bringing engineering, technology, and management 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.

Attending this remarkable event will help participants sharpen their skills and refine their ideas as well as approaches by meeting with their peers and counterparts. They will also have the chance to meet experts and high-level delegates, along with sharing ideas and research findings from past and present. Participants can build new networks to meet different personalities and learn about the latest tools available.

This conference serves as a unique confluence of networking, entertainment, learning, and in one ensemble. This event will require you to develop and challenge participants with their ideas and proposals. The most promising research studies will be issued in highly reputable journals and publications.

2. ABOUT CONFERENCE

One of the primary motives of the 10th International Conference On Recent Challenges In Engineering and Technology (ICRCET-22) to be held in Bali, Indonesia on the 22nd - 23rd June 2022 is a fantastic opportunity for Engineers, Research Scholar and Students to network with other experts and people in the relevant field of technology. There will be new equipment, technologies, or procedures introduced & demonstrated, and discussions about engineering obstacles and how to handle them.

If you select to participate in this conference, you will broaden your technical thinking in a massive way to upgrade your potential career presentations and technical innovations. It is a brilliant way to gain new ideas but also to see how other procedures or methodologies are combined with your own. Through this outstanding conference, you will get assisted in identifying and comprehending upcoming technological and industry trends. You will also have the puzzling opportunity with top authorities on the effect and impact of interventions.

3. CONFERENCE SCOPE

We create a platform for sharing knowledge, collaboration, and relationship building by bringing students, research scholars, together and encouraging delegates to work together to achieve better health outcomes by establishing a unique public health network..

- Research scholars
- Industry Professionals (C.E.Os., CMOs, Vice-presidents, Directors, Gms)
- Delegates
- Editorial Board Members of Journals
- Faculty
- Technology Experts
- Alumni's
- Educators
- Practitioners(Brand Specialists, Head of Marketing)
- Stakeholders
- Innovators
- PhD Scholars
- Government Officials
- Students

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

4. INAUGURAL PROGRAMME

The day of the conference started with welcoming all the participants, dignitaries and special guest for the conference followed by the proceedings book release and introduction of session chair for the technical sessions

4.1 WELCOMING AND OPENING CEREMONY

Welcoming Keynote Speakers of the 10th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22)

GUEST SPEAKERS

Dr. Alice Maldonado-Lacorte,
Dean of the College of Computing and Information Technology,
First Asia Institute of Technology and Humanities,
Tanauan City Philippines

Dr. Sailesh Iyer,
Professor and Dean,
CSE/IT Department,
Rai School of Engineering.
Rai University, President RU IIC
And RU Nodal officer, GSIRF
Ahmedabad, India.

KEYNOTE SPEAKERS

Dr. Kiran Nair,
Strategic Industry Collaboration and MBA Administrator, Professor
Abu Dhabi School of Management (ADSM), UAE.

Dr. Eng. Deni Shidqi Khaerudin,
Research Center for Advanced and Materials, Associate Prof.
(BRIN) Indonesia.

Christopher Abraham Ph.D., FCIM,
CEO & Head Dubai Campus,
Sr.VP at S P Jain School of Global Management
TEDx & International Conference Keynote Speaker

Dr. Rajeev Agrawal,
Senior Director
Lloyd Institute of Engineering & Technology, India.

Dr. Anwar Ahmad,
Professor, University of Nizwa,
Civil and Environmental Engineering Department,
Nizwa , Oman.

Mr. Abdy Taminsyah,
CEO and Founder
MonsoonSIM
Perth, Western Australia,
Australia.

Dr. Shri Ajai Garg,
Senior Director
Ministry of Electronics & Information Technology
Government of India

GUEST OF HONOR

Dr. Ir. Mawardi Amin, MT
Dean of Faculty of Engineering,
Universitas Mercu Buana

Dr Hadi pranoto
Vice Dean of Faculty of Engineering,
Universitas Mercu Buana

SESSION CHAIRS

Dr. Anil Siddhnarayan Dube,
Professor & HOD (Mechanical) Certified Energy Auditor by BEE
Department of Mechanical Engineering
Sandip Institute Engineering & Management India.

Professor. A U Ravi Shankar,
Civil Engineering,
National Institute Of Technology,
India.

Ir. Dr. Pang Wai Leong
Associate Professor
Multimedia University,
Faculty of Engg, Malaysia.

Dr. Sudeshna Chakra borty,
Professor,
Department of Computer Science Engg.
Llyod Institute of Engineering & Tech.

Dr. Rohit Bansal
Assistant Professor
Department of Management Studies
Vaish College of Engineering, Rohtak (Haryana)

Sevenpri Candra,
Associate Professor,
Management Studies,
BINUS University , Indonesia.

Dra. Iryanti Eka Suprihatin, M.Sc., PhD.
Faculty of Mathematics and Natural Sciences,
Science, Udayana University,
Bali,Indonesia

Mr.I PUTU TEDY INDRAYANA,
Faculty of Mathematics and Natural
Udayana University,
Indonesia.

Dr. V. Vandhana Devi
HoD - Civil Engineering,
KCG College of Technology , India

Dr. Pranav Mishra
Additional Director
LLDIMS ,India

Dr. Tanupriya Choudhury
Senior Associate Professor,
University of Petroleum and Energy Studies UPES

Prof. Priyanka Tyagi,
Asst. Professor
IMS ENGG College, Uttarakhand,
GHAZIABAD.

Dr. Swati Chaudhary,
Assistant Professor,
Department is Applied science and Humanities,
Lloyd Institute of Engineering and Technology,
Greater Noida.
Noida.

Dr. Nidhi Puri,
Assistant Professor,
Department is Applied science and
Humanities, Llyod Institute of
Institute of Technology, Greater

II Made Astina
Associate Professor,
Institute of Technology Badung,
Faculty of Mechanical and Aerospace Engineering,
Badung, Indonesia.

4.2 KEYNOTE AND TUTORIAL SPEECHES

5. ORGANIZING COMMITTEE

Chief Patron	Dr. Ir. Mawardi Amin, MT Dean of Faculty of Engineering, University of Mercu Buana.
Patron	Dr Hadi pranoto Vice Dean of Faculty of Engineering, University of Mercu Buana
Conference Secretary	Dafit Feriyanto, ST., M.Eng., Ph.D, Head of Department of Magister of Mechanical Engineering, University of Mercu Buana.
Conference Chair	Dr. Eng. Deni Shidqi Khaerudini Faculty Member of Magister of Mechanical Engineering Universitas Mercu Buana.
Conference Co-Chair	Alfian Noviyanto, Ph.D Faculty Member of Magister of Mechanical Engineering Universitas Mercu Buana.
Conference Convener	Dr. Sudeshna Chakraborty, Professor, Department of Computer Science Engineering, Lloyd Institute Of Engineering & Technology, India
Conference Co-Convener	Dr. Nidhi Puri, Assistant Professor, Department of Applied Science and Humanities, Lloyd Institute of Engineering and Technology, Greater Noida
Conference Co Program	Dr. Swati Chaudhar

Chair	Assistant Professor, Department is Applied science and Humanities, Lloyd Institute of Engineering and Technology, Greater Noida
Conference Co Program Chair	Mrs. Kavita Rani , Associate Professor, Department of Computer Science Engineering, Lloyd Institute of Engineering and Technology, Greater Noida
Conference Review Committee Chair	Dr. Pallavi Murghai Goel , Associate Professor& International Affairs Coordinator, Manav Rachna International Institute of Research and Studies CSE FET ,Faridabad , India

NATIONAL ADIVISORY BOARD

Dr. Esther Irawati Setiawan
Associate Professor
Institut Sains dan Teknologi Terpadu Surabaya
Faculty of Science and Technology
Surabaya, INDONESIA

Dr. Halim Dwi Putra
Lecturer,
Bengkalis State Polytechnic.
Business Study
INDONESIA.

Dewi Syahidah Ph.D.
Researcher
Research Institute for Marine Aquaculture
And Fisheries Ext, Faculty of Marine and
Fisheries, Indonesia.

Dr.Toman Sony Tambunan
Lecturer,Universitas HKBP Nommensen
Management Science
Medan, Indonesia.

I PUTU TEDY INDRAYANA
Lecturer, Universitas Udayana,
Faculty of Mathematics and Natural Sciences,
Bali, Indonesia.

Seprianti Eka Putri
Lecturer,
University of Bengkulu, Faculty of
Economics and Business, Indonesia.

Dr. Farid,
Lecturer,
Sultan Agung Islamic University,
Faculty of Law, Semarang, Indonesia.

Dr. Eng. Imam Hidayat, ST., MT.,
Senior Lecturer,
Mercu Buana university,
Mechanical Engineering Department, Indonesia.

Dr. KHAIRUNNISA MUSARI, Assistant Professor,
Kiai Haji Achmad Siddiq State Islamic University, Dept of Islamic Economics,
Jember Regency, Indonesia.

INTERNATIONAL ADIVISORY BOARD

	EUR ING. Ir. Ts. Dr. Lim Wei Hong Deputy Dean UCSI University Faculty of Engineering, Technology and Built Environment Kuala Lumpur Malaysia
	June Tay Head Singapore University of Social Sciences Digital Media Programme Singapore
	Prof. (Dr.) Bhupendra Kumar Professor Debre Tabor University Faculty of Business & Economics Ethiopia
	Hwang Cheng Wang Professor National Ilan University Department of Electronic Engineering Yilan Taiwan
	Shinfeng D. Lin Professor National Dong Hwa University Department of Computer Science and Information Engineering Hualien Taiwan

	Dr.S.Sreedhar Reddy HOD University of Nizwa Dept. of Civil And Environmental Engineering Nizwa Oman
	Dr. Ruben Alarcon Matutti Professor National University of San Marcos Faculty of Electronic Engineering Lima Peru
	Dr. Ahmad N. Al-Omari Professor & Dean Community College of Qatar Sciences and Technology Division Doha Qatar
	Sameer M. Al-Asheh Professor & Head American University of Sharjah Chemical Engineering Department Sharjah UAE
	Dr. TSO Chih Ping Professor Multimedia University Faculty of Engineering and Technology Melaka Malaysia

	Dr. Pang Ying Han Associate Professor Multimedia University Faculty of Information Science and Technology Selangor Malaysia
	Dr. Arif Saeed Malik Associate Professor Sultan Qaboos University Department of Electrical & Computer Engineering Muscat Oman
	Dr. Lazhar Khriji Associate Professor Sultan Qaboos University Department of Electrical and Computer Engineering Muscat Oman
	Dr. Sujan Piya Associate Professor Sultan Qaboos University Department of Mechanical and Industrial Engineering Muscat Oman
	Sherzod Turaev Associate Professor United Arab Emirates University College of Information Technology Al Ain UAE

	Dr. MOHD KHURSHEED SIDDIQUI Associate Professor Integral University Electrical Engineering Lucknow India
	Belal Mustafa Husein Abu Ata Associate Professor Yarmouk University Department of Information Technology Irbid Jordan
	Dr. Wameath Sh. Abdul-Majeed Associate Professor University Of Nizwa Department of Chemical & Petrochemical Engineering Nizwa Oman
	Yasmin Zuhair Issa Murad Associate Professor University of Jordan Civil Engineering Department Amman Jordan
	Ir. Dr. Chan Kah Yoong Associate Professor Multimedia University Faculty of Engineering Selangor Malaysia

	Ir. Dr. Pang Wai Leong Associate Professor Multimedia University Faculty of Engineering Selangor Malaysia
	Dr. Yeo Boon Chin Senior Lecturer Multimedia University Faculty of Engineering and Technology Selangor Malaysia
	Dr. Anthony D. Enwin Senior Lecturer Rivers State University Department of Architecture Port Harcourt Nigeria
	Dr. Ng Yin Hoe Senior Lecturer Multimedia University Faculty of Engineering Selangor Malaysia
	Ts. DR. MD. JAKIR HOSSEN Senior Lecturer Multimedia University Department of Robotics and Automation Selangor Malaysia

	Mohamed Yousuf Seigu Allaudin Lecturer University of Nizwa Department of Electrical and Computer Engineering Nizwa Oman
	AYU HASLIJA BT ABU BAKAR Assistant Professor UCSI University Chemical & Petroleum Engineering Department Kuala Lumpur Malaysia
	Adham Yaseen Mohammad Alsharkawi Assistant Professor University of Jordan Department of Mechatronics Engineering Amman Jordan
	Dr. Musaab Abdalla Hassan Zarog Assistant Professor Sultan Qaboos University Department of Mechanical and Industrial Engineering Muscat Oman
	M. Saravanapriya Assistant Professor Hindusthan Institute of Technology Department of Management Sciences Coimbatore India

	Dr.Ing. Abdullah K. Al-Janabi Assistant Professor Sultan Qaboos University Mechanical and Industrial Engineering Department Muscat Oman
	Hafiz Muhammad Asif Assistant Professor Sultan Qaboos University Department of Electrical and Computer Engineering Muscat Oman

6. **SCIENTIFIC PROGRAM**

Session	**Topic**
Technical Session I	Engineering and Technology
Technical Session II (A)	Engineering and Technology
Technical Session II (B)	Engineering and Technology
Technical Session III	Engineering and Technology
Technical Session IV (A)	Engineering and Technology
Technical Session IV (B)	Engineering and Technology

6.1 Technical Session I (Physical Session)

Impact Of A New Toll Road To Existing Highway Pavement Service Life (Pantura Highway Case Study)
Presentation By Reni Karno Kinasih

Cloud Based Agile Test Automation Using Open Source Tools
Presentation By V VAMSI KRISHNA

Influence of Part Orientation and Laser Scan Speed on the Surface Roughness in the Process of Selective Laser Melting Technology
Presentation By Ján Milde

Ai For Education With Ai-Mining Prototype Study Case Of Hydrogen Gas
Presentation By Hanna Arini Parhusip

Functionality, electrostatic discharge and power quality magnetic analysis of the Speed Limiter Integrated Fatigue Analyzer (SLIFA)
Presentation By Hanna Hadi Pranoto

Collaboration of Industry with Job Placement Cell for Graduates Of Dhaka Mohila Polytechnic Institute
Presentation By Arifa Parvin

(AI-Mining) Data Acquisition of Environmental Features
Presentation By Hanna Arini Parhusip

VIRTUAL CONFERENCE

Technical Session II A (Mechanical Engineering)

Full Factorial and Taguchi Design for The Impact Strength of Oil Palm Fiber Reinforced Composite : A Comparative Study
Presentation By Muhamad Fitri
Utilization of Waste Heat Recovery to Reduce Water Content in Low-Calorie Coal with Fluidized Bed Dryer
Presentation By Nanang Ruhyat

Effect of Ultrasonic and Ball Milling Process on particle size, specific surface and its Agglomeration of Metallic Interconnect Material
Presentation By Dafit Feriyanto

The effect of chilled casting ductile iron to the shrinkage porosity on the surface of the Y-Shaped specimen
Presentation By Justino Martins Salsinha

Coating Thickness Analysis of Electroplated FeCrAl Material for Metallic Catalytic Converter Application
Presentation By Dafit Feriyanto

The Integration Of Business Process Reengineering and Snell X's Enterprise Resource Planning For Efficiency And Effectiveness: A Case Study Of Cosmetics And Household Sub Sector Companies
Presentation By Muhammad Isa Lufti

Experimental Investigation on Flap Peening Process of Aluminum Alloys Sheets at Various Flapping Rotational Speed
Presentation By Andi Firdaus Sudarma

Philippine Stock Market Forecasting Using the Nonlinear Autoregressive with Exogenous Input (NARX) Model
Presentation By Jolitte A. Villaruz

Improving The Sustainability of Cosmetics Small and Medium Industries: A Case Study
Presentation By Uly Amrina

Reduce Waste of Aircraft Maintenance Process with Value Stream Mapping
Presentation By Zulfa Fitri Ikatrinasari

Resistivity and conductivity analysis of Coated metallic catalytic converter with wavelength shape of monolith
Presentation By Hadi Pranoto

Technical Session II B

Civil Engineering

THE INFLUENCE OF NEOCLASSICISM ON HO CHI MINH ARCHITECTURE IN THE TWENTIETH-FIRST CENTURY
Presentation By ON NGOC YEN NHI

ANALYSIS OF CONSTRUCTION PROJECT PERFORMANCE DURING PANDEMIC COVID-19 BASED ON RISK
Presentation By Mawardi Amin

Investigation Of The Potential Cash Waqf For Funding Public Infrastructure Through Public-Private Partnership
Presentation By YUNITA DIAN SUWANDARI

Dominant Factors in Value Engineering Aims for Improving Function and Cost Reduction in Jakarta Green Building Project
Presentation By Budi Susetyo

Prediction of Service Life Based on Relationship between PSI and IRI for Flexible Pavement
Presentation By Muhammad Isradi

Stakeholder Satisfaction in Long Segment Maintenance Contract: Application to a Hills Road Network
Presentation By Andri Irfan Rifai

Awareness Level of Heritage Building Owners and Construction Professionals in the Repair, Construction, and Conservation of Heritage Buildings in Taal
Presentation By Jayann Juliet Rosilio

Ferrocement Structural Components Molded from Ordinary PVC Pipes: Tests for Low-Cost Housing Use
Presentation By VERA KARLA CAINGLES

Design of River Floating Trash Traps Using Recycled Plastic Bottles and Waste Analysis and Characterization of Collected Waste in Odiongan, Romblon, Philippines

Presentation By Jerome Gabutero Gacu

Agile Global Software Development Challenges and Mapping Solutions: A Systematic Literature Review
Presentation By Muhammad Zukhruf Firdaus Hanindra

DEVELOPMENT OF FLOATING PLTS AND UTILIZATION OF FLOOD EARLY WARNING EQUIPMENT IN BENING WIDAS DAM, MADIUN, EAST JAVA
Presentation By Agung Wahyudi Biantoro

Vehicle Speed Prediction Using YOLOv4 and XGBoost Regression
Presentation By Yafet Jaya Kusumo

DAY 2 - (23rd June 2022)

Technical Session III

Regression Test List Sharding in a Distributed Test Environment
Presentation By MICHELLE GONSALVES

NGO Employee Motivation in India: A Case Study
Presentation By Dr Pradnya Chitrao

Exploring Challenges And Opportunities In Internship Amidst Pandemic Using Sentiment Analyzer For Interns
Presentation By Reina T. Payongayong

Automated Students' Rating Distribution System For Local College
Presentation By LOVELL M. ABELLO

Digital Marketing Maturity Index Indicators In The Training Industry
Presentation By Hasbullah Hasbullah

The Influence of Scope in Affecting the Successful of an IT Project: a Systematic Literature Review

Presentation By Bryant Alim Amrullah

Development of a Time-Based Computer Software for Monitoring and Maintaining Multiple Diesel Generating Units
Presentation By Alvin John D. Brecia

Planning and Control of Information Security on Infrastructure IT Management Project in Pharmaceutical Industry with ISO 27001:2013 Approach
Presentation By Hery Sapto Dwi Nurcahyo

Uses of Artificial intelligence in healthcare system:A review
Presentation By Piyush gupta

Analysis and Design of Self-service Local Water Company (LWC) using Vernam Cipher Cryptography Algorithm
Presentation By Andi Adriansyah

Performance Evaluation of 5G in Sub-6GHz
Presentation By Arvindraj A/L Ravi Chandran

Crystallite size and Solid Solubility Cr to Fe analysis of Fe80Cr20 Interconnect Material Treated by Ultrasonic and High Energy Ball milling Process
Presentation By Imam Hidayat

Microstrip Transmitarray Antenna with Three Layered 5X5 Jerusalem Cross and Square Slot Patches at 38 GHz
Presentation By Fadilah Angesti

Dominant Factors in Value Engineering Aims for Improving Function and Cost Reduction in Jakarta Green Building Project
Presentation By Budi Susetyo

Technical Session IV A

The need for digital sustainability for startups in India
Presentation By SONAL GULATI

Adaptive System Framework for Preemptive Road Damage Awareness Against Climate Change in Albay
Presentation By Vince Angelo Naz

MedPlantBot: AI Chatbot Architectural Design Framework for Responsible Use of Medicinal Plan
Presentation By Maria Concepcion S. Vera

Implementation Security Digital Signature Using Rivest Shamir Adleman (RSA) Algorithm As A Letter Validation And Distribution Validation System

Presentation By Wahyu Wijaya Widiyanto

Corona virus Strains genome sequence data analysis by DNA Similarity Index.
Presentation By Kumar Gaurav Kapoor

Folder System Organizer Using Web Development
Presentation By Ujjwal Tarika

Cardiac Arrhythmia diagnosis to identify Critical patients by applying CNN over Phonocardiogram (PCG) recordings or heartbeat recordings
Presentation By Kumar Gaurav Kapoor

IOT enabled Smart Garbage Monitoring System
Presentation By Jyoti Verma

Prediction Analysis of Domestic and Non-Domestic Water Needs in Serang City, Banten.
Presentation By Dudung Mulyadi

The Impacts of Internal and External Factors on Developing Global Digital Innovation: A Case Study of the Provincial Electricity Authority in Thailand
Presentation By Thanachai Rungruang

Smart IoT Mobile Medication Dispenser
Presentation By Haziq Muqri Bin Nawawi

Impact Evaluation of Mechanized Tiger Grass Postharvest Technology in Banton, Romblon using General Systems Theory Model
Presentation By Ester Forlales

FISGA-IAE ASVSF Algorithm for Effectively Solving the Localization Problem of a Mobile Robot
Presentation By Heru Suwoyo

Consumer Behavior Analysis in Electric Vehicle Adoption in Indonesia
Presentation By Fajar Nurrohman Haryadi

Applying EMONO Variants to Multi-Class Sentiment Analysis for Short-Distance Inter-Class Frequency of Term
Presentation By Cristopher Abalorio

Principal Instructional Leadership And Culture-Based Instructional Program In Organizational Change
Presentation By Yustina Sri Rahayu M.Pd

Single image super resolution using Directionlet Transform and directional variance
Presentation By Reji A panicker

Technical Session IV B

Wide Bandpass Filter Composed of First-Order and Second-Order Active High Pass Filters Simulated Using MATLAB and Multisim Live
Presentation By Donabel D. Abuan

IFRAS: IOT BASED FACE RECOGNITION ATTENDANCE SYSTEM
Presentation By Nikhil kaushik

Autopilot Control System for Damping the Dutch Roll
Presentation By N. C. Ajay Vishwath

An Assessment of Healthcare Administration to Senior Citizens in Catanduanes Using Text Analytics
Presentation By Ramona Michelle M. Magtangob

Variac Tapping & Buck-Boost Transformer Design Calculations for Servo Controlled Voltage Stabilizers
Presentation By Posannapeta Y Ganga Ram

Student e-handbook Packet: A mobile application for Bulacan State University
Presentation By Bernandino P. Malang

Simulating Grover's Algorithm at the Pulse-Level with NISQ framework
Presentation By Mihir Ranjan

Microgrid Solar-PV Power System Socio-Economic Benefits and Challenges
Presentation By Randell Urbiztondo Espina

Enhancement of Genetic Algorithm for Variable Minimization with a Novel Crossover Operator
Presentation By James Cloyd M Bustillo

Arduino Based Obstacle Avoiding Robot with Ultrasonic Sensors and Motor Functions
Presentation By Donabel D. Abuan

Acceptability Assessment of a Locally Developed Onion Harvester Hand Tractor in La Union, Philippines
Presentation By Rosalinda L. Abad

IOT based Smart Environmental Monitoring for Oyster Mushroom Production
Presentation By Jayson J. Elenzano

Omnichannel Consumer Behavior on Purchase Intention: A Model-Based on UTAUT
Presentation By Seprianti Eka Putri

Content-Based Image Retrieval with Optimized Particle Swarm Optimization for Sign Language Using Color, Grey, Texture, and Shape Features
Presentation By Surbhi Tyagi

Assessment of the temperature elevations in rural areas of Delhi NCR region
Presentation By Pallavi Sharma

Intrusion Detection System using Snort
Presentation By Bhanu Goyal

6.2 HIGHLIGHT SESSIONS

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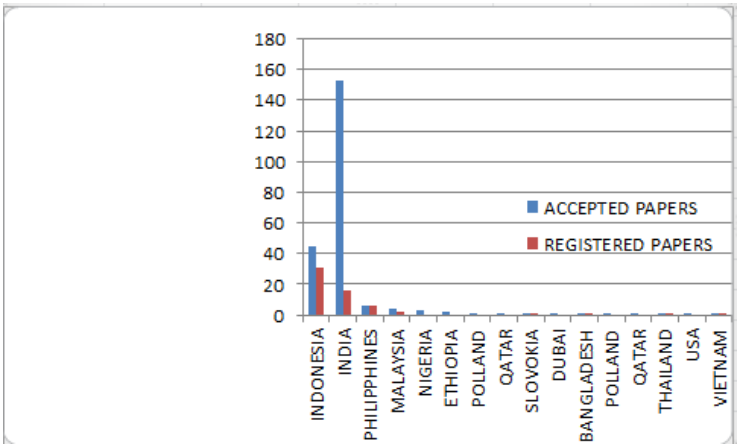
7. SURVEY ANALYSIS

7.1 Paper Registered based on country



COUNTRY	ACCEPTED PAPERS	REGISTERED PAPERS
INDONESIA	45	31
INDIA	153	16
PHILIPPHINES	6	6
MALAYSIA	4	2
NIGERIA	3	0
ETHIOPIA	2	0
POLLAND	1	0
QATAR	1	0
SLOVOKIA	1	1

DUBAI	1	0
BANGLADESH	1	1
POLLAND	1	0
QATAR	1	0
THAILAND	1	1
USA	1	0
VIETNAM	1	1

8. VALEDICTORY

In the Valedictory best paper and best paper Presentation of 10th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22) was announced.

BEST PAPER AWARD

TECHNICAL SESSION – I

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0055	Functionality, electrostatic discharge and power quality magnetic analysis of the Speed Limiter Integrated Fatigue Analizer (SLIFA)	Dr. Hadi pranto

TECHNICAL SESSION II A

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0044	Improving The Sustainability of Cosmetics Small and Medium Industries: A Case Study	Uly Amrina

TECHNICAL SESSION II B

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0053	Vehicle Speed Prediction Using YOLOv4 and XG Boost Regression best civil paper	Yafet Jaya

TECHNICAL SESSION III

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0067	Performance Evaluation Of 5g In Sub-6ghz	Arvindraj A/L Ravi Chandran

TECHNICAL SESSION IV A

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0440	Medplantbot: Ai Chatbot Architectural Design Framework For Responsible Use Of Medicinal Plant	S. Vera

TECHNICAL SESSION IV B

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0375	Assessment of the temperature elevations in rural areas of Delhi NCR region	Pallavi Sharma

BEST PRESENTATION AWARD

TECHNICAL SESSION – I

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0288	AI-Mining) Data Acquisition of Environmental Features	Hanna Arini Parhusip

TECHNICAL SESSION II A

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0043	Experimental Investigation on Flap Peening Process of Aluminum Alloys Sheets at Various Flapping Rotational Speed	Andi Firdaus Sudarma

TECHNICAL SESSION II B

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0458	Awareness Level of Heritage Building Owners and Construction Professionals in the Repair, Construction, and Conservation of Heritage Buildings in Taal	Jayann Juliet Rosilio

TECHNICAL SESSION III

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0150	Regression Test List Sharding In A Distributed Test Environment	MICHELLE GONSALVES

TECHNICAL SESSION IV A

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0131	Smart IoT Mobile Medication Dispenser	Pang Wai Leong

TECHNICAL SESSION IV B

Paper ID	Paper Title	Author
ICRCET-2022_BAL_0271	Simulating Grover's Algorithm at the Pulse-Level with NISQ framework	Mihir Ranjan

9. FEEDBACK

Commented [g2]: Missing

10. VOTE OF THANKS

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11. CONFERENCE GLIMPSES

Address by
Mr. Rudra Bhanu Satpathy
CEO of Technoarete Groups

IFERP
connecting engineers...developing research
ICRCET
EXPLORING CHALLENGES AND OPPORTUNITIES IN INTERNSHIP AMIDST PANDEMIC USING SENTIMENT ANALYZER FOR INTERNS
1) Reina T. Payongayong, MIT
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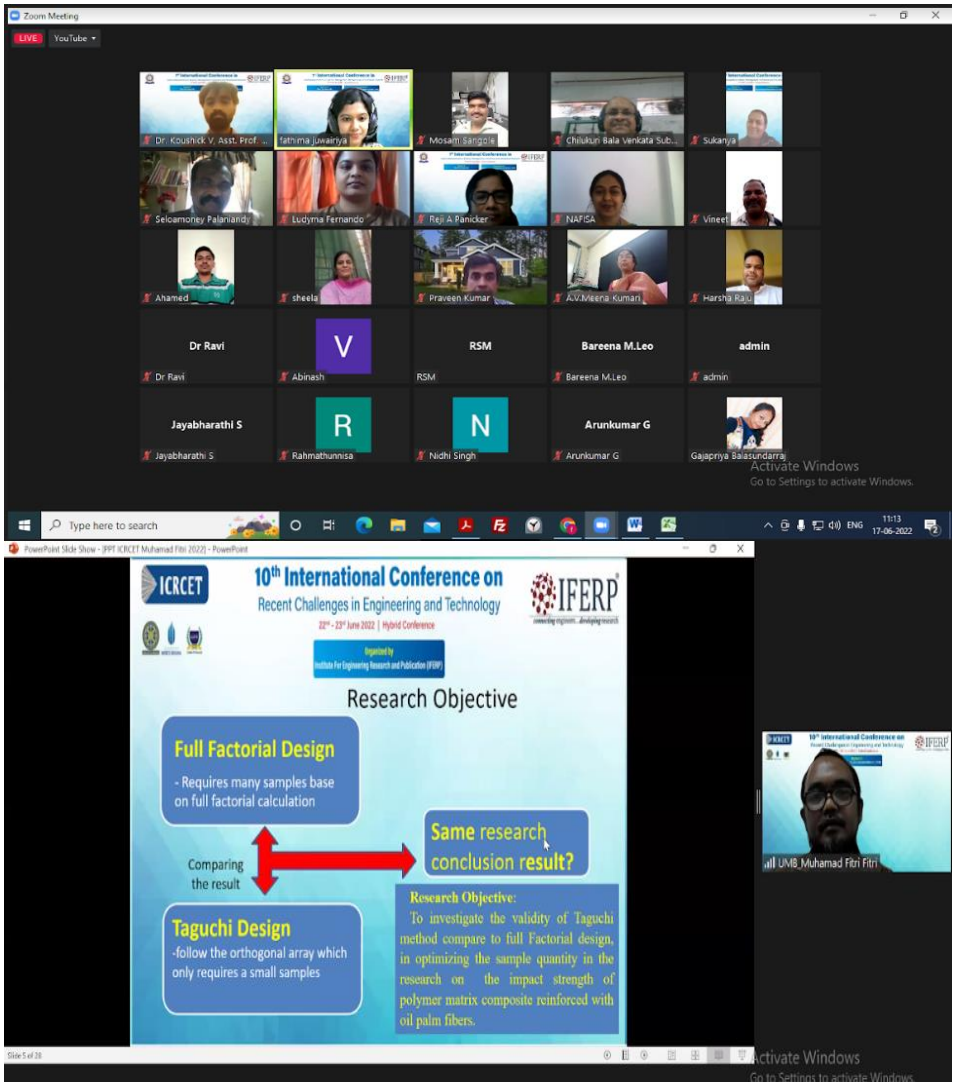
Corresponding Author
2) Thelma D. Palaoag, DIT
University of the Cordilleras
tdpalaoag@uc-bcf.edu.ph
Co-Author
10th International Conference on Recent Challenges in Engineering and Technology (ICRCET-22)


Zoom Meeting
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Research Objective
Full Factorial Design
- Requires many samples base on full factorial calculation
Comparing the result
Same research conclusion result?
Taguchi Design
-follow the orthogonal array which only requires a small samples
Research Objective:
To investigate the validity of Taguchi method compare to full Factorial design, in optimizing the sample quantity in the research on the impact strength of polymer matrix composite reinforced with oil palm fibers.
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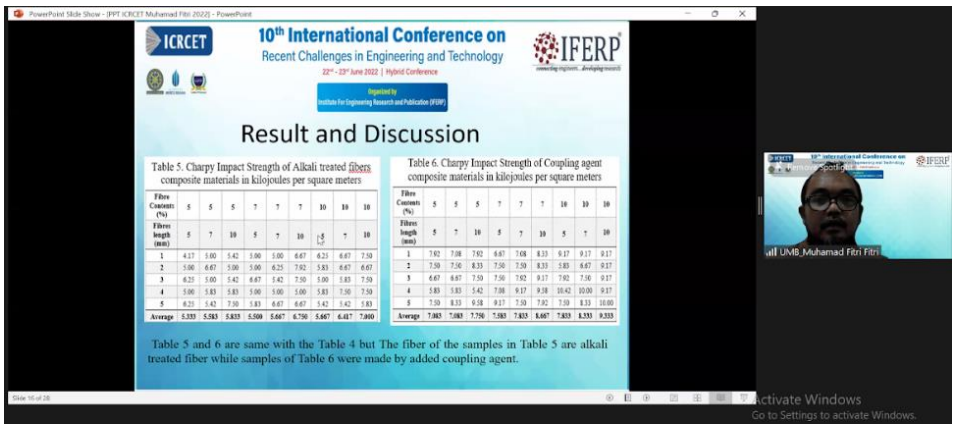
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Result and Discussion
Table 5. Charpy Impact Strength of Alkali treated fibers composite materials in kilojoules per square meters
Table 6. Charpy Impact Strength of Coupling agent composite materials in kilojoules per square meters
Table 5 and 6 are same with the Table 4 but The fiber of the samples in Table 5 are alkali treated fiber while samples of Table 6 were made by added coupling agent.
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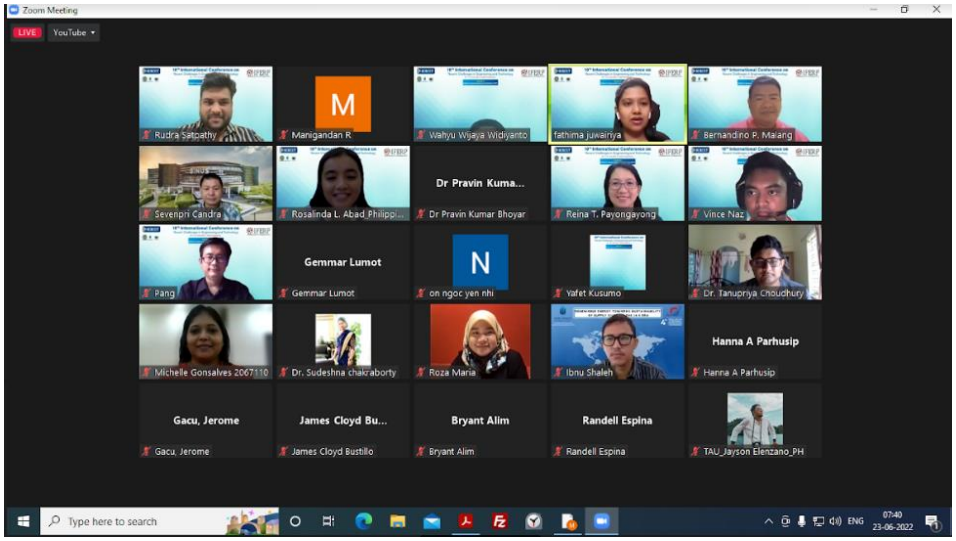
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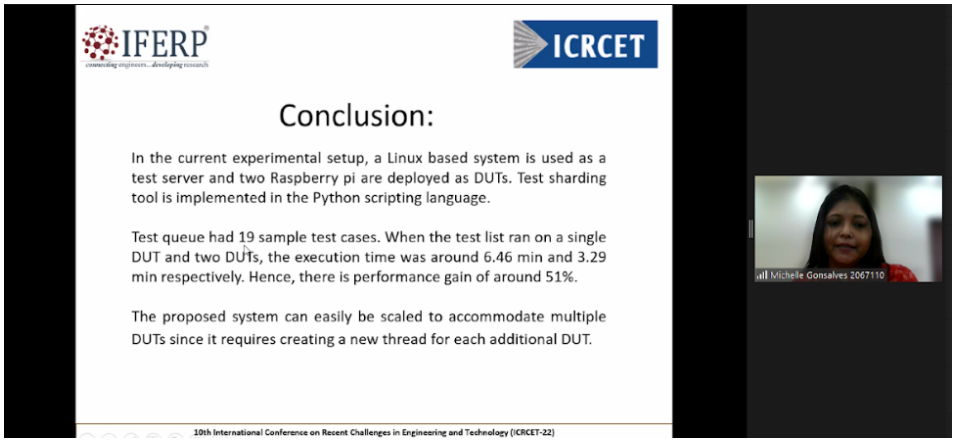
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Conclusion:
In the current experimental setup, a Linux based system is used as a test server and two Raspberry pi are deployed as DUTs. Test sharding tool is implemented in the Python scripting language.
Test queue had 19 sample test cases. When the test list ran on a single DUT and two DUTs, the execution time was around 6.46 min and 3.29 min respectively. Hence, there is performance gain of around 51%.
The proposed system can easily be scaled to accommodate multiple DUTs since it requires creating a new thread for each additional DUT.
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12. CONCLUSION SUMMARY

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