Conference Report



4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-21)

29th & 30th June 2021

Organized By

Institute for Engineering Research and Publication (IFERP)

www.icmdrse.com

info@icmdrse.net

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1. Event Summary

Conference Name: 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021)

Date: 29th & 30th June 2021

Conference Theme: Bringing engineering, technology, and management research areas

synchronically on an indivisible platform

Mode/Place: Virtual Conference

No of Delegates :59 Delegates for the conference

1.1 OVERVIEW

4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021) held on the 29th and 30th of June, 2021. Which is Organized by Institute for Engineering Research and Publication (IFERP).

Participating to this conference represents a way of inter-personal and inter-institutional communication based on research themes specific to the modern trends of the Applied Sciences, Engineering and Technology, Business Management Studies, Education & Technology domain, but also to the connection domains, having implications focused on the improvement of the qualitative level of the academic environment reflected in the direction of scientific research, science, Engineering, physical education, health and social environment.

The conference represents an occasion of international interest that is addressed to the Applied Sciences, Engineering and Technology, Business Management Studies, Education & Technology, but also to the professionals from connection domains who, by their contributions may provide a multidisciplinary communication framework.

Call For Paper:

Applied Sciences

Engineering and Technology

Business Management Studies

Education & Technology

1.2 Conference Theme

4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021) is 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 share 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 publication.

2. ABOUT THE CONFERENCE

One of the primary motives of the 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021) to be held in Kuala Lumpur, Malaysia on the 29th - 30th June 2021 is to spur unique discoveries in terms of countering conventional challenges faced in everyday engineering activities and technologies. Technology is progressing at a very fast pace, which currently is weighing heavily on the earth's bounty of natural resources and causing serious damage to the environment. The price for this large-scale and mass expansion in all forms of daily life is being paid for in the form of climate change.

Today, dangerous pollution levels and global environmental degradation endangers the very existence of life on our planet. Now, more than ever, there is an urgent need for professionals from all sectors of engineering and science to come together and work together to find sustainable solutions to sustain economic growth without harming the environment in any way whatsoever. It is unquestionably necessary to devise new strategies and improved technologies that are environmentally self-sustaining. Scientific discoveries and technological innovations to meet the demands of the waste management, energy sector, the manufacturing sector, industrial automation, transportation, and other sectors, must now focus on the ecological footprint. The conference will cover topics from diverse disciplines to bestow their innovative schemes for sustainable growth.

3.CONFERENCE SCOPE

ICMDRSE-2021 topics include, but are not limited to, the following research and development areas/fields .

- Automation/Control systems/Robotics
- Data Mining and Data Engineering
- Optical engineering
- Architecture Engineering
- Environmental Social Science
- Public Administration
- Social History
- Political Science

- Ancient and Modern Languages
- Human Geography
- Humanities, Social Sciences and Research

As a result, many Keynotes, Tutorial and 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 1 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 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021)

Keynote Speakers



Dr Hatem Hatef Abdulkadhim Alyasari Altaee

Professor of Econometrics Cihan University Sulaymaniyah, Sulaymaniyah, KRI, Iraq



Dr Mohd Syuhaimi Ab Rahman

Professor Spectrum Technology Research Laboratory, Universiti Kebangsaan Malaysia, Malaysia

Followed by the welcoming our chief guest of the 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021)

Guest of honour



Prof. Dr. Ernesto Damiani
Full Professor, Università degli Studi di
Milano, Italy
Senior Director of Robotics and Intelligent
Systems Institute and Director of Center for
Cyber-Physical Systems (C2PS), Khalifa
University, UAE



Dr. Glenn Rosos Andrin
Dean
Graduate School
St. Paul University
Surigao City,
Philippines.

Followed by welcoming our session chair of the 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021). ICMDRSE-2021 Consist of the 4 sessions. Which is spitted into 2 per day

Session chairs



Runato Armenia Basañes
Dean & Associate Professor IV
College of Teacher Education
University of Antique
Sibalom Philippines.



Dr. Chitra kiran. N
Professor and HOD
Department of Electronics and Communication
Engineering
Alliance University, Bangalore
India



Dr. Sasmita Pahadsingh
Associate Professor
School Of Electronics engineering
KIIT Deemed to be University, India



Dr. Mohammad Muqtada Ali Khan Senior Lecturer Faculty of Earth Science Universiti Malaysia Kelantan Kelantan, Malaysia

4.2 Opening Session _Conference Proceedings.

On behalf of the organizing committee we released the proceedings book on the conference day.



4.3 Keynote And Tutorial Speeches



Dr Hatem Hatef Abdulkadhim Alyasari AltaeeProfessor of Econometrics
Cihan University – Sulaymaniyah, Sulaymaniyah,
KRI, Iraq

Biography:

Dr Hatem Hatef Abdulkadhim Alyasari Altaee is Professor of Econometrics at the University of Cihan Sulaymaniyah, Kurdistan region of Iraq. He formerly worked in Al-Qadisiyah university as a head of department for the period 1990-1993 and as a dean of economic and administration college for the period 1993-2001. From 2001-2003 he acted as a dean of economic and administration college in Al-Kufa University. After the occupation of Iraq in 2003 ha moved to Syria and worked for University of Kalammon as a head of Management Department till 2012. He also, lectured in the Arab Academy of Banking and Financial sciences, Damascus, Syria, during the period 2006-2012. From 2012-up now he is working as a head of department and as a lecturer in Cihan University Sulaymaniyah, KRI, Iraq.

Professor Hatem holds a Bachelor's degree in Economics from the University of Mustansiriyah, Baghdad, Iraq, in 1976. He continued his education in econometrics and got his master degree from the university of Detroit mercy, USA. He obtained a PhD in Econometrics from the University of Bradford. UK.



Keynote Speech about: Resource abundance: A Curse or blessing. And about Proposed Economic and political mechanisms of the curse.



Dr Mohd Syuhaimi Ab Rahman

Professor Spectrum Technology Research Laboratory, Universiti Kebangsaan Malaysia, Malaysia

Biography:

Mohammad Syuhaimi Ab-Rahman began his career at Universiti Kebangsaan Malaysia (UKM), in mid-2007 as a lecturer and appointed as a senior lecturer in early 2008. In January 2010, he was appointed as Associate Professor in the Department of Electrical Engineering, Electronics and Systems. His specialization is in the field of electronic engineering specifically in optical communication system. He has been involved in many impact researches, academic writing, teaching, supervision, leadership positions, registered prototype and innovation, policy development and community services. He was promoted to full Professor at the age of 33 years old; which is very young and rare in Malaysia. This has demonstrated his outstanding personality and contribution to the field of science and technology. He was Deputy Dean Academic in Faculty of Engineering and Built Environment before been promoted to Director of Alumni Relation Center, Universiti Kebangsaan Malaysia. He is also professional engineer registered under Board of Engineering Malaysia.

To date, he has produced more than 13 PhD graduates, 16 Master of Science students, 286 journal articles, 196 proceeding, 21 books, 10 chapter in book. 24 awards/medals for science and technology exhibitions, 6 granted research patents, lead more than 10 impact research with cumulative MYR 4 million, head more than 5 impact community, held more than 10 administration positions, and involved in more than 5 important committees (e.g., Program Accreditation Evaluation Panel for Washington Accord EAC & ETAC, Malaysia Academic of Science).



Keynote Speech about: WDM Multimode Transmission in Small World Communication

4.4 Chief Guest And Tutorial Speeches



Prof. Dr. Ernesto Damiani

Full Professor, Università degli Studi di Milano, Italy Senior Director of Robotics and Intelligent Systems Institute and Director of Center for Cyber-Physical Systems (C2PS), Khalifa University, UAE

Biography:

Prof Ernesto Damiani is Full Professor at Università degli Studi di Milano, Senior Director of Robotics and Intelligent Systems Institute and Director of Center for Cyber Physical Systems (C2PS) within the Khalifa University, leader of the Big Data area at Etisalat British Telecom Innovation Center, and President of the Consortium of Italian Computer Science Universities (CINI). He is also part of the ENISA Ad-Hoc Working Group on Artificial Intelligence Cybersecurity, where he serves as Rapporteur.

According to DBLP (June 2021), Ernesto Damiani has authored 146 journal papers, 341 refereed articles in proceedings of international conferences, and published 57 books and chapters as an author or editor. According to Google Scholar, Ernesto's work has been cited more than 19,000 times and his h-index is 57; more than 303 of his papers have at least 10 citations. On Scopus he has 629 documents and more than 7,300 total citations by more than 5,900 documents. His Scopus h-index is 36. With 557 publications listed on DBLP, he is considered among the most prolific European computer scientists.

His areas of interest include cyber-physical systems, Big Data Analytics, Edge/Cloud security and performance, Artificial Intelligence, and Machine Learning. Ernesto Damiani has pioneered model-driven data analytics. Ernesto has been a recipient of the Stephen Yau Award from the Service Society, of the Outstanding contributions Award from IFIP TC2, of the Chester-Sall Award from IEEE IES, and of a doctorate honoris causa from INSA – Lyon (France) for his contribution to Big Data teaching and research.



Chief guest Speech about his research and spirit of the event



Dr. Glenn Rosos Andrin

Dean
Graduate School
St. Paul University
Surigao City,
Philippines

Biography:

Dr. Glenn Rosos Andrin graduated with degrees in Bachelor of Arts major in Literature, Master of Science Teaching major in English, Master of Arts in Education major in Pre-Elementary Teaching (Summa Cum Laude), Doctor of Education (EdD.)major in Administration (Cum Laude), Doctor of Philosophy (PhD.) major in Educational Management (Magna Cum Laude), and the Doctor of Philosophy (PhD.) major in Human Resources Management (Summa Cum Laude). He just recently obtain the Post-Graduate degree in Montessori Education Teaching from the University of San Carlos.

He has written several research articles in both national and international journals. He is currently a regular peer reviewer of research articles from the International Journal of Educational Management based in London, England. He was also a former Assistant-Study Leader on 2 CHED funded research studies under the CHED-GRANT in AID program during the NHERA-1. He used to be the University Research Coordinator of the University of Cebu from 2007-2010.

Previously, he was the basic education school principal of the University of the Visayas-Pardo Campus and concurrently holds the position of Academic Director of the Basic Education Department in all campuses of the University of the Visayas. Currently, he is now the Dean of the Graduate School of St. Paul University Surigao in Surigao City, Philippines.



Chief guest speech about: Covid 19 related issues & challenges and spirit of the event.

4.5 Guest Lecturer speech:



Assoc. Prof Ts Dr Fatma Susilawati Mohamad

Associate Professor Faculty of Informatics and Computing Universiti Sultan Zainal Abidin Kuala Terengganu, Malaysia

About Topic:

Journal Publications are the primary means for research professionals to be able to market their work and ultimately obtain the means for their papers to be paid attention to by the world. The most basic element of the paper publication process, whether it is in an SCI, SCOPUS, or Web of Science Journal, is planning, writing, and quickly publishing a great research paper that contains world-class research outcomes and studies.

A lot of researchers (both early career professionals as well as seasoned ones), however, lack the essential know-how about the typical publication processes followed by top SCI, SCOPUS, and Web of science journals.

Have a lecture on how to write an research paper and how to make publication it in Scopus and WOS indexed Journals.



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Head of Program Entrepreneurship Universiti Malaysia Pahang Pahang Malaysia



Dr. Aniza binti Ibrahim

Associate Professor Civil Engineering Universiti Pertahanan Nasional Malaysia Kuala Lumpur Malaysia

6.SCIENTIFIC PROGRAM

Day	Session	Topic
Doy 1	Technical Session I	Engineering
Day 1	Technical Session II	Science
	Technical Session III	Education
Day 2	Technical Session IV	Business Management
		Studies

6.1 Technical Session I

Enhancing Students' Online Engagement Among Online Distance Learning Institutions' Students in Malaysia. The Role of Digital Readiness as a Mediator

Presentation by Liana Mohamad

The Importance Of Metacognitive Awareness In Preparing Future Graduates

Presentation by Sharon Romeo

Characterization of Pre COVID-19 poverty associated with human capital in rural areas of Perú

Presentation by Belinda Navarro

Topic The Problem Of Online Teacher Training Problem In The curriculum Of Teacher Professional Development

Presentation by Alesa Durgaryan

Does HRM Practices And Integrity impact Performance In Malaysia: The Mediating Role Of Job Satisfaction

Presentation by Chong kok yeow

Primary Study on the Effect of the 1% and 2% TiO 2 Nanoparticles to the Microhardness, Microstructure and Contact Angle of the SnBi/Cu Solder Alloy

Presentation by Amares Singh

Effect of Cognitive Influence on Consumer Online Health Information Seeking for Supplemental Nutrition: A Study of Young Urban Professionals of Kuala Lumpur

Presentation by Raja Shuja-ul-Haq

Disaster Preparedness in Case of Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) events: A Review.

Presentation by Nor Yazjehan Yahya

Facial Expression Recognition: A New Dataset and a Review of the Literature

Presentation by Mohammed Ahmed Mohammed Saleh

Students' Response to Online Learning during COVID-19 Pandemic: Case Study of an Outcome Unit in Malaysia Private University

Presentation by Kuok king kuok

The Effect of Learning Factory Approach on Technology Management Education for Social Science Students

Presentation by kuei- chien chiu

The Application of Statistical Quality Control Methodologies within SMEs in Johor Bahru

Presentation by Tan Owee Kowang

Technical Session II

A study on Gamification toward Engineering Students' Engagement in the University Level

Presentation by Kho Lee Chin

Cloud Based Vehicle Tracking System

Presentation by Mohamed Amir Ahmed Abdalla

College Going Females' Perceptions Towards Polycystic Ovarian Syndrome

Presentation by Renuka Jakhar

A common fixed point for six self-maps in fuzzy metric space using common limit in range property concerning two pairs of products of two different self-maps

Presentation by Praveen Kumar Sharma

Investigational Study And Determination Of Mechanical characteristics Of Woven Basalt Fibre Strengthened With epoxy Resin And Vinyl Ester Resin

Presentation By Hemanth Kumar

Embedding Game-Based Learning Approach to Strengthen Student's Achievement in Geometry

Presentation by Joana De Guzman Quinto

Wireless Body Area Networks: Research Issues and Future Trends

Presentation by Seema Chawla

Develop a Remotely Operated Vehicle (ROV) for Dam Inspections and Oil & Gas Industry pipeline inspection cum monitoring purpose

Presentation by Balaji Thiru

21 st Century Technological Pedagogical Content Knowledge (TPACK) Level Among English Language Educators: A Pilot Study

Presentation by Hidayu Shafie

Adopting Industry Practices in Delivering Professional Presentations: Considerations in Teaching Presentation Skills in University

Presentation by Maisarah binti Ahmad Kamil

Sex Differences in Screen Time and Playfulness among Chinese Preschool Children *Presentation by Tun Ju Ern*

Association between Family Involvement, Play, and Literacy Skills among Preschoolers from Low-income Families in Nigeria: The Mediating Role of Literacy Interest

Presentation by Nyah Mohammed

Determinants of female entrepreneurship in e-commerce in a developing country Presentation by Elizabeth Emperatriz García-Salirrosas

Footprint of TPF entities in Trade Liberalization and International Commercial Dispute Resolution Mechanism with Reference to India

Presentation by Seemasmiti Pattjoshi

Online Education: Lessons Learned from Teaching Undergraduate Courses

Presentation by Essam Zaneldin

Optimization Analysis of Screw Propeller Blade

Presentation by Choy Hau Yan

Isolation of alkalophilic pectinolytic bacteria and their bio retting effect **Presentation by Mohammad Munir Hossain**

Technical Session III

Input fields recognition in documents using Deep Learning Techniques

Presentation By Rahul Singh Dangi

Design Of A Rescue Flyer

Presentation By Mohamed Shabbeer Zayed

Case report ludwig's Angina report of a case and literature review

Presentation By Dr.Smriti Gupta

Medical Treatment In Malaysia after Covid-19: Travel Intentions Among Foreign Tourists

Presentation By Aziean Jamin

Constructivism: A New Approach to Teach Set Theory in Classroom

Presentation By Dr. Subrata Saha

Synthesis and characterization of Xerogel sorbent from coconut shell biochar

Presentation By Deana Qarizada

Physical and Mechanical Characterization of Concrete with Crushed Clay Brick with Mortar Attached for Irrigation Channels

Presentation By Karina Vilela

Placement of Dry-Mix Shotcrete in Tunnels: Literature Review on Rebound

Presentation By Jose Rodriguez

Analysis of Employees Turnover in China's State-Owned Enterprise

Presentation By Guo Zhen

A Segmentation of Brain Tumor Detection from MRI Images Transform information Using Algorithms in CBMIR

Presentation By Sheetal Ashokrao . Wadhai

Parental Guidance On Mathematics Learning For Low- grades Students During The Covid-19 Pandemic

Presentation By Nia Fatmawati

Conceptual framework of Google's Online Learning Tools for Python Programming

Activity on Challenge-Based Learning

Presentation By Chacharin Lertyosbordin

Technical Session IV

Student's Soft Skills Level Through Involvement in Club Activities

Presentation By Azura Ishak

Sustainable Retirement village: A Segment Of Existing legal Provisions In Malaysia

Presentation By Dr Nor 'Adha Ab Hamid

Conservative Correlational study of the impact and adaptation of virtual education among university students

Presentation By Israel Barrutia Barreto

Work Motivation in Mediating Emotional Intelligence to Improve Employees' Job Performance of State-Owned Enterprise in Port and Maritime Management

Presentation By Edgar Octoyuda

Public Mathematics Competency of Graduating Engineering Students of Mountain Province State Polytechnic College

Presentation By Emily Ann B. Marrero

Gulf countries no longer the dream land for Indian Migrants

Presentation By Neetu

Adaptation of Authentic Hadith Requirements as A Method of Determining the Authenticity of Islamic Information Communication

Presentation By Muhammad Taufik Md Sharipp

Correlation between Quranic Preaching Methods with Communicator's Credibility among The New Media Users in Malaysia

Presentation By S. Salahudin Suyurno

Don't Tell Me, Train me: Employee Training, as the Most Significant Contributing Factor to Employee Performance in North of Malaysia's Tourism Industry

Presentation By Faiz Azizul

The Impact of Work Stress to Job Burnout among Employee in Malaysian Construction Company

Presentation By Xiaojie Hu

Inclusivity in the Workplace for Persons with Disabilities: Analyzing Communication Effectiveness within Malaysian Companies

Presentation By Haziman Zakaria

Evaluating Employee Innovation and Creativity towards Employee Turnover Intention in the Malaysian Hospitality Industry

Presentation By Diyana Kamarudin

Blended Learning Curriculum Approach: A Systematic Review of the Challenges for Students

Presentation By Fazilah Razali

QoS Optimization in Cloud Computing Networks

Presentation By Abhikriti Narwal

Potential of San Fernando Province of Romblon as Ecotourism Destination *Presentation By Sandy B. Ramilo, MBA*

Process Oriented Guided Inquiry Learning Students' Achievement in Biology Presentation By Noronihar B. Datu-Dacula

The Evidence of Microfinance as a Tool in Poverty Alleviation in Malaysia – A Survey

Presentation By Ahmad Nazrie Bin Mohd Nor

Developing a Method of Understanding Tafsir Nur Al-Ihsan Using Intertextual Approach: A Critical Analysis based on the Parallel Method Presentation By Mohd Sholeh Bin Sheh Yusuff

6.2 Highlights Day1 Session

Day 1 of ICMDRSE-2021 Conference consist of 2 sessions. First session consists 12 presentations and Second session consists 18 presentations.

Highlight of Session I

Session I of ICMDRSE-2021 Conference consist of 12 presentation in which the presentation which attracted all is listed below



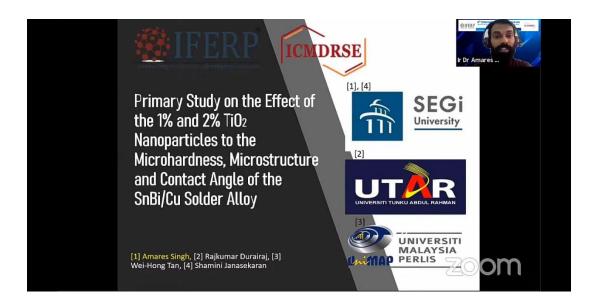
Author Name: Amares Singh

Title: Primary Study on the Effect of the 1% and 2% TiO 2 Nanoparticles to the Microhardness, Microstructure and Contact Angle of the SnBi/Cu Solder Alloy

Abstract:

This paper investigates the influence of the 1 % and 2 % titanium dioxide (TiO2) nanoparticles to the microhardness, microstructure, and contact angle of the Sn58Bi (SB) solder. Results showed increase (2 % increment) on the microhardness for the nanoparticles reinforced solder with the recorded microhardness value of 22 Hv and 23.6 Hv for 1 % and 2 % additions respectively. The TiO2 presented at the solder side with more Bi island observed in the TiO2 reinforced solders. Contact angle increased minorly (≈5 °) as the weight percentages of additions increases because of the presence of nanoparticles that will increase the viscosity of the molten solder. The introduction of TiO2 into the SB solder resulted in satisfactory effect without interrupting the low melting aspect of the solder alloy. Enhancement on the hardness properties via better microstructure affect and presence of TiO2 as additional strengthening mechanism provides an initial suggestion on the usage of this combination of nanoparticles in to the SnBi solder alloy as the remedy to replace the lead solder in the electronic industry..

Keywords: SnBi solder, microhardness, contact angle, microstructure.



Highlight of Session II

Session II of ICMDRSE-2021 Conference consist of 18 presentations in which the presentation which attracted all is listed below

Name: Kho Lee Chin

Title: A study on Gamification toward Engineering Students'

Engagement in the University Level

Abstract:

Most engineering students may struggle with complicated theories, heavy assignments, lack of motivation and disengagement in the classroom. According to studies, student engagement in the classroom is critical in the learning process. It can increase students' attention and motivate them to practice critical thinking skill. It may also promote positive learning experiences. By this, the learning outcomes in technical understanding and application definitely can be improved. However, how to increase student engagement, particularly for engineering courses in the classroom? Educators are introducing several student-centred teaching methods to replace the traditional direct instruction teaching methods, such as inquiry-based learning, project-based learning, service-based learning and others.

Keywords: Gamification, Student's engagement, Engineering courses, Motivation.



6.3 Highlights of Day 2 Sessions

Highlight of Session III:



Name: Sheetal Ashokrao .Wadhai

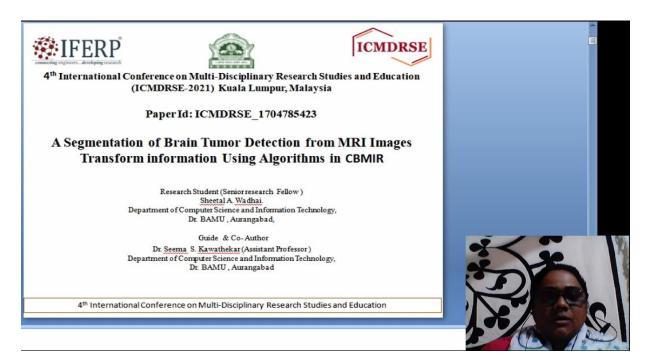
Title: A Segmentation of Brain Tumor Detection from MRI Images

Transform information Using Algorithms in CBMIR

Abstract:

Automatic defect identification in MRI (Magnetic Resonance Image) is now critical in a wide range of diagnostic and therapeutic applications. This paper presents a novel automated brain tumor identification system for identifying any abnormality in the brain. A variety of characteristics that represent a picture of the brain are presented here. The Content-Based Image Retrieval (CBIR) scheme is used for image retrieval based on visual characteristics. Essentially, the purpose of this framework is to facilitate image retrieval based on content properties (e.g., form, colour, texture), which are traditionally encoded into feature vectors. In this article, the features of each image contained in the database are extracted and compared to the features of the query image. The software output is the image that is more identical to the input image and its definition. The program's performance in terms of having a good definition for a new input picture was evaluated. It has a productivity of about 98 percent.

Keywords: Brain tumor retrieval, Content Based Image Retrieval (CBIR), CBMIR, Feature Extraction, Shape, Segmentation, Texture



Highlight of Session IV



Name: Emily Ann Marrero

Title: Mathematics Competency of Graduating Engineering Students

of Mountain Province State Polytechnic College.

Abstract:

Mathematics is an integral part of the Engineering curriculum and Engineering licensure examinations which include Algebra, Trigonometry, Analytic Geometry, Solid Geometry, Calculus, and Probability and Statistics. Little research has been conducted to explore engineering students' learning of mathematics, in particular concerning what mathematical competencies are needed for Engineers. This study assessed the Mathematics competency of graduating Electrical, Civil, and Geodetic Engineering students along with the different subject areas. It also evaluated the level of competence of students along with the 3 groups of learning outcomes (knowledge, problem analysis, and application to real-world situations). The narrative descriptive survey was used. Weighted mean was used to determine the level of competence of the students and chi-square test for significant differences in their competence levels. The result of the study shows that the level of competence of the students in Mathematics as a whole is unsatisfactory with satisfactory competence level in Probability and Statistics, unsatisfactory in both Algebra and Trigonometry, and poor in Calculus, Solid Geometry, and Analytic Geometry. There are significant differences in their level of competence along with the different subject areas. The students' competence level in knowledge and application is poor, while unsatisfactory in analysis. With an unsatisfactory competence level in Mathematics, the graduating Engineering students lack the necessary mastery in Mathematics that warrants a better chance of passing the board.

Keywords: Engineering, Mathematics competency, MPSPC, Learning outcomes.

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MATHEMATICS
COMPETENCY OF
GRADUATING
ENGINEERING
STUDENTS OF

- . Authors: Emily Ann B. Marrero and Rose B. Amoy
- 2. Guide Name: Emily

 4^{th} International Conference on Multi-Disciplinary Research Studies and Education

6.4 Most Enjoyed Presentations



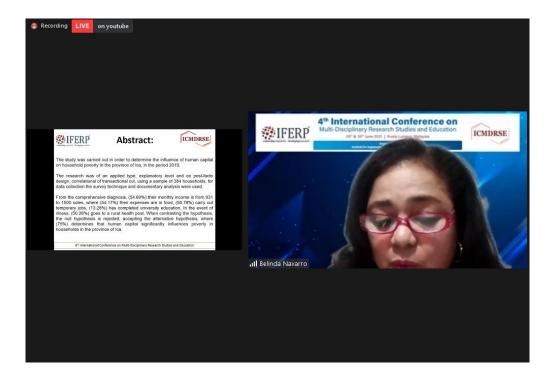
Name: Belinda Navarro

Title: Characterization of Pre COVID-19 poverty associated with human capital in rural areas of Perú

Abstract:

The study was carried out in order to determine the influence of human capital on household poverty in the province of Ica, in the period 2019. The research was of an applied type, explanatory level and ex post-facto design, correlational of transactional cut, using a sample of 384 households, for data collection the survey technique and documentary analysis were used. From the comprehensive diagnosis, (54.69%) their monthly income is from 931 to 1500 soles, where (54.17%) their expenses are in food, (50.78%) carry out temporary jobs, (13.28%) has completed university education, In the event of illness, (50.26%) goes to a rural health post, When contrasting the hypothesis, the null hypothesis is rejected, accepting the alternative hypothesis, where (75%) determines that human capital significantly influences poverty in households in the province of Ica.

Key Words: Human capital, poverty, unemployment, well-being





Name: Kuok king kuok

Title: Students' Response to Online Learning during COVID-19 Pandemic: Case Study of an Outcome Unit in Malaysia Private University.

Abstract:

COVID-19, an extremely infectious disease or illness caused by the extreme acute respiratory syndrome Coronavirus-2 had killed about 3 million people globally till to date. The only way to stop the virus from spreading is avoiding close contact. Hence, the conventional teaching and learning environment was transformed from face-to-face to online education through Zoom, personal to interactive, and seminars to webinars. However, the impacts and feedbacks from the students are unknown. Therefore, this survey study was conducted to evaluate the responses from students. The selected study unit is CVE40004 Water Engineering, an outcome unit with complex engineering problems offered in Swinburne University of Technology Malaysia Sarawak Campus. The teaching pedagogical approaches that had been adopted are crossover learning, context-based learning, computational thinking, and adaptive teaching. Most of the students proclaimed that learning quality, effectiveness, interest and comfortability were reduced significantly after attending online classes. With adequate computer skills and facilities, most of the students still felt isolated and faced difficulties in communicating with group members. It is believed that the situation and responses will get better after the students adapt to new online teaching and learning environment.

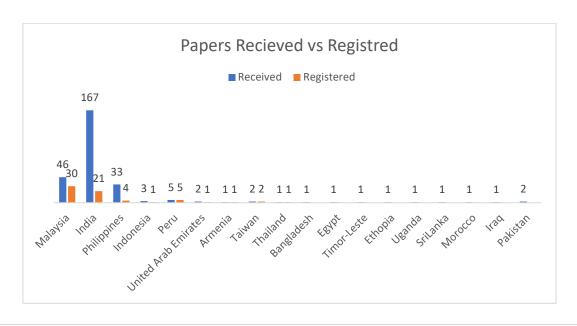
Keywords: COVID-19 Pandemic, Case Stud, Malaysia, Private University, Online Learning.

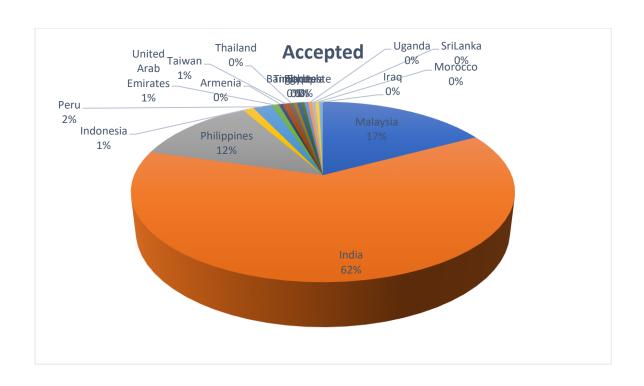


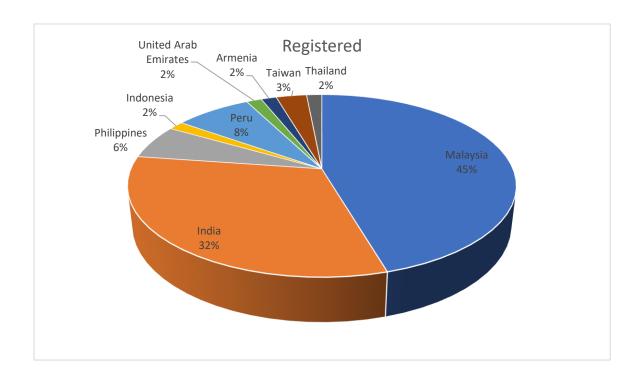
7.SURVEY ANALYSIS

Papers received based on the Country.

Country	Accepted	Registered
Malaysia	46	30
India	167	21
Philippines	33	4
Indonesia	3	1
Peru	5	5
United Arab Emirates	2	1
Armenia	1	1
Taiwan	2	2
Thailand	1	1
Bangladesh	1	-
Egypt	1	-
Timor-Leste	1	-
Ethiopia	1	-
Uganda	1	-
Sri Lanka	1	-
Morocco	1	-
Iraq	1	
Pakistan	2	-
Total	269	66







8.VALIDICTORY

In the Valedictory best paper and best paper Presentation of 4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021) was announced

Best paper award

Paper ID	Paper Title	Author Name
ICMDRSE_2101923416	Primary Study on the Effect of the 1% and 2% TiO 2 Nanoparticles to the Microhardness, Microstructure and Contact Angle of the SnBi/Cu Solder Alloy	Amares Singh

Best paper Presentation award

Paper ID	Paper Title	Author Name
ICMDRSE_0404176429	Effect of Cognitive Influence on Consumer Online Health Information Seeking for Supplemental Nutrition: A Study of Young Urban Professionals of Kuala Lumpur	Raja Shuja-ul- Haq





9.FEEDBACK

Name : Asgar M. Anda

Email:asgar.anda@yahoo.com

Contact Number :+639487478880

University Name : Mindanao State University - Main Campus

Designation :Student Country :Philippines

What is your overall evaluation of the conference ? :Yes-definitely

Comments : It was successful conference

What is your rating of the overall effectiveness of the presentations and speakers you heard?: More than satisfactory

Comments: The speakers had a very interesting topic

What is your over all evaluation of the conference organization?: Yes-definitely

Comments: This organization had best and organized conferences.

What aspects of the conference were of more value to you? :The presentation of each researcher and the presentation of the Guest Lecturer

What aspects of the conference were of least value to you? :None

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. 1.

Writing research paper with international standard. 2. Choosing research topic that is relevant to the situation 3. Ethical issues in conducting research

Overall Organization : Very Good

Conference Registrations : Good

Speaker Quality : Very Good

How did you first learn about the conference? :It is well-known conference in the Asia.

- 1. Overall, how was the Conference ?: 9 Star
- 2. After the event, how inspired did you feel ?: 9 Star
- 3. Would you recommend a similar event to a friend? :Yes-definitely

4. The Speakers

Evaluate presenters on how they met the criteria below

Speaker 1:- Hatem Hatef Abdulkadhim Alyasari Altaee

Interesting and entertaining: Mostly

Relevant to you : Mostly

Inspiring : Definitely

Speaker 2 :- Prof Ir Dr Mohammad Syuhaimi Ab-Rahman

Interesting and entertaining : Definitely

Relevant to you : Mostly

Inspiring : Mostly

Email: fatmawatinia75@gmail.com

Message Please write all author

Name :Alesa Durgaryan

Email :alyaska20@mail.ru

Contact Number :+37493572178

University Name :ASPU

Designation :ESL/EFL/ESP TRAINER

Country :Armenia

What is your overall evaluation of the conference ? :Yes-definitely

Comments :Interesting modern topics

What is your rating of the overall effectiveness of the presentations and speakers you heard?: More than satisfactory

Comments :Internet

What is your over all evaluation of the conference organization ? :Yes-definitely

Comments :Well-organized

What aspects of the conference were of more value to you ? :Interesting topic s

What aspects of the conference were of least value to you ? :Internet

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :More time

Overall Organization : Very Good

Conference Registrations :Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :Fo

Name :Nor Yazjehan Yahya Email :<u>noryazjehan@gmail.com</u> Contact Number :+601131209803

University Name :University Technology Malaysia

Designation : Master student

Country : Malaysia

What is your overall evaluation of the conference ? :Yes-definitely

Comments : Good

What is your rating of the overall effectiveness of the presentations and speakers you heard?: No-Never

Comments : Allow test timing for participants

What is your over all evaluation of the conference organization?: Yes-definitely

Comments :Secretariat Mr Madhavan very helpful and Mrs jojo very great and considerate emcee..Good job

What aspects of the conference were of more value to you? Publication of paper What aspects of the conference were of least value to you? Delay in presentation timing

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable.

:Disaster Risk Reduction Overall Organization :Very Good Conference Registrations :Very Good

Speaker Quality : Very Good

How did you first learn about the conference ?: Google search

- 1. Overall, how was the Conference ?:10 Star
- 2. After the event, how inspired did you feel ?: 10 Star
- 3. Would you recommend a similar event to a friend? :Yes-definitely

4. The Speakers

Evaluate presenters on how they met the criteria below

Speaker 1:- Hatem Hatef Abdulkadhim Alyasari Altaee

Interesting and entertaining : Definitely

Relevant to you : Definitely

Inspiring : Definitely

Speaker 2 :- Prof Ir Dr Mohammad Syuhaimi Ab-Rahman

Interesting and entertaining : Definitely

Relevant to you : Definitely

Inspiring : Definitely

Email: alyaska20@mail.ru

Message :Thanks

Name :pantas h silaban

Email: pantas.silaban@uhn.ac.id Contact Number:+6285361992341

University Name :Universitas HKBP Nommensen

Designation :Medan Country :Indonesia

What is your overall evaluation of the conference ? : Satisfactory

Comments :can joint online

 $What is your rating of the overall \ effectiveness of the presentations \ and \ speakers \ you \ heard \ ? \ : No-Never \ description \ for \$

Comments :can follow the agenda

What is your over all evaluation of the conference organization?: No-Never

Comments :team work

What aspects of the conference were of more value to you? :experience

What aspects of the conference were of least value to you? :no comment

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable :marketing

Overall Organization : Good Conference Registrations : Good

Speaker Quality : Good

How did you first learn about the conference ? :from friend

Name : Nurul Hidayu binti Shafie

Email: nurulhidayu_shafie@yahoo.com.my

Contact Number :0192607008

University Name : Universiti Teknologi MARA (UiTM)

Designation :Postgraduate student

Country : Malaysia

What is your overall evaluation of the conference ? :Satisfactory

What is your rating of the overall effectiveness of the presentations and speakers you heard?: More than satisfactory

Comments : Very informative!

What is your over all evaluation of the conference organization?: No-Never

Comments : Good!

What aspects of the conference were of more value to you ? : Smoothness of the flow

What aspects of the conference were of least value to you ? :None

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :Covid

Overall Organization : Very Good Conference Registrations : Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :Internet search

Name :KISNO

Email:kisno@metrouniv.ac.id

Contact Number :085896862818

University Name :Institut Agama Islam Negeri Metro

Designation : Co-Author

Country : Indonesia

What is your overall evaluation of the conference?: Satisfactory

Comments : Satisfactory

What is your rating of the overall effectiveness of the presentations and speakers you heard ?: No-Never

Comments : Satisfactory

What is your over all evaluation of the conference organization?: No-Never

Comments : Satisfactory

What aspects of the conference were of more value to you? I am so happy for the moderator who is so passionate and energetic. I got a lot of things from the presentations delivered by the presenters. How they deliver unique and interesting research results.

What aspects of the conference were of least value to you? :In general and overall this conference is very valuable and leaves a positive impression

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable. :For an upcoming conference I'd like to provide input: 1. Technical conferences remain in two ways, namely online and offline systems 2. All articles are guaranteed to be published in Scopus journals or other reputable journals at affordable costs 3. The theme of the multidisciplinary conference

Overall Organization : Good

Conference Registrations : Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? I am a member of an organization or association of Indonesian lecturers and the Association of Experts and Lecturers of the Republic of Indonesia, every year I also hold conferences, both at the National and International levels

Name :Nia Fatmawati

Email:fatmawatinia75@gmail.com Contact Number :081927980004

University Name :Universitas Pendidikan Indonesia

Designation :-Country : Indonesia

What is your overall evaluation of the conference ? :Yes-definitely

Comments : I like madhavan and jojo :D

What is your rating of the overall effectiveness of the presentations and speakers you heard? : More than satisfactory

Comments :-

What is your over all evaluation of the conference organization ?: Yes-definitely

Comments :-

What aspects of the conference were of more value to you ? :open mind to be better

What aspects of the conference were of least value to you? :-

Please list suggestions for topics and speakers for future conferences. We are interested in the issues you are facing or the presentations you would find most valuable.

Overall Organization : Very Good Conference Registrations : Very Good

Speaker Quality : Very Good

How did you first learn about the conference ? :-

- 1. Overall, how was the Conference ?: 7 Star
- 2. After the event, how inspired did you feel ?: 8 Star
- 3. Would you recommend a similar event to a friend? :Yes-definitely

4. The Speakers

Evaluate presenters on how they met the criteria below

Speaker 1:- Hatem Hatef Abdulkadhim Alyasari Altaee

Interesting and entertaining : Mostly

Relevant to you : Mostly

Inspiring : Mostly

Speaker 2 :- Prof Ir Dr Mohammad Syuhaimi Ab-Rahman

Interesting and entertaining: Mostly

Relevant to you :Mostly Inspiring :Definitely

Email: nurulhidayu_shafie@yahoo.com.my

Message : Very inspiring!

- 1. Overall, how was the Conference ?: 9 Star
- 2. After the event, how inspired did you feel ?: 9 Star
- 3. Would you recommend a similar event to a friend? :Yes-definitely

4. The Speakers

Evaluate presenters on how they met the criteria below

Speaker 1:- Hatem Hatef Abdulkadhim Alyasari Altaee

Interesting and entertaining: Mostly

Relevant to you :Mostly

Inspiring : Mostly

Speaker 2 :- Prof Ir Dr Mohammad Syuhaimi Ab-Rahman

Interesting and entertaining: Mostly

Relevant to you : Mostly

Inspiring : Mostly

Email: taufiksharipp@uitm.edu.my

Message :good conference

10.VOTE OF THANKS:

Vote of thanks speech By Dr Jacinta Dsilva, Assistant Professor, Marketing, University of Balamand, Dubai.

4th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2021) successfully hosted on 29th and 30th June 2021. The conference was organized with a focus on Bringing engineering, technology, and management research areas synchronically on an indivisible platform.

The generous response and active participation of the Organizing Committee Members advisory committee members. we take the opportunity to thank all the speakers, chief guests session chairs, guest lecturer, delegates and participants for providing their valuable support and time for ICMDRSE-2021.

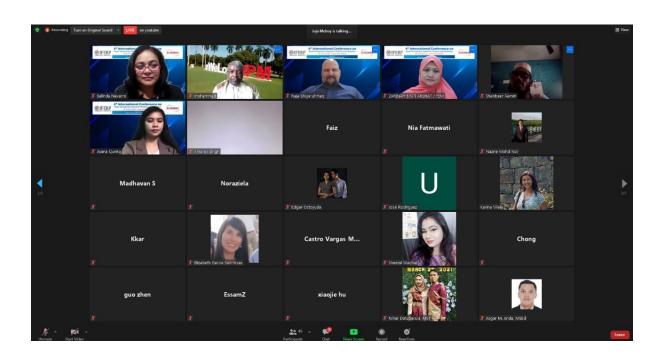
Organizing Committee would like to thank the Moderator of the conference, and who contributed a lot for the smooth functioning of this event.

congratulates the Best Paper, Best paper Presentation awardees for their outstanding performance in the field of Engineering, Sciences and appreciates all the participants who put their efforts in poster presentations & Young Researchers form and sincerely wishes them success in future endeavours. On behalf of IFERP heartily thank all the delegates and students who have contributed to the conference success. Thank you all for participating in our conference.

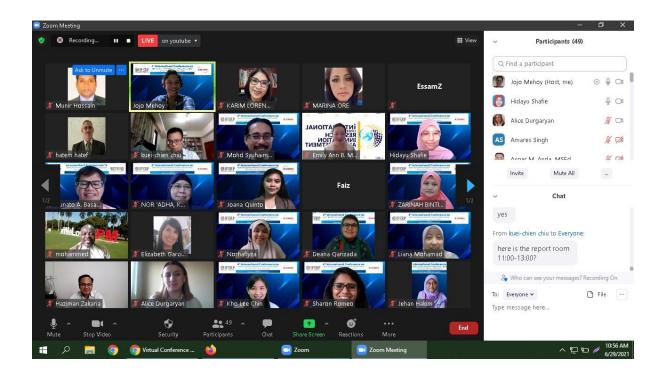
11.CONFERENCE GLIMPSES

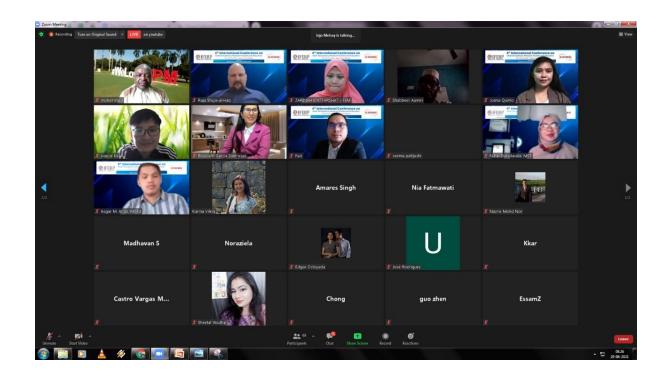


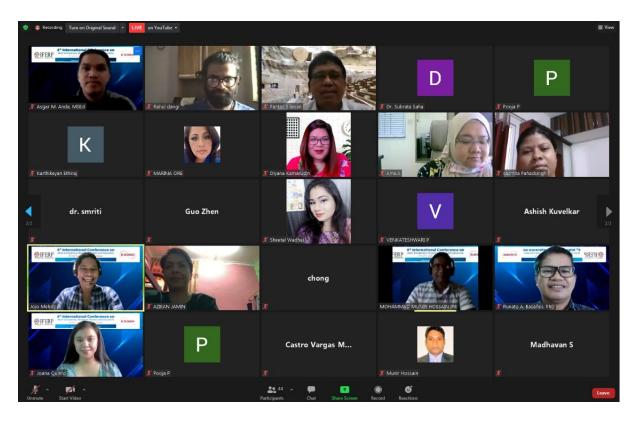




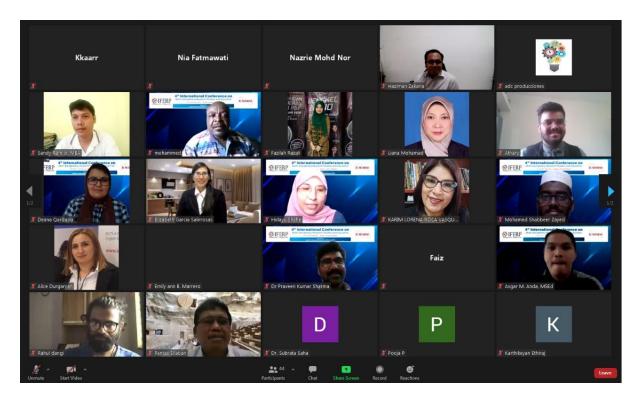


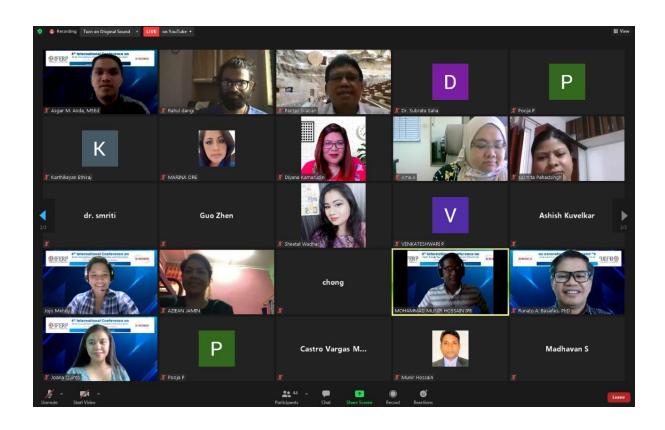


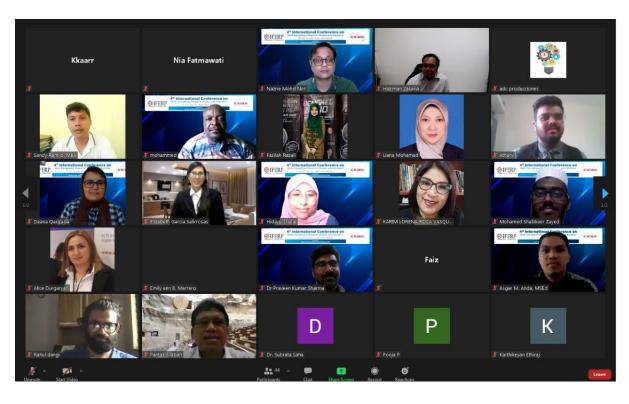


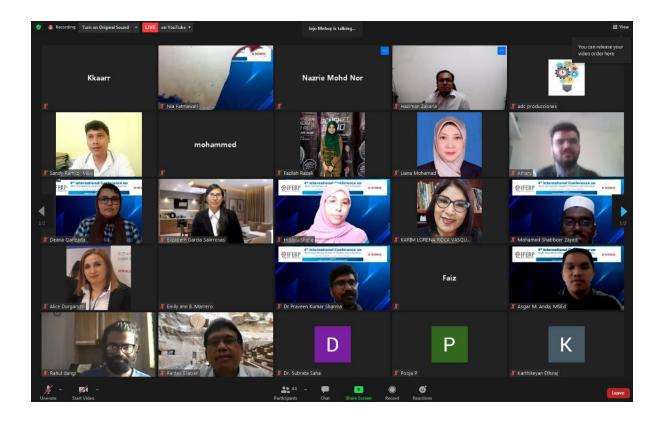












12.CONCLUSION SUMMARY

ICMDRSE-2021 was a success event organized by IFERP. Thanks to Organization committee members and all participants. This event provided a learning experience to all and shape ourselves to near future. We would like to conclude with Thank you to all.

Our Associates





















Proceeding Book

Click the link to download the Proceedings Book

 $\underline{https://drive.google.com/drive/folders/1rj5k2SbSgnmsKznKOnlwAwTrBu0gWEMw?usp=sharing}$

Conference poster

Click the link to download the poster

https://drive.google.com/drive/folders/1rj5k2SbSgnmsKznKOnlwAwTrBu0gWEMw?usp=sharing

Conference Brochure

Click the link to download the brochure.

https://drive.google.com/drive/folders/1rj5k2SbSgnmsKznKOnlwAwTrBu0gWEMw?usp=sharing

Conference Background

