

# CONFERENCE REPORT

**1st International Conference on Technology Innovative  
Educational and Multidisciplinary skills in the 21st  
century research” (ICTEMR\_2021)**

**27th & 28th March, 2021**

**Organized By**

**Eastern Institute of Technology Suvarnabhumi  
(EITS), Thailand**

**In Association with**

**Institute For Engineering Research and Publication  
(IFERP)**

## About ICTEMR Conference:

**1st International Conference on Technology Innovative Educational and Multidisciplinary skills in the 21st century research” (ICTEMR\_2021)** was took place on the **27th and 28th of March, 2021** organized by Institute Innovation Technology Educational and Research for Eastern Institute of Technology Suvarnabhumi (EITS) in Association with IFERP focused on establishing the bar for effective future inclinations. 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

Participants had afforded the incredible chance to interact with leading experts from their respective fields, taking the opportunity to draw everyone commonly in a panel and to bestow their plans in different countries.

ICTEMR-21 strives to join the gap among researchers and academics in various domains, and this type of long-term imagination has resulted in the launching of this incredible and unique initiative involving experts from all fields. ICTEMR - 2021 is organized especially to furnish delegates with hard-to-find knowledge and expertise that they will find nowhere else.

## About EITS College

### Eastern Institute of Technology Suvarnabhumi

It was established based on the concept of a group of academic experts, experts from various fields with working experience in leading education circles in the country and abroad. Come together with the clear objective of being a part of the educational society that will drive the education system in the country with a sustainable development with a focus on capacity development and driving the economy.



Study of the country through the process of innovative skills of human learning into the wisdom of life with complete modern learning materials and processes that have a system based on academic principles and experience of academics at the Eastern Institute of Technology of Suvarnabhumi. It has received correct suggestions from people with knowledge and expertise who have been put into practice with a focus on building a strong "Thai education system" and able to build a sustainable career.



## **Message from Director, Institute Innovation Technology Educational and Research for Eastern Institute of Technology Suvarnabhumi (EITS)**

**Asst.Prof.Dr.Phumphakawat Phumphongkhasorn**  
**Director, EITS**



On behalf of The 1st International Conference on Technology Innovative Educational and Multidisciplinary skills in the 21st century research”(ICTEMR\_2021) organizing team, I am honored and delighted to welcome you to The 1st International Conference on Technology Innovative Educational and Multidisciplinary skills in the 21st century research”(ICTEMR\_2021) to be held on 27-28 March 2021 at Institute Innovation Technology Educational and Research for Eastern Institute of Technology Suvarnabhumi (EITS) with Institute For Engineering Research and Publication (IFERP).

Any conference is intended for discussing lively and emerging issues of a particular educational domain and disseminating the awareness among other researchers and scholars. We have been witnessing the dramatic improvements in the field of Education and Multidisciplinary Technologies and applications. I hope 1st International Conference on Technology Innovative Educational and Multidisciplinary skills in the 21st century research”(ICTEMR\_2021) will become surely the most important International event and bring out latest trends in Multidisciplinary and Educational Innovation.

In order to provide an outstanding research level for the presentations at the conference, we have invited distinguished experts to participate in the program. We will have, plenary sessions by keynote speakers during 2 days of conference including the awards presentation during the closing session on the last day of the conference.

I hope the 21st century research”1st International Conference on Technology Innovative Educational and Multidisciplinary skills in the 21st century research”(ICTEMR\_2021) will make you to reflect yourself with state-of-the art and provide opportunity to discuss various educational issues and challenges including other sciences with multidisciplinary aspects.

## **KEYNOTE SPEAKERS**



**Dr. Thanarak Santhuenkaew**

**Advisor, EITS, Thailand  
Director of Center for Industrial  
Curriculum Design Innovation  
Eastern Institute of Technology  
Suvarnabhumi (EITS), Thailand**



**Dr. Shauli Mukherjee**

**Director - School of Education & Dean -  
Students' Affairs Adamas University  
Kolkata, West Bengal**



**Prof. Dr. Rashid Mehmood**

**Professor of Big Data Systems & Director  
for Research,  
Training and Consultancy,  
King Abdulaziz University, Saudi Arabia**



**Prof. Dr. Abbas Al-Bakry**

**Chancellor  
University of Information Technology  
and Communications  
Iraq**



**Professor Peter McCaffery**

**Consultant in Higher Education, London  
Interim Deputy Vice Chancellor,  
Royal Agricultural University,  
Cirencester**



**Dr. Kamlesh Misra**

**Vice Chancellor  
Rishihood University,  
Sonipat, Haryana, India.**

## SESSION CHAIRS



**Dr. Singam Jayanthu,**  
Professor,  
Mining Engineering Department,  
National Institute of Technology,  
Rourkela, India.



**J. Saranya,**  
Assistant Professor,  
VLAB Department Coordinator,  
Department of ECE,  
Rajalakshmi Engineering college, India



**Dr. Shalini Aggarwal,**  
Associate Professor,  
Finance at Chandigarh University,  
Alumni of IIM Ahmedabad.



**Prof. (Dr.) Mohammad Israr**  
Professor,  
Department of Mechanical Engineering,  
Poornima College of Engineering,  
Rajasthan, India



**Dr. Dayadi. Lakshmaiah**  
Professor,  
Dept. of ECE,  
Sri Indu Institute of Engineering and  
Technology,  
Hyderabad, India



**R. Srivel**  
Associate professor,  
Department of ECE,  
Aurora's Scientific Technological Research  
Academy Hyderabad,  
India.



**Dr. D. Lakshmi**  
Educational Research Officer  
Vishnu Educational Development and  
Innovation Centre (VEDIC)  
Telangana, India



**Prof. Dr. V. Sasirekha**  
Professor,  
Department of Management,  
Sri Sairam Engineering College, India.

## **ORGANIZING COMMITTEE**

---

### **Chief Patron**

Asst.Prof.Dr.Phumphakhawat Phumphonkhochasorn  
Director Institute Innovation Technology Educational and  
Research for Eastern Institute of Technology  
Suvarnabhumi (EITS)

### **Patrons**

Dr.Lampong Klomkul  
Acting Director for Research, Information and Academic  
Services Division, ASEAN Studies Centre, MCU

Dr.Phrapalad Somchai Damnoen, Palisuksa Buddhagosa  
Campus Nakhon Pathom, MCU

### **Conference Coordinator**

Asst.Prof.Dr.Phumphakhawat Phumphonkhochasorn  
Director Institute Innovation Technology Educational and  
Research for Eastern Institute of Technology  
Suvarnabhumi (EITS)

### **Conveners**

Mr. Krishna kaewkumpa  
Head of Training Development, EITS

Ms.Nipapron Ungkanawin  
Head of the Development of National and International  
Writing Training Programs, EITS

Mr. Kritsanapon Mangtham  
Head of International Training Program Development,  
EITS

### **Steering Committee Chair**

Dr. Nawapon Kewsuwun,  
Vice- Director Institute Innovation Technology Educational  
and Research for Eastern Institute of Technology  
Suvarnabhumi (EITS)

### **Steering Committee Members**

Dr. Prumsub wetsukum  
Eastern Institute of Technology Suvarnabhumi (EITS)  
Dr.Suksan Suppasetsee,  
Eastern Institute of Technology Suvarnabhumi (EITS)  
Dr.Prin Khwanriang, EITS



## **International Advisory Committee**

**Assoc. Professor Ts. Dr. Mohd Yusri Mohd Yunus**, Director, Centre for Sustainability of Ecosystem & Earth Resources (ALAM), Universiti Malaysia Pahang, Malaysia.

**Dionito F. Mangao Jr.**, Director, Curriculum and Instruction, Cavite State University Naic Campus  
Naic, Philippines.

**Dr. Hla Myo Tun**, Professor & Head, Department of Electronic Engineering, Yangon Technological University, Yangon, Myanmar.

**Marmelo Villanueva Abante**, President, Holy Face of Jesus Lyceum of San Jose Inc Rizal, Philippines.

**Arvin Roxas De La Cruz**, Professor, CpE Department, Polytechnic University of the Philippines,  
Manila, Philippines.

**Dr. Macario G Gayeta**, Professor, Institutional Researcher, University of the East Caloocan, Caloocan, Philippines.

**Feras Afaneh**, Professor, Department of Physics, Hashemite University, Zarqa, Jordan.

**Julie Grace Kalngan Mi-Ing**, Professor, Department of English, Mountain Province State Polytechnic College Bontoc, Philippines.

**Prof. Dr. Willyanto Anggono**, Professor, Department of Mechanical Engineering, Petra Christian University, Surabaya, Indonesia.

**Assoc. Prof. Ts Dr Juri Bin Saedon**, Senior Lecturer, Department of Mechanical Engineering, Universiti Teknologi MARA, Shah Alam, Malaysia.

**Assoc. Professor Dr. Mohd Izhar A Bakar**, Senior Lecturer, Department of Electrical Engineering, Universiti Kuala Lumpur British Malaysian Institute, Selangor, Malaysia.

**Dr Duratul Ain Tholibon**, Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA, Pahang Branch, Pahang, Malaysia.

**Dr Rosa Lelyana**, Senior Lecturer, Medicine Faculty, Diponegoro University Semarang, Indonesia.

**Dr Umami Naiemah Saraih**, Senior Lecturer, Faculty of Applied Sciences and Humanities, Universiti Malaysia Perlis, Arau, Malaysia.

**Dr. Masyitah Binti Md Nujid**, Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA (UiTM), Cawangan Pulau Pinang, Permatang Pauh, Malaysia.

**Dr. Farahwahida bt Mohd @ Abu Bakar**, Senior Lecturer, Informatics & Analytics Section, Universiti Kuala Lumpur - Malaysian Institute of Information Technology (UniKL MIIT).

### **National Advisory Committee**

**Assoc.Prof. Chonlatee Photong**, Deputy Dean, Administration, Graduate School, Mahasarakham University, Talat, Thailand.

**Associate Professor Dr. Sanya Kenaphoom**, Director, Research and Development Institute Rajabhat Mahasarakham University, Thailand, Talat, Thailand.

**Dr. Niraj Ruangsarn**, Director, MCKUK Language Institute, Mahachulalongkornrajavidyalaya University Khon Kaen Campus, Khon Kaen, Thailand.

**Dr. Tawatchai Tanchaisawat**, Assistant Professor & Head Department of Civil Engineering, Faculty of Engineering, Chiang Mai University, THAILAND.

**Dr. Parames Chutima**, Professor, Department of Industrial Engineering, Chulalongkorn University  
Bangkok, Thailand

**Assoc.Prof.Dr. Wasana Kaewla**, Associate Professor, Faculty of Science and Technology, Surindra Rajabhat University Surin, Thailand.

**Chitapong Wechtaisong**, Assistant Professor, Institute of Engineering, Suranaree University of Technology, Nakhon Ratchasima, Thailand

**Mr. Pronyos Chattarakul**, Assistant Professor, School of Architecture and Design/Head of Center of Innovation for Society, King Mongkut's University of Technology Thonburi, Bangkok, Thailand

**Dr. Thaweesak Chooma**, Lecturer, Academic and Curriculum Division, Mahidol University, Nakhonsawan Campus, Nakhonsawan, Thailand.

**Kumarashwaran Vadevelu**, Lecturer, Faculty of Humanities and Social Sciences, Prince of Songkla University, Hat Yai, Thailand.

**Lawankorn Mookdarsanit (Soimart)** Lecturer, Department of Business Computer, Faculty of Management Science, Chandrakasem Rajabhat University, Bangkok, Thailand.

**Ninusra Mintrasak**, Lecturer, Political Science Program, Yala Rajbhat University, Yala, Thailand

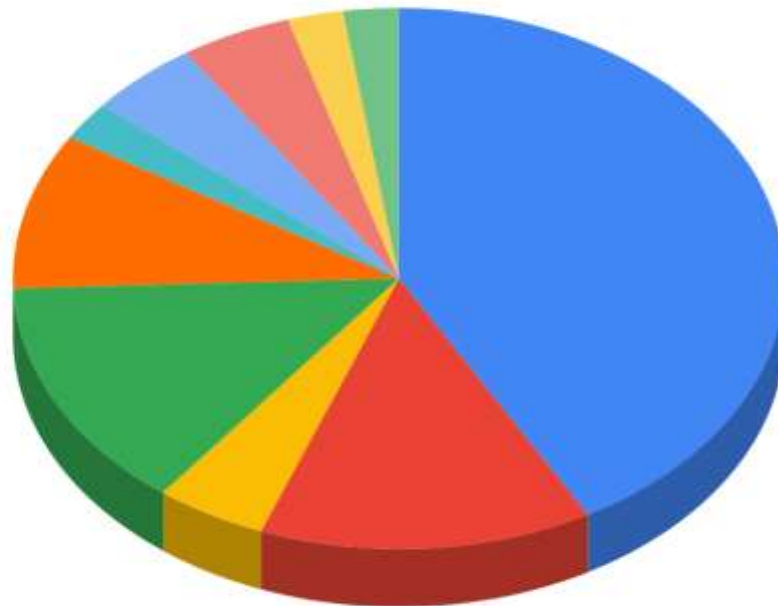
**Pakpoom Mookdarsanit**, Lecturer, Department of Computer Science, Chandrakasem Rajabhat University, Bangkok, Thailand.

**Suopor Hiranchiracheep**, Lecturer, Faculty of Industrial Technology, Nakhon Ratchasima Rajabhat University, Nakhon Ratchasima, Thailand.

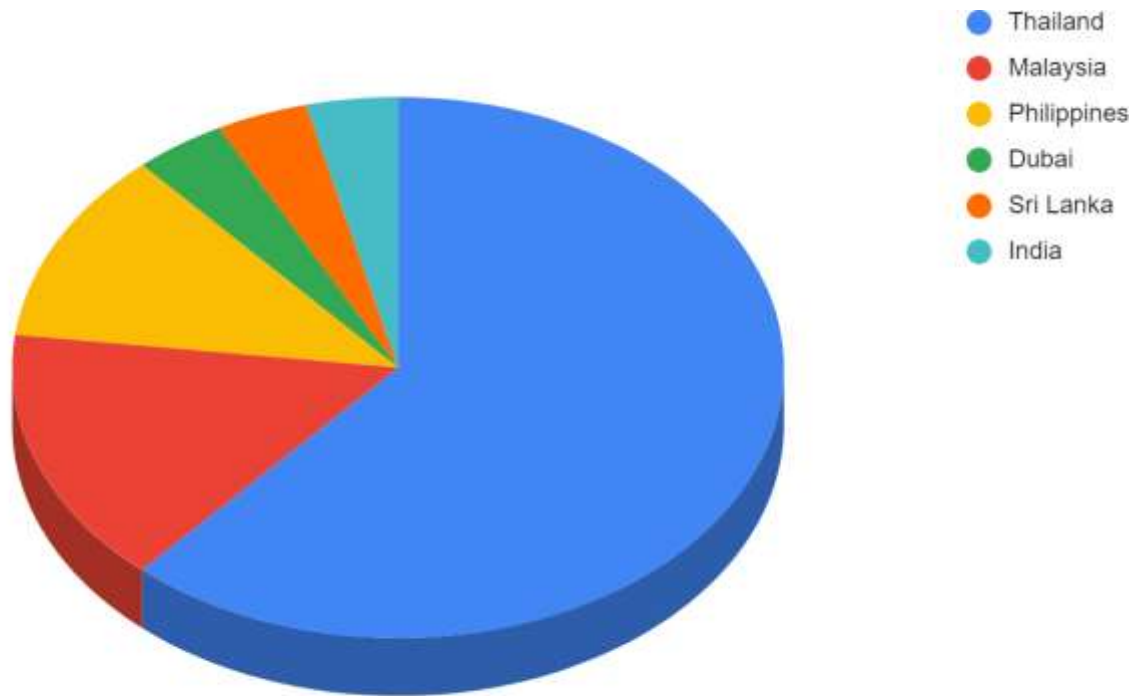
**Surapon Saensouk**, Associate Professor, Walairukhavej Botanical Research Institute, Mahasarakham University, Mahasarakham, Thailand

## PAPERS ACCEPTED BASED ON COUNTRIES

- Thailand
- Malaysia
- Indonesia
- Philippines
- India
- Dubai
- Sri Lanka
- Vietnam
- Pakistan
- Algeria



## **PAPERS REGISTERED FROM COUNTRIES**



### **Delegates:**

No. of Papers Accepted: 200+

No. of Registered participants: 130+

No. of Keynote Speaker: 6

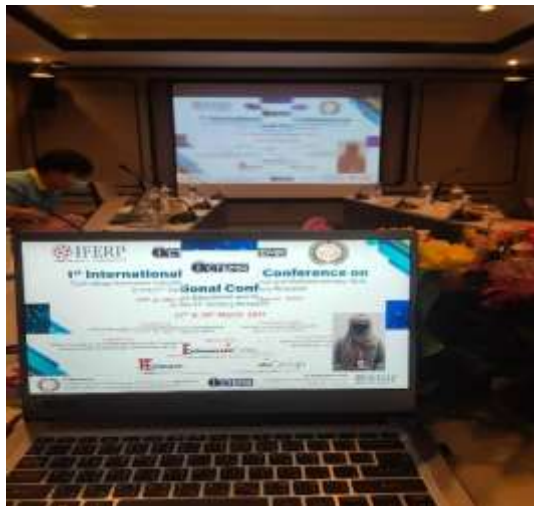
No. of Session chair: 8

### **Conference YouTube Link**

**Day 1:** <https://youtu.be/PXhtgerR1c8>

**Day 2:** <https://youtu.be/u9zQ877n-fY>

## Conference Gallery





**ICTEMR Poster**

### 1<sup>st</sup> International Conference on Technology Innovative Educational and Multidisciplinary Skills in the 21<sup>st</sup> Century Research - 2021

27<sup>th</sup> - 28<sup>th</sup> March 2021 | Eastern Institute of Technology Suvarnabhumi, Thailand

**Organized by**  
Institute Innovation Technology Educational and Research Eastern Institute of Technology Suvarnabhumi (ITTE)  
In Association With  
Institute For Engineering Research and Publication (IEREP)

**Conference Venue**  
Eastern Institute of Technology Suvarnabhumi  
201 Moo 1 Bang Phai, Substation Pong, Mueang Nonthaburi District, Nonthaburi, Thailand

**Keynote**  
Conferences focus:  
- Engineering Education  
- Health Education  
- Pharmacy  
- Learning  
- Food Safety  
- Learning Innovation

**Keynote**  
Multidisciplinary:  
- Digital Technology, Industrial Technology Management, Innovation, Education Technology and Business  
- Professional Learning Training  
- Information Systems, Research & Innovation  
- Artificial Intelligence (AI) / Robotics

**Integration of Science and Technology**  
- Smart Engineering  
- Architecture and Design  
- Industry engineering  
- Chemical and Materials  
- Clinical and Biotechnology  
- Linguistics and Education

**Multidisciplinary**  
- Business Studies  
- Business Psychology  
- Business Development  
- Project Risk  
- Project Quality

**Media Partners**  
- ResearchGate  
- Crossref  
- Scopus  
- Elsevier  
- Publons  
- Publons  
- Publons

**Scopus**  
The Accepted Papers will be Published in Scopus Indexed Journal

**IMPORTANT DATES (DEADLINE)**

Earlybird Registration	18 <sup>th</sup> February 2021
Abstract Submission	08 <sup>th</sup> March 2021
Full Paper Submission	12 <sup>th</sup> March 2021
Registration Deadline	10 <sup>th</sup> March 2021

**Keep in Touch**  
**+91 80159 99748**  
= info@ictemr.com | www.ictemr.com

A Unit of **Technoarete Group**  
Integrating Researchers for Incubate Innovation

**About Conference**  
1<sup>st</sup> International Conference on Technology Innovative Educational and Multidisciplinary Skills in the 21<sup>st</sup> Century Research (ICTEMR-2021), which is scheduled to take place on the 27<sup>th</sup> & 28<sup>th</sup> of March, 2021 is to be held in Institute Innovation Technology Educational and Research Eastern Institute of Technology Suvarnabhumi (ITTE), in association with IERP will focus on establishing the best for effective lower institutions with engineering, applied sciences, technology, and management. The international conference has been specifically designed with the intention of addressing outstanding concerns and challenges in the engineering sector. It intends to bring collectively researchers, scientists, technicians and scholars in all fields of the applied sciences: engineering, technology and management, for the privilege of original research contributions, new approaches, and interdisciplinary practices that yield real results.

ICTEMR-2021 will be offered the multiple chances to interact with leading experts from their respective fields, taking the opportunity to share complete experience in a casual and flexible manner along an efficient conference.

**Chief Patron / Conference Co-ordinator :**  
**Conference Chair :**  
Asst. Prof. Dr. Phumjittawatt  
Phumjittawatt  
Director, ITTE

**Patron :**  
Dr. Lampong Kienkel  
SOMM Studies Center, MUE

**Steering Committee Members :**  
Dr. Pramod Watekulkarni, ITTE  
Dr. Sankar Sanyal, IERP, IIT  
Dr. Priti Khosla, IERP

**Co-Chair :**  
Dr. Nishida Kanakakubo  
Head of Training Development, ITTE  
Dr. Wipassan Ungkharasin  
Head of the Development of Material and International Writing Training Program ITTE

**Co-Chair :**  
Dr. Nithee-apsa Bangkham  
Head of International Training Program Development, ITTE

**Steering Committee Chair :**  
Dr. Narasimhan Narasimhan  
Vice - Director, IERP

**Our Associates**

