3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025)

Organized by IFERP Academy – Indonesia Society
in association with

Post Conference Report

3rd ICCCE – 2025, Contributed to Following SDGs

Foreword

Dear Participants,

It gives me great pleasure to share with you the outcomes and results of the 3rd ICCCE – 2025, with the theme of " Empowering Education through Digital Innovation: Advancing Sustainable Development Goals " which was held at Jakarta, Indonesia on 27th & 28th February, 2025. More than 300 people attended the event in person, and more than 500 people watched the live stream online. We were able to actively engage and reach out to a wider spectrum of research communities.

Mr. A. Siddth Kumar Chhajer

MD & Founder, IFERP
Technoarete Group

The 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), provided a vibrant platform that brings together scholars, educators, and researchers from a variety of disciplines. It is a hub for exchanging innovative research about Cybernetics, Human Computer Interaction, Systems Engineering, Education, Mathematics, and social science perspectives that foster critical and creative thinking, mainly in the educational research, and fostering multidisciplinary exchanges among experts in computer, cybernetics and education.

We are grateful for the support of many universities and research institutes, whose contributions were vital to the success of this conference. We extend our sincere gratitude and highest respect to the professors who played an important role in the review process, providing valuable feedback and suggestions to authors to improve their work. We also extend our appreciation to the external reviewers for providing additional support in the review process and to the authors for contributing their research results to the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025).

Mr. Siddth Kumar Chhajer

MD & Founder, IFERP

Technoarete Group

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1. Conference Summary

Conference Name	:	**3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025)**
Date	:	**27th & 28th February, 2025**
Venue	:	**Jakarta, Indonesia**
Conference Theme	:	**Empowering Education through Digital Innovation: Advancing Sustainable Development Goals**
Organized By	:	**Alliance of Indonesian Faculty of Economics and Private Business (AFEBSI), Indonesia**
		PT. Mega Mas Abadi Consultant and Training, Indonesia,
		Pramita Indonesia University, Indonesia
		IFERP Academy - Indonesia Society

No. of Organizing Committee Members	:	**43**
No. of Editors/Reviewers	:	**23**
No. of Speakers	:	**20**
No. of Abstracts Received	:	**232**
No. of Participants Registered	:	**182**
No. of Attendees	:	**224**

1.1 Conference Overview

3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) was the place where ideas collided and innovations take the spotlight for the contribution towards achieving Sustainable Development Goals! 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) had long been the meeting place for professionals, educators, researchers, policymakers, and industry professionals looking to network, share ideas, and grow in their respective fields. At this computer, cybernetics and education conference in Jakarta, Indonesia, professionals, academics, researchers, and educators were came together to share their groundbreaking research, and different views, and explore unique ideas from various fields.

Through collaboration, the conference explored intersections between various disciplines and created a dynamic environment to enhance educational discussions and explore diverse studies. This International Conference in Jakarta, Indonesia was a part of shaping the future of global education. They continued to inspire, transform, and shape education together. Their participation was more than just an RSVP; it is an important role in our community dedicated to academic success and positive change.

1.2 Conference Theme

The theme of the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) **"Empowering Education through Digital Innovation: Advancing Sustainable Development Goals"** was to provide a lively space where different academic areas come together. 3rd ICCCE – 2025 stands as a melting pot of ideas, where the boundaries between advances in Computer, Cybernetics and Education disciplines blur, giving rise to innovative solutions that address global challenges. The conference embraces the multidisciplinary nature of educational excellence driving through digital transformation, recognizing that true breakthroughs often occur at the intersections of different fields.

This theme encapsulates the conference's focus on fostering innovation and collaboration across diverse disciplines within Computer, Cybernetics and Education for sustainable societies. It encourages participants to explore and present cutting-edge solutions that contribute to the sustainable development of industries, addressing challenges and advancing knowledge for a better future. The multidisciplinary perspective highlights the interconnectedness of various fields in creating holistic and impactful solutions.

1.3 Objectives & Scope of the Conference

The 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) aims to bring together academics, researchers, industry professionals, and students from diverse fields to explore cutting-edge advancements and trends across Computer, Cybernetics and Education.

Key objectives include:

- **Advancing Interdisciplinary Research** – Facilitate discussions on the integration of computer science, cybernetics, and education to drive innovation and practical applications.

- **Exploring Emerging Technologies** – Examine the latest advancements in artificial intelligence, machine learning, cybersecurity, and automation in education and industry.

- **Enhancing Educational Systems** – Promote research on digital learning environments, smart education systems, and the role of AI in personalized learning.

- **Encouraging Ethical AI and Cybernetics** – Address ethical concerns, regulatory frameworks, and responsible AI deployment in educational and professional settings.

- **Fostering Global Collaboration** – Provide a platform for researchers, academicians, and industry professionals to collaborate on projects and knowledge-sharing initiatives.

- **Bridging the Digital Divide** – Explore strategies to enhance access to technology-driven education and cybernetics applications in underprivileged regions.

- **Industry-Academia Interaction** – Promote partnerships between academic institutions and industries to ensure research findings translate into practical, real-world solutions.

3rd ICCCE – 2025 transcends traditional boundaries, providing a platform for comprehensive exploration across a multitude of disciplines. The conference encompasses a wide scope that includes, but is not limited to:

- Computer Science & Information Technology
- Cybernetics & Automation
- Education & Digital Learning
- Cybersecurity & Ethical AI
- Interdisciplinary Applications
- Human Computer Interaction
- Systems Engineering

2. Guest of Honor, Keynote Speakers, Plenary Keynote Speakers, Session Speakers, Event Speakers, & Session Chairs

Special Guest of honor

Mr. A. Siddth Kumar Chhajer

Managing Director & Founder
Institute for Engineering Research
and Publication (IFERP)
Technoarete Groups

Keynote Speakers

Dr. Suha Khanfar
Executive Office Manager
Shams Al-Iraq for Supply, Import &
Export Co. Ltd
Jordan.

Assoc Prof. Dr. Mohd Zairul (Zack Zairul) MN
Deputy Dean
Universiti Putra Malaysia
Malaysia.

AFM A/Prof. Dr. Ir. Arwin Datumaya Wahyudi Sumari, S.T., M.T., IPU, ASEAN Eng., ACPE, APEC Eng.
Special Staff to the Chief of Staff of the
Air Force, Indonesian Air Force - TNI
Angkatan Udara
Indonesia.

Dr Munadhil Abdul Muqsith
Senior Lecturer and Researcher
Head of the Communication Department
Universitas Pembangunan Nasional Veteran
Jakarta
Indonesia

Harshit Kohli
Sr Technical Account Manager
Amazon Web Services
USA.

Plenary Keynote Speakers

Swati Tyagi
Senior Applied AI/ML
Engineer
USA.

Sai Vishnu Vardhan machapatri
Salesforce Analyst ,
Vernus technologies
USA.

Siddharth Chatwal
Senior Manager - Tech
Strategy
PricewaterhouseCooper
s – Atlanta, GA
USA.

Siranjeevi Srinivasa Raghavan
Cybersecurity System
Engineer
ZF Active safety
USA.

Karthik Hosavaranchi Puttaraju
Business
Transformation Leader
Koch engineered
solutions
USA.

Sanat Talwar
Security Software
engineer
Electronic Arts
USA.

Sita Rama Praveen, Madugula
Technology Leader
Technio Tasks Inc.
USA.

Nihar Malali
Sr Solutions Architect/
Sr Director
National Life Group
USA.

Mr. Chirag Mavani
Cloud / DevOps &
Cybersecurity
Engineer
DXC Technology
USA.

Hirenkumar Mistry
Sr. Linux
Administrator & Cloud
Engineer
Zenosys
USA.

Session Speakers

Assoc Prof. Ts. Dr. Aslina Baharum
School of Engineering and
Technology
Sunway University
Malaysia.

Asst Prof. Dr. Eyman F. A. Elsmany
Head of Computer Engineering
Department
University of Gezira
Malaysia.

Prof Dr SVB Subrahmanyeswara Rao
Department of Mathematics
Ramachandra College of
Engineering
Vatluru, Eluru
India.

Session Chairs

Dr. Rohit Bansal
Adjunct Faculty
Rockford College, Sydney
Australia

Dr. Gunjan Shuklaa
Principal
SICA College, Indore
India

Mrs.S.Sri Lavanya
Assistant Professor,
Department of Computer Science
Malla Reddy Engineering College for
Women Hyderabad , Indi

Prof. Sonal Gulati
Faculty of Management
NDIM India

Prof. Michelle M. Cortez, MIT
Institute of Computer Studies
Bulacan Agricultural State College,
Philippines

DR. POOJA M. BHATT
Assistant Professor
Department of Computer Science
Parul Institute of Engineering and
Technology
India

Dr. MADHURIMADASGUPTA,
HOD, DEPARTMENT OF GENDER STUDIES,
ASHADI WISDOM CAMPUS,
Sri Lanka
&
Post-doctoral fellow,
Abo-Akademi University,
Finland

Dr. Abdul Wahab Samad, S.E., M.M
Director,
PT. Mega Mas Abadi Consultant and Training Jakarta ,
Indonesia

Workshop Speaker

Associate Prof. Dr Nor 'Adha Ab Hamid
Director
Centre of Graduate Studies
Selangor Islamic University
Malaysia

3. Welcoming & Introduction

Welcome to the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), where we gather the brightest minds and the most innovative ideas to inspire, educate, and connect. Before we dive into today's agenda, let's take a moment to appreciate the vibrant atmosphere here at Jakarta, Indonesia. This location has been thoughtfully chosen to provide an inspiring environment for our discussions and networking. The theme of the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) is "Empowering Education through Digital Innovation: Advancing Sustainable Development Goals". Our objective is to explore new technologies in Computer, Cybernetics and Education discussing emerging trends, foster collaboration, etc. Over the next two days, we have a packed schedule with six sessions, one workshops, and twenty keynote presentations from industry leaders and experts. This conference would not be possible without the hard work and dedication of many individuals. We would like to extend a special thank you to our conference managers, and organizing committee members.

4. Welcome Speeches

4.1 Welcome Speech by Special Guest - Mr. A. Siddth Kumar Chhajer

Special Guest of honor

Mr. A. Siddth Kumar Chhajer

Managing Director & Founder
Institute for Engineering Research
and Publication (IFERP)
Technoarete Groups

5. Keynote Speeches

5.1 Speech by Keynote speaker - Dr. Suha Khanfar

Dr. Suha Khanfar
Executive Office Manager
Shams Al-Iraq for Supply, Import &
Export Co. Ltd
Jordan.

5.2 Speech by Keynote speaker – Assoc Prof. Dr. Mohd Zairul (Zack Zairul) MN

Assoc Prof. Dr. Mohd Zairul (Zack Zairul) MN
Deputy Dean
Universiti Putra Malaysia
Malaysia.

5.3 Speech by Keynote speaker – A/Prof. Dr. Ir. Arwin Datumaya Wahyudi Sumari

**AFM A/Prof. Dr. Ir. Arwin Datumaya
Wahyudi Sumari, S.T., M.T., IPU,
ASEAN Eng., ACPE, APEC Eng.**
Special Staff to the Chief of Staff of the
Air Force, Indonesian Air Force - TNI
Angkatan Udara
Indonesia.

5.4 Speech by Keynote speaker – Dr Munadhil Abdul Muqsith

Dr Munadhil Abdul Muqsith
Senior Lecturer and Researcher
Head of the Communication Department
Universitas Pembangunan Nasional Veteran
Jakarta
Indonesia

5.5 Speech by Keynote speaker – Harshit Kohli

Harshit Kohli
Sr Technical Account Manager
Amazon Web Services
USA.

6. Speech by Plenary Speakers

6.1 Speech by Plenary Keynote Speaker Swati Tyagi

Swati Tyagi
Senior Applied AI/ML
Engineer
USA.

6.2 Speech by Plenary Keynote Speaker Siddharth Chatwal

Siddharth Chatwal
Senior Manager - Tech
Strategy
PricewaterhouseCooper
s – Atlanta, GA
USA.

6.3 Speech by Plenary Keynote Speaker Sai Vishnu Vardhan Machapatri

Sai Vishnu Vardhan machapatri
Salesforce Analyst ,
Vernus technologies
USA.

6.4 Speech by Plenary Keynote Speaker Siranjeevi Srinivasa Raghavan

Siranjeevi Srinivasa Raghavan
Cybersecurity System
Engineer
ZF Active safety
USA.

6.5 Speech by Plenary Keynote Speaker Sanat Talwar

Sanat Talwar
Security Software
engineer
Electronic Arts
USA.

6.6 Speech by Plenary Keynote Speaker Karthik Hosavaranchi Puttaraju

Karthik Hosavaranchi
Puttaraju
Business
Transformation Leader
Koch engineered
solutions
USA.

6.7 Speech by Plenary Keynote Speaker Sita Rama Praveen Madugula

Sita Rama Praveen,
Madugula
Technology Leader
Technio Tasks Inc.
USA.

6.8 Speech by Plenary Keynote Speaker Nihar Malali

Nihar Malali
Sr Solutions Architect/
Sr Director
National Life Group
USA.

6.9 Speech by Plenary Keynote Speaker Mr. Chirag Mavani

Mr. Chirag Mavani
Cloud / DevOps &
Cybersecurity
Engineer
DXC Technology
USA.

6.10 Speech by Plenary Keynote Speaker Hirenkumar Mistry

Hirenkumar Mistry
Sr. Linux
Administrator & Cloud
Engineer
Zenosys
USA.

7. Workshop on Sustainability and inclusive research culture

Associate Prof. Dr Nor 'Adha Ab Hamid
Director
Centre of Graduate Studies
Selangor Islamic University
Malaysia

8. Group Photo

9. Inaugural Programme

The inaugural program of the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), Jakarta, Indonesia on 27th & 28th February, 2025 conference sets the tone for the entire event, providing an opportunity to introduce the theme, objectives, and key participants. The inaugural program included inaugural addresses, proceedings release, Momento ceremony & Institutional Membership Benefits etc. The inaugural program was a crucial part of the conference, serving to welcome and engage participants, set the context for discussions, and recognize the contributions of key individuals.

10. Conference Proceedings Book Release

The 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025) Conference proceedings was a comprehensive collection of the papers presented at the 3rd ICCCE – 2025. The Conference Proceedings serve as a valuable record of the research and discussions that occurred during the 3rd ICCCE – 2025 conference, providing insights into current trends, innovations, and the future direction of multidisciplinary research studies, Computer, Cybernetics and Education.

On behalf of the organizing committee of the 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), the conference proceedings was released.

https://www.iferp.in/past-conferences.php

11. Momento Ceremony

The conference speakers, session speakers, & session chairs were awarded with Momentos.

12. Technical Presentation Sessions

12.1 Technical Presentation Session 1 A

12.1.1 Speech by Session Speaker Assoc Prof. Ts. Dr. Aslina Baharum

Assoc Prof. Ts. Dr. Aslina Baharum
School of Engineering and
Technology
Sunway University
Malaysia.

12.1.2 – 12.1.6 Total 6 Scientific Presentations were presented in the Technical Presentation

Session 1 A

12.2 Technical Presentation Session 1 B

12.2.1 Speech by Session Speaker Asst Prof. Dr. Eyman F. A. Elsmany

Asst Prof. Dr. Eyman F. A. Elsmany
Head of Computer Engineering
Department
University of Gezira
Malaysia.

12.2.2 – 12.2.6 Total 6 Scientific Presentations were presented in the Technical Presentation

Session 1 B

13. Technical Presentation Sessions

13.1 Technical Presentation Session 2 A

13.1.1 Speech by Session Speaker Prof Dr SVB Subrahmanyeswara Rao

Prof Dr SVB Subrahmanyeswara Rao
Department of Mathematics
Ramachandra College of Engineering
Vatluru, Eluru
India.

13.1.2 – 13.1.5 Total 5 Scientific Presentations were presented in the Technical Presentation Session 2 A

13.2 Technical Presentation Session 2 B

13.2.1 – 13.2.5 Total 5 Scientific Presentations were presented in the Technical Presentation Session 2 B

14. Technical Presentation Sessions

14.1 Technical Presentation Session 3 A

14.1.1 – 14.1.10 Total 10 Scientific Presentations were presented in the Technical Presentation Session 3 A

14.2 Technical Presentation Session 3 B

14.2.1 – 14.2.10 Total 10 Scientific Presentations were presented in the Technical Presentation Session 3 B

15. Award Ceremony - Best Paper Presentation Awards

Best Paper Presentation Awards

S:NO	Name	Paper Title
1.	**Fabio Ferreira,** Instituto Pedro Nunes Portugal	Study of PVD coatings in combination with smart polymeric additives for enhanced wear resistance and friction reduction
2.	**Ma. Lalaine Nicole L. Resurreccion,** Mapua University Philippines	Characterization and Analysis of Tension Parallel Properties in Bambusa blumeana A Study of Bamboo's Mechanical Strength for Structural Application
3.	**Prince Mert O Nicolas** Nueva Ecija University of Science and Technology Philippines	Development and Assessment of TrAcad: Smart Student Tracking using Simple Boolean and Conditional Algorithm
4.	**Gedion C Ulban Jr** Benguet State University Philippines	Forecasting Water Shortages in Agricultural Irrigation in La Trinidad, Benguet Through Predictive Analysis
5.	**Glena L Caluza** Liceo de Cagayan University Philippines	Enhancing Food Security Innovation Health and Wellness in Adapting to Climate Change A basis for an Intervention Program
6.	**Ellen Flores Mangaoang** University of the Cordilleras Philippines	Analysis of Deep Learning Algorithms for Grape Leaf Disease Detection
7.	**Don Harl Malabanan**University of the Cordilleras Philippines	Adaptive Scheduling Heuristic Priority Linear Regression (ASH-PLR): A Novel CPU Scheduling Algorithm using Predictive Priority Levels
8.	**M Gayathri** Rajalakshmi Engineering College India	Ontology-Guided Exploration for Indian Traditional Medicine Systems
9.	**Anu Thomas** Lok Jagruti Kendra University India	A Machine Learning Approach for Personalized Course Recommendation Systems for Learners
10.	**Yash Kulkarni** SRM Institute of Science and Technology, India	Diabetic Retinopathy Classification using CNN

16. Valedictory Function

16.1 Conference - Conclusion Summary

The 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), held on 27th & 28th February, 2025 at Jakarta, Indonesia organized by Alliance of Indonesian Faculty of Economics and Private Business (AFEBSI), Indonesia, PT. Mega Mas Abadi Consultant and Training Jakarta, Indonesia, Pramita Indonesia University, Indonesia and IFERP Academy - Indonesia Society brought together a diverse group of experts, practitioners, and enthusiasts from various fields. The central theme of the conference was " Empowering Education through Digital Innovation: Advancing Sustainable Development Goals" and it successfully fostered a collaborative environment for sharing knowledge, insights, and advancements to achieve SDGs.

Key Highlights:

The conference commenced with an inspiring Special Guest of Speech by Mr. Siddth Kumar Chhajer, MD & Founder, Technoarete Group, Keynote Speakers highlighted the recent breakthroughs and the potential for future developments in Computer, Cybernetics and Education.

Research Presentations:

Over 182 research papers were presented, covering a wide range of topics. These presentations showcased cutting-edge research and fostered lively discussions.

Networking Opportunities:

The conference facilitated numerous networking events, allowing attendees to connect with peers, potential collaborators, and industry leaders. The virtual and in-person networking sessions were particularly well-received, enhancing professional relationships and sparking new partnerships.

Achievements and Outcomes:

- Several new collaborative initiatives were announced, aiming to address global challenges. These initiatives will leverage the collective expertise and resources of participating organizations.

- Publication of Proceedings including the conference proceedings, including research papers and keynote addresses, will be published. Future Conferences: Plans for the next conference were discussed, with suggestions for topics and formats that could further enhance engagement and impact.

Closing Remarks:

In the closing session, IFERP Academy expressed its gratitude to all the participants, academic partners, sponsors, and organizers. IFERP Academy highlighted the conference's success in achieving its objectives and underscored the importance of continued collaboration and innovation.

Attendees left with a sense of accomplishment and a renewed commitment to advancing in their fields.

The conference concluded on a high note, with participants energized and motivated to apply the insights gained to their respective fields. The event not only celebrated current achievements but also set a forward-looking agenda for future research and development.

17. Vote of Thanks

Dear Researchers, Academicians & Students,

As we draw to the close of this remarkable 3rd International Conference on Computer, Cybernetics and Education (3rd ICCCE-2025), it is our honor and privilege to extend a vote of thanks on behalf of the organizing committee. Today has been a day filled with insights, inspiration, and invaluable networking opportunities, and none of this would have been possible without the collective efforts of many individuals and organizations.

Firstly, we would like to express our deepest gratitude to our esteemed speakers. Your expertise, thoughtful presentations, and engaging discussions have been the highlight of this conference. You have not only enlightened us with new knowledge but have also inspired us to think critically and creatively about the challenges and opportunities in our field.

A special thanks to our dedicated organizing committee and volunteers. Your hard work behind the scenes, meticulous planning, and tireless efforts have ensured that everything ran smoothly. Your passion and dedication are truly commendable, and this event could not have happened without you.

We are also grateful to our attendees. Your active participation, thoughtful questions, and enthusiastic engagement have added great value to this conference. It is your eagerness to learn and share that makes the events like this so rewarding and worthwhile.

We would like to acknowledge the venue staff for their excellent service and hospitality, providing us with a comfortable and conducive environment for our discussions and networking.

Finally, I want to thank everyone who has contributed, in big ways and small, to the success of this conference. Whether you were a speaker, sponsor, attendee, or volunteer, your involvement has been crucial.

As we conclude, let us take with us the knowledge we have gained, the connections we have made, and the inspiration to drive forward in our respective fields. We look forward to seeing you at future conferences and continuing these valuable conversations.

18. Conference Glimpses

19. General Comments & Feedbacks

Overall Comments of the Participants:

- Organizing and Coordination of the conference was excellent and professional.
- Speakers were no doubt enriching.
- Overall, an excellent International Conference.
- Workshop was very interactive
- The introduction of the conference program was so effective that it distracts you from the research topic
- Keynote speakers talks were worth listening.
- Issues were resolved carefully.