



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

www.mits.ac.in



Affiliated to JNTUA, Ananthapuramu & Approved by AIVTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2022 - Band: 251 - 300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

Report on One Week Virtual International FDP Organized by Department of Computer Science & Technology on Research Insights on Recent Revolutions and Evolutions in Information Technology 12-06-2023 to 17-6-2023



Submitted by Mr. P Lakshmiramana, Assistant Professor, Department of Computer Science & Technology

Convenor: Dr. S Padma, Assistant Professor

Co-convenor: Mr. P Lakshmiramana, Assistant Professor

Coordinators: Mr. Junnubabu Noorbasha, Assistant Professor

Mr. Firoze Khan Pathan, Assistant Professor

Mr. Suresh D, Assistant Professor

Total Number of Participants: 99

Mode of Delivery: Online Mode through Microsoft Teams

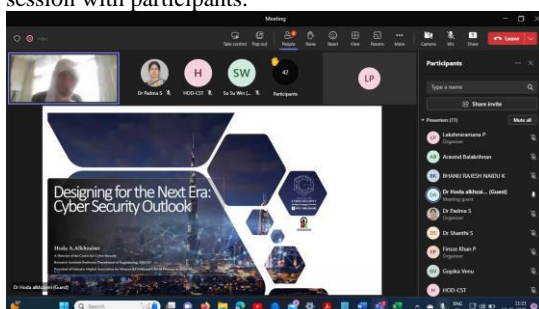
The Programme started at 10 AM with a welcome address by Dr M Sreedevi, Professor and Head of the Department of Computer Science & Engineering, MITS. The presidential address was delivered by Dr P Ramanathan, Vice Principal Academics, MITS. Dr S Padma highlighted the details of the FDP, then Chief Guest of the day Prof. Hoda Alkhzaimi, Director, Center of Cyber Security, NYU Abu Dhabi, was introduced by Mr P Lakshmiramana. Then the session was taken over by the chief guest for the session.

Day 1: 12.06.23 (Monday)

Resource Person: Prof. Hoda Alkhzaimi, Director, Center of Cyber Security, NYU Abu Dhabi

Topic: Designing for Next Era: Cyber Security Outlook

The resource person started the session by extended his thanks to the Management, Principal, HoD, Organizers. She started explaining the importance of Cyber Security and the present-day challenges in securing the systems. Rather than pushing the Security aspects at the last stage of development process, we need start at the very first phase of development process. In this regard, the resource person explained the various techniques and their impact at Design phase. The session ended with a Q&A session with participants.

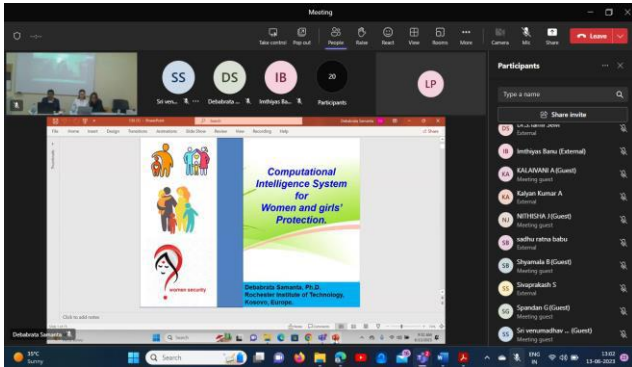


Day 2: 13.06.23 (Tuesday)

Resource Person: Dr. Debabrata Samanta, Assistant Professor, Rochester Institute of Technology, Kosovo, Europe

Topic : Computational Intelligence System for Women and girls protection

Day2 first session was handled by Dr. Debabrata Samanta. Session started by the brief introduction of the Resource person by Dr S Padma and was continued by the Resource Person. He discussed the potential of using advanced technologies such as artificial intelligence and machine learning to develop innovative solutions that can address the challenges faced by women and girls in terms of safety and security. The session highlighted the importance of data-driven approaches, predictive modeling, and real-time monitoring in creating effective systems that can prevent and respond to various forms of violence and harassment. Finally, the session was concluded with an effective Q&A session with the participants.

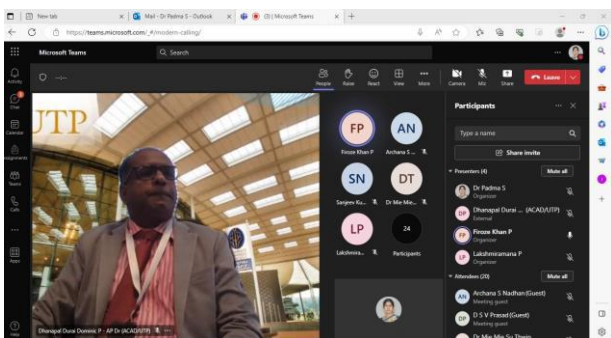


Day 3: 14.06.23 (Wednesday)

Resource Person: Dr.PDD.Dominic, Associate Professor, Department of Computer and Information Sciences, Universiti Teknologi Petronas, Malaysia.

Topic: Role of IT in Business Intelligence.

Day3 session was handled by Dr.PDD.Dominic. Mr Junnubabu Noorbasha introduced him to the participants and the session was continued by the Resource Person. He started the session by explaining what Business Intelligence (BI) is and the relationship between BI and Information Technology. Resource person explored various IT tools and technologies used to collect, analyze, and interpret data to make strategic business decisions. He explained various techniques for enhancing data-driven decision-making skills, understanding data visualization techniques, and leveraging BI for competitive advantage. Finally, the session concluded with an effective Q&A session with the participants.

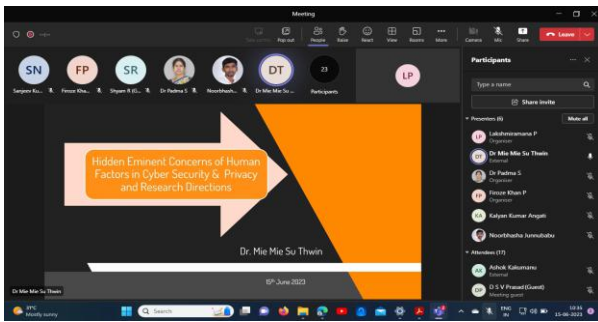


Day 4: 15.06.23 (Thursday)

Resource Person: Prof Mie Mir Su Thwin, Former Professor, University of Computer Studies, Yangaon, Cyber Security SIG Coordinator

Topic : Hidden Eminent Concerns of Human Factors in Cyber Security & Privacy and Research Directions

Mr P Firoze khan started the Day4 session by the brief introduction of the Resource person Prof. Mie Mie Su Thwin. Resource person continued the session by explaining the various ways in which human behavior, cognition, and decision-making influence the effectiveness of security measures and the protection of sensitive information. The session emphasized the need for interdisciplinary research to address these concerns, identifying research directions that can enhance user awareness, improve security education and training, and develop user-centric privacy protection strategies. Overall, the session aimed to raise awareness about the crucial role of human factors in cyber security and privacy and stimulate further research in this important field. Finally, the session concluded with an effective Q&A session with the participants.

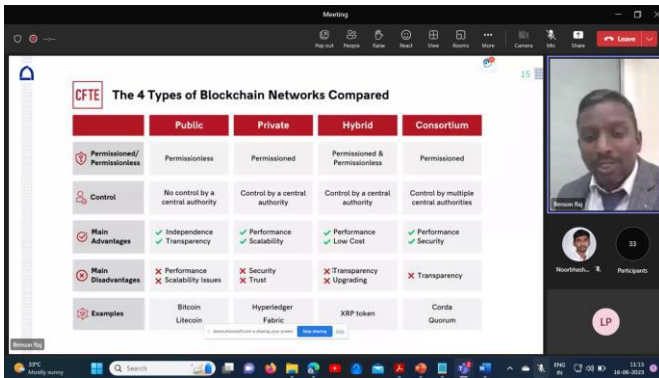


Day 5: 16.06.23 (Friday)

Resource Person: Dr. Benson Raj, Faculty of Computer Information System, Higher Colleges of Technology, Dubai

Topic: Key Research challenges in Block chain

Day5 session was handled by Dr. Benson Raj. Mr D Suresh introduced him to the participants and the session was continued by the Resource Person. He started the session by introducing what is block chain and how much it gives impact in today’s digital world. Dr Benson Raj highlighted the scalability issue, emphasizing the need for developing scalable solutions to handle a large number of transactions without compromising security and decentralization. Privacy and security were also identified as crucial challenges, requiring innovative approaches to protect sensitive data while maintaining the transparency and immutability of the blockchain. Other research challenges included interoperability between different blockchain networks, consensus mechanisms, and energy efficiency. The session aimed to foster collaboration and generate insights into addressing these challenges to drive advancements in blockchain technology. Finally, the session concluded with an effective Q&A session with the participants.



Day 6: 17.06.23 (Friday)

On the last day of the FDP 2Hr online assessment was conducted on the topics covered by the Resource persons from Day 1 to Day 5. All the participants actively participated and scored good marks in the assessment.

Summary of FDP:

Total number of Participants: 99

Foreign participants 11

- USA: 01
- Italy: 01
- Kosovo :03
- Myanmar :05
- Ethiopia: 01

Indian Participants : 88

- Andhra Pradesh: 19
- Karnataka: 11
- Kerala: 07
- Tamilnadu: 22
- Maharashtra: 05
- Telangana: 10
- Uttar Pradesh: 04
- Rajasthan: 03
- Punjab: 03
- Gujarat: 04