KPR Institute of Engineering and Technology
Learn Beyond
(Autonomous, NAAC "A")

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AD001

NBA Accredited
(CSE, ECE, EEE, MECH, CIVIL)

TWO DAYS NATIONAL LEVEL WORKSHOP ON "SECURITY INFORMATICS AND PRIVACY RESEARCH CHALLENGES IN THE DEPLOYMENT OF CYBER PHY

Event No	AD001
Organizing Department	Artificial Intelligence and Data Science
Date	15/03/2024 to 16/03/2024 (2 Days)
Time	09:00 AM to 04:30 AM
Event Type	Workshop
Event Level	NSC
Venue	Veena Hall
Total Participants	39
Industry Personnel	1
Faculty - External	7
Students - External	31

Related SDG

Resource Persons

SI	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Mr Ajinkya Lohakare	CTO & Founder	Ditto Security,Mumbai	ajinkya@gmail.com	xxxxxxxxxx
2	Resource Person	Dr E Arul	Assistant Professor	Department of IT Coimbatore Institute of Technology,Coimbatore	arul.e@cit.edu.in	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Punidha A	Convenor
2	Saranya N	Convenor

Outcome

The Two Days National level Workshop on Security Informatics and Privacy Research Challenges in Deployment of Cyber-Physical Systems (CPS) in Biomedical Applications (CPS-BMA) yielded significant outcomes. Participants delved into the intricacies of securing CPS in healthcare contexts, gaining insights into data privacy, integrity, and ethical considerations. Practical sessions honed their skills in implementing security measures and addressing privacy challenges specific to CPS-BMA scenarios. Networking opportunities fostered valuable connections among participants and experts, paving the way for future collaborations. Increased awareness about robust security and privacy measures in CPS-BMA was a key takeaway, guiding informed decision-making and risk mitigation strategies. The workshop also facilitated discussions on best practices, standards, and future research directions, highlighting the transformative potential of CPS-BMA in healthcare delivery and patient outcomes.

Event Summary

Date: March 15-16, 2024
Venue: Pallavi Hall & Graphics and Vision Laboratory, KPR Institute of Engineering and Technology, Coimbatore**Organizer:** Department of Artificial Intelligence and Data Science**Day 1: March 15, 2024**The workshop commenced with registration at 9:00 am, followed by a traditional Tamil welcome and the KPR Anthem. The Welcome Address introduced the theme of the seminar, focusing on Security Informatics and Privacy Research Challenges in the Deployment of Cyber-Physical Systems (CPS) in Biomedical Applications (CPS-BMA). The event featured distinguished speakers, including Mr. Ajinkya Lohakare, CTO & Founder of Ditto Security, Maharashtra. Sessions on Introduction to Biomedical Cybersecurity, Securing Biomedical Devices and Systems, Building a Culture of Security Awareness, and Securing Cloud-Based Biomedical Data were conducted, providing valuable insights into the challenges and strategies in securing
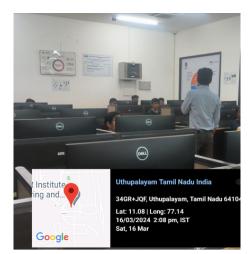
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healthcare technology. **Day 2: March 16, 2024** The second day commenced with a session on Incident Response and Recovery, followed by discussions on The Future of Biomedical Cybersecurity by Mr. Ajinkya Lohakare from Maharashtra, Malaysia. Dr. E. Arul, Assistant Professor at Coimbatore Institute of Technology, delivered a session on Healthcare Robotics and Automation, highlighting the integration of AI and robotics in healthcare settings. The workshop concluded with a Valedictory Address, Certificate Distribution, Vote of Thanks, and the National Anthem.

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