Event Details

Event Name	Workshop
Topic	Two Days Workshop on Mobile App Development AI Powered Cyber Security and Augumented Analytics
Date	2024-01-29 to 2024-01-30
Mode	Offline
Venue	Pulitzer hall, Sun Hall
Organizer Name	Dr. Deepak Sood, Dr. Reena Malik, Dr. Tanvi Jindal
Resource Person	Mr. Harpreet Khattar |Founder at Seculabs Inc.
No. of Participants	203
SDG No	SDG 4: Quality Education SDG 17: Partnership for the Goals

Objective :

- To understand the fundamentals of mobile app architecture, design principles, and development frameworks.
- To gain proficiency in building user-friendly interfaces and implementing key features using appropriate tools and technologies.
- To learn effective strategies for testing, debugging, and deploying mobile applications across different platforms
- To explore techniques for analyzing network traffic, identifying malicious behavior, and responding to security incidents.

Description :

Throughout the workshop, participants had the opportunity to engage in practical exercises, case studies, and group discussions to deepen their understanding of each topic. By the end of the two days, attendees gained valuable insights and skills in mobile app development, AI-powered cybersecurity, and augmented analytics, equipping them to tackle real-world challenges in these rapidly evolving fields. Participants explored how artificial intelligence and machine learning techniques are applied to enhance cybersecurity measures. Topics included were threat detection and prevention, anomaly detection, behavior analysis, and risk assessment using AI algorithms. Hands-on exercises could involve working with cybersecurity tools and datasets to understand how AI can bolster defenses against cyber threats. This workshop covered the techniques for extracting meaningful insights from large datasets, such as data visualization, predictive analytics, and natural language processing. Participants learned about tools and platforms for augmented analytics, as well as best practices for implementing AI-driven data analysis solutions. Day 1 kicks off with Mobile App Development, where participants delve into the core principles and practices of crafting intuitive and feature-rich mobile applications. From mastering development frameworks like React Native and Flutter to exploring advanced topics such as performance optimization and backend integration, attendees will gain invaluable insights and hands-on experience to build their dream apps. Transitioning to Day 2, the focus shifts to the formidable domains of AI-Powered Cybersecurity and Augmented Analytics. Dive deep into the world of artificial intelligence and machine learning, discovering their pivotal role in fortifying digital defenses against cyber threats. Through real-world case studies and interactive simulations, participants will hone their skills in threat detection, anomaly analysis, and proactive risk mitigation. In parallel, Augmented Analytics unveils the transformative potential of AI in deciphering complex datasets, empowering data-driven decision-making like never before. From data preparation techniques to predictive modeling and visualization, attendees will unlock the secrets to extracting actionable insights and driving

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innovation in their organizations .

Outcomes :

- Participants gain practical skills in mobile app development , AI-powered cybersecurity , and augmented analytics , enabling them to create innovative solutions in these domains .
- Attendees acquire a deeper understanding of emerging technologies such as AI and machine learning , and how these technologies can be applied to enhance cybersecurity measures and data analysis capabilities .
- Participants have hands-on experience through interactive sessions , practical exercises .
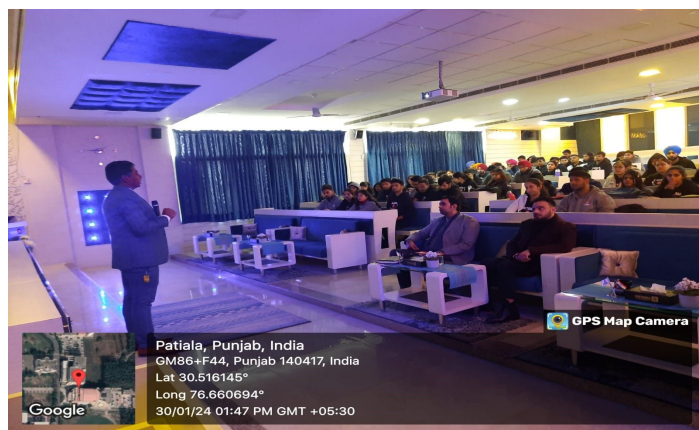

Formal welcome address of Resource person by Dr. Deepak Sood (29.01.24)

Mr. Harpreet Khattar interacting with students Day 1 (29.01.24)

Resource person while answering queries (29.1.24)

Mr. Harpreet interacting with students Day 2 (30.01.24)

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Mr. Harpreet taking student's query (30.01.24)

Successful completion of workshop (30.1.24)