PG Programs

Chitkara Business School

Event Details	
Event Name	Expert Talk
Topic	How IoTs were compromised to bring down the global Internet
Date	2024 - 01- 12 to 2024 - 01- 12
Mode	Offline
Venue	4th Floor - 401
Organizer Name	Department of SCM & General Management
Resource Person	Dr. P.K Khosla | Pro Vice Chancellor - Research
No. of Participants	50
SDG No	SDG 4: Quality Education SDG 7: Affordable and Clean Energy SDG 9: Industry, Innovation and Infrastructure

Objective :

ð·To provide students with real - world exposure to the challenges in logistics and supply chain management .

ð·To update the students about the technological innovations in business , its applications across various industries , and its potential impact on their lives or businesses .

ð·To raise awareness of the potential benefits of IoT for businesses and individuals .

ð·To provide emphasis on the importance of cyber security and usage of internet in business .

Description :

The department of SCM and General Management , Chitkara Business School , Chitkara University organized an expert talk on "How IoTs were compromised to bring down the global Internet " for MBA students of Logistics and Supply Chain Management on 12th Jan, 2024 . Dr. Praveen Kumar Khosla , Pro Vice Chancellor (Research) at Chitkara University , delivered the talk , delving into IoT and cybersecurity's crucial intersection . He explained the importance of cyber security and IOT in business . He elaborated that in the present era the businesses of all sizes face a constant barrage of cyber threats . From data breaches and ransomware attacks to phishing scams and malware infiltration , the potential consequences of inadequate cyber security can be devastating . Also, he stated that the attackers exploited known vulnerabilities in various IoT devices , including weak passwords , outdated firmware , and insecure communication protocols . Moreover , he elaborated that the attackers used a combination of techniques such as botnet attacks , malware injection , and credential stuffing to gain access to a large number of devices . Furthermore , he discussed the economic losses , public safety concerns and data breaches caused by the business . He elaborated that the disruptions caused significant economic losses due to damaged infrastructure , lost productivity , and financial disruptions . The compromised infrastructure posed potential risks to public safety , particularly in the healthcare and transportation sectors and sensitive data was also compromised . The session underscored the importance of understanding Mirai's tactics to fortify cybersecurity against evolving IoT threats , offering a thought - provoking exploration of the tech - security landscape . The students asked queries related to safeguarding the devices from these cybercrimes and the various initiatives taken by the government and they were answered by the expert in a proper manner .

Outcomes :

oThe students learnt about specific applications of IoT in different industries and domains .

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oThe students understood the potential benefits and challenges of integrating IoT and AI into the business.

oThe students gained new ideas and innovative approaches to leveraging IoT technology and enhancing cyber security.

In fifth image, Dr. P.K. Khosla is discussing about the topic "Cyber Security and its Importance". 12.01.2024

In fourth image, the students are listening to the topic "Introduction to Cyber Security" very attentively. 12.01.024

Dr. P.K.. Khosla (PVC – Research), Chitkara University, Punjab discussing the Cyber Crime case study with the class. 12.01.2024

In third image, Dr. P.K.. Khosla is discussing about the topic "Introduction to Mirai". 12.01.2024

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In Second image, Dr. P.K.. Khosla is discussing about how the hackers were able to hack the IoT devices and able to do the Ddos Attack . 12.01.2024

In sixth image, the Dean and faculty members are seen along with Dr. P.K.. Khosla. 12.01.2024