2017

FACULTY DEVELOPMENT PROGRAM

Organized by
Computer Department
MAEER'S M.I.T., Pune

09th – 13th January 2017

A five days Faculty Development Program on " *Multiple Aspects of Security*" was organized by Computer Department of MAEER's M.I.T. Pune from 09 Jan 2017 to 13 Jan 2017. It was technically sponsored by IBM, TRDDC and ISACA Pune, and all resource persons were Industry Experts.

Several faculty members from different colleges were present to attend the workshop, noteworthy mention of faculty from Amravati University and Manipal University Jaipur.

Day 1: 09 Jan 2017, Monday

The program commenced with a welcome speech by Dr. Vrushali Kulkarni (H.O.D Computer Department). Dr. L.K. Kshirsagar addressed the guests and participants of the FDP, and provided useful insights into the changing scenario of Security. Dr. L.K. Kshirsagar felicitated and welcomed all the dignitaries, and also welcomed all the participants for

the FDP. Dr. Sachin Lodha (Principal Scientist, TCS Innovation Labs Pune ,TRDDC) and Mr. Mahesh Paradkar (Sr. Development Manager, IBM Security Systems, IBM India Software Labs - Pune) were invited as Guests. Ms. Kranti Athalye from IBM (Sr. Program Manager, University Relations Employer branding and Technology Evangelism) also graced the occasion.

[Dr. L. K. Kshirsagar, Principal MAEER's M.I.T. Pune addressing FDP participants]

Dr.Sachin Lodha started the FDP with his keynote on "Introduction to Security". He opined that Information Security is the most current research trend one can look into.

Also he gave some glimpses of possible threats on credit /debit cards.

[Dr. Sachin Lodha at the keynote]

His session covered several research opportunities for Post graduate scholars and faculty alike, in the area of Security, which he emphasized, shall stay for coming decades.

Mr. Harshal Tupsamudre (Expert Speaker from TRDDC):

Mr.Harshal Tupsamudre conducted the session on "Cryptography and Password security". He explained techniques for secure communication in the presence of third parties . Mr. Harshal provided a glimpse on the growth of cryptographic technology which has raised a number of legal issues in the information age.

Mr. Hemant Dusane (Expert Speaker from ISACA):

Mr. Hemant Dusane serves as Manager Information Security at Rage Frameworks, and Information Security Consultant at ISACA Pune. He delivered a talk on "Information Security" explaining it as the practice of preventing unauthorized access, use, disclosure, disruption, modification, inspection, recording or destruction of information.

Mr.Mahesh Paradkar (Expert Speaker from IBM):

Mr. Paradkar conducted a session on "Key Management and Certificate Management" providing insight on cryptographic protocol design, key servers, user procedures, and other relevant protocols.

It was a good learning experience for all the participants throughout the day.

[Mr. Mahesh Paradkar delivering the session]

Day 2: 10th Jan 2017, Tuesday

Mr. Rinkesh Bansal (Expert Speaker from IBM):

In his session on "Application Security and top 5 Security vulnerabilities since 2015", Mr. Bansal explained the changing trends in vulnerabilities and also discussed some case studies. The session was interactive and questions from participants were answered.

Mr. Jagannath Patnaik:

Mr. Patnaik spoke on "Security for Digital Devices". He explained that in the digital age, almost every person leaves a footprint on the World Wide Web. With so much data being transmitted on a daily basis, there are those who use the relative anonymity of the internet to maliciously steal valuable and private information, he conveyed. Several important Do's and Don'ts were discussed.

Mr.Mohit Agrawal (Expert Speaker from IBM):

Mr. Mohit Agrawal enlightened the participants on "Ethical Hacking in Software Development". Ethical Hacking, he said, evaluates the security of a network or system's infrastructure. It entails finding and attempting to exploit any vulnerabilities to determine whether unauthorized access or other malicious activities are possible. Mr. Agrawal showed quick live demos of ethical hacking.

[Mr. Mohit Agrawal delivering the session.]

Dr. Sandeep Shukla (Expert Speaker from I.I.T. Kanpur)

This session on " Critical Infrastructure security and IoT Security "was delivered on skype. Dr. Shukla conveyed that Critical Infrastructure security and IoT Security is the area of concern surrounding the protection of systems, networks and assets whose continuous operation is deemed necessary to ensure the security of a given nation, its economy, and the public's health and/or safety. Several case studies were discussed, and the security aspects were emphasized.

Day 3: 11th Jan 2017, Wednesday

Mr. Vinod Pote & Mr. Rahul Nema (Expert Speakers from IBM):

Mr. Pote commenced the day with the 2 hours session on "Cloud Overview & Offering", wherein he emphasized various important aspects of cloud security with real life examples. This session also included a demo of Openstack Overview. It was an interactive session and ended with a Question-Answer session.

Post lunch, Mr. Rahul Nema & Mr. Pote jointly conducted the session on "Real time Cloud Use Case with Demo". They shared their experience of cloud consultation and solution architecture, deployment, and working collaboratively with multiple customers for IBM Cloud Division.

Mr. Pote shared his experience in IT Service Sector especially Product based environment and Service delivery, Hosting Services, Business Control and Compliance.

Day 4: 12th Jan 2017, Thursday

Mr.Boudhayan Chakrabarty & Ms. Stuti Gupta (Expert Speakers from IBM):

Mr. Chakrabarty introduced participants with the knowledge of SIEM and Intrusion Prevention System in his session on "The Next Generation of Cyber Defence - SIEM and IPS". He covered various aspects of IPS and also discussed case studies. The second half of session, was jointly conducted by Ms. Stuti too.

Panel Discussion Session:

[Industry experts during the Panel Discussion]

(L-R) Dr. M.V. Bedekar co-ordinates the session with the panel experts Mr. Shashikant Satbhai, Mr. Mahesh Paradkar, Advocate Vaibhav Solankhe

A special session was scheduled for the participants to have a platform for direct interaction with top-notch industry experts. In line with the theme of our FDP, we invited three eminent guests for the Panel Discussion session - Mr. Shashikant Satbhai (Freelancer with ISACA, expert in Information Security), Mr. Mahesh Paradkar (IBM, with expertise in Cloud Security) Adv.Vaibhav Solankhe (Cyber Security).

It was a fun-filled learning experience for all participants as their different queries were being answered by the concerned expert. This was a wonderful session, that gave the participants a clear picture of the three important aspects of security - Information , Cloud , Cyber .

Mr. Manish Shukla (Expert Speaker from TRDDC):

He made audience aware on "Malware" which is sometimes found embedded in programs supplied officially by companies e.g., downloadable from websites, that appear useful or attractive, but may have, for example, additional hidden tracking functionality that gathers marketing statistics. Mr. Shukla gave useful insights into security and vulnerabilities of system and discussed case studies.

Day 5 : 13th Jan 2017, Saturday

Mr.Sunil Pawar (Senior Police Inspector, Cyber Crime Cell Pune):

In his session on "Cyber Crimes & Real Life Case Studies", Mr. Pawar vividly illustrated different scenarios where innocent citizens could be trapped by fraudsters. Several real life case studies were discussed. Rising crime and the concerned Cyber Laws were discussed too.

 [Mr. Sunil Pawar (Senior Police Inspector) delivering the session]

He showed several interesting videos that illustrated how not to fall prey to fake calls from banks / lottery centers etc. He shared several cases from real life, emphasizing the need to be more and more aware and vigilant while living in the digital age.

Mr. Vijay Bhalerao (ISACA):

In his engaging session on " Certifications and Opportunities in Security domain", Mr. Bhalearo started with the emphasis on Security in multiple domains, and shared the information about various certifications and consequent job opportunities in this domain.

Dinesh Jain and Parag Gokhale (Expert Speakers from IBM):

In their session on "Identity and Access Management(IAM)- from basics to latest trends" , Mr. Jain & Mr. Gokhale emphasized the importance of IAM and told the technical details about how the same is implemented at various levels in the Enterprise. Several case studies and real life situations were used to exemplify the concepts. Also the changing trends and research opportunities were discussed.

Feedback for FDP:

Feedback was collected from participants and speakers for the Faculty Development Program. Summarized feedback analysis is given below:

Overall Participants feedback:

- Sessions were good.
- Overall feedback is good.
- Good facilities are provided.
- Demand to provide more hands on sessions.

Overall Speakers feedback:

- Overall feedback is good.
- Satisfied with the facilities provided.
- Good hospitality
- Sufficient time was provided to conduct and have interactive session.
- Willing to come back again for conducting more sessions.