

Vasavi College of Engineering

Ibrahimbagh – 500031

Department of Computer Science and Engineering

A Report on Two Day National Level Workshop on “Advances in Information Security” (Conducted under TEQIP-II)

The Department of Computer Science and Engineering has organized a two day National Level Workshop on “Advances In Information Security” under TEQIP- II at Vasavi College of Engineering college campus during Aug 2nd -3rd , 2013.

Objectives of the Workshop

- To bring out awareness about the recent trends and advances in Information Security.
- To bring insight into the research opportunities in Information Security.
- To motivate and inspire teaching faculty to take up Information Security as emerging research area.



Dr. T. Adilakshmi, CSE HOD has addressed the participants gathered at seminar hall for 2 day workshop with her gracious welcome speech and has also encouraged them to take the best use of sessions to be delivered by the eminent speakers invited from Industry and Academia. Before concluding her speech HoD has expressed her gratitude to management & principal for their

timely guidance to organize national level program.



Day -1 , Session -1

Dr.Rajiv Wankar ,Professor at University of Hyderabad has delivered an interactive session on “Advances in Grid Security”. Speakers has emphasized more on challenges of grid security, key requirements for secure connections in virtual organization, purpose of Grid Mapfile, algorithm behind Roughset based intelligent PCM for Grid Authorization.



Day-1, Session - 2

Mr. Siddhartha Reddem, Associate principle Quality Engineer, RSA , Bangalore has delivered a session on "**Vulnerabilities in Existing Protocols**". Speakers has narrated reasons for information security becoming worse , the history behind ciphers, with major emphasis on types of vulnerabilities in protocols , possible solutions to avoid them and detailed explanation on secure SDLC.



Day - 2, Session - 1

Dr. V. Ravi , Professor, IDBRT, Hyderabad has presented a very enlightening session on "**Phishing Detection Using Text and Data Mining**". The speaker has discussed the various tools that are available for Text mining. The techniques that are available for text mining such as Multilayer Perceptron, Decision Trees, Support Vector Machine, Probabilistic Neural Network, Group Method of Data Handling(GMDH), Logistic regression, Genetic programming.

Day -1, Session - 3

Mr. Krishna Reddy, Manager, software Quality Engineering, RSA has delivered a talk on "**Intrusion Detection and Forensics**". The Speaker has focused more on four main Components of IDS that are Application Based IDS, Host Based IDS , Network Based IDS, Network node and the different practices that are followed in industry to detect the Intrusion.

Day -1, Session - 4

Mr.Amba Prasad G, Chief Architect, CTS , Hyderabad has delivered a session on "**Mobile Security**". Speaker has narrated the influence of BYOD(Bring Your Own Device) both on office use and on personal use, how Security Problems in Mobile are different from the Security Problems in Desktop Web Application.

Day - 2, Session - 2

Mrs. Lakshmi Eshware , Joint Director, E-Security , C-DAC , Hyderabad has delivered a talk on " **Malware Issues and Secure Coding Methods** " . The speaker has discussed various threats of malware on sensitive data of an individual to an organization and has also narrated the various secure coding methods to the participants.



Day - 2 , Session - 3

Dr. V. Radha , Professor , IDBRT, Hyderabad has delivered a session on "**Automatic Detection of Security Vulnerabilities in software applications Using Static Analysis**". Speaker has discussed static analysis, control flow analysis, research work using eclipse IDE and the types of vulnerabilities such as printf vulnerability and Buffer Overflow vulnerability.

Day - 2 , Session -4

Mr. Sundeep Bhuvanagiri, CA, Hyderabad has delivered a session on "**Cryptographic Engineering**". Speaker has discussed various theorem & algorithms like Primer factorization, Euler's theorem, RSA algorithm and Diffie-Hellman Exchange algorithm and advances in Cryptographic Engineering such as Big Data, Stuxnet etc.



Good number of highly informative videos were played during break time in order to make the sessions fur interesting and fully knowledgeable.



The workshop was closed with a graceful note by Dr. T. Adilakshmi, HOD, CSE by thanking the management, the principal for their timely valuable inputs for organizing the workshop, the speakers for their enlightening sessions, the participants for making the workshop interactive with their continues interest and queries.