RAJARAJESWARI COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE & ENGG.

1. **Name of Event** : Workshop on "Networking Security, Protocols Design and Simulation Softwares" on 25th and 26th Feb, 2016

2. **Duration** : 25 and 26 Feb, 2016(Two days) from 9am to 4pm

3. **Venue** : Aryabhatta Seminar Hall (1st floor) and

   CCP Lab Hands-on Session (3rd floor)

4. **Sponsorship(if Any)** :

5. **Resource Persons details :** Bilal Ahmed, Mohammad Asif, Amith, Abhinav

   LiveWire

   #28, HIG, 2nd floor, NV Arcade, 1st cross, 2nd stage,

   KHB colony, Havanur circle, Basaveshwaranagar,

   Bangalore-560079 Tel: 080-65702005

   e-mail: ka.basaveshwaranagar@caddcentre.com

6. **Topics covered** :

   Day1: Forenoon Session

   - Introduction to Networking and basic concepts

   - Introduction to network Simulators(NS)

   - Working with NS, configuring IP, MAC, Protocols

   - Configuring PCs, Switches & Routers

   - Creating a own private network with WEB server & DNS

   - Importance of switches and routers (CCNA) in modern internet

   Afternoon Session

   - Training on how to use NS for Basic Networking projects.

   - Configuring devices such as PCs, IP address, MAC, Switched and other networking devices

   - Creating a own private network with WEB & DNS server

   Day2: Forenoon Session
   - Introduction to PC operating system

- Difference between GUI & CLI
- Difference between Open source & Closed source
- Configuring servers (IIS , DNS in real time) with client PCs
- Creating a website with www.collegename.com
- Basic HTML & Web Hosting

Afternoon Session

- Introduction to Network Security
- Classification of Hackers
- Phishing Fake web servers, Fake mails and how to identify them
- Modern hacking techniques and counter measures
- Introduction to PC-Virus, Worms, Trojans, Adware's, Spywares, Backdoors etc
- Introduction to Steganography and working with Steganography.

7. **Target audience**   **:**   Students of 4th and 6th semesters
8. **Number of Audience**   **:**   88
9. **Objectives of Event**

- Identify and describe the common types of security threats aimed at computer networks and explain the typical techniques used by hackers and non-authorized users of network data.
- Describe security solutions that can be applied across internal and external networks to lower the risk of security attacks and eliminate exposure to viruses and hacking.
- Identify accepted network administration policies and determine which elements of policies and procedures are necessary to achieve compliance with accepted standards and practices.

10. **Outcome of Event**

- An understanding of professional, ethical, legal, security and social issues and responsibilities.
- An ability to use current techniques, skills and tools necessary for computing practice.
- Plan for and ensure the security, Privacy and integrity of data.

- Students will learn essential IT support skills including installing, configuring, securing, diagnosing and troubleshooting operating systems and hardware.
- Students will learn essential systems administration skills related to web-server, system and network service administration, computer and information security.
- Students will learn the skills and knowledge required to support & secure network environments.
- Students will learn essential web development skills related to current internet technologies and protocols, web authoring and web programming.