Date: 27th Aug. 2014

Day: Wednesday

'ONE DAY WORKSHOP ON COMPUTER NETWORKING BASICS'

No. of participants: 35 (Participants are students of 5TH semester from I.T. AND COMPUTER ENGINEERING at Marwadi Education Foundation Group of Institutions)

Resource Person

Prof. Chirag K. Gohel
Department of Computer

Prof. Navjyotsinh G. Jadeja
Department of Information Technology

Report

The work shop started at 9:00 a.m. in the morning on Wednesday and the speaker was **Mr. Navjyotsinh Jadeja (Asst. prof. MEFGI Rajkot)**

After 2hours it was overtook by **Mr. Chirag Gohel (Asst. prof. MEFGI Rajkot)**

This workshop provided hands-on networking basics, taught by an experienced technical trainer, using a live in-classroom network. Students learned about cabling, network protocols (including a close-up look at TCP/IP), network devices like hubs, switches, routers, firewalls, repeaters, gateways, and more. Students will learn how to create a secure network and avoid common network security mistakes. This hands-on networking fundamentals training workshop had got students up to speed with practical tools and techniques that they can put to use right away to make their network run faster and more securely with fewer problems.

Highlighted Topics of Workshop:

- Networking Basics (1/2Hrs)
  - Introduction
  - Theory
  - Videos / Animation
- Cabling (1 Hrs)
  - Theory
  - Hands on/practical demos
- Module : Networking Gear (1/2 Hrs)

  In this module, you'll examine different types of networking gear. We'll actually bring several different pieces of equipment to the classroom so you can see and touch the different types of equipment. You'll understand the difference between hubs, bridges, switches, and routers and know when to use each one.

  - Network Cards
  - Hubs
  - Bridges and Switches
  - Routers
- IP addressing (1/2Hrs)
- Applications Demos (1Hrs)
  - IP MESSENGER
  - LAN GAMING
  - FILE SHARING
- Security (Introduction) (1/2 Hrs)
  - Firewall (Cyberoam)

Participants attending workshop