

# Vasavi College of Engineering

Ibrahimbagh -31

## Department of Computer Science & Engineering

A Report on Guest lecture on “**Network Security**” conducted on Aug 16<sup>th</sup>, 2013.  
(Conducted under Teqip-II )

A Guest lecture on “**Network Security**” was delivered by Mr. Aravind Uppu, Software development Manager at IVY comptech, Hyderabad for the students audiences of M. Tech (CSE) II Sem on Aug 16<sup>th</sup>,2013.

The objectives of session were

- To convey the importance of security services, security attacks
- How to protect from the attacks and how the payment processing is taking in online.

Mr. Aravind started the lecture with the basics of concept of security and continued with different security services, how to achieve those security services and what algorithms are to be employed for attaining security.

Speaker has explained different security attacks like finding a way into the network, exploiting software bugs, buffer overflows, denial of Service, TCP hijacking and Packet sniffing.

Followed by the discussed about digital certificates, what parameters are present and how we can use those certificates.

Speaker Mr. Aravind has enlightened the students by narrating how the payment processes take place and explained the SHA-1 and AES-256 algorithms which are used for online transactions.



The most interesting part of the session was the demonstration of the creation user accounts, login, new card registration, reset the password and retrieve the passwords when we are unable to login into our account.

The speaker concluded the session with different ways of authentication that were applicable in earlier days to current trends to authenticate the identity and future aspects of authentication mechanisms.