

**Vasavi College Of Engineering**  
Department of computer science & engineering  
**A Report on Guest Lecture on “Security Issues in Wireless Sensor Networks”**

**(Conducted under –Co-curricular Activities)**

A Guest Lecture on **“Security Issues In Wireless Sensor Networks”** was delivered by Dr. Ashok Kumar Das, Asst Professor ,IIIT-H on Aug 18<sup>th</sup> 2012 for the students of M-Tech (CSE) II-sem.

The Speaker initiated the lecture with the overview of wireless sensor networks, and then he discussed the security issues in wireless sensor networks such as identification of compromised node and key distribution in wireless sensor networks.

among the nodes in the network and its limitations were emphasized in detail.



He also discussed Random Key distribution protocol for a wireless sensor network which overcomes the limitations of boot strap protocol.



The speaker has explained how the Compromised nodes plant an attack in the network by manipulating the data packets received from the network and various malicious acts performed so as to paralyze the network.

The speaker has also discussed the various scenarios relating to the transmission of the messages securely between 2 non compromised nodes in the presence of compromised node in the wireless sensor networks.

Key distribution in wireless sensor networks using boot strap protocol and how single key is used to encrypt and decrypt the messages being exchanged

At the end of the lecture he has demonstrated a simulation of key distribution among 10,000 nodes from the Key pool prepared by the base station.

This lecture has proven to be very informative to the students.