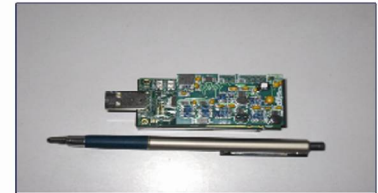


ON - GOING PROJECTS

Enhanced Routing Protocol in Wireless Environment for Mission Critical Applications

Objectives of the project

- ▶ Reliability in mission critical applications like launching of the satellite.
- ▶ Communication mechanism to ensure loss - less communication and less delay.
- ▶ A new architecture for proper communication to overcome interference from other devices.



Securing Wireless IPv6 Networks Against DDoS Attacks

Objectives of the project

- ▶ Detection of the source of the DDoS attack using link signature algorithm.
- ▶ Methods identified for the generation and verification of such unique link signatures.
- ▶ Hashing.
- ▶ Protocol steganography.



Development of a Testbed to Study the Performance of Multimedia Applications in the Current Internet

Objectives of the project

- ▶ Reducing the latency and jitter for multimedia applications.
- ▶ Study of performance of the Internet when large number of multimedia streams from various audio and video applications are sent.
- ▶ Enhancing the performance by the study of the existing scheduler and Active Queue Management algorithms at the router.



COMPLETED PROJECTS

- ▶ Analysis of Active Queue Management Algorithms for Wireless AdHoc Networks.
- ▶ Quality of Service support for wired networks (2007-08).
- ▶ Structural Health Monitoring System
 - AIM: To alert central server in the case of critical events.
 - The base station gets alert when the critical parameter exceeds the threshold.
 - Temperature and pressure are taken as parameters.

STAFF DEVELOPMENT PROGRAM (SDP)

- ▶ AICTE -sponsored SDP (2008-09) on 'Wireless and Mobile Networks'
- ▶ Sanctioned amount: Rs 7.0 lacs.
- ▶ Rs. 3.5 Lacs (first installment) received.
- ▶ Duration: 16.11.2009 to 27.11.2009

MEMBERS

Dr M. Usha, Prof/CSE
Mr D. Balamurugan, Sr. Lect/CSE
Mr. C. Semmalai, Lect/CSE
Mr S. Saravanan, Lect/CSE

