



**Sri Chandrasekharendra Saraswathi Viswa Maha Vidyalaya University**  
**Department of Electronics and Communication Engineering**

SCSVMV/ECE/IRD/IR/086

Date: 09.08.2017

**Sub: Minutes of 31<sup>st</sup> Research Colloquium meeting organized in ECE department on 08/08/17**  
**– Regarding**

1. The Department of ECE organized the “31<sup>st</sup> Research Colloquium” on 08/08/17, in Mini Seminar hall Lab at 03.00 pm.
  
2. Resource person :  

A.Vijayalakshmi  
Associate Professor/ECE,  
Sri Manakula Engineering college, Pondy,  
External Research Scholar (ECE),  
SCSVMV University,  
Kanchipuram.

Research Topic

**COLLABORATING MOBILE AGENTS TO ENHANCE SECURITY AND PERFORMANCE  
IN WIRELESS SENSOR NETWORKS**

Synopsis :

Topic of Research Colloquium is Collaborating Mobile Agents to Enhance Security and Performance in Wireless Sensor Networks. In this presentation, she discussed about Wireless sensor networks have drawn great attention due to its applications and research issues. The most considered issues include security and energy, since nodes are built with limited energy. Administering agent with middleware functionalities help to improve network performance. A mobile agent is a node or program that can move through the network from node to node autonomously performing various tasks. Mobile agents are often implemented as middleware. Middleware is used widely in computing systems to bridge the gap between the operating system and high-level components and to facilitate the development and deployment of applications. In order to extend the functionalities of mobile agents to support security along with network performance improvement data gathering based on trust is imposed over the agents and the same is analyzed for the performance improvement. In Collaborative intelligent mobile agents technique the functions are distributed to reduce the overloading and complexity in processing. The mobile agents with different functions are collaborated to improve the security and performance improvement.

### 3. File Photo of the Colloquium



File Photo: Resource Person Delivering Speech Audience

6. Research Colloquium was organized by A.Rajasekaran, Assistant Professor, ECE department.

A.Rajasekaran  
(Research Colloquium coordinator)

Prof.V.Swaminathan  
(HOD/ECE)

#### Encl:

1. Attendance Sheet.

#### Distribution

Dean (E&T)  
Copy to Guide  
Office File