



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 – 2022 ODD SEMESTER

IEEE STUDENTS BRANCH STB 16621-DECEMBER, 2021

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering and students branch of IEEE jointly organized an internal staff seminar on 30.12.2021 at Smart Classroom (Room No.223).

OBJECTIVE

The objective of this seminar is to understand the performance of cuckoo search algorithms as energy saving mechanism in Wireless Sensor Networks.

SESSION DETAILS

Title: Energy Efficient Routing in WSNs Based on Dynamic Cuckoo Search Algorithm

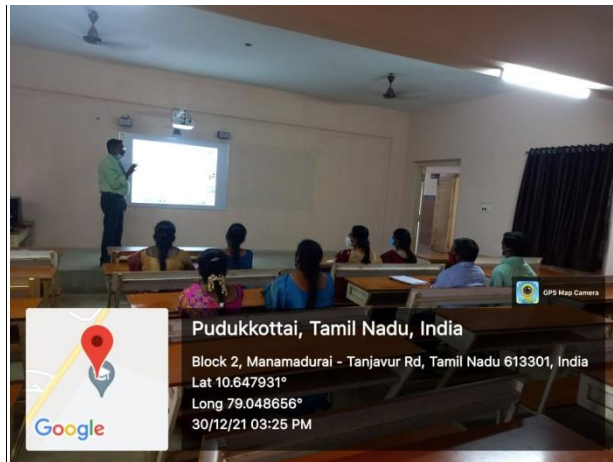
Internal seminar for faculty of Computer Science Engineering department was conducted on 30.12.2021 from 3.15 P.M to 3.45 P.M in Smart Class room. Dr.D.Sivakumar, AP/CSE delivered the lecture on the topic “Trust-aware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo Search optimization algorithm for wireless sensor networks”. He explained how the cuckoo behaved in real time likewise the cluster head will be chosen. The node which has the high energy becomes the cluster head. To choose the node as cluster head, various parameters will be considered.

OUTCOME OF THE EVENT

- Got an idea about Cuckoo Search algorithm
- Understand the basics of WSN
- Assist the students to develop project in this domain
- Acquired knowledge about energy saving mechanism

REFERENCE:

- Trust-aware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo Search optimization algorithm for wireless sensor networks, Nitin Mittal, Simarandeep sign, Urvinder Singh, Rohit Salgotra, Wireless Networks, January 2021, Pg No:151 - 174,



Dr.D.Sivakumar delivered the lecture