



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2023 – 2024 ODD SEMESTER

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering organized an internal staff seminar on 22.8.23 at smart classroom.

OBJECTIVE

The objective of this seminar is to gain insight knowledge about fault tolerance algorithm for Wireless Sensor Networks.

SESSION DETAILS

Internal seminar for faculty of Computer Science Engineering department was conducted on 22.8.23 from 12.30 P.M to 1.15 P.M in Smart Class room. Ms.K.Abinaya explained the concepts of Wireless Sensor Networks (WSN), need of fault tolerance in WSN and discussed various algorithms to achieve the fault tolerance. She described the concept of fault tolerance and optimal relay node with modified particle swarm optimization (FTOR-mod PSO). From the results proved that the proposed method reduces delay to 0.15 s by reducing the routing overhead to 2.4%, thereby improving the network lifetime to 92.714%.

OUTCOME OF THE EVENT

- Got an idea about relay node selection algorithm, modified PSO algorithm
- Understand the importance of those algorithms in WSN domain.
- Motivate the students to do project in this domain
- Faculty members may have a research idea in this domain

Journal Details:

- **FTOR-Mod PSO: A fault tolerance and an optimal relay node selection algorithm for WSN using modified PSO**



Ms.K.Abinaya discussed about the concepts of relay node selection algorithm