

## **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 4.11.23 at smart classroom.

#### **OBJECTIVE**

The objective of this seminar is to gain insight knowledge about load balancing algorithm in cloud computing at the database level.

#### **SESSION DETAILS**

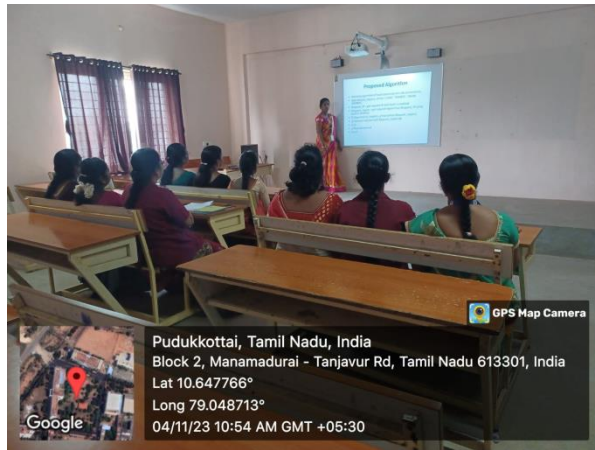
Internal seminar for faculty of Computer Science Engineering department was conducted on 4.11.23 from 10.30 A.M to 11.15 A.M in Smart Class room. Ms.B.Sangeetha explained the concepts of load balancing which helps to distribute all loads (traffic) that come from the client-side. It also ensures that each computing resource is distributed efficiently and fairly for users. She described the four types of load balancer in AWS and its benefits. The proposed load balancing model consists of an automatic scaling listener, application module, migration module monitoring and CPU performance module. The automatic scaling listener is divided into three sub-modules monitor, analyzer, and planner under the knowledge base. The automatic scaling listener module is connected with the Application module and monitoring module. She concluded that automatic scaling listener monitored the network traffic and spread the dynamic load equally across multiple cross-region for better computing load.

#### **OUTCOME OF THE EVENT**

- Got an idea about load balancing in cloud computing
- Motivate the students to do project in this domain
- Faculty members may have a research idea in this domain

**Journal Details:**

**Jaleel Nazir, et.al, "Load Balancing framework for cross region tasks in cloud computing", *Computers, Materials & Continua* DOI:10.32604/cmc.2022.019344**



Ms.B.Sangeetha discussed about load balancing algorithm in Cloud Computing