



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2022 – 2023 ODD SEMESTER

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering and students branch of IEEE jointly organized an internal staff seminar on 20.12.2022 at smart classroom.

OBJECTIVE

The objective of this seminar is to gain insight knowledge about human computer interaction using machine learning techniques

SESSION DETAILS

Title: Human Computer Interaction

Internal seminar for faculty of Computer Science Engineering department was conducted on 20.12.2022 from 12.30 P.M to 1.15 P.M in Smart Class room. Ms. S. Abikayil Aarthi, AP/CSE delivered the lecture on the topic "**Human Computer Interaction**". She compared computer with human and how the era of communication between human with computer created. She explained the hidden markov model's principles which is used to track the human emotions which depends on head gestures. She described about the types of input which is used for analyzing the human gestures which belongs to three inputs. She concluded that the existing inputs may be extended to capture the more emotions from the human.

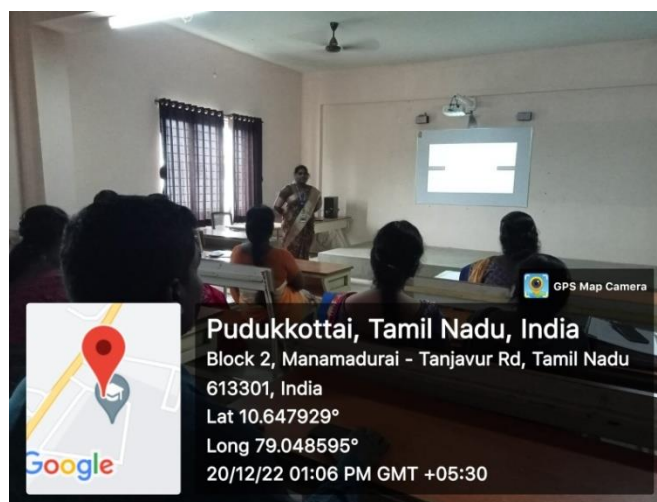
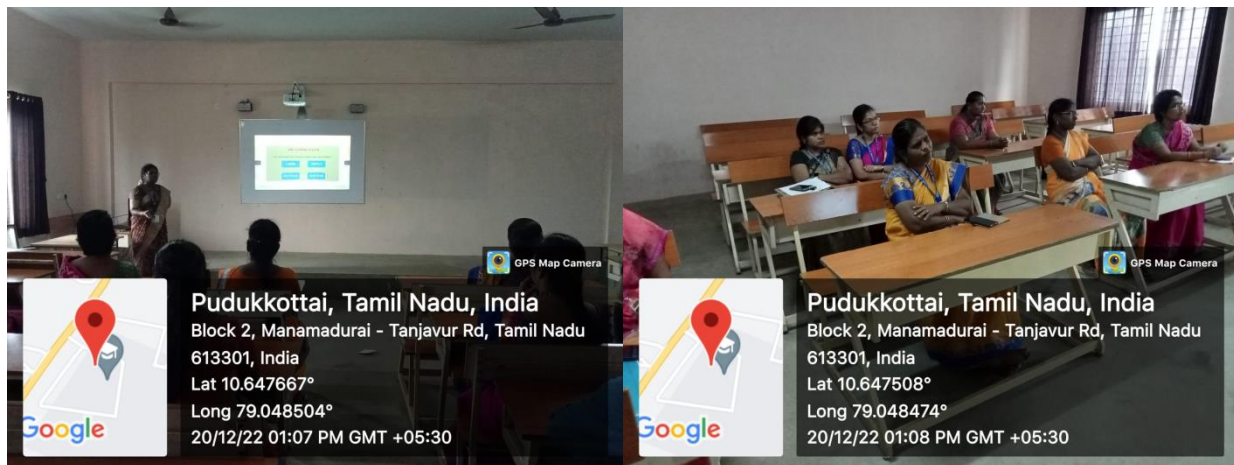
OUTCOME OF THE EVENT

- Got an idea about human computer interaction
- Understand the techniques of machine learning
- Assist the students to develop project in this domain
- Assist the faculty members to do their research in this domain

REFERENCE:

[1]. "3D Hand Gestures Segmentation and Optimized Classification Using Deep Learning", Fawad Salam Khan 1,2, (Member, Ieee), Mohd Norzali Haji Mohd 1 , (Senior Member, Ieee), Dur Muhammad Soomro 1 , Susama Bagchi 1 , (Member, Ieee), And M. Danial Khan, IEEE Access, September 22, 2021,

[2]. "Machine Learning for Single and Complex 3D Head Gestures: Classification in Human-Computer Interaction", Dr. Amina Atiya Dawood, Balasem Alawi Hussain, Webology, Volume 19, Number 1, January, 2022



Internal seminar session snapshot