DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 – 2022 EVEN SEMESTER

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering and students branch of IEEE jointly organized an internal staff seminar on 2.6.2022 at smart classroom.

OBJECTIVE

The objective of this seminar is to gain insight knowledge about the application of AI algorithm in fruit quality classification.

SESSION DETAILS

Title: Implementation of fruit quality classification application using AI Algorithm

Internal seminar for faculty of Computer Science Engineering department was conducted on 2.6.2022 from 12.30 P.M to 1.15 P.M in Smart Class room. Ms.S.Priyadhashini, AP/CSE delivered the lecture on the topic "Implementation of fruit quality classification application using AI Algorithm". She explained the current issues to detect the quality of a fruit. She described an algorithm called "You only look once - (YOLO)-V3" which is used to track the quality of a fruit by tracking the image, size, height and size of a fruit. She concluded the seminar that the authors applied the Tiny - YOLO neural network model to perform object detection and compared several other models in terms of structural performance.

OUTCOME OF THE EVENT

- Got an idea about YOLO-V3 algorithm
- Understand the performance of that algorithm
- Assist the students to develop project in this domain
- Assist the faculty members to do their research in this domain

REFERENCE:

[1] Ming-Chih Chen, Yin-Ting Cheng and Chun - Yu Liu, "Implementation of a Fruit Quality Classification Application Using an AI Algorithm," *Sensors & Materials*, vol. 34, pp. 151 - 163, Nov, 2021.

Internal seminar session snapshot