

## **ATTENDANCE TRACKING FOR RESIDENTS USING DEEP LEARNING**

### **PROJECT CO-ORDINATOR**

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### **PROJECT GUIDE**

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### **ABSTRACT**

Taking attendance has been widely used as a method to track Residents academic behaviours, But conventional approaches are usually time consuming and inaccurate. Residents attendance taking and tracking are important in order to monitor Residents' performance in class. More often than not, Residents' performance is closely related to their attendance. Good attendance usually leads to good performance and vice versa. Therefore, any problems related to Residents' attendance should be identified as early as possible so that appropriate measures can be taken to address them. However, tracking Residents' attendance, especially if done manually, can be tedious and time consuming, especially for classes with large number of Residents. Object discovery, one of the most important and challenging problems in computer computing, seeks to obtain the properties of objects from a large number of categories previously described in natural images. In particular, image classification, aims to see the semantic categories of objects in a given image. Object discovery not only identifies item categories, but also predicts the location of each item with a mandatory box. Semantic separation aims to predict intelligent pixel separation to assign a specific category label to each pixel, thus providing a richer and more comprehensive understanding of the image. In-depth learning strategies have emerged as a powerful strategy for reading presentations directly from the data and have led to significant success in the field of general acquisition. Given this period of rapid evolution, the aim of this project is to provide a comprehensive analysis of the latest achievements in this field brought about by in-depth learning strategies.