

**Department of Computer Science & Engineering**

**IMAGE PROCESSING AND DATA VISUALIZATION USING MATLAB -UE19CS257B**

**Jan-May,2021**

**Project Synopsis**

**TITLE:**

**ATTENDANCE CALCULATOR**

**Domain:**

**OBJECT DETECTION (FACE DETECTION)**

**Abstract:**

**Given any image, it detects all the faces present in the image by drawing a box around the face of every person.**

**Used to calculate the number of people present in a given image.**

**This ATTENDANCE CALCULATOR using MATLAB program helps count number of persons in a meeting hall or classroom at a time . This program logic can be extended to use in Air Conditioning Regulation Systems also , which depends on number of persons in a room to maintain temperature .**

**If we try to count a large number of people in a hall manually , it is a tedious and time consuming task and probably also make a mistake .With the help of this program, you can get the number of people instantly and more accurately using camera and image processing .**

**Team Details:**

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