ATTENDNCE RECORDER USING QR CODE

PYTHON PROJECT

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**TITLE** :-

**ATTENDANCE RECORDER USING QR CODE**

**MEMBERS** :-

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**PROJECT :-**

**#DESCRIPTION :-**

This project deals with the problem of manually taking attendance by automating the process using QR code . The attendance is recorded in a separate Excel file for each day along with the time of entry of all the students.

**#FEATURES IMPLEMENTED :-**

* Real time image processing using webcam.
* Decoding and extracting information from QR code.
* File handling and storage manipulation.

**USE OF THE PROJECT :**

* This project automates the process of taking attendance thus reducing the manual work.
* Detects whether the given person with the QR code is authorised or not.
* Records the attendance in a excel file with the entry time thus saving manual effort automatically.

**LIBRARIES USED :**

* Opencv - For image and video processing
* Openpyxl - for manipulating the excel sheet
* Pyzbar - for decoding and handling QR code operations
* Numpy - for handling array and numbers

**SUGGESTIONS TO BE IMPLEMENTED :**

* Making a GUI (graphic user interface) for the project
* Add image saving feature at the time of recording attendance to prevent the proxies
* Add a feature which gives attendance report of a particular person over a period of time