Minor Project (CS6C06) – 2021-22  
**Project Synopsis**

**Project Title: QR-CODE BASED STUDENT ATTENDANCE SYSTEM**

# Team Details

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| **Sl. No.** | **USN** | **NAME** |
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**Introduction:**

This project aims at maintaining a student attendance register in digital mode, and through the scanning QR codes given to each student in the system.

**Procedure:**

Every student is provided with a card containing a unique QR code ID. Students just have to scan their cards in front of the camera or scanner and the system notes down their attendance as per dates. This register is generated in the form of a text document (.txt) of that particular session.

**Limitations:**

Difficulty in report generating, i.e, they require more calculations and it takes time to generate the report. This system needs a lot of paperwork and loss of even a single day’s register is a disaster, since all papers are needed to generate the reports. The report can’t be generated mid-session, and only can be after the session is closed.

**Our project and its advantages:**

Fast and scam-proof way of maintaining students’ attendances, and easy to implement into action. Will save lots of time which goes in taking the conventional and manual attendance.

**Technologies used in this project:**

Majorly **Python** is used to write the working code, and for the website to be attractive and dynamic we make use of **HTML**(Hyper-Text Markup Language), **CSS**(Cascading Style Sheets), **Bootstrap** and **Java Script**. **SQL** is used for storing, maintaining and keeping records of data provided by the admin on students’ data.