# Saylani Mass IT Training Program

# Web & Mobile App Development Mini Hackathon

**Note:** This project has been assigned to you as your Mini Hackathon task
**SMIT Attendance Application.** You have to complete the given task within the time limit of 12 hours.

**Technologies:** HTML5, CSS3, JavaScript, Firebase, Bootstrap (or any other library)

## SMIT Attendance Application

**Brief Summary:** Students are required to create an attendance portal system for SMIT students. Saylani assigned admin can mark attendance and review it whenever needed.

An admin can do following detailed described tasks:

**What Admin can do?**

- Sign in (As an admin)

- Admin can add class details with following details (CRUD):
    - Class timings
    - Schedule of classes
    - Teacher's name
    - Section name.
    - Course Name
    - Batch Number

- Admin can add the following details of students(CRUD):
    - Name
    - Father Name
    - Roll Number
    - Contact Number

- CNIC number
- Picture.
- Course Name
- Admin will assign a class to every student.

- Now Admin would select the particular course's class for attendance. When Admin selects the class, an ID card UI with placeholders will pop-up with an input bar for roll numbers & when students start entering roll numbers, their data will be shown with their complete details on the card in real time.

- This input bar will also have a drop down with 4 options. Present, Absent, Late or Leave. Default **Present** will be available.

- If any student enters a roll number to mark attendance after 10 minutes of their class start time, it will be marked as **late** automatically, if he tries to change late status from drop down, it will require an admin password.

- If someone marks attendance as **leave** or **absent**, he has to enter an admin password to verify his leave is approved.

- Any student, whose attendance is not marked, will be marked as absent automatically.

- Students' statistics can be reviewed there (previous data of attendance).

- Admin can transfer a student from 1 section to another. You should maintain a history of the student sections. So when the admin will review attendance data or student details, he can see his section history as well.

_____*Best of luck*_____