**SCRUM**

We conducted a Scrum meeting that covered the progress and updates for Sprints 1, 2, and 3.

**Sprint 3:**

1. **Attendance Tracking:**
   * Developed a module to track student attendance using **Python** and **Django**.
   * Implemented features to record daily attendance and generate attendance reports with **PostgreSQL**.
2. **Frontend Integration:**
   * Integrated the attendance tracking module with the frontend interface using **React**.
   * Ensured seamless user experience and functionality across the portal with **Bootstrap** for responsive design.
3. **Alerts and Notifications:**
   * Set up notification alerts for attendance using **Twilio** for SMS and **SendGrid** for email notifications.
   * Configure alerts to notify when attendance falls below the required criteria.
   * Implemented email and SMS notifications for students and administrators.

**Scrum Retrospective**:

1. **Goal:** To develop and integrate a comprehensive Student Management Portal, focusing on key functionalities such as attendance tracking, frontend integration, and notification alerts.
2. **What went well:**

* **Team Collaboration:**

The team worked cohesively, maintaining clear communication and collaboration throughout the sprints.

Regular stand-up meetings helped in identifying and resolving issues promptly.

* **Task Management:**

Tasks were well-defined and prioritized, ensuring smooth progress and timely completion.

Effective use of project management tools like Jira/Trello facilitated tracking and managing tasks efficiently.

1. **Challenges faced:**

* **Time Management:**

Balancing multiple tasks and deadlines was challenging, leading to occasional delays.

Some tasks took longer than anticipated due to unforeseen complexities.

1. **Improvements:**

To include graphs for visualization of the attendance and alert notifications