**Attendance Module**

1. Frequency: Every time dashboard loads
2. No batch scheduler required
3. Static process
4. Overall attendance
5. UID to be taken from login user

**TABLES:**

1. Overall attendance: It will be saved and fetched
2. Current day attendance: 1 theory + 1 lab = 2 (possibility outcome: 0, 1, 2): Prepopulated – to be populated by admin in future

**FLOW:**

Step 1: Onload dashboard

Step 2: Onload dashboard ajax hit

Step 3: Get mapping to fetch attendance

Step 4: Run BL to fetch from current day and set current day to 0 and then add to overall attendance table

* Overall attendance =
* ((Overall + current day attendance)/2 \*no. of days) \*100%

Step 5: Finally get from overall attendance table and display on dashboard in 3 color:

* 0 to 75%: Red color – Critically low
* 76 to 88%: Yellow color – Improvise
* 89 to 100%: Green color – Keep it up

**JAVA FLOW:**

1. DashboardController.java (Get mapping ”/getAttendance”)
2. AttendanceBean (implementing AttendanceService) – All B.L.
3. AttendanceRepository
4. OverallAttendance.java (read and write both), CurrentDayAttendance.java (read only operation)