Software Requirements Specification

Faculty, HOD and Dean

1. Course Coordinator:

Actors:

- **Course Coordinator)**: The primary actor who interacts with the system to manage and oversee the performance and attendance of students across multiple divisions.
- **System**: Supports the faculty in filtering, sorting, and exporting reports, as well as providing personalized feedback.

Use Cases:

1. The faculty shall be able select and view the student performance and attendance of any specific division.
2. The faculty shall be able to filter and sort reports of each division or all division based on criteria such as student name, course, course code or attendance percentage.
3. The faculty shall be able to filter and sort reports of each division based on criteria such as student name, course, course code and performance based on the threshold.
4. The faculty shall be able to select a course faculty and send personalized feedback based on class performance and attendance of students to faculty portal(dashboard).
5. The faculty shall be able to export performance reports of all divisions or any division in multiple formats (e.g., PDF, CSV, Excel).

2. Head of Department (HoD):

Actors:

- **HoD:** The primary actor responsible for overseeing academic performance and attendance at a broader level across semesters, divisions, and courses.
- **System**: The secondary actor that supports the HoD by providing access to reports, data, and sending personalized messages to course faculty.

Use Cases:
1. HoD shall be able to view the overall performance and attendance across semester/division/courses.
2. HoD shall be able to select a specific division (e.g., by year, semester, or division) and view the detailed performance and attendance for the students in that division.
3. HoD shall be able to filter and sort attendance using criteria such as student name, semester, course, and attendance percentage.
4. HoD shall be able to set a performance threshold (e.g., grade limits, pass/fail markers) and filter out students who are not meeting the required academic performance standards.
5. HoD should be able to monitor the course-wise performance and attendance handled by course faculty and send them personalized feedback directly to the faculty portal regarding areas of concern, such as low attendance or poor student performance.
6. HoD should be able to export reports of student performance and attendance for all or selected divisions into multiple formats (e.g., PDF, CSV, Excel).
7. HoD shall be able to select a course faculty and send personalized feedback based on class performance and attendance of students to faculty portal(dashboard).

3. Dean:

Actors:

- **(Dean)**: The primary actor responsible for overseeing multiple departments and reviewing the attendance and performance data for students across different divisions and courses.
- **System**: Supports the Dean in viewing, filtering, sorting, exporting reports, and sending personalized feedback to faculty members.

Use Cases:

1. Dean shall be able to view multiple departments and can view the student attendance of any specific department/semester/division/course.
2. Dean shall select and view the performance of students from any specific department/semester/division/course.
3. Dean shall be able to filter and sort attendance for each department/division or all divisions based on criteria such as student name, course and attendance percentage.
4. Dean shall be able to select a specific department course faculty and send personalized feedback through the faculty portal (dashboard). This feedback would be based on the performance metric and attendance percentage of the students in that faculty's class.
5. Dean can export performance reports of specific department, all divisions or any selected division in various formats (e.g., PDF, CSV, Excel).
6. Dean should be able to select a specific division (e.g., by year, semester, or division) and view the detailed performance and attendance for the students in that department/division.
7. Dean should be able to set a performance threshold (e.g., grade limits, pass/fail markers) and filter out students who are not meeting the required academic performance standards.