

Attendance Report Generation

The Attendance Report Generation feature allows lecturers or administrators to generate student attendance records for a selected class and date range. The lecturer enters their ID and class code, then selects the required date range. The system validates the class code before retrieving and filtering the relevant attendance data. If the attendance records are found, the system generates an attendance report; otherwise, an appropriate message is displayed. This feature helps lecturers to manage student attendance efficiently and reduces manual errors in record-keeping.

PSEUDOCODE

1. START
2. INPUT lecturerID
3. INPUT classCode, dateRange
4. WHILE classCode is NOT valid DO
5. DISPLAY “Invalid Class Code. Please re-enter Class Code and Date Range”
6. INPUT classCode, dateRange
7. END WHILE
8. RETRIEVE attendanceRecords using classCode and dateRange
9. IF attendanceRecords are found THEN
10. GENERATE attendanceReport
11. FOR each student in attendanceRecords DO
12. CALCULATE attendancePercentage = (classesAttended/totalClasses) * 100%
13. IF attendancePercentage >= 80% THEN
14. DISPLAY “Eligible for Final Exam”
15. ELSE
16. DISPLAY “Not Eligible for Final Exam”
17. END IF
18. DISPLAY studentID, subjectName, totalClasses, classAttended, classesLate, classesExcused, attendancePercentage, status
19. END FOR
20. IF export attendanceReport THEN
21. EXPORT attendanceReport to PDF
22. ELSE
23. DISPLAY attendanceReport on screen

```
24.  END IF
25.  ELSE
26.      DISPLAY "No Attendance Records Found"
27.  END IF
28.  END
```

FLOWCHART

