5. 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. DISPLAY "Attendance Report Generation"

3. INPUT lecturerID

4. INPUT classCode

5. INPUT startDate

6. INPUT endDate

7. WHILE classCode is not valid DO

8. DISPLAY "Invalid Class Code"

9. INPUT classCode

10. END WHILE

11. RETRIEVE attendance records using classCode and dateRange based on startDate
    and endDate

12. IF attendance records are found THEN

13. GENERATE attendanceReport

14. DISPLAY attendanceReport

15. ELSE

16. DISPLAY "No Attendance Records Found"

17. END IF

18. END

FLOWCHART