



Capital University of Science & Technology

Term Project Proposal

Department of Electrical and Computer Engineering

Project Title		Employee Attendance Tracker with Basic Analytics
Course Title		Applications of Information and Communication Technologies Lab CPEG-1611
Sr. No.	Student Name	Registration Number
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Idea:

Employee Attendance Tracker with Basic Analytics

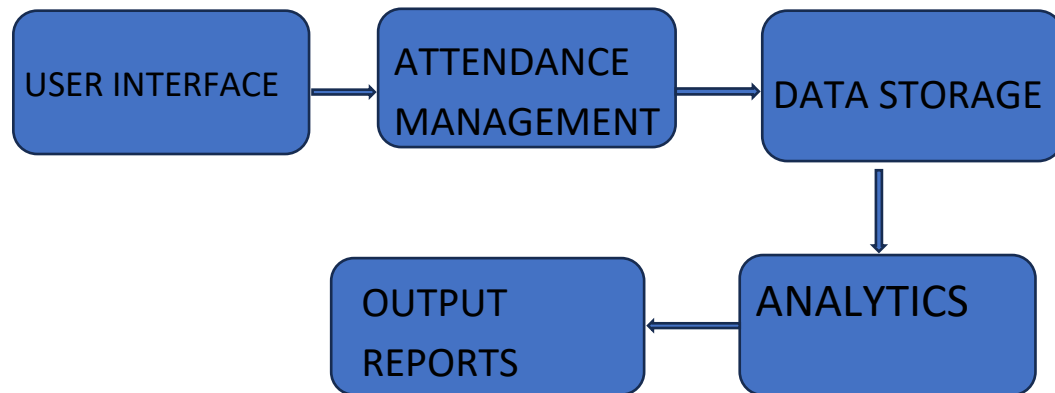
Objectives:

1. **Data Management:** Efficiently record and manage employee attendance.
2. **Data Storage:** Use suitable structures to securely store attendance records.
3. **User Interface:** Develop a user-friendly command-line interface.
4. **Analytics:** Implement basic analytics for attendance trends and summaries.
5. **Reporting:** Generate attendance reports by day, week, or month.
6. **Error Handling:** Handle common errors like duplicates or invalid input.
7. **Scalability:** Allow for future enhancements to the system.
8. **Documentation:** Provide clear documentation for users and code.

Applications:

1. **Workforce Management:** Monitor employee attendance.
2. **Payroll Processing:** Calculate pay based on attendance.
3. **Absenteeism Tracking:** Identify absence patterns.
4. **Performance Evaluation:** Use attendance data for reviews.
5. **Compliance Monitoring:** Ensure adherence to labor laws.
6. **Resource Allocation:** Plan workforce based on attendance trends.
7. **Employee Engagement:** Promote accountability and rewards.
8. **Data Analysis:** Provide insights for future planning.

Block Diagram:



Instructor Remarks

Student 1 Signature: _____

Student 2 Signature: _____

Instructor's Signature: _____ **Date:** _____