A logo of a university

Description automatically generated**COMSATS University Islamabad Sahiwal Campus**

**(Department of Computer Sciences)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Title:** | Programming fundamentals | | | | **Course Code:** | | CSC103 | | **Credit Hours:** | 4(3,1) |
| **Course Instructor:** |  | | | | **Programme Name:** | | | BS (CS) | | |
| **Semester:** |  | **Batch:** |  | **Section:** |  | | | **Date:** |  | |
| **Time Allowed:** |  | | | | **Maximum Marks:** | | | | 50 | |
| **Student’s Name:** |  | | | | **Reg. No.** | CUI/ /SWL | | | | |

**PF Semester Project**

**Instructions:**

* 2-3 group members are allowed.
* Project topic should properly implement the concepts of Programming Fundamentals.
* No late submissions will be accepted.

**Projects:**

1. Student Grades Management System
2. Shopping Cart Billing System
3. Simple Library Book Management
4. Basic Railway Ticket Reservation System
5. Hostel Room Allocation System
6. Event Registration System
7. Employee Attendance Tracker
8. Bank Transaction Simulation
9. Voting System with Candidate Ranking
10. Basic Encryption & Decryption Tool
11. Restaurant Order Management System
12. Inventory Stock Management
13. Simple Weather Data Logger
14. Hospital Patient Record Management
15. Quiz System with Multiple Attempts
16. Bus Seat Booking System
17. Currency Converter (Using Predefined Rates)
18. Simple Budget & Expense Tracker
19. Parking Lot Management System
20. Movie Ticket Booking Simulation
21. Basic Payroll Calculation System
22. Library Late Fee Calculator
23. Hotel Room Booking System
24. Flight Fare Estimation System
25. Basic Data Sorting & Filtering Tool
26. Traffic Light Simulation
27. Canteen Order System
28. Electricity Bill Calculator
29. Train Schedule Management System
30. Car Rental Cost Estimator

**Note:**

You can choose other project or come with your own idea, but it should properly implement’s the concepts.