**Capital University of Science & Technology**

**Term Project Proposal**

Department of Electrical and Computer Engineering

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| **Project Title** | | DAILY STEP TRACKING WITH GOAL MONITORING | |
| **Course Title** | | ICT LAB | |
| **Sr. No.** | **Student Name** | | **Registration Number** |
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| **03.** |  | |  |

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| Idea  The project involves designing a C++ program to track daily steps and monitor progress toward fitness goals. Users can input or simulate their step counts, set personalized daily step goals, and view real-time progress and historical trends. The program will provide motivational feedback to encourage users to meet their fitness objectives.  Objectives  1. Create a system for step count input or simulation.  2. Develop a feature for setting and updating daily step goals.  3. Implement real-time progress tracking with alerts and feedback.  4. Store daily step logs for analysis of long-term progress.  5. Provide motivational messages upon goal achievement or to encourage improvement.  Applications  1. Personal Fitness Tracking: Assists users in maintaining a healthy lifestyle by monitoring physical activity.  2. Wearable Integration: Can serve as the logic for fitness devices or apps.  3. Educational Tool: Demonstrates practical C++ programming concepts such as data handling, UI development, and logic design.  Block Diagram    - |

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| **Instructor Remarks** | **Student 1 Signature: \_\_\_\_\_RASIKH\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Student 2 Signature: \_\_\_\_\_SHARIQ\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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| **Instructor’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |