Week [ **4]** submission

**Project Title: ” Smart City Solutions**”

**Domain:** ”C++”

**Prepared by**

**[ Jahirul Hossain ]**

# Summary of week- [4] progress

**Problem Statement Understood:** YES

**Completed Code Implementation (in percentage)**: 100%

**[Smart City Solutions]**

**In this page Smart City project is a desktop application which is developed in C/C++ platform**. This C/C++ project with tutorial and guide for developing a code.

A smart city is a framework for developing, deploying, and promoting sustainable development techniques to solve growing urbanization problems. The basic goal of a smart city is to use smart technology and data analysis to improve the quality of life by improving city functions and boosting economic growth. It mainly uses information and communication technologies (ICT).

Smart cities use various software, user interfaces, communication networks, and the Internet of Things (IoT). The Internet of Things is the most important of these. The IoT is a network of interconnected devices that communicate and share data. Vehicles, home appliances, and on-street sensors are all examples of this. Data collected from these devices are kept in the cloud or on servers, allowing both public and private sector efficiencies to be improved, resulting in economic advantages and improvements to people's lives.

Edge computing is used by many IoT devices to ensure that only the most relevant and important data is sent through the communication network. A security system is also in place to safeguard, monitor, and regulate data transfer from the smart city network and prevent unauthorized access to the IoT network of the city's data platform.

**Problems Faced:**

Some Problem faced in during development code.