

## Diploma Project Academic Year 2023/2024

**Project code:** 202303

**Project Title (English):**

***Smart Sustainable Cities Future***

**Project Title (Arabic):**

مستقبل المدن الذكية المستدامة

**Project Advisor:**

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**Project Objectives:**

A smart city is a city that uses information and communication technologies (ICT) to increase operational efficiency, share information with the public and improve both the quality of government services and citizen welfare. In the communications segment.

While the exact definition varies, the overarching mission of a smart city is to optimize city functions and drive economic growth while improving quality of life for its citizens using smart technology and data analysis. Value is given to the smart city based on what they choose to do with the technology, not just how much technology they may have.

A sustainable city is one designed to address social, environmental and economic impact through urban planning and city management. Many sustainable initiatives are achieved by building eco-friendly alternatives into city infrastructure, such as adopting walk and bike lanes.

Features of a sustainable city might look like affordable housing, public green spaces, walkable streets, and inclusive access to health care, education, and jobs.

This project focus on how to build Smart Sustainable City by using of modern Technologies like: Internet of Things, Wireless Sensors and its networks, Artificial Intelligence, Cloud Computing, and Bid Data

**Project Outcomes:**

After complete this project, the students will be familiar with:

- Smart Sustainable Cities concepts
- Technologies for Smart Sustainable Cities.
- Smart Sustainable Cities Networking.
- Egyptian Directions to apply Smart Sustainable Cities.
- Design one of Smart Sustainable Cities Solutions suitable for Egyptian Society.