**INFO 5100 Application Engineering and Development Final Project Statement**

**Holistic Approach: Smart City Project**

The objective of this project is to implement a holistic approach towards a smart city that serves its citizen/government. The idea is to build an application to enhance and smoothen the process flow for various tasks involved in maintaining/running a city to provide its citizens with fundamental services especially those related to healthcare. The projects will help in easing out complex procedures for government services, and impart transparency regarding funding in different public sectors.

**Use Cases: -**

1. To enable the citizens to have paperless applications. The citizens can interact with the project to avail government services such as issuance of state id, driving license application and request SSN. The process will follow a hierarchal approach in which each application will be scrutinized by various levels of the department. And decisive actions will be performed based on the validity of application.
2. People can interact with the project to register themselves and upload their vital records.

The user will be provided with a dashboard where he/she will be able to keep track of his/her vitals.

1. This project will also focus on monitoring the health situations of citizens based on the vital information provided by them. Based on this data the government will allocate the appropriate funding to improvise healthcare within the city.
2. It will deal with predicting a healthcare recommendation model based on previously observed records and factors that lead to various diseases. It will check in real-time about a person’s ongoing lifestyle and habits to warn him/her about the future possibilities and recommend useful changes in the current timeline in order to deflect the for-seen medical emergency that may occur based on the timelines of other similar cases.
3. Government will maintain a transparency record of where the funds have been utilized and how they propose to use further grants in healthcare solutions and other departments.

**Expected Ecosystem Objects:**

1. Network: City
2. Enterprise: Government, Department of Public Health and Services, Public Welfare Department, Fedral Department etc.
3. Roles: Government Official, Health Officer, Citizen, Student, Police Official, Mayor

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