PROJECT SCOPE DOCUMENT

Project Goals

* Expectations

The aim of the project is to make the user aware about their life expectancy according to the conditions and environment they are living into. It is expected that people will get motivated and adopt better environment and habits by understanding the factors affecting their life.

* Project Description
* A typical Regression Machine Learning project leverages historical data to predict insights into the future. This problem statement is aimed at predicting Life Expectancy rate of a country given various features.
* Life expectancy is a statistical measure of the average time a human being is expected to live, Life expectancy depends on various factors: Regional variations, Economic Circumstances, Sex Differences, Mental Illnesses, Physical Illnesses, Education, Year of their birth and other demographic factors. This problem statement provides a way to predict average life expectancy of people living in a country when various factors such as year, GDP, education, alcohol intake of people in the country, expenditure on healthcare system and some specific disease related deaths that happened in the country are given.
* Assumptions
* It is assumed that the person is not suffering with any other disease or pandemic other than mentioned in the project. If there is any additional disease through which a person is suffering and it is not present in the project then there can be some errors.
* Referring to some extreme and unknown conditions the result depicted by the project can be varied.

Project Requirements

The project requirements tells us about the various things used to complete the project and have been categorised as follows into three parts :-

* Functional Requirements :
* Dataset (containing the history of life expectancy in different countries influenced by various factors) ]
* Tools for predicting life expectancy
* Technical Requirements:

One must be aware with the following skills:

* Python
* Machine Learning
* IBM Cloud
* IBM Watson
* Software Requirements:
* IDLE Python
* Jupyter Notebook
* IBM Cloud Services
* IBM Watson Tools

Project Deliverables

* Project Documentation
* Project – Life expectancy prediction model

Project Schedule

Start Date : 19/MAY/2020

End Date : 19/JUNE/2020