**Predicting Life Expectancy using Machine Learning**

**Project Summary**

My project is a typical Regression Machine Learning project which leverages historical data to predict insights into the future. This project 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.

**Project Requirements**

The project requires the dataset for the purpose of training the model so that it can predict the Life Expectancy rate of a country. The dataset that we will use is the WHO dataset for life expectancy.

**Functional Requirements**

The project should be able to tell the life expectancy rate of a country.

**Technical Requirements**

The project requires smooth internet connection, IBM cloud account and Python IDE.

**Software Requirements**

IBM Watson, Node-Red, Python 3, WHO dataset in Life Expectancy

**Project Deliverables**

Node-RED integrated Machine Learning Model

**Project Team**

The project is developed by an individual person

**Project Schedule**

Project Started on 19-may-2020 and should be completed by 17-June-2020