**PREDICTING LIFE EXPECTANCY USING MACHINE LEARNING**

Application ID: SPS\_APL\_20200003957 Date: 26/05/2020

**PROJECT SCOPE DOCUMENT**

**1.PROJECT SUMMARY:**

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 illness, education, age and other 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.

**2.PROJECT REQUIREMENTS:**

Project requirements are defined as the features, functions, or tasks that must be completed in order to successfully wrap up a project.

**Functional Requirements:**

Predicting the life expectancy rate of a country

**Technical Requirements:**

Python, IBM Cloud, IBM Watson

Hardware Requirements:

Processor: i3 7th gen or higher

Speed: 2GHz or more

Hard disk space: 10GB or more

Software Requirements:

NumPy, Pandas, matplotlib, sklearn