# **Project Name:** **Predicting Life Expectancy using Machine Learning - SB45648**

# Project Scope Document

# 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 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:

To analyze the insights, the data set is required to build the model. IBM Watson Studio is use to work on Python Jupyter Notebook. Variables are analyze to check the dependencies of on life expectancy. Build a suitable algorithm with best accuracy and predict life expectancy.

## Functional Requirement:

Predicting Life Expectancy rate of a country on the basis of various features.

## Technical Requirements:

Python, IBM Cloud, IBM Watson

## Software Requirements: NA

## Project Deliverables:

Machine Learning Model to predict Life Expectancy rate of country data insights.

## Project Team:

Divyanshi Garg

## Project Schedule:

Assigned on 6 June 2020 and complete it in 1 month i.e. 5 July 2020.

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