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| **PROJECT ID** | **PROJECT TITLE** | **STARTING DATE** |
| SPS\_PRO\_215 | Predicting Life Expectancy using Machine Learning | 19/05/2020 |

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| **LEADER** | **PROJECT OBJECTIVES** |
| EKTA GAMBHIR | Objective of problem statement is aimed at predicting Life Expectancy rate of a country given various features. |

**PROJECT SCOPE DOCUMENT**

**1.** **Project Summary**

A typical Regression **Machine Learning**project leverages historical data to predict insights of future. The problem statement is aimed at predicting Life Expectancy rate of a Country given various features.

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| The project tries to create a model based on data provided by the World Health Organization (WHO) to evaluate the life expectancy for different countries in years. The data offers a timeframe from 2000 to 2015. |

**Life expectancy** is a statistical measure of the average time a human being is expected to live. Life expectancy depends on various factore: Regional variations, Economic Circumstances, Sex Differences, Mental Illness and many other factors. This problem statement provides a way to predict average Life expectancy of people living in a Country when various factors such as GDP, education, alcohol intake of people in the country, expenditure on health care system and some specific disease related deaths that happened in the country are given.

**2. PROJECT REQUIREMENTS**

*2.1****FUNCTIONAL REQUIREMENTS***

     Predicting the life expectancy rate of a country

**2.2 TECHNICAL REQUIREMENTS**

 Python,Machine Learning,IBM Cloud,IBM Watson

**3. PROJECT DELIVERABLES**

* Project documentation
* Create ML prediction Model
* Node-red flow diagram

**4. PROJECT TEAM**

**Project Manager:**Ekta Gambhir (Individual Work)