**PROJECT NAME : PREDICTING LIFE EXPECTANCY USING MACHINE LEARNING**

**PROJECT MANAGER :** Manchala Jhansi Lakshmi **DATE:** 31/05/2020

**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 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.

**2.PROJECT REQUIREMENTS :**

**2.1** **FUNCTIONAL REQUIREMENTS:**

Predicting the life expectancy rate of a country

**2.2 TECHNICAL REQUIREMENTS**

IBM WATSON , IBM Cloud, Python

**2.3 SOFTWARE REQUIREMENTS**

Operating system : Windows

Browser : Google chrome, Firefox

**3. PROJECT DELIVERABLES**

Project scope document

ML model

Node-red flow

Project documentation

**4. PROJECT TEAM**

Project manager : Manchala Jhansi Lakshmi

Individual work

**5.** **PROJECT SCHEDULE**

**MAY 19 - MAY 23**

ProjectPlanning and kick off

**MAY 24 - MAY 28**

Explore IBM cloud platform

**MAY 29 - JUNE 2**

Explore IBM Watson services

**JUNE 3 - JUNE 7**

Introduction to Watson studio

**JUNE 8 - JUNE 12**

Predicting life expectancy with Python

**JUNE 13 - JUNE 17**

Predicting life expectancy without Python