### **PROJECT: Life Expectancy** **Prediction**

* **Kickoff Date**  : 15 May 2020
* **Project Manager** : Diksha Gupta
* **PROJECT SUMMARY:**
* This project aims 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.It depends on various features like regional variations, Economic circumstances, Sex differences, mental illnesses, education etc.
* This project will support in the field of research as well as work as a part of prediction which can aware society.
* **PROJECT REQUIREMENTS:**

This project requires the knowledge of-

* Machine Learning algorithms
* Python
* IBM cloud
* IBM watson Studio
* Node Red Flow
* **FUNCTIONAL REQUIREMENTS:**

* Dataset- the data is considered from a period of 2000 to 2015 for all the countries. Important features like Adult Mortality, Status(Developing or Developed) and some diseases like Polio, HIV/AIDS are also considered.
* Data Preprocessing
* Scoring Endpoint
* IBM cloud credentials
* model Selection
* Feature Engineering
* **TECHNICAL REQUIREMENTS:**

* Data Analysis
* Regression Algorithms
* **SOFTWARE REQUIREMENTS:**
* Python 3.7 or above
* IBM watson studio
* Node red flow
* IBM cloud IDE
* **PROJECT TIMELINE:**
* Week 1-2 : Familiarized with IBM cloud, its services and Node red flow.
* week 3-4 : Build a machine learning model and started working on its UI and test its working.