Project Summary:

This project focuses on life expectancy of a person. In this project, we have to predict life expectancy of a person using machine learning. We have to calculate various factors affecting the life cycle of a person such as exercise routine, daily diet, regular habits, medical history, immunity, regional pollution level, daily travel routine, region in which living, etc. Based on such factors a person's life span can be predicted. For that machine should learn from previous data to predict life span more accurately and it should be continuously improving with each collecting data.

Project Requirements:

- IBM cloud
- IBM watson
- Node red
- Previous data to train the model

Functional Requirements:

- MLP class
- train data function
- test data function
- Node red UI

Technical Requirements:

- IBM watson Jupyter notebook
- Node Red flow editor

Software Requirements:

- Python
- AutoAI
- Node js

Project Deliverables:

This project helps to predict the life expectancy of a person. Due to this, we can many people will be able to know their expected life span and take care of themselves and surroundings to increase their life span and people with better life span can be given as example to increase the quality of living which will result in development of

area and of people.

Project team:

- Ankit Singh

Project Schedule:

- ***Day 1:***
  Set up git hub and slack account(done)
- ***Day 2:***
  Set up IBM cloud account(Done)
  Create Node-Red application(Done)
- ***Day 3-7:***
  Explore IBM watson use cases(Done)
  Explore IBM watson Macine learning with python(Done)
- ***Day 8:***
  Explore AutoAI services(Done)
- ***Day 9:***
  Create Dataset(Done)
  Create services
- ***Day 10:***
  Create watson Studio project
- ***Day 11-12:***
  Configure Watson studio aand create model
  Create ML service
  Create Jupyter notebook
- ***Day 13:***
  Build Node Red Endpoints
- ***Day 14:***
  Build UI for Service using Node Red