

IETE TECH CSE

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SUMMER PROJECT ON **MACHINE LEARNING**

- **TECH STACK**

For this project I will be using PYTHON as the programming language in Jupyter Notebook and for the various Visualization I will be using libraries such as Pandas, Plotly, Cufflinks and etc.

- **IDEA**

In this project I will be collecting data which shows the number of Deaths due to various risk factors such as Unsafe water source, Child stunting, Low physical activity, High systolic blood pressure, Air pollution and many such risky factors for all the different countries (Afghanistan, India, Kenya, South East Asian countries etc) for the last 20 years that is from 1990 to 2020.

With this data I will be analyzing the Health status of all the countries (whether the Health status has improved or deteriorated over the years). This will help us to compare between different countries, know about the countries which is least or worst affected with any risk factor and many such related analysis can be done in both Tabular and Graphical format.

- **METHOD OF IMPLEMENTATION**

Finding pattern from the given observation or getting the required smaller data from the given set of data, it will basically simplify the large collection of data into simplified table which will help us to understand it in a better manner as we will be able to analyze it through graphs and tables.

- **TIMELINE**

Around a month

- **APPLICATION OF THIS PROJECT**

If we can analyze this data we will get to know about the Health status of all the countries and we will also know about all the countries which has death rate due to various risk factors. This will give a better idea to all the countries about their health status (whether the Health status has improved or deteriorated over the years).

- **EXPECTED OUTCOME**

Having a complete idea about the Health Status of different countries over the years and what improvement has taken place in the health sector over the years.
