

## **ABSTRACT(PROJECT-2)**

### **THE BRAIN STROKE PREDICTION (DATA SCIENCE AND ML)**

Stroke is one of the leading causes of the death worldwide these days. About 1/5th of patients with an acute stroke dies within a month of event and at least 1/2 of those who survive are left with physical disability. As we study some stats, we can see that, there are 15 million people worldwide who suffer a stroke each year. According to the World Health Organization (WHO), stroke is the second leading cause of death for people above the age of 60 years, and the fifth leading cause in people aged 15 to 59 years old. Each year, nearly six million people worldwide die from stroke. One in six people worldwide will have a stroke in their lifetime. Every six seconds, stroke kills some. As the study suggests hypertension remained the most common risk factor for Stroke followed by Smoking and diabetes Mellitus and dyslipidemia. Infact Strokes continues to play and pivotal role in killing as many humans getting killed by Aids, Tuberculosis and Malaria combined. So, Brain stroke is a medical emergency and can lead to death or permanent disability. One needs to react fast and need to get emergency medical attention by calling to 1-0-8 or 9-1-1(International). According to the World stroke organization reports of the year 2019 suggests that,

1. Brain Attacks devastates lives around the world.
2. 13.7 M new strokes each year.
3. 80M stroke survivors worldwide.
4. 5.5M death due to stroke each year.
5. 1 in 4 people over age 25 will experience stroke in their lifetime.

So, as a group we came up with an idea of fine tuning the dataset collected form Kaggle datasets and build a predictive model to estimate whether a person is suffering from a brain stroke or not.

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