

Literature Survey:

Prepare below table after reading and analysing IEEE Papers:

Sr. No	Title of Paper	Name of Authors	Published Year	Remarks
1	Stress Detection: A Predictive Analysis	Kathakoli Sengupta	04 October 2021	The research is based on given parameters: 1. Tendency of person to be sad or Scared. 2. Tendency Of Drowsiness 3. Variation in heart rate.
2	Stress detection by means of stress physiological template	Alberto de Santos Sierra, Carmen Sánchez Ávila;	01 December 2019	1. Stress detection Based on Galvanic Skin response and Heart rate 2. Machine learning techniques used are SVM, GMM & Linear discriminant analysis.
3	A Review on Mental Stress Detection Using Wearable Sensors and Machine Learning Techniques	Sanchita Paul, Shruti Gedam	02 June 2021	1. Stress related data is collected using medical wearable sensors such as BP, ACC, ST, GSR 2. Machine learning technique used are Fuzzy logic algorithm, logistic regression, Naïve Bayes, etc

(Remarks: It will include all the points that you understand from the paper. Such as methodology, algorithms, advantages, disadvantages, applications, etc.)

Stress Detection Project using Machine Learning

Project Description:



T. lentBottle

Stress, tension, and misery are undermining the psychological well-being of individuals. Each individual has a justification behind having an unpleasant life. Individuals frequently discuss their thoughts via web-based entertainment stages like on Instagram as posts and stories, and on Reddit through requesting ideas about their life on subreddits. In the beyond couple of years, many substance makers have approached to make content to assist individuals with their psychological wellness. Numerous associations can utilize pressure discovery to find which virtual entertainment clients are focused on to rapidly help them.

Stress discovery is a difficult undertaking, as there are so many words that can be utilized by individuals on their posts that can show regardless of whether an individual is having mental pressure.

The dataset I'm utilizing for this errand contains information presented on subreddits related on emotional wellness. This dataset contains different emotional well-being issues shared by individuals about their life.

People often share their feelings on social media platforms. Many organizations can use stress detection to find which social media users are stressed to help them quickly.

Programming Language Fundamentals:

Python : Basic Fundamentals (Videos are available on dashboard)

- Basic Fundamentals
- Literals
- Data Types
- Operators
- Loops
- Functions
- Import
- Strings
- OOP
- Date and Time

□ RegEx

Access all the videos and try to make basic understanding of Python Code and fundamentals.

Modules:

numpy

pandas

nltk

re

string

matplotlib

sklearn

CountVectorizer

train_test_split

BernoulliNB

Contents related to these modules will be provided on dashboard in pdf / video formats as necessary.

Week 2: Tasks:

- Complete Literature Survey Table
- Watch / Read all the material provided for basic understanding