One Page Report on Project Topic selection

Domain Area	Deep Learning
Title of the project	Deep Learning approach for Stress, Anxiety, Depression Detection by Real Time Facial Expressions using Image Processing.
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Project Title : Deep Learning approach for Stress, Anxiety, Depression Detection by Real Time Facial Expressions using Image Processing.

Objectives

1. To determine Depression, Anxiety, Stress levels by analysing Real Time Facial expressions using Image Processing.

2. To build a low-cost system that provides high accuracy and low prediction time that can be used by health practitioners for assessing and monitoring the severity of Depression, Stress, Anxiety.

3. To evaluate the severity of the three emotional states and use them for a wide range of applications like psychology, personalized health assistance, career counseling, and even diagnoses of physical diseases that have different Stress, Anxiety, or Depression patterns as symptoms.

4. Act as a preventive measure for people who are likely to be get into mental health related issues.

Outcomes

1. A low-cost and low prediction time system that accurately predicts Depression, Anxiety, and Stress Levels from Facial Expressions.
2. Accurate and more precise system which is used in considerations for user interpretability, ethical implications, and collaboration with mental health experts.
3. To aim at publishing a Research Paper.
4. To participate in various Project Competitions or Hackathons.

Prof P. N. Jadhav   Dr A. C. Adamuthe

Project Guide &Project Coordinator   **HOD IT**