

A

Project Report

On

**STRESS DETECTION IN IT PROFESSIONALS BY IMAGE PROCESSING AND
MACHINE LEARNING TECHNIQUES**

Submitted to

Department of
Computer Science and Engineering

By

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled “**STRESS DETECTION IN IT PROFESSIONALS BY IMAGE PROCESSING AND MACHINE LEARNING TECHNIQUES**” is submitted by ALLI KAVYA(206Y1A0503), MADASU RICHITHA(206Y1A0557), KOTHURU TEJASHWINI(206Y1A0550) and CHENNURI SUDEEPTHI(206Y1A0516) to the department of Computer Science and Engineering during academic year 2022-23.

Mrs.S.VISHALI
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ABSTRACT

The main motive of our project is to detect stress in the IT professionals using vivid Machine learning and Image processing techniques. Our system is an upgraded version of the old stress detection systems which excluded the live detection and the personal counseling but this system comprises of live detection and periodic analysis of employees and detecting physical as well as mental stress levels in his/her by providing them with proper remedies for managing stress by providing survey form periodically. Stress detection in IT professional by image processing and machine learning is to monitoring the emotional status of a person who is working in front of a computer for longer duration. The system works when the IT professional will be seat in the front of camera then it will be able to detect the facial expression and run in real-time. A camera is used to capture the near front sight of the employee while he is working in front of the computer.



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