IMPLEMENTATION OF AI BASED FACIAL EXPRESSIONS TRACKER

Introduction to solution

The role of Artificial intelligence has been growing during the recent past in various domains. The rapidly increasing in order to accommodate the demands of virtual well-being.research, we have found that Sri Lankan online education industry is struggli

Team: Global Tribes.

Team members

Following the team members. 1. W.M.C.T Kumara (Chandima Tharindu) 2. M.G.D. Suresh (Dilanga Suresh) 3. W.H.R.J.Weerasinghe (Ravindu Weerasinghe) 4. D.M.C. Madhusankha (Chamila Madhushanka

Members roles and background

- Roles and background of the team members

1. Chandima Tharindu :- Team Lead and developer
2. Dilanga Suresh :- Team member and developer

Contact details

Contact details Chandima Tharindu :- 0714369538 Dilanga Suresh :- 0715289438

Solution Details

Solution description

Our solution will represent all these areas of distress from an AI point of view for identifying the correct mechanism to mitigate the problems rising through digital transformation with the use of a technique called "Facial Recognition of emotions" with help of sophisticated AI technology with the

use of learning algorithms.

Currently we can see some problems in online education system. When conducting online class some student not available in the movement. And They are mood not suitable for the class. And we haven't idea about best time of class.

Suggested solution is to overcome the traditional education system process and enhance the process with the help of AI.

Solution context

Facial recognition of emotions will be the major component in the solution which will be implemented with the help of sophisticated AI technology.

Smart Online Education facial expression tracker will match the student's profile and identify the right person using facial recognition.

This will analyze the video live streaming using emotional tracker and facial expressions.

Finally, will analyze the Live Streaming process and derive suitable Time for the class.

Solution target group

This solution will be help for the online education process. Then teacher can get decision witch time perfect for the conduct the class. And teacher can get what can do the movement.

Solution impact

This system will impact to smart the process of online education. This will manly impact for the online classes.

Solution tweet text

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Solution innovativeness

We used AI/ML for the achieve this goal. There are separated technologies we can used in AI, keras, openCV , kaggle data set.

Solution transferability

This system will impact to smart the process of online education. This will manly impact for the online classes.

Solution sustainability

This system will impact to smart the process of online education. This will manly impact for the online classes.

Solution team work

- Login to the Student portal. And authentication.
- match the student's profile and identify the right person via facial recognition.
- Student Emotion tracker AI model with training algorithm (Data points).
- Outcome and analytics data And best time for the class.