Happiness index for schools

By Unkils

Mayur Asodara

Vishwas Bheda

Akshit Kachhadiya

Ketul Suthar

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TECHACKS

3.0

Problem Statement:

Mental health and well-being are important factors in the overall success and happiness of students, yet many schools struggle to effectively measure and support the emotional well-being of their students. There is a need for a tool that can help schools track and improve the happiness of their students in order to create a more positive school culture and support the overall well-being of the student body.

Solution:

We have to develop an application that calculates the Happiness Index of students and ranks schools accordingly.

The application also provides suggestions to overcome the weaknesses in the school structure.

The rankings would allow new parents to select schools that are suitable for their children and also motivate the schools to do better and improve their ranks.

Abstarct

An app that measures and tracks the happiness index of students in a school could be a useful tool for promoting positive mental health and well-being among students. The app could allow students to rate their happiness on a daily or weekly basis, and track any changes over time. It could also provide students with resources and strategies for improving their happiness, such as mindfulness exercises, positive affirmations, and activities to increase social connection and support. Additionally, the app could be used by school staff and administration to identify trends and patterns in student happiness and take action to address any areas of concern. Overall, this app has the potential to support the emotional well-being of students and create a more positive school culture.

Features:

School Ranking and happiness index

weighted happiness rate of a sample of individuals. Calculated by circulating questionnaires asking people to rate various psychological factors influencing their happiness

Daily Mood Tracking

They help you keep track of your mood, which can be especially useful when you're trying to figure out what's going on with your mental health.

Personalized Suggestions

This feature suggests suggestions to improve the happiness index of the school. It will provide tips for parents, teachers, and other staff members on how they can help their students become happier in school.

Feed for tracking school activities

Students are more engaged and more successful when they have a clear picture of what's going on in their school, a dashboard that shows all of their school activity in one place.

Anonymous discussion forum

No matter what kind of issue you're facing, whether it's bullying or cheating or just general stress, we've got you covered. Just post a message and we'll get back to you with some advice or suggestions

Dynamic Weights

diverse demographic, social, financial, and geographic requirements of the students in different regions to calculate their Happiness Index accordingly and rank the schools against other similar schools in the region.

TechStack

Python

Django

HTML/CSS/JS

Mongodb

Machine learning Algorithms :

Logistic Regression

Support vector machine

Naive Bayes

Libraries and Techniques:

BERT(Bidirectional Encoder Representations from Transformers)

Plotly or Chartjs

SMTP(Simple Mail Transfer Protocol)