

THE PURPOSE OF EDUCATION IS TO REPLACE AN EMPTY MIND WITH AN OPEN ONE.



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INTRODUCTION

Education is intended to prepare students for life in all aspects: physically, intellectually, emotionally and spiritually. It should prepare students to overcome life's challenges with self-confidence and courage, make the appropriate decisions, and broaden their horizons.

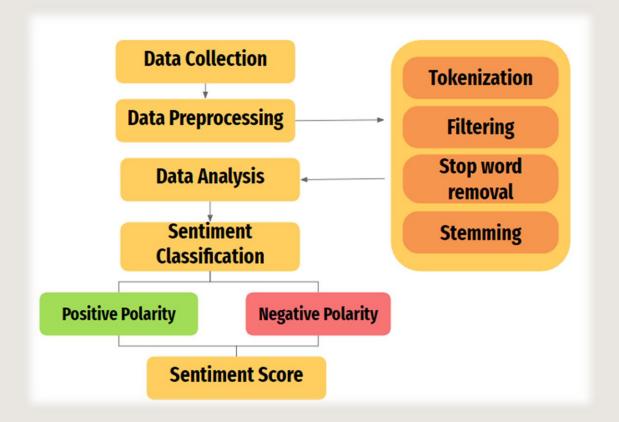
We aim to analyse the Indian education system based on students' sentiments through a survey. We will discuss the different aspects of the education system, including course content, examinations, learning methods, stress and their future



RELATED WORKS

- A STUDY OF INDIA'S FAILING EDUCATION SYSTEM, Ms. Manya Jain Assistant Professor, Delhi School of Professional Studies and Research Affiliated to GGSIP University
- Mujahid, M.; Lee, E.; (2021) Rustam, F.; Washington, P.B.; Ullah, S.; Reshi, A.A.; Ashraf, I. SENTIMENT ANALYSIS AND TOPIC MODELING ON TWEETS ABOUT ONLINE EDUCATION DURING COVID-19. 11, 8438.
- Naveen Kumar Laskari1, Suresh Kumar Sanampudi, (2016). ASPECT-BASED SENTIMENT ANALYSIS SURVEY, March
- INNOVATIVE TEACHING FOR WORLD CLASS LEARNING AND TEACHING STRATEGY; https://www.imperial.ac.uk/media/imperialcollege/about/leadership-and-strategy/vpeducation/public/LearningTeachingStrategy.pdf; last_accessed:07-nov-2022

Methodology





DATACOLLECTION

- Population: Age: 18-28 years
- Sampling technique: Convenience sampling
- Mode: Google forms and personal interviews

Data Pre-processing

- Lowercasing
- Removal of irrelevant content and stopwords
- Tokenisation
- Lemmitisation



METHODOLOGY

DATA ANALYSIS

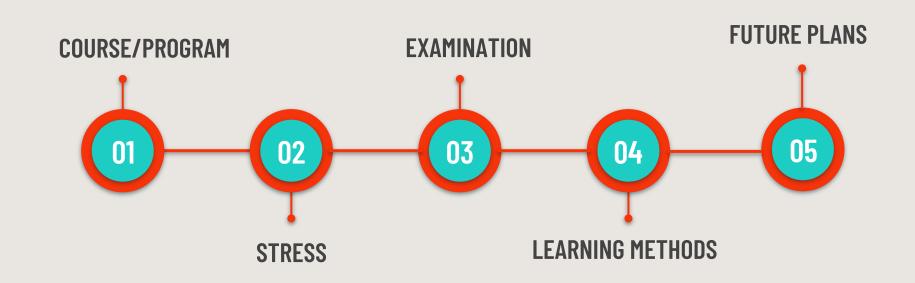
- Visualisation
- TextBlob
- WordCloud
- Vectorisation
- Cosine similarity
- Clustering

SENTIMENT CLASSIFICATION

- Subjectivity
- Polarity
- Sentiment classification



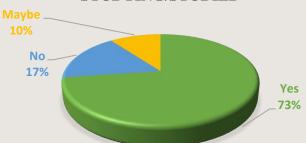
ASPECTS OF THE INDIAN EDUCATION SYSTEM





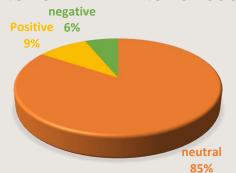
DIE CHART REPRESENTI

PIE CHART REPRESENTING NUMBER OF STUDENTS HAPPY WITH THE COURSE STUDYING/STUDIED

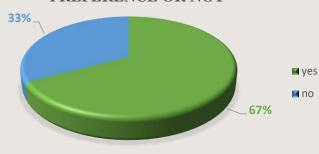


ASPECT 1: Course/ Program





PIE CHART REPRESENTING THE CHOSEN COURSE AS FIRST PREFERENCE OR NOT

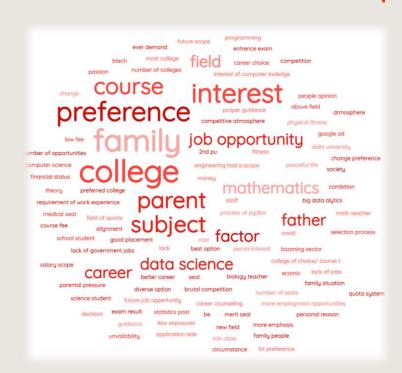




ASPECT 1: Course/ Program

MULTIPLE BAR CHART REPRESENTING PREFERENCE OF COURSE AND SENTIMENT OF THE STUDENTS





WORD CLOUD REPRESENTING THE FACTORS FOR THE CHANGE OF COURSE



Satisfied with their course



- Passion
- Curiosity
- Employment
- Opportunities
- Course structure
- personal interest in the subject.



Not Satisfied With Their Course Choice



- Economic or family circumstances
- Lack of confidence and self-awareness
- Competition.
- Unavailability of seats

REASONS FOR THEIR CHOICES



Dissatisfied with their first choice of the course



- Lack of self-awareness
- Inadequate guidance
- Family conditions
- Economic status
- Quota system
- Personal reasons



Satisfied with their change in choice of course



- Career counselling
- Proper guidance
- Passion for the subject
- Current technology advancements





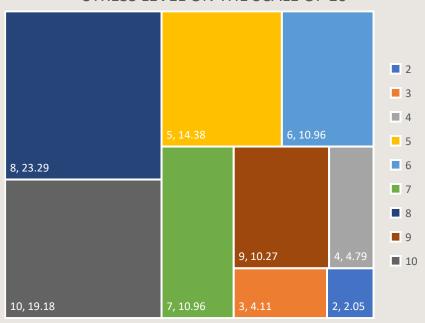
OUR RECOMMENDATIONS

Individualised career Counselling

- To provide individualised career counselling (preferably start from high school).
- ❖ As a result, their interests and passions will be incorporated into their careers, allowing them to reach their full potential.
- This will help expose them to different fields rather than limiting them to mainstream occupations. In turn, this will reduce competition and provide better opportunities for everyone.

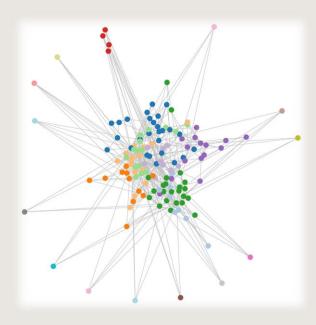
•

TREE CHART REPRESENTING PERCENTAGE OF STRESS LEVEL ON THE SCALE OF 10



52% of the respondents feel a pressure higher than a scale of 8, while 26% feel less stressed (less than 5).

ASPECT 2: Stress



The cluster diagram represents the different clusters of mechanisms that students adopt to cope up with their stress





Word cloud representing the activities to reduce stress

ASPECT 2: Stress



Mechanism to cope stress



- Listening to songs
- Spending time with friends and family
- Meditation
- Hobbies
- Watching movies or series
- Sports
- Self-care





OUR RECOMMENDATIONS

Emphasis on extra-curricular activities

 Schools and colleges provide equal emphasis on extracurricular activities

Encourage therapy sessions in Schools and colleges

- Schools, colleges and families should encourage therapy sessions.
- Spending quality time with family should be a priority.
- Meditation, yoga and exercise are effective ways to have a calm mind and healthy body.



Advocates for wellness, partners in your care

Study Breaks & Stress-Busters

Cornellians are not afraid to roll up their sleeves to work and study hard.

But did you know that taking study breaks can actually help you study smarter?

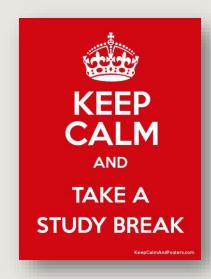
You might be wondering - how can spending less time studying help me get everything done?

Research shows that taking purposeful breaks (anywhere from 5–60 minutes) from studying to refresh your brain and body increases your energy, productivity, and ability to focus.

Keep in mind: **social media doesn't work well as a "purposeful break"** (see the research). Instead, find activities that give your mind a break and allow you to breathe deeply, laugh, move your body, be creative, or "zone out" on purpose. These kinds of activities will help you re-energize and re-focus.

Take purposeful breaks

Taking purposeful breaks from studying can refresh your brain and body increasing energy,productivity, and ability to focus.

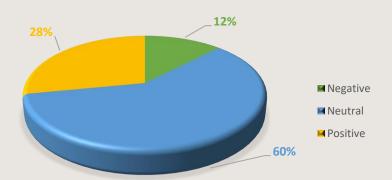


A New Study Says Scrolling Through Social Media Doesn't Actually Give You A Mental Break

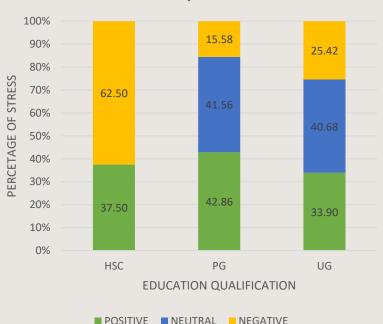


ASPECT 3: Examination Pattern

PIE CHART REPRESENTING THE SENTIMENTAL ANALYSIS OF EXAMINATION PATTERN



PERCENTAGE GRAPH REPRESENTING THE SENTIMENT ON UNIVERSITY ENTRANCE EXAM LEVEL WITH RESPECT TO EDUCATION QUALIFICATION





ASPECT 3: Examination Pattern

```
challenging room base
make view
```



Word cloud representing the perspective of students on the current university examination pattern

ASPECT 4:LEARNING METHODS







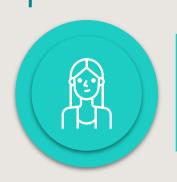






ASPECT 4:LEARNING METHODS





Flipped Learning

The reverse of traditional lectures. The lecture materials are read at home, self-learnt, problems are solved, and doubts are cleared in classrooms

| Learning Methods/Ranks | 1 | 2 | 3 | 4 | 5 |
|---------------------------|-------|-------|-------|-------|-------|
| Flipped | | | | | |
| Classroom | 28.57 | 11.90 | 10.32 | 15.87 | 33.33 |
| Active Learning | 15.87 | 34.92 | 22.22 | 19.84 | 7.14 |
| Project Based | 22.22 | 18.25 | 30.16 | 19.84 | 9.52 |
| Hands On | | | | | |
| Learning | 18.25 | 22.22 | 22.22 | 22.22 | 15.08 |
| Gamified | | | | | |
| Learning | 15.08 | 12.70 | 15.08 | 22.22 | 34.92 |

Active Learning

It's group-based learning. Active learning methods ask students to engage in their learning by thinking, discussing, investigating, and creating

Hands-On Learning

Hands-on learning means learning by doing

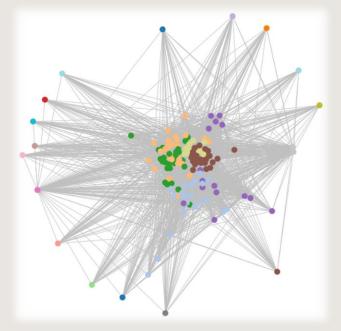
Project-Based Learning

Learning through doing projects and engaging them with real-life problems

Gamified Learning

Learning through gamification involves incorporating gamebased elements like point scoring, peer competition, teamwork, and score tables to drive engagement and assimilate new information





The cluster diagram represents the different perceptive of students toward their future plans

ASPECT 5: Future Plans



Word Cloud represents the different perceptive of students toward their future plans

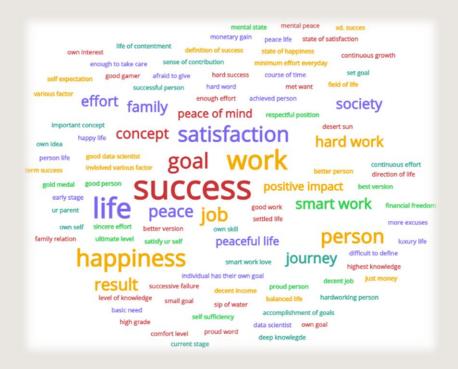




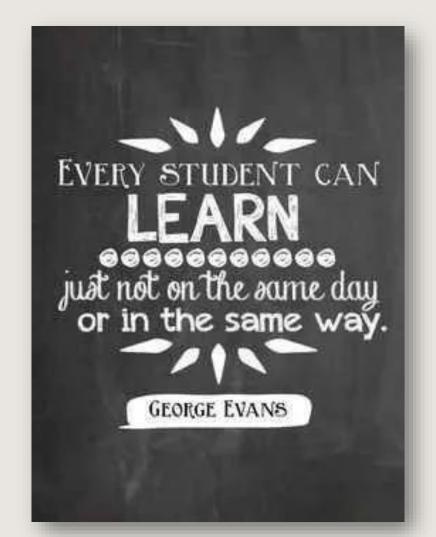
Word Cloud represents the different perceptive of students toward their purpose of education

ASPECT 5: Future Plans

Word Cloud represents the perceptive of students on definition of success









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THANK YOU!

Any Questions?



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