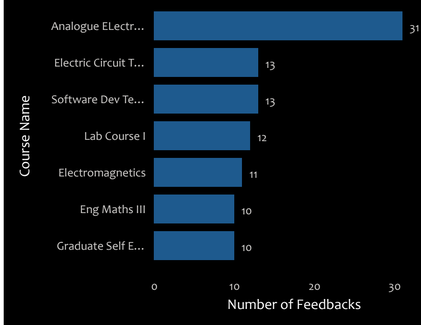
Sentiment Analysis on Student Feedback in Engineering Education by

Welcome to the Sentiment Analysis dashboard!
Sentiment analysis, a vital component of data science, offers a powerful approach to analyze and extract valuable insights from student feedback.. Through the power of Natural Language Processing (NLP), I harnessed the capabilities of machine learning and text analysis techniques to process and analyze the student feedback in engineering education in my University. This interactive dashboard provides a comprehensive overview of the sentiments expressed by students, enabling me to uncover sentiment patterns, emotions, and trends. Join me as we leverage the power of data to drive improvements and enhance the overall learning experience.

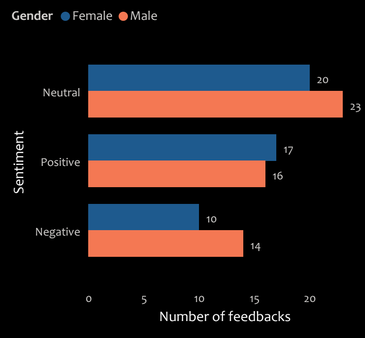
100	7	5.06	5.10	8.31
Total Feedbacks	Total Courses	Average words per feedback	Average Overall Satisfaction	Average Study Hours (week)

Feedback Count by Course



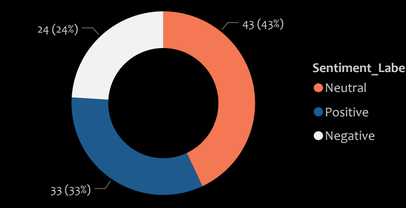
The Analogue Electronics course had the highest number of feedbacks.

Sentiment Distribution by Gender



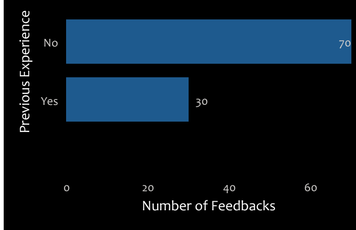
Gender disparity shows both male and female students expressing negative sentiments, with females expressing more positive sentiments and males having more neutral sentiments.

Sentiments of Students



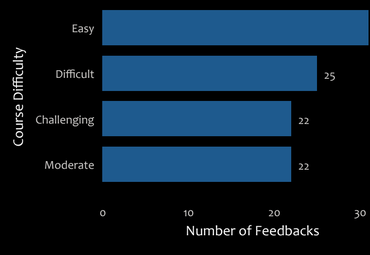
The sentiment distribution indicates a majority of Neutral feedback, suggesting a balanced perspective or lack of strong sentiment.

Feedback Count by Previous Experience



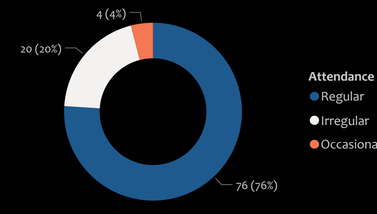
Majority of the students had no previous experience.

Feedback Count by Course Difficulty



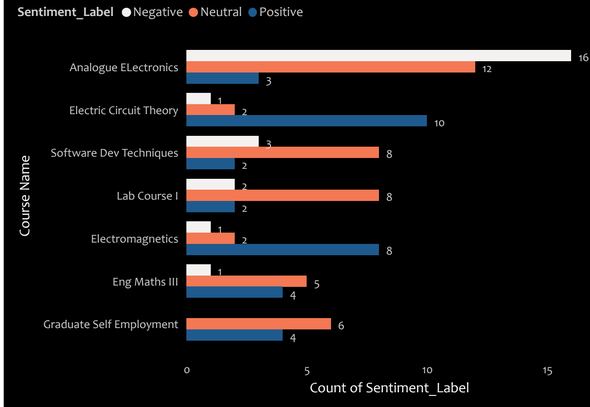
Most of courses were perceived to be easy.

Distribution of Attendance



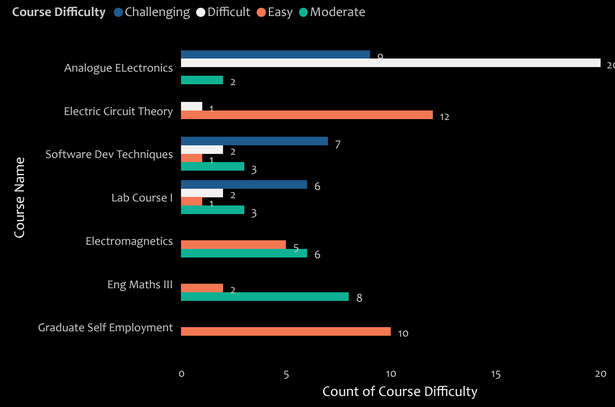
A vast majority of the students are Regular class attendees.

Course distribution by Sentiment



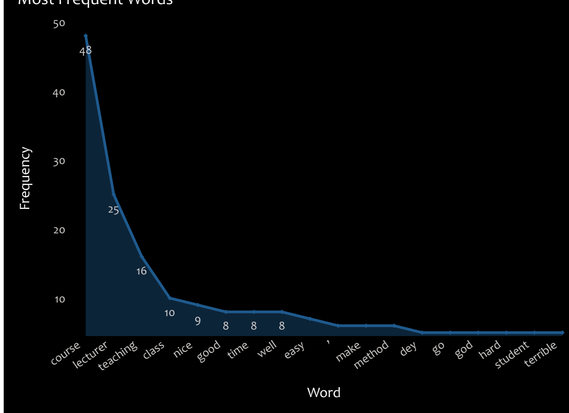
A vast majority of Negative sentiments were expressed for Analogue Electronics while Electric Circuit theory received the most positive sentiments.

Distribution of Course Difficulty

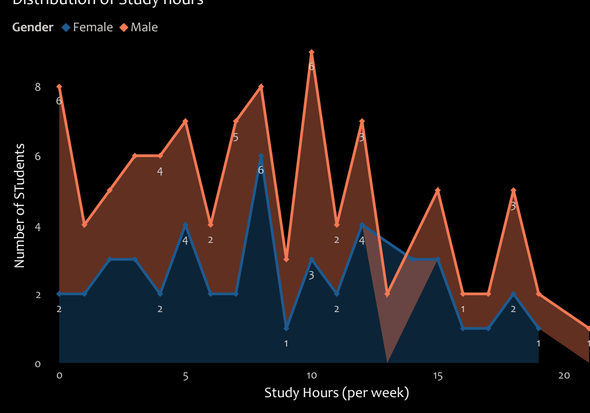


Analogue Electronics is perceived to be the most difficult and challenging course with Electric Circuit theory seen to be the easiest while Engine Maths III is the moderately easiest course.

Most Frequent Words

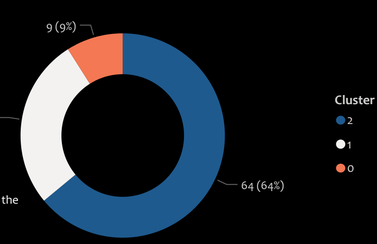


Distribution of Study hours



Word Cloud of Feedbacks

Cluster Analysis of Feedbacks



64% of the feedbacks belonged to the 3rd cluster.