UNLEASHING THE POTENTIAL OF OUR YOUTH: A STUDENT PERFORMANCE ANALYSIS

INTRODUCTION

1.1 Project Overview

A country's progress and development are intricately linked to the quality of its education system. In the modern era, the education sector has undergone a significant transformation and is now recognized as a full-fledged industry. Similar to other industries, it faces its unique set of challenges, with one of the most critical being the decline in students' success rates and a growing trend of students leaving educational courses incomplete. These challenges highlight the urgency of addressing the issues within the higher education system.

One fundamental aspect of tackling these challenges is the assessment of student work. Teachers continuously assign, collect, and scrutinize student work to evaluate their learning progress and refine their teaching methods. Continuous assessment of student learning is essential because it allows teachers to engage in a cycle of continuous improvement in their courses. A multitude of factors can influence a student's academic performance, including the educational background of their parents, the extent of test preparation, and various other variables.

In this context, a dataset containing the academic marks of 1000 students from a school becomes a valuable resource. This project involves a comprehensive analysis of this dataset, with the primary objective being to establish correlations between student performance and various attributes. The analysis seeks to shed light on the influence of crucial factors such as the parental level of education and participation in test preparation courses on students' performance in their examinations. By understanding these dynamics, educators and policymakers can work towards implementing strategies that enhance the overall quality of education, ultimately addressing the challenges faced by the education industry and ensuring a brighter future for students.

1.2 Purpose

The purpose of this project is multi-faceted and holds significance in the realm of education, policy-making, and student success. Firstly, the project aims to gain insights into the factors influencing students' academic performance. By analyzing the dataset, it seeks to understand how variables such as parental education and test preparation courses impact a student's grades. This knowledge can help educators tailor their teaching methods and support systems to better address the specific needs of students, potentially improving their overall learning experience and success rates.

Secondly, this project serves as a valuable resource for educational institutions and policymakers. It provides data-driven evidence that can inform decisions regarding the allocation of resources and development of policies aimed at enhancing the quality of education. For instance, if the analysis reveals that students with parents who have higher levels of education tend to perform better, it may prompt efforts to provide additional support to students from less-educated households, bridging educational inequalities.

Thirdly, the project contributes to the broader academic community by generating empirical insights. It can serve as a basis for further research and discussions on education-related issues. Researchers and scholars can build upon this analysis to delve deeper into the intricacies of student success and the role of various factors, potentially leading to innovations in educational theory and practice.

Lastly, the project aligns with the global agenda of promoting quality education for all. By understanding the factors influencing student performance, it can contribute to the development of evidence-based educational strategies that have the potential to improve overall education systems and, consequently, the long-term economic and social development of a nation. In summary, the purpose of this project is to provide valuable insights for educators, policymakers, researchers, and the broader society, ultimately working towards the goal of enhancing educational outcomes and opportunities for all students.

2. LITERATURE SURVEY

2.1 Existing problem

The issue of factors affecting student performance in higher education is a complex and pervasive problem that has garnered significant attention in the field of education. It encompasses various challenges and concerns, all of which impact the quality of education and the outcomes of students. This problem can be divided into several key aspects:

1. Disparities in Student Outcomes: One of the most pressing problems in higher education is the persistence of disparities in student outcomes. These disparities are often based on socioeconomic factors, race, and ethnicity. Students from underprivileged backgrounds tend to face more obstacles in their educational journey, leading to lower academic performance. Addressing these disparities is crucial for achieving educational equity.

2. High Dropout Rates: A significant number of students enroll in higher education institutions but do not complete their courses or degrees. High dropout rates can be attributed to a variety of factors, including financial difficulties, lack of support, and unmet academic expectations. These dropouts represent a loss of human potential and resources for both individuals and society.

3. Variations in Academic Achievement: The academic performance of students in higher education is not uniform. Various factors contribute to variations in achievement, including prior educational experiences, the quality of K-12 education, and individual motivation. Understanding these factors and their influence on academic success is essential for improving the quality of higher education.

4. Influence of Parental Education: Research has shown a strong correlation between parental education levels and student success. Students whose parents have higher levels of education tend to perform better in academics. This raises questions about how to support students whose parents have lower levels of

education to ensure they receive a quality education and achieve their full potential.

5. Impact of Test Preparation Courses: The role of test preparation courses, such as SAT and ACT prep, in influencing student performance is a matter of ongoing debate. Some argue that these courses provide an unfair advantage, while others believe they help level the playing field. The effect of such courses on educational equity and student success is a pertinent issue.

Addressing these problems is of paramount importance for the education sector and society as a whole. It requires a multi-pronged approach, including policy changes, improved support systems for underrepresented students, research to understand the dynamics at play, and data-driven strategies for enhancing student performance in higher education. By delving into these factors and their impact, educational institutions and policymakers can work towards fostering a more equitable and effective higher education system.

2.2 References

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2.3 Problem Statement Definition

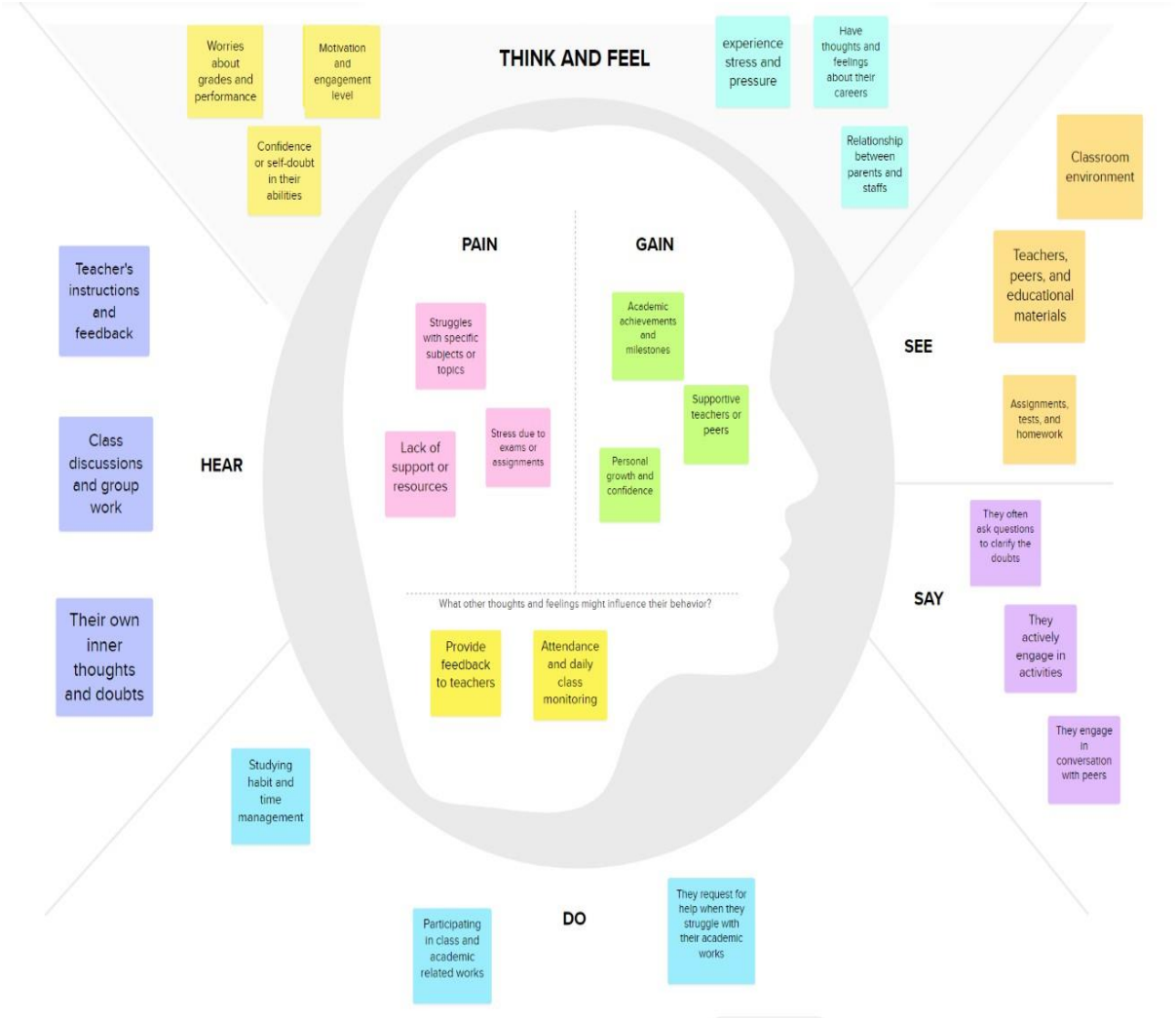
A country's growth is strongly measured by the quality of its education system. Education sector, across the globe has witnessed sea change in its functioning. Today it is recognized as an industry and like any other industry it is facing challenges, the major challenges of higher education being decrease in students' success rate and their leaving a course without completion.

Analysing student work is an essential part of teaching. Teachers assign, collect and examine student work all the time to assess student learning and to revise and improve teaching. Ongoing assessment of student learning allows teachers to engage in continuous quality improvement of their courses. Many factors can influence a student's performance, including the influence of the parents' educational background, test preparation and so on.

The dataset contains the marks secured by 1000 students from a school. This project analyses and correlates student performance with different attributes. The analysis aims to understand the influence of important factors such as parental level of education, the status of test preparation courses etc. on the performance of the students in the exams.

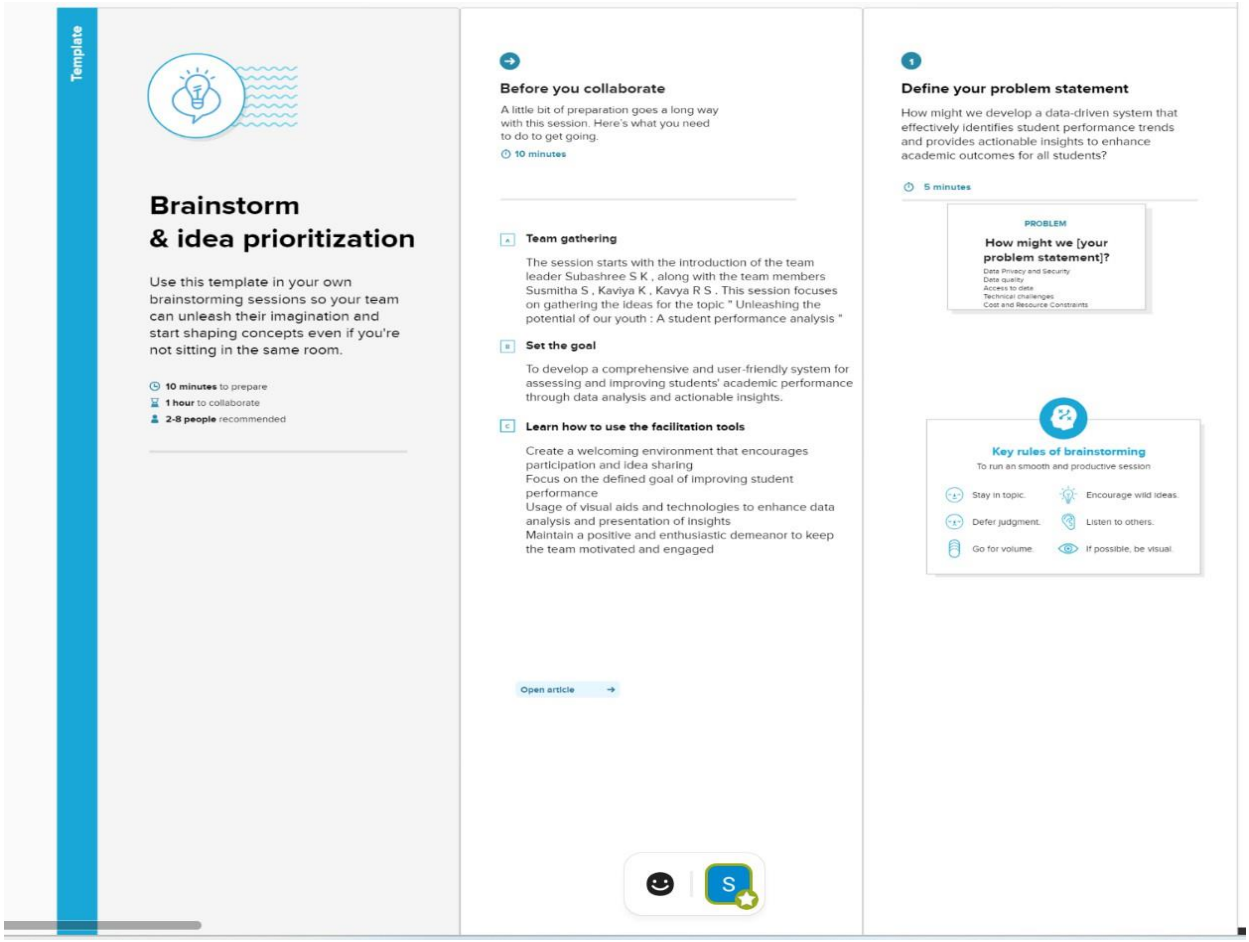
3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas

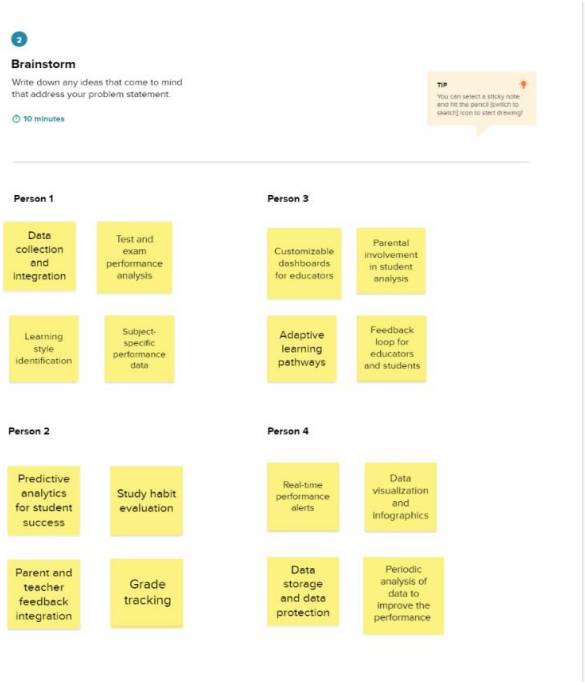


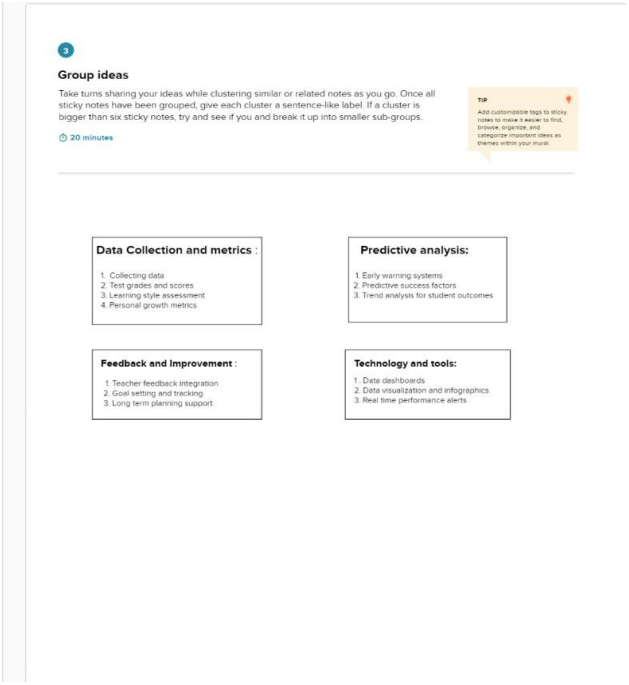
3.2 Ideation & Brainstorming

Step 1: Team Gathering, Collaboration and Select the Problem Statement

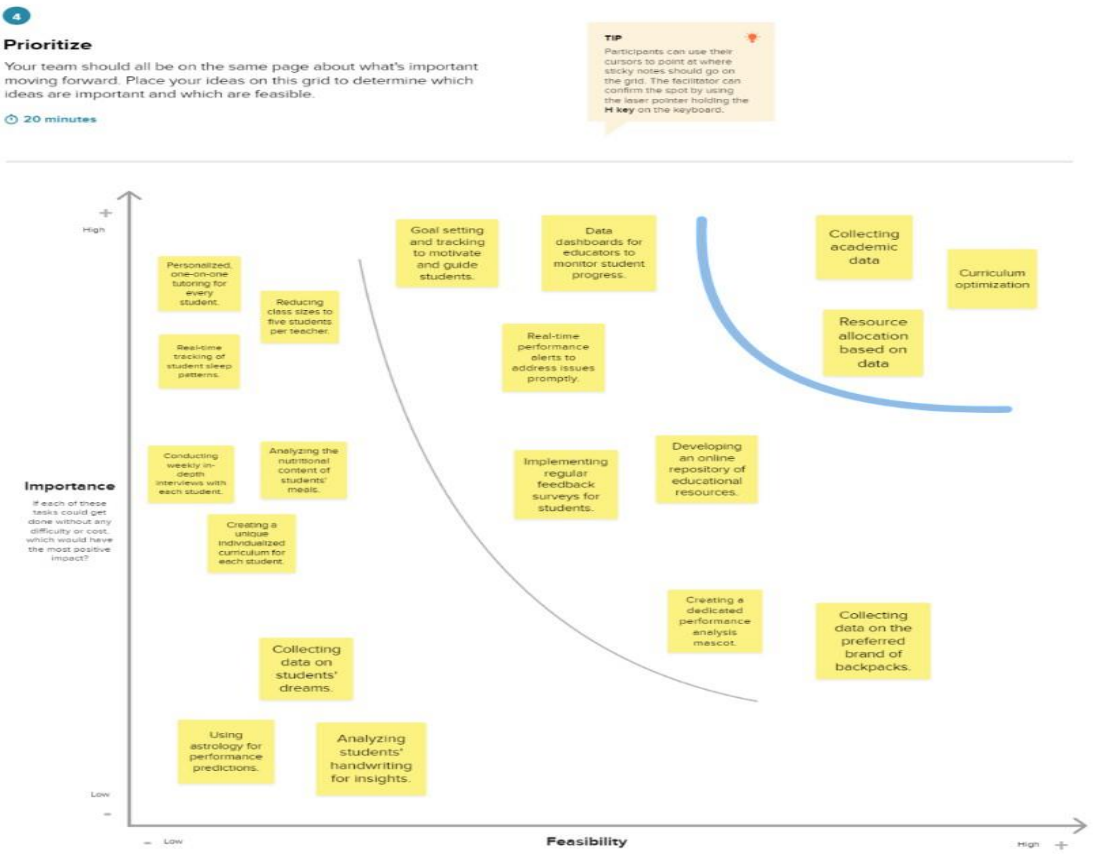


Step 2: Brainstorm, Idea Listing and Grouping





Step 3: Idea Prioritization



4. REQUIREMENT ANALYSIS

4.1 Functional requirement

1. Data Collection: The system must be able to collect and store data related to student performance, including exam scores, demographic information, parental education, and test preparation participation.

2. Data Analysis: The system should provide tools for analyzing the collected data to identify patterns and correlations between student performance and various attributes such as parental education, test preparation, and demographic factors.

3. Visualization: The system should offer data visualization capabilities, including graphs and charts, to present the results of the analysis in a comprehensible manner for educators and policymakers.

4. User Management: The system should support user roles with varying access levels, such as administrators, educators, and researchers, to ensure appropriate data access and functionality.

5. Reporting: It should generate comprehensive reports based on the analysis, allowing users to understand and interpret the findings effectively.

6. Data Export: Users should be able to export analysis results and reports in various formats (e.g., PDF, CSV) for further use and sharing.

7. Real-Time Data Updates: The system should allow for real-time or scheduled updates of student performance data to ensure that the analysis is based on the most current information.

8. Data Validation: Implement data validation checks to maintain data accuracy and consistency, ensuring that the dataset remains reliable for analysis.

9. Security and Data Privacy: The system must adhere to data security and privacy standards, including encryption and access controls, to protect sensitive student information.

10. Scalability: Ensure that the system can handle a growing dataset as more student performance data is collected over time.

4.2 Non-Functional requirements

1. Performance: The system should provide efficient and responsive data analysis, even with large datasets, to support timely decision-making.

2. Usability: The user interface should be intuitive and user-friendly to accommodate users with varying levels of technical expertise.

3. Reliability: The system should be highly reliable, minimizing downtime and ensuring data availability when needed.

4. Security: Apart from data security, the system should protect against potential cyber threats and unauthorized access.

5. Scalability: The system must be designed to handle increasing amounts of data as more student data is collected, accommodating more students and longer-term data collection.

6. Compliance: The system should comply with relevant data protection and privacy regulations, ensuring that student privacy is protected.

7. Interoperability: The system should be compatible with various data sources and formats, allowing seamless integration with existing educational databases and systems.

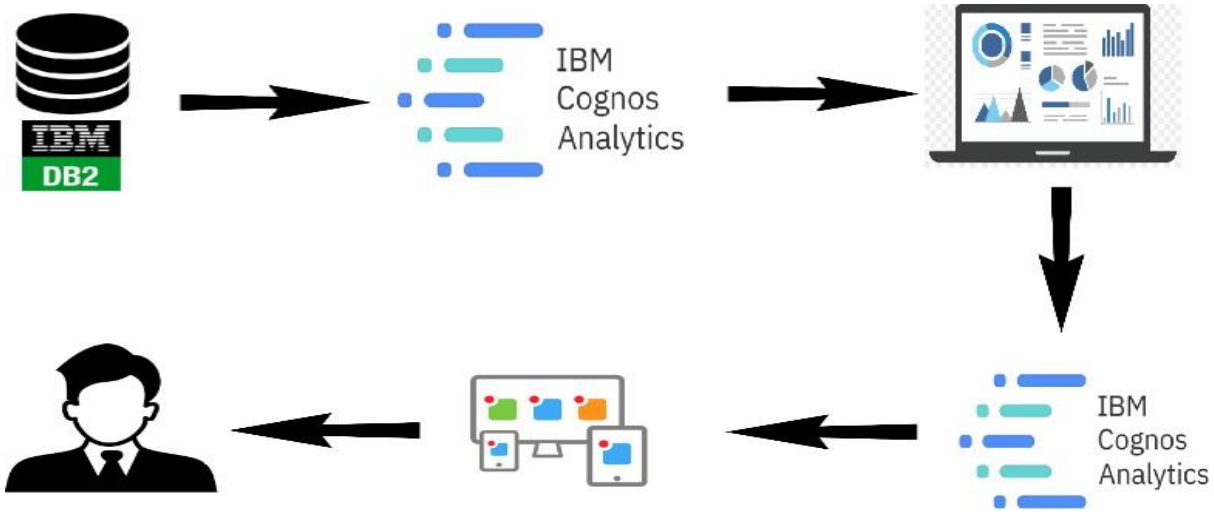
8. Documentation: Comprehensive documentation should be provided for system setup, use, and maintenance to support users and IT personnel.

9. Testing: Rigorous testing procedures, including performance testing and security testing, should be implemented to guarantee the system's reliability and security.

10. Training and Support: Adequate training and ongoing technical support should be provided to system users to ensure they can effectively use the system for data analysis and decision-making.

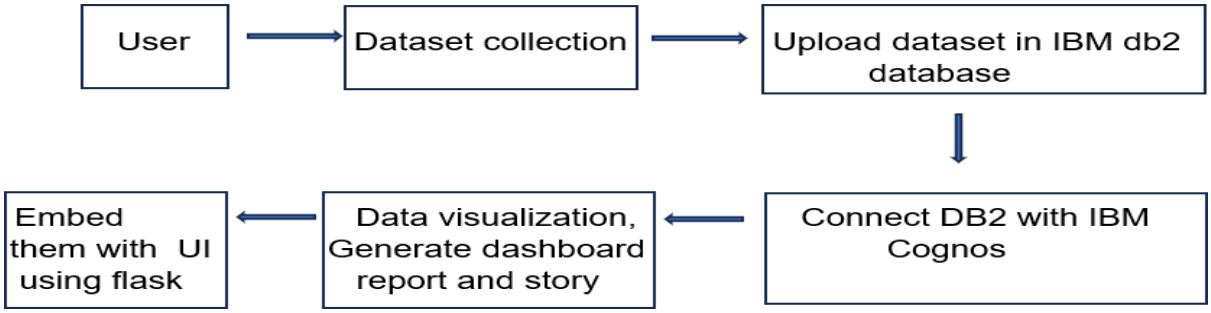
5. PROJECT DESIGN

5.1 Data Flow Diagrams & User Stories



1. User configures credentials for the IBM cognos analytics and IBM cloud understandingservices and starts the app.
2. User first collects the data and store the data in database(db2)
3. User connects the database(db2) from ibm cloud with ibm analytics to establish the dataserver connection
4. User then filter the dataset and create a new datamodule
5. User then create a visualization for the data module
6. Then the user creates the dashboard, generate story and report for the data module
7. Then the dashboard, story and report is embed with User Interface using Flask

DFD LEVEL 0:

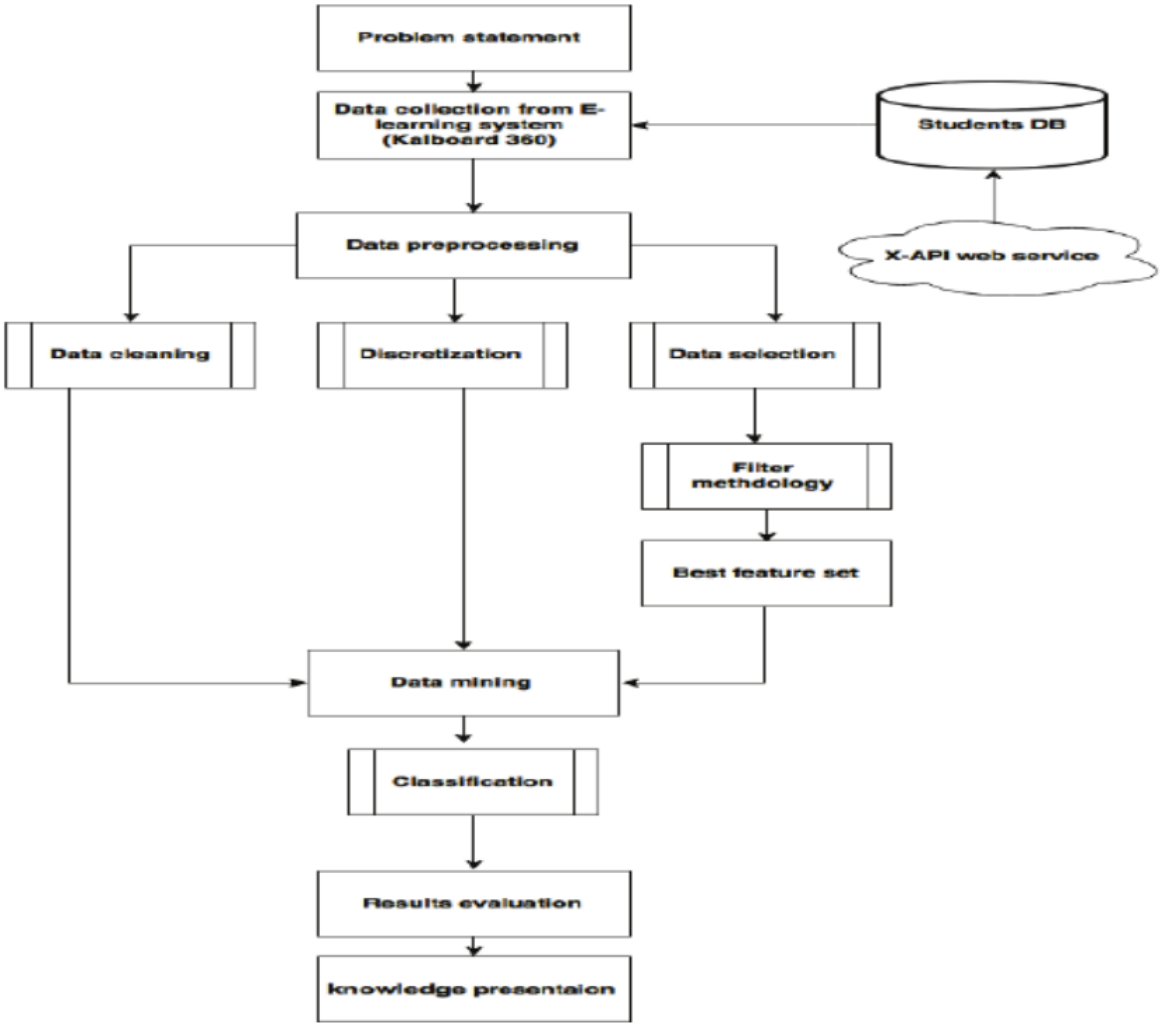


USER STORIES

User Type	Functional Requirement(Epic)	User Story Number	User Story / Task	Acceptanc ecriteria	Priority	Release
Teacher	Login	USN - 1	As a Teacher, I want to upload student attendance records, so I can track attendance over time	I can access my account/ dashboard	High	1.0
Principal	Login	USN - 2	I want to view student performance reports by class, so I can make data -driven decisions.	I can access my account/ dashboard	High	1.0
Student	Registration	USN - 3	I want to access my personal performance data,so I can track my progress.	I can register and access the account	Medium	1.1
Parent	Registration	USN - 4	I want to receive notifications when my child's attendance falls below a certain threshold	I can registerand access the account	Medium	1.1

Teacher	Login	USN - 5	I want to input and update student's grade for assignment and exams, so I can track their progress	I can access the account	High	1.2

5.2 Solution Architecture



6. PROJECT PLANNING & SCHEDULING

6.1 Technical Architecture

6.2 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Infrastructure Setup	USN - 1	As a user, I want to set up the server environment.	6	High	Subashree S K Kaviya K Kavya R S
Sprint-1	Infrastructure Setup	USN - 2	As a user, I want to create a basic front-end interface for user authentication.	6	High	Subashree S K Susmitha S Kaviya K
Sprint-2	Teacher Dashboard	USN - 3	As a user, I want to log in and access the dashboard to input grades and comments.	7	High	Subashree S K Susmitha S Kavya R S
Sprint-2	Data collection	USN - 4	As a user, I want to add and edit student records.	8	High	Susmitha S Kaviya K Kavya R S
Sprint-3	Epic Data Analysis	USN - 5	As a user,I want to analyze student performance data	5	High	Subashree S K Susmitha S Kaviya K
Sprint-3	Student and Parent Access	USN - 6	As a user, I want to access my performance reports	6	Medium	Subashree S K Kaviya K Kavya R S
Sprint-4	Integration with other systems , User feedback	USN - 7	As a user,I want the system to integrate with existing data systems and provide feedback on the system	12	Medium	Subashree S K Susmitha S Kavya R S

6.3 Sprint Delivery Schedule

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	2 weeks	01-09-2023	14-09-2023	20	09-09-2023
Sprint-2	20	3 weeks	15-09-2023	28-09-2023		
Sprint-3	20	3 weeks	29-09-2023	12-10-2023		
Sprint-4	20	2 weeks	13-10-2023	26-10-2023		

Velocity:

Sprint duration = 2 weeks + 3 weeks + 3 weeks + 2 weeks

= 10 weeks

AV = Sprint duration / Velocity = 20 / 10 = 2

Burndown Chart:

Step 1: Create Estimate Effort

	Week 0	Week 1	Week 2	Week 3
Effort Remaining	20	14	8	0

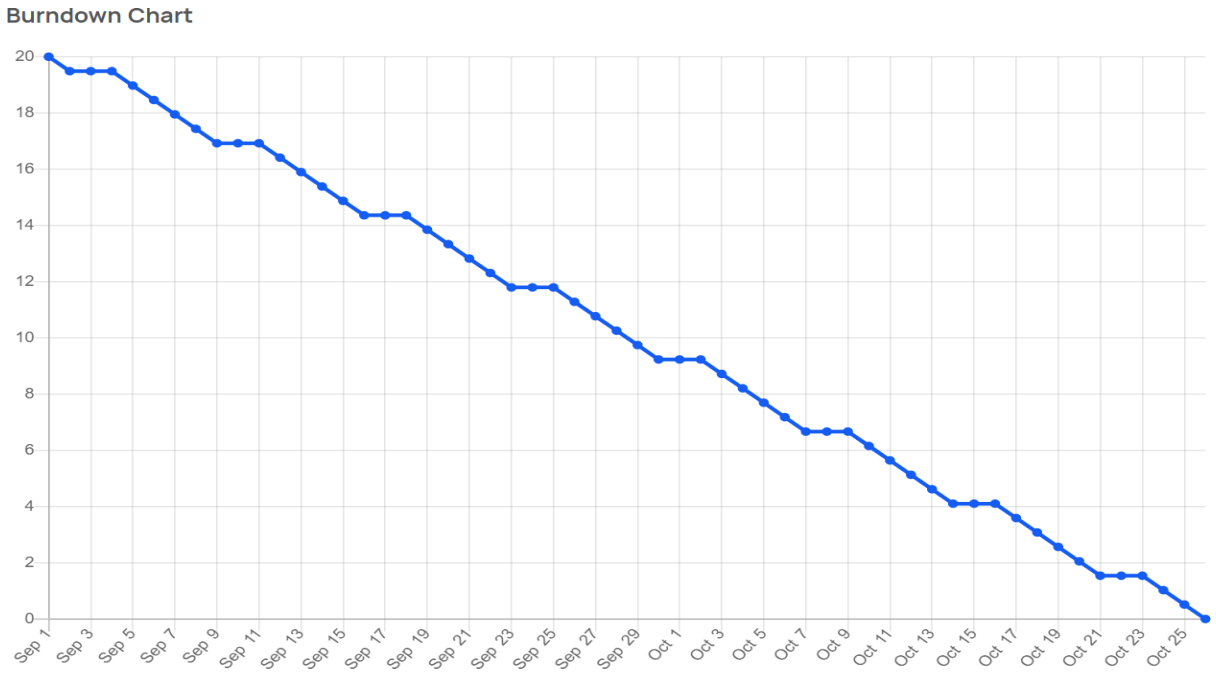
Step 2: Track Daily Process

Task	Hours	Week 0	Week 1	Week 2	Week 3	Total
Task - 1	10	3	2	1	4	10
Task - 2	10	3	2	1	4	10
Task - 3	10	3	2	1	4	10
Task - 4	10	3	2	1	4	10
Task - 5	10	3	2	1	4	10

Step 3: Compute the Actual Effort

		Week 0	Week 1	Week 2	Week 3
Actual Effort	20	16	10	8	0
Effort Remaining	20	14	8	5	0

Step 4: Obtain the final dataset



7. CODING & SOLUTIONING (Explain the features added in the project along with code)

7.1 Feature 1

7.2 Feature 2

7.3 Database Schema (if Applicable)

8. PERFORMANCE TESTING

8.1 Performance Metrics

Analyzing student performance can involve various metrics. Here are some common performance metrics for student analysis:

1. Grade Point Average (GPA): A summary measure of a student's academic performance based on their course grades.

2. Attendance Rate: The percentage of classes or school days a student attends, indicating their commitment to learning.

3. Test Scores: Evaluating performance on standardized tests, quizzes, or exams to assess subject-specific knowledge.

4. Homework Completion: Measuring how consistently students complete and submit their assignments.

5. Class Participation: Assessing a student's engagement in classroom discussions and activities.

6. Behavior and Discipline Records: Tracking any behavioral issues or disciplinary actions to gauge overall conduct.

7. Course Completion Rates: The percentage of courses a student completes successfully.

8. Standardized Test Scores: Such as SAT, ACT, or state-mandated tests, which can be used for college admissions.

9. Graduation Rate: Percentage of students who successfully graduate from a school or program.

10. Retention Rate: How many students remain enrolled in a program over time.

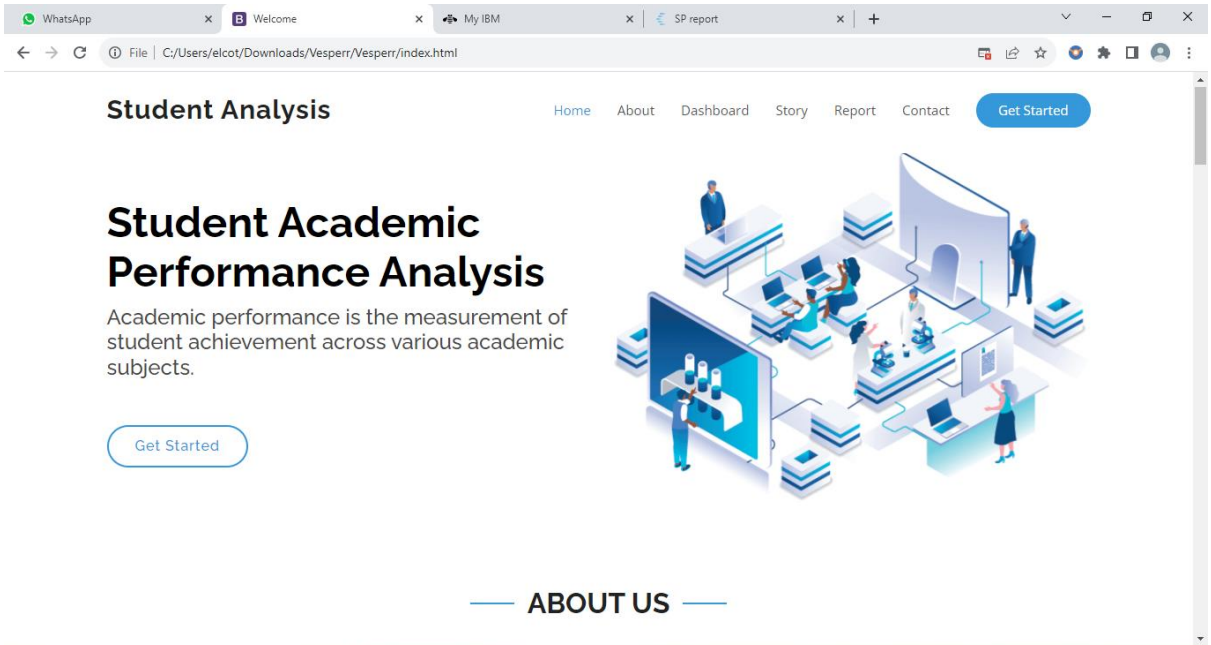
11. Teacher and Peer Evaluations: Collecting feedback from instructors and peers regarding a student's behavior and performance.

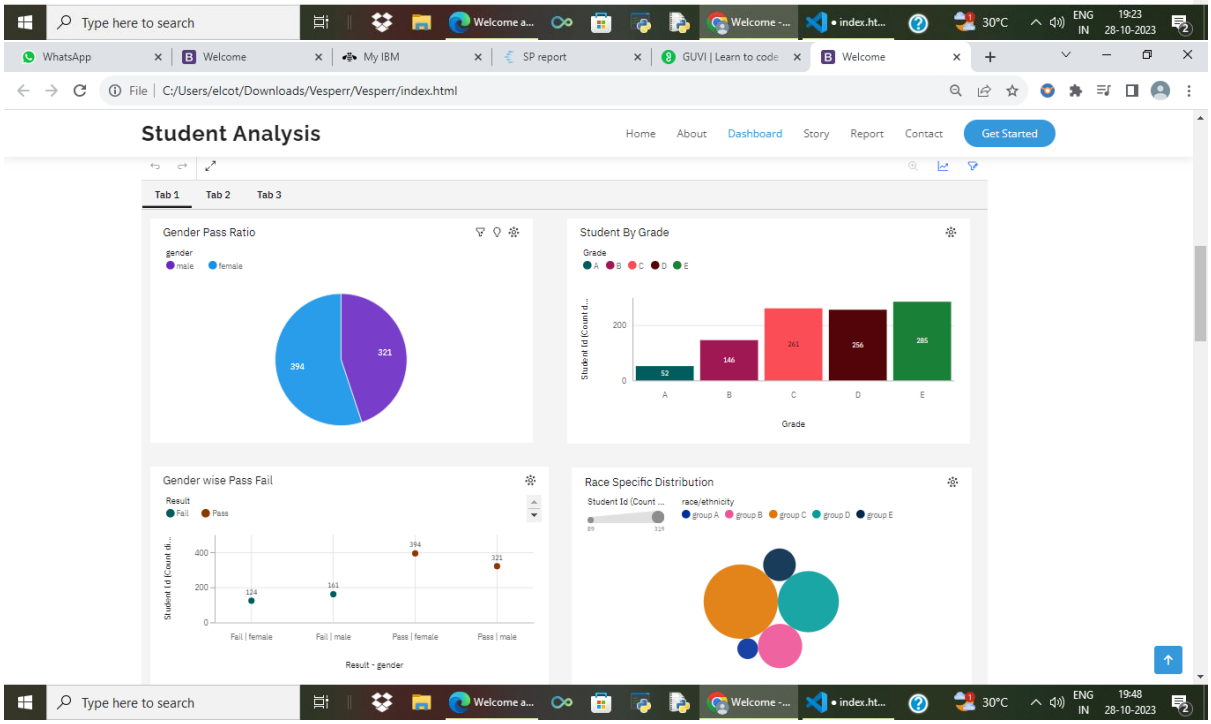
12. Specialized Assessments: Depending on the educational level, metrics could include physical fitness tests, art evaluations, or vocational skills assessments.

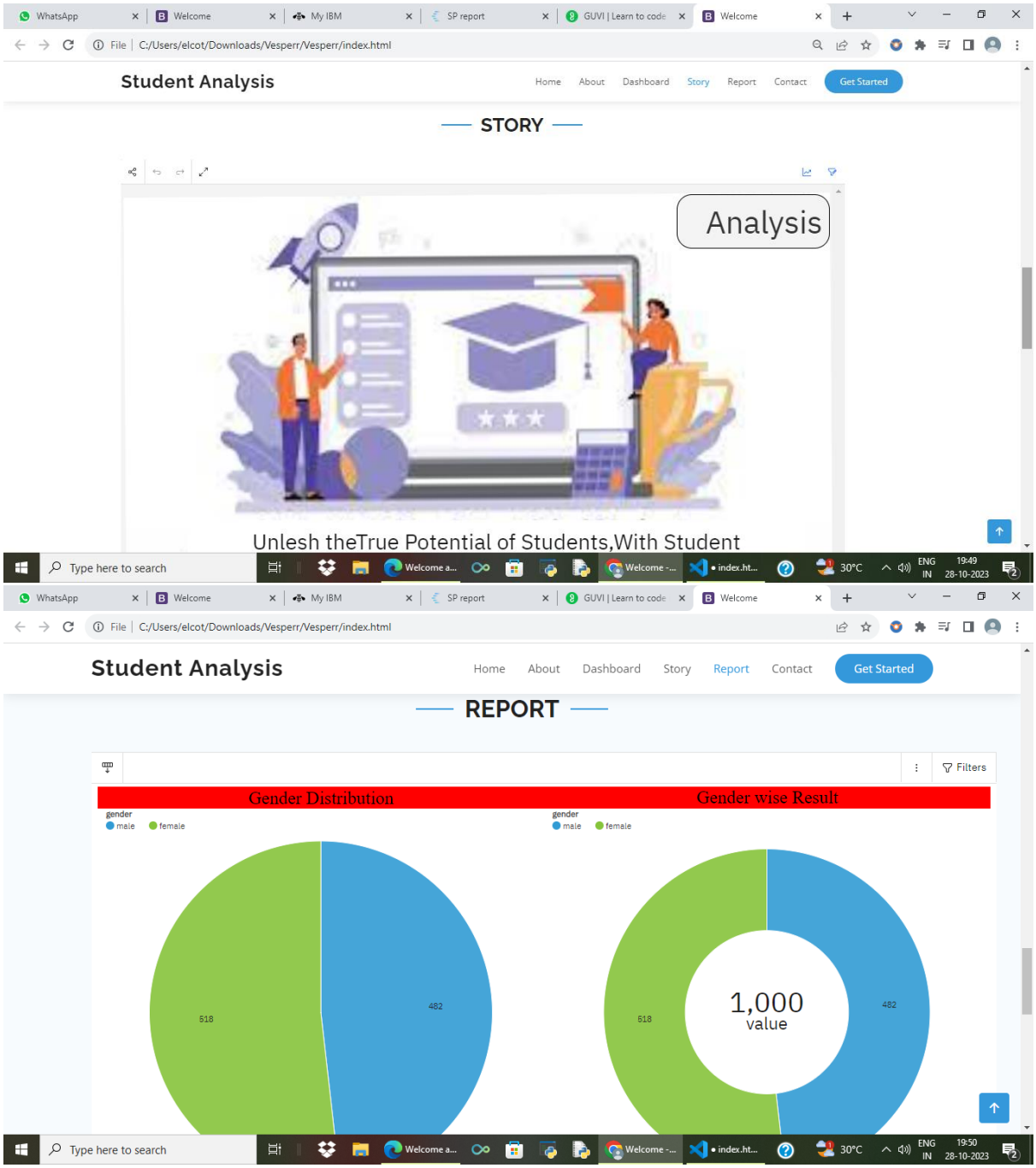
The choice of metrics depends on the educational level and specific goals of the analysis, such as identifying struggling students, evaluating teaching effectiveness, or guiding college admissions decisions.

9. RESULTS

9.1 Output Screenshots



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Student Analysis
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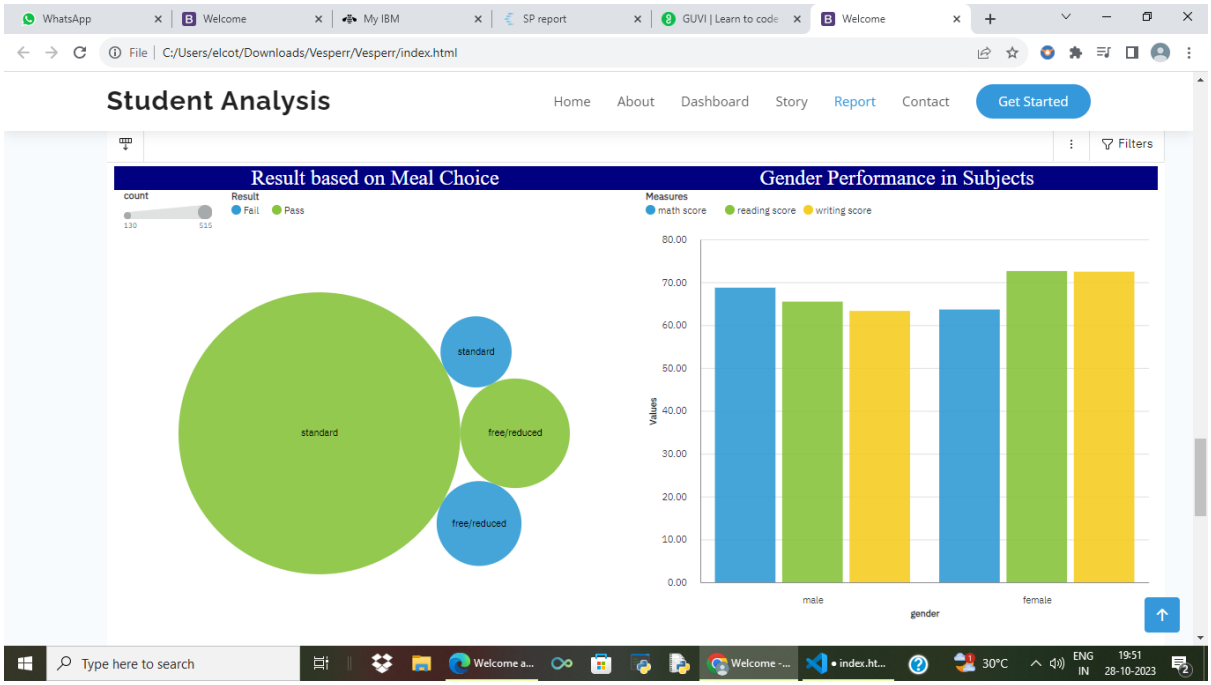
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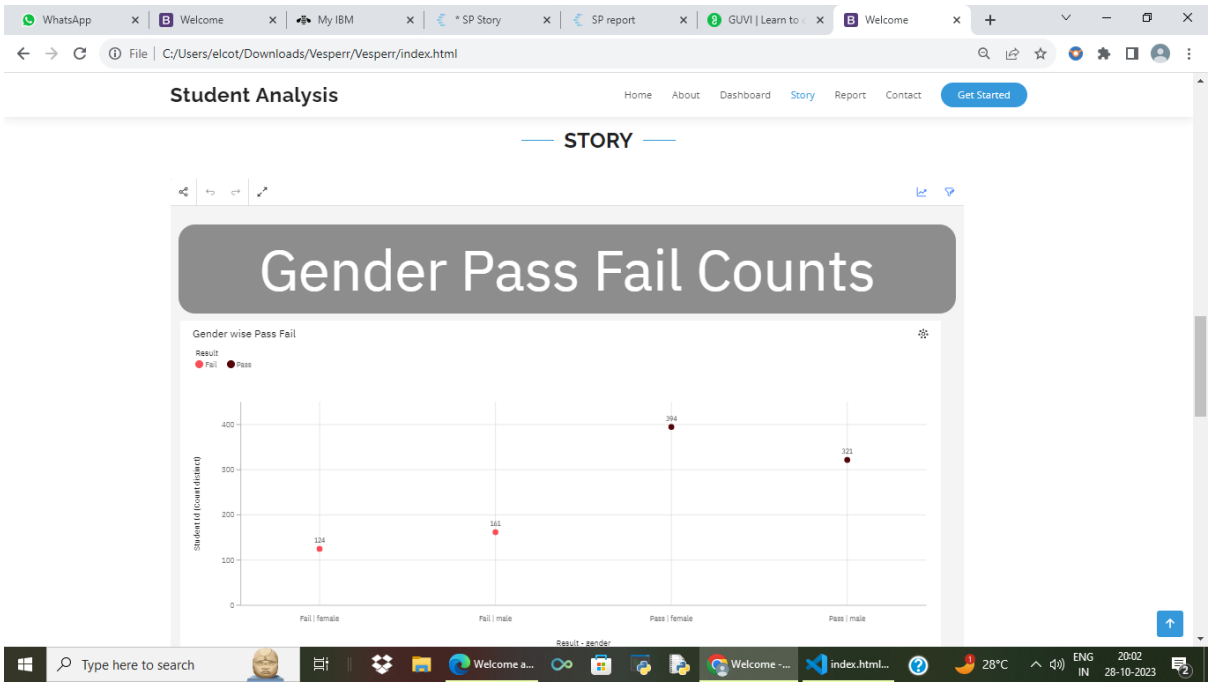
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Fail | male
Pass | female
Pass | male
Result - gender

10. ADVANTAGES & DISADVANTAGES

Advantages

1. Informed Decision-Making: The project provides valuable data-driven insights for educators and policymakers, enabling them to make informed decisions to enhance educational practices and student outcomes.

2. Personalized Interventions: Data analysis and machine learning can help identify at-risk students and tailor interventions, allowing for more personalized support and improved student performance.

3. Equity in Education: By uncovering factors influencing student performance, the project can contribute to efforts to reduce educational disparities and promote more equitable educational opportunities.

4. Longitudinal Understanding: The project's potential for longitudinal studies offers a deeper understanding of how educational experiences impact students' lives beyond academia, aiding in long-term educational planning.

5. Global Collaboration: Collaborating with international partners expands the scope of research and fosters the exchange of best practices in education, contributing to global educational improvements.

Disadvantages

1. Privacy Concerns: Collecting and analyzing student data raises significant privacy concerns, necessitating stringent data protection measures and compliance with privacy regulations to safeguard sensitive information.

2. Data Quality: The accuracy and quality of the data are crucial for meaningful analysis. Incomplete or inaccurate data can lead to flawed conclusions and recommendations.

3. Technical Challenges: The project's technical complexity may pose challenges in terms of system development, data management, and integration with existing educational infrastructure.

4. Resource Intensive: The project can be resource-intensive, requiring investments in technology, personnel, and ongoing maintenance, which may be a barrier for some educational institutions.

5. Resistance to Change: Implementing data-driven approaches in education may face resistance from educators or institutions that are more traditional in their teaching and decision-making methods.

6. Bias in Data: The project may inadvertently perpetuate or amplify existing biases present in the data, leading to potentially unfair educational decisions if not carefully managed.

7. Overreliance on Data: There is a risk of overreliance on data, potentially overshadowing the importance of qualitative assessment and personal interactions in education.

11. CONCLUSION

The project, "Unleashing the Potential of Our Youth: A Student Performance Analysis," is a technically sophisticated endeavour that leverages data collection, advanced data analysis, and machine learning techniques to understand the myriad factors influencing student performance in education. It encompasses a user-friendly interface for educators and policymakers, offering comprehensive reports and visualizations. Emphasizing data security and privacy, the project adheres to ethical data use and regulatory compliance. Scalability, interoperability, and efficient performance optimization ensure that it can adapt to the growth of data over time. Rigorous testing, comprehensive documentation, and user training programs underscore the project's commitment to quality and reliability. As it expands its horizons, global collaboration and research form integral components of this multifaceted project, reflecting a dedication to unlocking the potential of the next generation through data-informed and responsive education.

12. FUTURE SCOPE

1. Predictive Analytics: Implement predictive analytics to forecast student performance trends, enabling proactive interventions to support struggling students and enhance overall educational outcomes.

2. Machine Learning Models: Employ advanced machine learning models to uncover deeper insights from student performance data, such as identifying at-risk students, optimizing curricula, and tailoring interventions.

3. Longitudinal Studies: Expand the project's scope to follow students over time, tracking the impact of educational interventions and factors influencing their academic and career trajectories.

4. Cross-Institutional Analysis: Collaborate with multiple educational institutions to conduct comparative analyses, facilitating a broader understanding of the factors influencing student performance.

5. Leveraging Technology: As educational technology continues to evolve, explore ways to integrate innovative tools, such as adaptive learning platforms and AI-driven educational resources, to enhance student performance and personalized learning.

6. Incorporating Qualitative Data: Extend the analysis to include qualitative data, such as surveys, interviews, and student feedback, to gain a more comprehensive understanding of the educational experience.

7. International Studies: Engage in international research to assess the impact of various factors on student performance, taking into account cultural and regional differences.

8. Policy Influence: Collaborate with policymakers to ensure that the project's findings are integrated into education policy decisions, improving the quality and equity of education systems.

9. Parental Engagement: Explore the role of parental involvement in student performance and develop strategies to enhance parents' support for their children's education.

10. Enhanced Reporting: Develop more interactive and dynamic reporting tools that offer educators and policymakers a deeper understanding of the data and facilitate data-driven decision-making.

11. Ethical Data Use: Continue to prioritize data security and ethical data use, staying up to date with evolving data privacy regulations and best practices.

12. Teacher Professional Development: Extend the project to offer professional development opportunities for educators based on data-driven insights, fostering a culture of continuous improvement.

13. Global Collaboration: Collaborate with international partners, institutions, and researchers to share best practices and insights, contributing to a global effort to enhance student performance.

14. Student-Centered Focus: Further emphasize student voice and engagement in shaping educational practices, considering their feedback and experiences in the analysis.

15. Career Pathway Analysis: Explore the long-term impact of education on students' career pathways, helping to align educational programs with future workforce demands.

13. APPENDIX

Source Code

index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Welcome</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,
700,700i|Raleway:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,
500i,600,600i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
  <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="assets/css/style.css" rel="stylesheet">

```

```
  <!-- ======================================================
  * Template Name: Vesperr
  * Updated: Sep 18 2023 with Bootstrap v5.3.2
  * Template URL: https://bootstrapmade.com/vesperr-free-bootstrap-template/
  * Author: BootstrapMade.com
  * License: https://bootstrapmade.com/license/
  ====================================================== -->
</head>

<body>

  <!-- ======= Header ======= -->
  <header id="header" class="fixed-top d-flex align-items-center">
    <div class="container d-flex align-items-center justify-content-between">

      <div class="logo">
        <h1><a href="index.html">Student Analysis</a></h1>
        <!-- Uncomment below if you prefer to use an image logo -->
        <!-- <a href="index.html"><img src="assets/img/logo.png" alt="" class="img-fluid"></a>-->
      </div>

      <nav id="navbar" class="navbar">
        <ul>
          <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
          <li><a class="nav-link scrollto" href="#about">About</a></li>
          <li><a class="nav-link scrollto" href="#services">Dashboard</a></li>
          <li><a class="nav-link scrollto " href="#portfolio">Story</a></li>
          <li><a class="nav-link scrollto" href="#team">Report</a></li>
          <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
          <li><a class="getstarted scrollto" href="#about">Get Started</a></li>
        </ul>
        <i class="bi bi-list mobile-nav-toggle"></i>
      </nav><!-- .navbar -->

    </div>
  </header><!-- End Header -->

  <!-- ======= Hero Section ======= -->
  <section id="hero" class="d-flex align-items-center">

    <div class="container">
      <div class="row">
        <div class="col-lg-6 pt-5 pt-lg-0 order-2 order-lg-1 d-flex flex-column justify-content-center">
          <h1 data-aos="fade-up">Student Academic Performance Analysis</h1>
          <h2 data-aos="fade-up" data-aos-delay="400">Academic performance is the measurement of student achievement across various academic subjects.</h2>
          <div data-aos="fade-up" data-aos-delay="800">
            <a href="#about" class="btn-get-started scrollto">Get Started</a>
          </div>
        </div>
        <div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="fade-left" data-aos-delay="200">
          <img src="assets/img/hero-img.png" class="img-fluid animated" alt="">
        </div>
      </div>
    </div>
```

```
  </section><!-- End Hero -->

  <main id="main">

    <!-- ======= Clients Section ======= -->
    <!--<section id="clients" class="clients clients">
      <div class="container">

        <div class="row">

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-1.png" class="img-fluid" alt="" data-aos="zoom-in">
          </div>

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-2.png" class="img-fluid" alt="" data-aos="zoom-in" data-aos-delay="100">
          </div>

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-3.png" class="img-fluid" alt="" data-aos="zoom-in" data-aos-delay="200">
          </div>

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-4.png" class="img-fluid" alt="" data-aos="zoom-in" data-aos-delay="300">
          </div>

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-5.png" class="img-fluid" alt="" data-aos="zoom-in" data-aos-delay="400">
          </div>

          <div class="col-lg-2 col-md-4 col-6">
            <img src="assets/img/clients/client-6.png" class="img-fluid" alt="" data-aos="zoom-in" data-aos-delay="500">
          </div>

        </div>

      </div>
    </section>--><!-- End Clients Section -->

    <!-- ======= About Us Section ======= -->
    <section id="about" class="about">
      <div class="container">

        <div class="section-title" data-aos="fade-up">
          <h2>About Us</h2>
        </div>

        <div class="row content">
          <div class="col-lg-6" data-aos="fade-up" data-aos-delay="150">
```

```
            <p>
              Welcome to "Unleashing the potential of Our Youth:A Student Performance Analysis!"We are passionate about understanding and maximizing the educational outcomes of our youth.Our mission is to provide valuable insights and visualizations that shed light on the performance and achievements of students across various demographics.
              <!--Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore
              magna aliqua. -->
            </p>

          </div>

        </div>

      </div>
    </section><!-- End About Us Section -->

    <!-- ======= Counts Section ======= -->


              <!-- End Counts Section -->

    <!-- ======= Services Section ======= -->
```

```
    <section id="services" class="services">
      <div class="container">

        <div class="section-title" data-aos="fade-up">
          <h2>Dashboard</h2>

        </div>

        <div >
          <iframe src="https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&amp;pathRef=.my_folders%2Fproject%2FSP%2Bdashboard&amp;closeWindowOnLastView=true&amp;ui_appbar=false&amp;ui_navbar=false&amp;shareMode=embedded&amp;action=view&amp;mode=dashboard&amp;subView=model0000018b654c4af9_00000000" width="1200" height="800" frameborder="0" gesture="media" allow="encrypted-media" allowfullscreen=""></iframe>
        </div>
      </div>
    </section><!-- End Services Section -->

    <!-- ======= More Services Section ======= -->


         <!-- End More Services Section -->

    <!-- ======= Features Section ======= -->

          <!-- End Features Section -->

    <!-- ======= Testimonials Section ======= -->

              <!-- End testimonial item -->

          <!-- End testimonial item -->

          <!-- End testimonial item -->

           <!-- End Testimonials Section -->
```

```
186
187     <!-- ======= Portfolio Section ======= -->
188     <section id="portfolio" class="portfolio">
189       <div class="container">
190
191         <div class="section-title" data-aos="fade-up">
192           <h2>Story</h2>
193         </div>
194
195         <div >
196           <iframe src="https://us1.ca.analytics.ibm.com/bi/?perspective=story&amp;pathRef=
    .my_folders%2Fproject%2FSP%2BStory&amp;closeWindowOnLastView=true&amp;ui_appbar=false&amp;
    ui_navbar=false&amp;shareMode=embedded&amp;action=view&amp;sceneId=
    model0000018b65e7a703_00000000&amp;sceneTime=0" width="1200" height="800" frameborder="0"
    gesture="media" allow="encrypted-media" allowfullscreen=""></iframe>
197         </div>
198       </div>
199     </section><!-- End Portfolio Section -->
200
201     <!-- ======= Team Section ======= -->
202     <section id="team" class="team section-bg">
203       <div class="container">
```

```
204
205         <div class="section-title" data-aos="fade-up">
206           <h2>Report</h2>
207         </div>
208
209         <div >
210
211           <iframe src="https://us1.ca.analytics.ibm.com/bi/?pathRef=
    .my_folders%2Fproject%2FSP%2Breport&amp;closeWindowOnLastView=true&amp;ui_appbar=false&amp;
    ui_navbar=false&amp;shareMode=embedded&amp;action=run&amp;format=HTML&amp;prompt=false"
    width="1200" height="800" frameborder="0" gesture="media" allow="encrypted-media"
    allowfullscreen=""></iframe>
212         </div>
213       </div>
214     </section><!-- End Team Section -->
215
216     <!-- ======= Pricing Section ======= -->
217
218     <!-- End Pricing Section -->
219
220     <!-- ======= F.A.Q Section ======= -->
221
222
223
224
225
226     <!-- ======= Contact Section ======= -->
227     <section id="contact" class="contact">
228       <div class="container">
229
230         <div class="section-title" data-aos="fade-up">
231           <h2>Contact Us</h2>
232         </div>
233
234         <div class="row">
```

```
235
236           <div class="col-lg-4 col-md-6" data-aos="fade-up" data-aos-delay="100">
237             <div class="contact-about">
238               <div class="social-links">
239                 <a href="#" class="twitter"><i class="bi bi-twitter"></i></a>
240                 <a href="#" class="facebook"><i class="bi bi-facebook"></i></a>
241                 <a href="#" class="instagram"><i class="bi bi-instagram"></i></a>
242                 <a href="#" class="linkedin"><i class="bi bi-linkedin"></i></a>
243               </div>
244             </div>
245           </div>
246
247           <div class="col-lg-3 col-md-6 mt-4 mt-md-0" data-aos="fade-up" data-aos-delay="200"
    >
248             <div class="info">
249               <div>
250                 <i class="ri-map-pin-line"></i>
251                 <p>A108 Adam Street<br>New York, NY 535022</p>
252               </div>
253
254               <div>
255                 <i class="ri-mail-send-line"></i>
256                 <p>info@example.com</p>
257               </div>
258
259               <div>
260                 <i class="ri-phone-line"></i>
261                 <p>+1 5589 55488 55s</p>
262               </div>
263
264             </div>
265           </div>
266
267           <div class="col-lg-5 col-md-12" data-aos="fade-up" data-aos-delay="300">
268             <form action="forms/contact.php" method="post" role="form" class="php-email-form"
    >
269               <div class="form-group">
270                 <input type="text" name="name" class="form-control" id="name" placeholder="
    Your Name" required>
271               </div>
272               <div class="form-group">
273                 <input type="email" class="form-control" name="email" id="email" placeholder=
    "Your Email" required>
274               </div>
275               <div class="form-group">
276                 <input type="text" class="form-control" name="subject" id="subject"
    placeholder="Subject" required>
277               </div>
278               <div class="form-group">
279                 <textarea class="form-control" name="message" rows="5" placeholder="Message"
    required></textarea>
280               </div>
281               <div class="my-3">
282                 <div class="loading">Loading</div>
283                 <div class="error-message"></div>
284                 <div class="sent-message">Your message has been sent. Thank you!</div>
285               </div>
286               <div class="text-center"><button type="submit">Send Message</button></div>
287             </form>
288           </div>
```

```
289
290         </div>
291
292       </div>
293     </section><!-- End Contact Section -->
294
295   </main><!-- End #main -->
296
297   <!-- ======= Footer ======= -->
298   <footer id="footer">
299     <div class="container">
300       <div class="row d-flex align-items-center">
301         <div class="col-lg-6 text-lg-left text-center">
302           <div class="copyright">
303             &copy; Copyright <strong>Vesperr</strong>. All Rights Reserved
304           </div>
305           <div class="credits">
306             <!-- All the links in the footer should remain intact. -->
307             <!-- You can delete the links only if you purchased the pro version. -->
308             <!-- Licensing information: https://bootstrapmade.com/license/ -->
309             <!-- Purchase the pro version with working PHP/AJAX contact form:
https://bootstrapmade.com/vesperr-free-bootstrap-template/ -->
310             Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>
311           </div>
312         </div>
313         <div class="col-lg-6">
314           <nav class="footer-links text-lg-right text-center pt-2 pt-lg-0">
315             <a href="#intro" class="scrollto">Home</a>
316             <a href="#about" class="scrollto">About</a>
317             <a href="#">Privacy Policy</a>
318             <a href="#">Terms of Use</a>
319           </nav>
320         </div>
321       </div>
322     </div>
323   </footer><!-- End Footer -->
324
325   <a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="
bi bi-arrow-up-short"></i></a>
326
327   <!-- Vendor JS Files -->
328   <script src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
329   <script src="assets/vendor/aos/aos.js"></script>
330   <script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
331   <script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
332   <script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
333   <script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
334   <script src="assets/vendor/php-email-form/validate.js"></script>
335
336   <!-- Template Main JS File -->
337   <script src="assets/js/main.js"></script>
338
339 </body>
340
341 </html>
```

GitHub & Project Demo Link:

GitHub Repository: https://github.com/SUBASHREE1762/NaanMudhalvan-NM2023TMID03215

Demo link: https://drive.google.com/file/d/1oyBpk8mkYlY-CGRe_hDlGz4WiPB6ZPW7/view?usp=drive_link