ANALYTICS TOOLS FOR PLACEMENT

Presented by

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INTRODUCTION

- "Analytics for Placement" is a dynamic and forward-thinking project that harnesses the power of data-driven insights to revolutionize career decisions in today's complex and competitive job market.

- By Utilizing advanced analytics tools, this initiative empowers individuals with personalized guidance to match their skills and aspirations with dynamic employment demands.

- An innovative beacon in career planning, it equips individuals with knowledge and strategies for success in their chosen paths.

ABSTRACT

- The "Analytics Tools for Placement" project offers data-driven career guidance, leveraging advanced analytics to empower individuals in making informed career decisions.
- The project uses advanced analytics to offer personalized career advice and skill development strategies by assessing individual skills, market demand, and career goals.
- The initiative aims to empower individuals with data-driven insights for career success in a rapidly changing job market.

LITERATURE SURVEY

PAPER-I

TITLE: Unlocking Hidden Student Insights with EDM

AUTHOR: Revathy S et al

The paper utilizes data mining to forecast student placements by categorizing them using academic, technical, and programming skills, employing the C5.0 algorithm. Data is split into training and test sets in R, achieving a 75% accuracy in placement prediction, visually represented with a pie chart.

LITERATURE SURVEY

PAPER-II

TITLE: Using Data Mining to Benefit Future Students

AUTHOR: Sudheep Elayidom

Decision tree, naive Bayes, and neural networks help students select college branches based on their data, with decision trees having a slight accuracy edge in the comparison. No universally superior model is identified.

LITERATURE SURVEY

PAPER-III

TITLE: Predicting Student Placement with Data Analytics and Emotional Skill Assessment.

AUTHOR: Tripti Mishra

Improving Student Placement Prediction with Data Analytics and Emotional Skill Assessment. Model Comparison using ROC and F Measure, Highlighting Model 148 for Accuracy and Efficiency."

LITERATURE SURVEY

PAPER-IV

TITLE : Forecasting Training and Placement Success Through Predictive Modeling.

AUTHOR: Ajay Kumar pal

Student Placement Assessment: Analyzing 65 student data using Naïve Bayes, achieving an 86.15% accuracy with no build time and low errors. Key attributes include sex, academic results, seminar performance, lab work, communication skills, and graduation background

DRAWBACKS IN EXISTING SYSTEM

- Limited Data Integration.
- Data Quality and Consistency.
- Algorithm Selection.
- Scalability Concerns.
- Privacy and Security Concerns

PROPOSED SOLUTION

- Interactive visualization tools are incorporated for placement predictions and skill development strategies, making the data more accessible and engaging for users.
- It provides tailored learning strategies to bridge skill gaps, aligning students' capabilities with the ever-changing job market requirements.
- Providing career path insights, aiding students in informed decision-making and charting success in a competitive job market.

ADVANTAGES

- Personalized Guidance: System's fairness emphasis reduces bias, ensuring equal opportunities for all students.
- User-Friendly Interface: User-friendly interface and visualization tools enhance engagement and understanding of placement data.
- Continuous Improvement: The feedback-driven approach ensures ongoing enhancement of classification models, increasing accuracy and adaptability over time.

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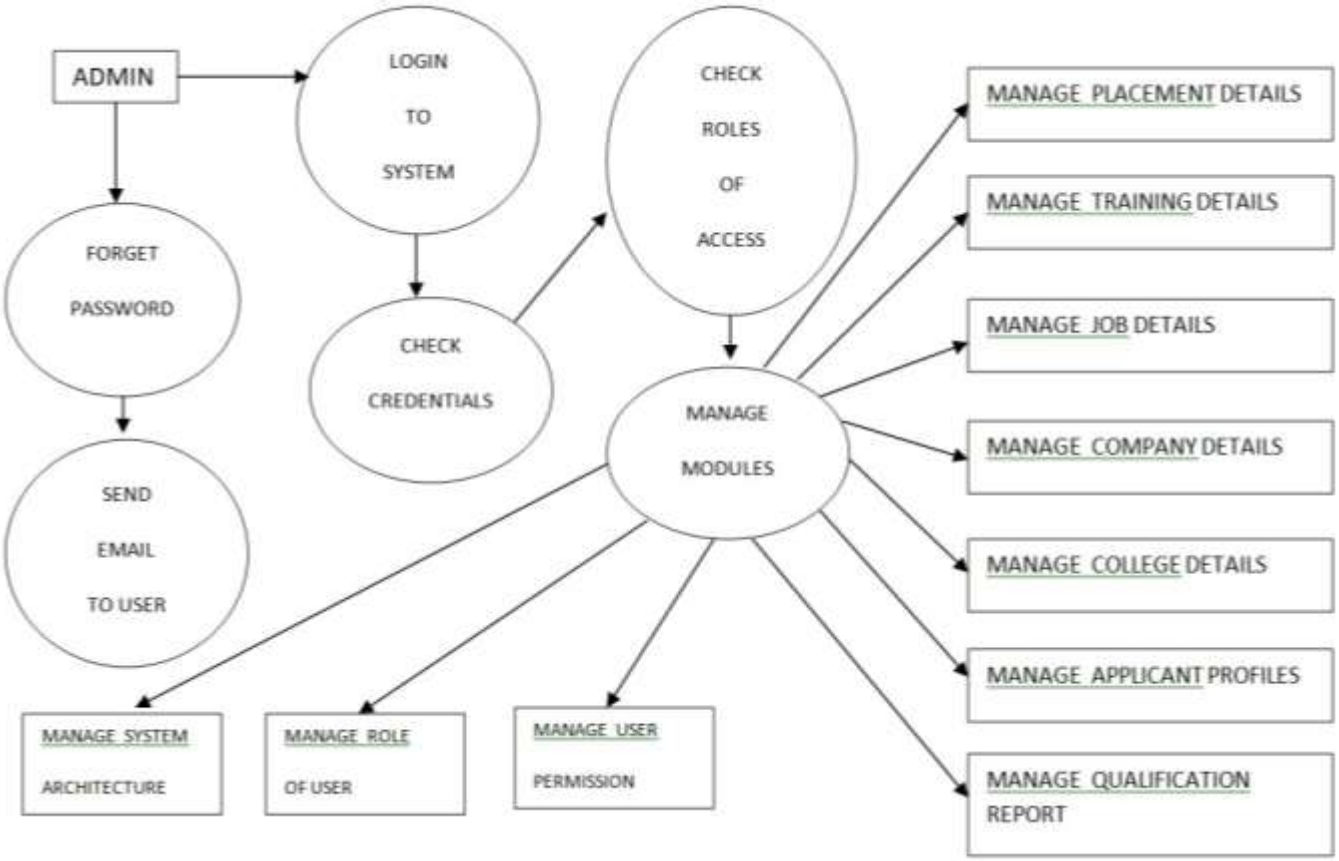
WORKFLOW DIAGRAM



SYSTEM SPECIFICATION

HARDWARE USED:

Processor -AMD/INTEL

RAM -4GB

Hard Disk -256 GB

SOFTWARE USED:

Language - Python, HTML, CSS and Javascript

Framework - Flask

Package Manager & Build Tool - PIP

Database - IBM_DB2

Service - SendGridAPI(Email)

MODULES

1. **Authentication**
   - Login
   - Sign in

2. Home
   - Home page of the Project.

3. About
   - About the Project Web Page.

4. Analysis Page
   - Dash Board Page
   - Report Page
   - Stories Page

MODULE DESCRIPTION

1. **Authentication:** Users can opt to either create a new account or log in using their existing credentials, usually involving a username or email address and a password for authentication. Upon successful authentication, users gain access to their tailored content and website services.

2. **2. Home:** The website's home page serves as the entry point, providing users with information about the site and offering direct links to various sections, including services, team, about, and analysis pages.

MODULE DESCRIPTION

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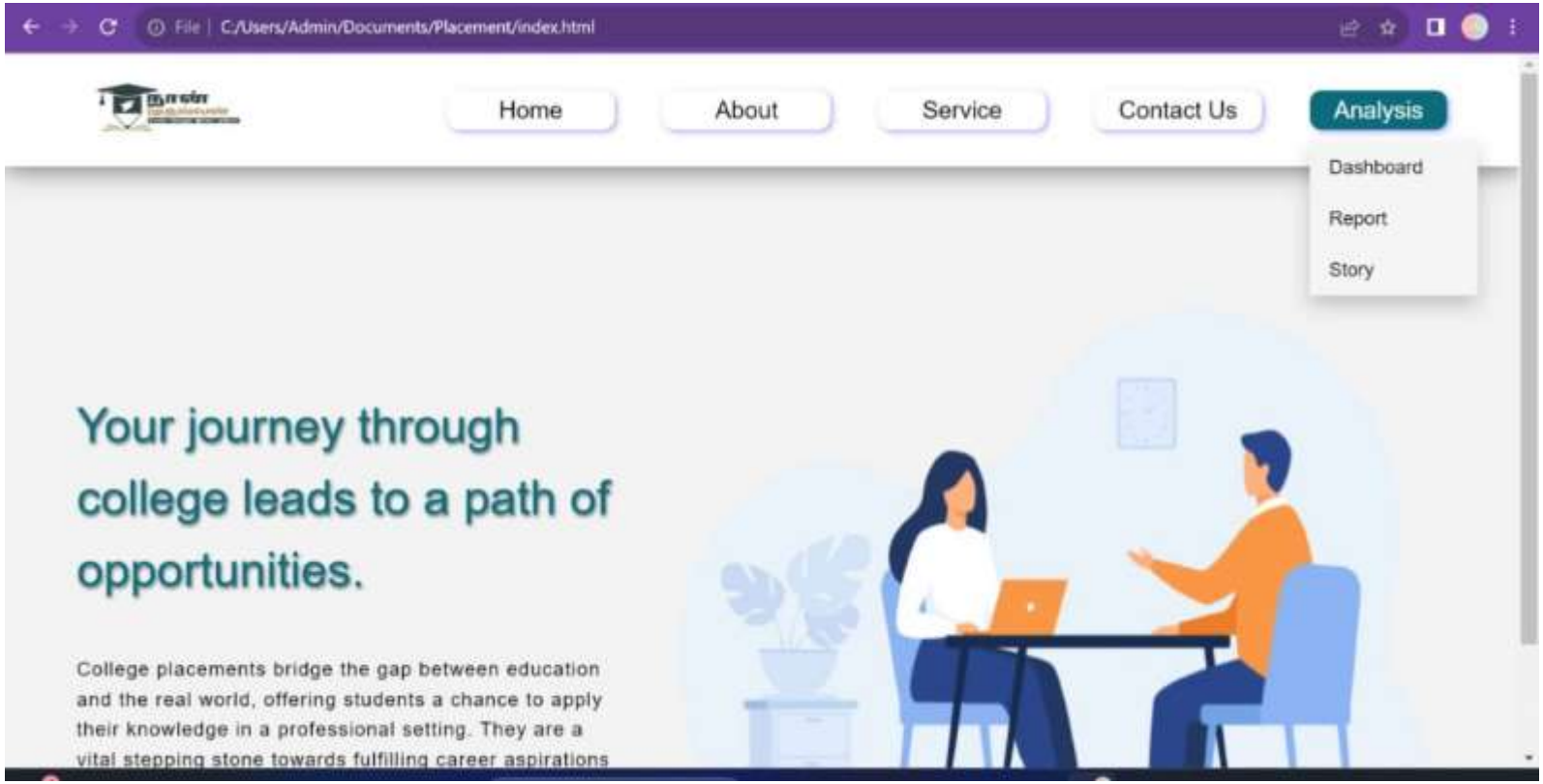
3.About : This segment provides insights into the website's services and includes statistics on factors such as the number of companies, users, and salary information.

4.Analysis Page : This section encompasses dashboards, reports, and narratives related to various companies. It includes information about their locations, maximum and minimum salaries, and job designations.

RESULT AND DISCUSSION



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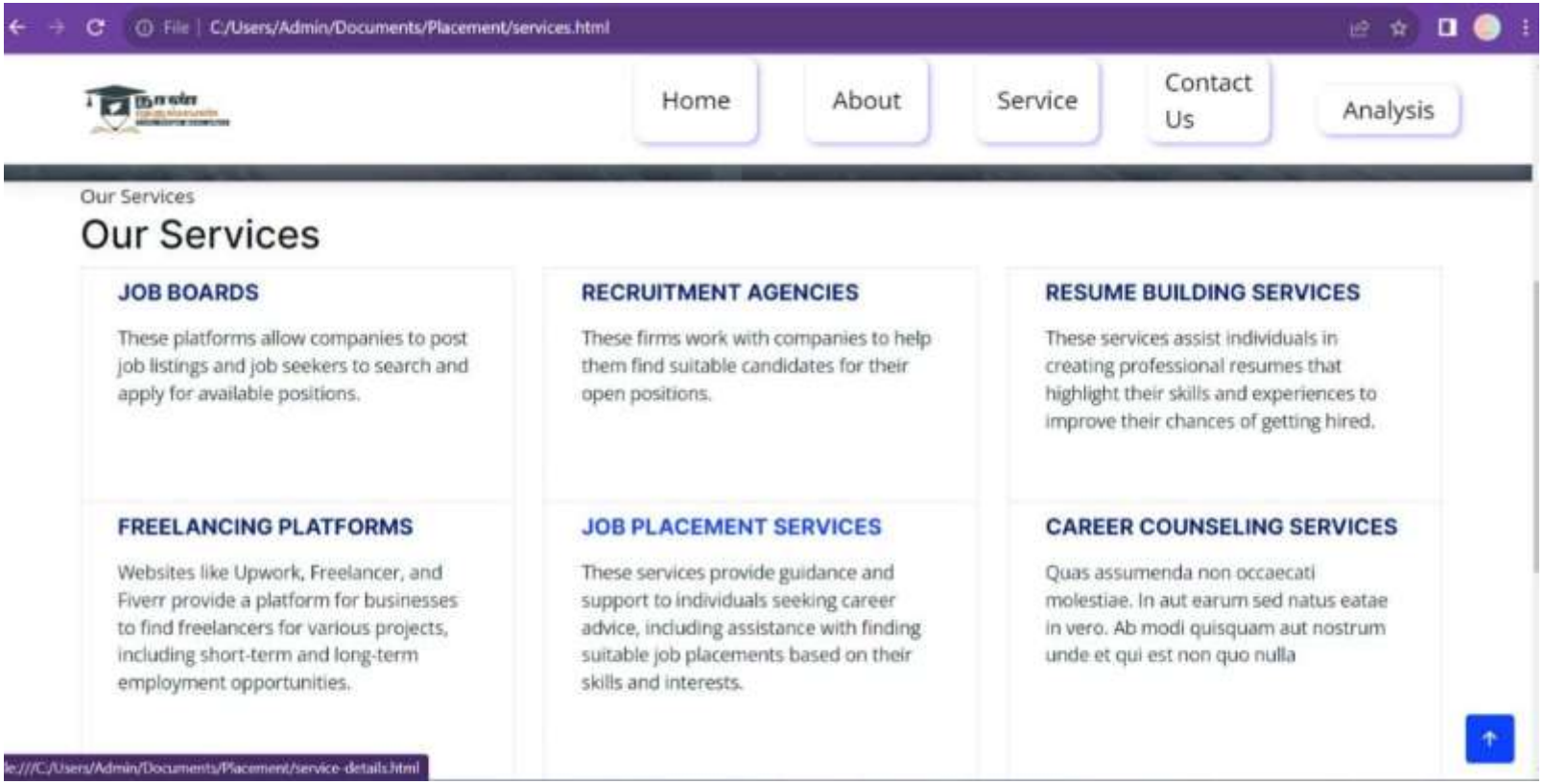
RESULT AND DISCUSSION



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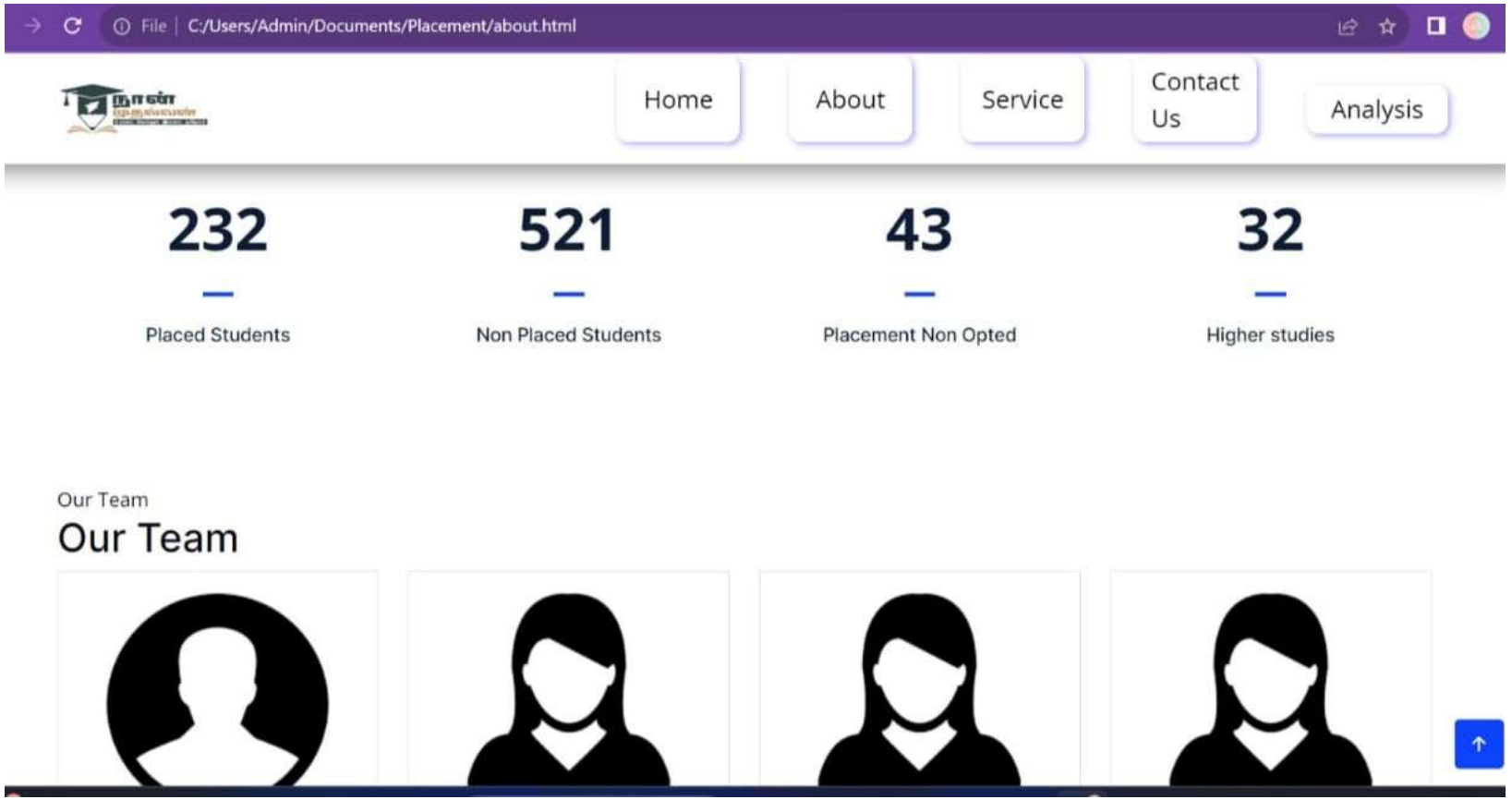

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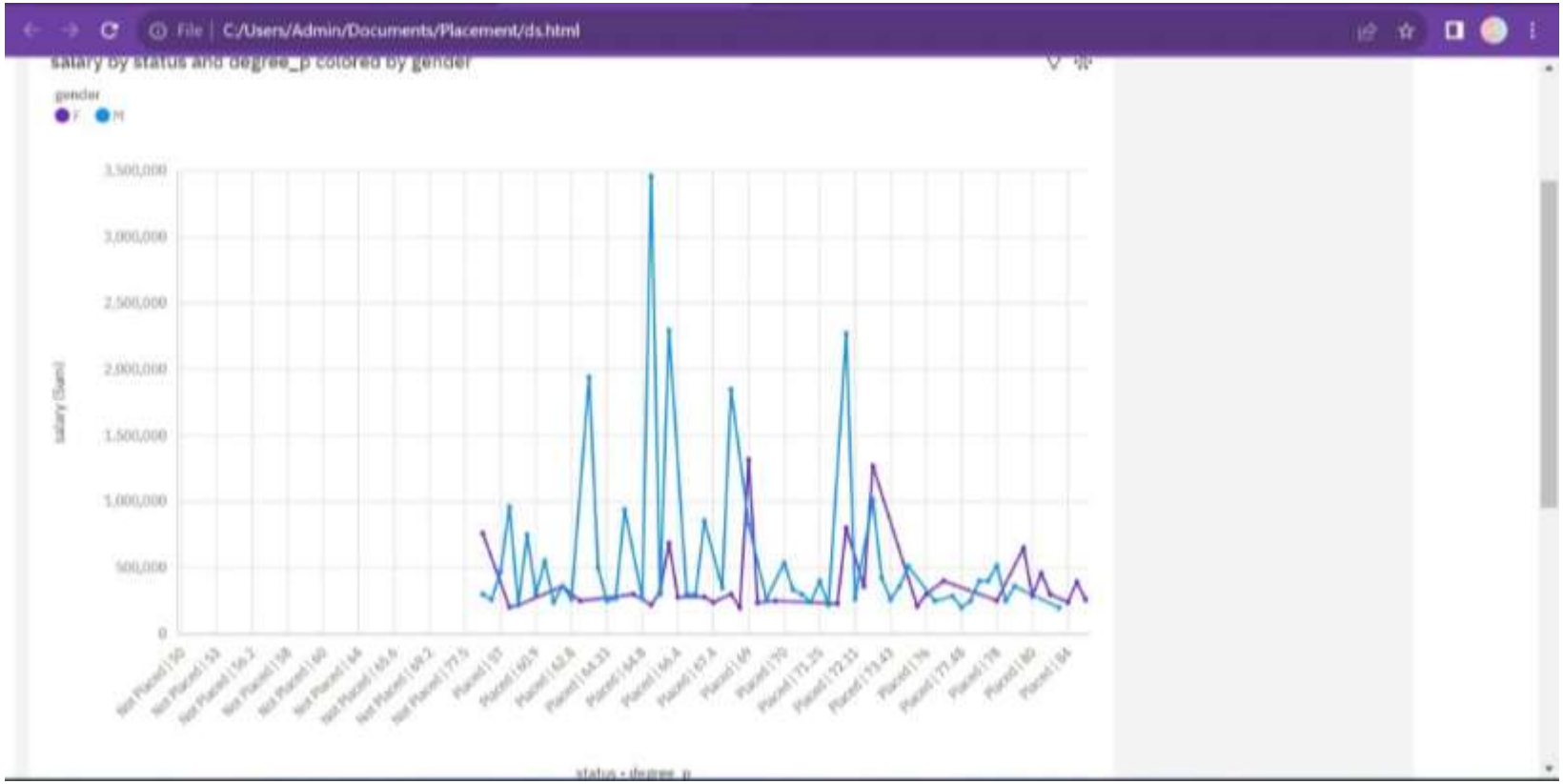

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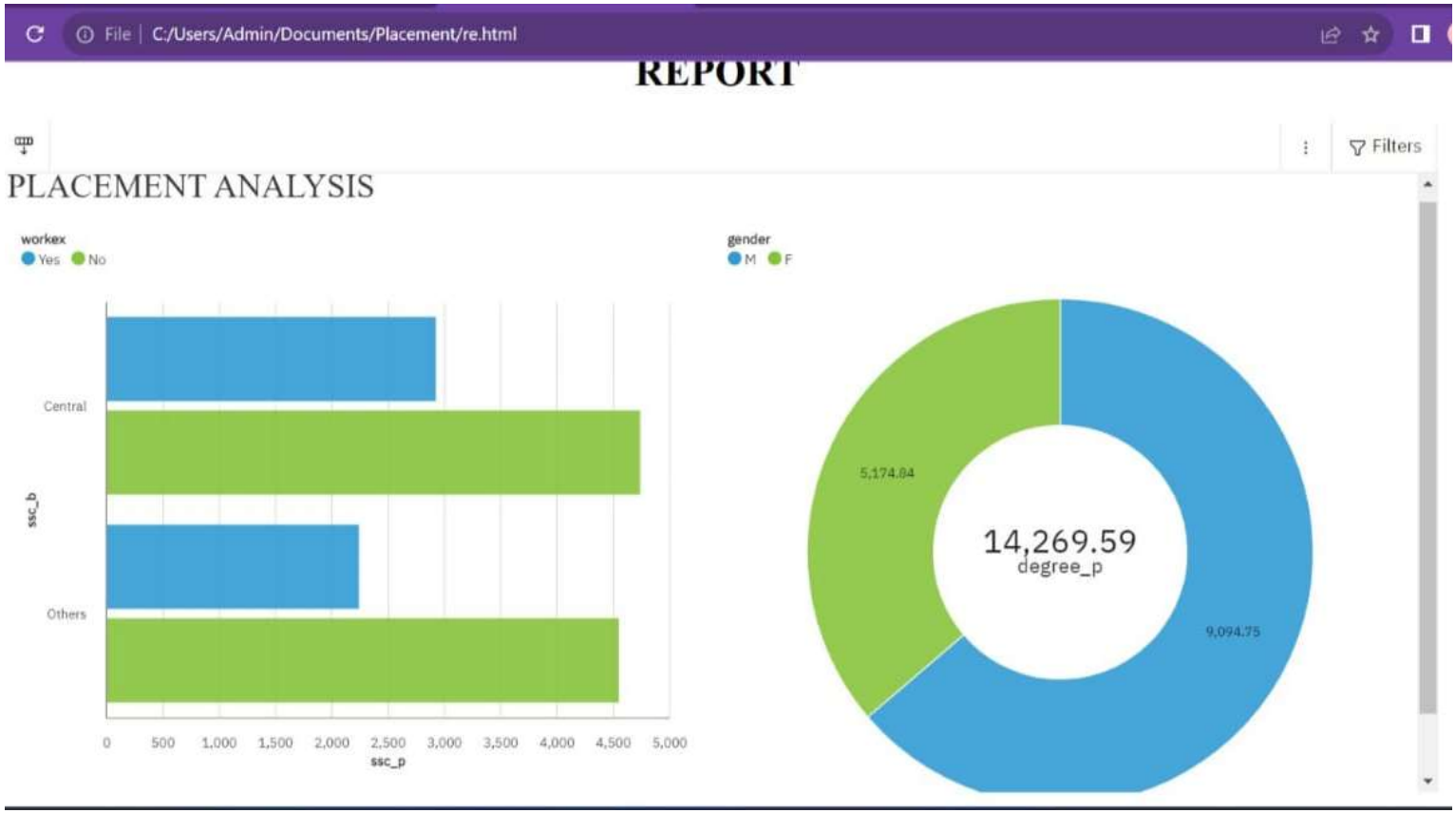
RESULT AND DISCUSSION



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RESULT AND DISCUSSION

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CONCLUSION

- In conclusion, Analytics tools offer students the ability to make informed decisions about their career paths by leveraging data-driven insights.
- The advantages of this tool is it offers insights into potential career paths, helping students navigate and plan for success in a competitive job market.
- Adaptive data analytics techniques ensure the system remains responsive to changing educational and job market dynamics, ensuring ongoing relevance and effectiveness.
- Placement analytics tools provide personalized guidance and data-driven decision-making, ensuring success in a dynamic job market.

FUTURE SCOPE

- In future continued research and development can improve the predictive accuracy of placement recommendations by refining algorithms and incorporating more extensive data sources.
- Integration with emerging technologies like augmented reality and virtual reality for immersive career exploration and skills development experiences.
- Creating personalized learning plans for students, incorporating online courses, certifications, and skill-gap resources identified by the tool.

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[3]Tripti Mishra, Dharminder Kumar, Sangeeta Gupta, "Students' employability prediction model through data mining" International journal of applied engineering research ISS0973-4562 volume 11.

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THANK YOU