**Graduate Project**

**COSC 5369**

**Title of the project**

JobReady Navigator: Straightforward Predictions for Student Placement Success

**Project Team**

| <name1> | <lamarID> | <email\_address> |
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**Supervising Professor**

<Name of the professor>

**Faculty Committee Members**

<Name of first member>

<Name of second member>

**Project Description**

"JobReady Navigator" is an innovative solution designed to streamline and enhance the student placement process. Leveraging comprehensive analysis and advanced machine learning algorithms, JobReady Navigator offers straightforward predictions for student placement success.

Our analysis delves into the entirety of the placement season, meticulously examining influential factors such as candidates' work experience, exam percentages, and current candidate status. Through in-depth examinations and visualizations of categorical datasets, we uncover valuable insights into campus placements.

Utilizing cutting-edge machine learning algorithms, we accurately forecast student placement success by considering a myriad of factors. From historical data to current trends, our predictive models ensure precise forecasting for optimal decision-making.

To facilitate accessibility and ease of use, we've developed a user-friendly web application using tools like Streamlit. With JobReady Navigator, navigating the complexities of student placement becomes a seamless and efficient process, empowering institutions and candidates alike to achieve their placement goals with confidence.

**Milestones**

Week 3:

* Submit project title and description to the instructor.

Week 4:

* Initiate data finding and collection process.
* Begin data reading and cleaning procedures.

Week 5:

* Focus on data preprocessing techniques.

Week 6:

* Continue refining data preprocessing methods.
* Conduct initial exploratory data analysis (EDA).

Week 7:

* Conduct in-depth exploratory data analysis.

Week 8:

* Implement feature engineering strategies.

Week 9:

* Commence model building phase.

Week 10:

* Evaluate models for accuracy and effectiveness.

Week 11:

* Develop user interface (UI).

Week 12-14:

* Project report and slides emailed to project committee for feedback.
* Day/time for presentation scheduled.