



# Project Proposal

CS 59000-13 Web Development (Spring '23)

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**Prepared by :**

Group 9

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# Table of Contents

## About

---

Project Description

Problem and Solution

Project Value

## Tech Stack

---

Front-end

Back-end

Database

Testing

Hosting and Deployment

Version Control

## Collaboration

---

Execution Plan

Team Members

# About

## University Dive (UniDive)



Our goal is to provide a detailed roadmap in order to help international and local students who are seeking higher education to get the most out of their experience at universities.

We intend to solve miscellaneous problems for students, from the very basic to the hard to get information about the university.

We plan to provide information regarding the university like statistics relevant to it, admission criteria, eligibility index, coursework, professors, research areas, course fee, estimated expenses, student forums, on-campus job opportunities, recreational activities, nearby eatables, grocery shopping availabilities, financial information like transferring currency and also critical information regarding the city/area that the university is located at.



It's a challenge for international students to cope with the changes and adapt to the new environment. These are not easy problems to overcome, and there is so much exploration to do in-order to know things.



Our website can be a one-stop solution for all students studying or wish to study at their university of choice

# Project Value

Being an international student ourselves, we can very much relate to the initial challenges faced while moving in.

Providing freshers with important and necessary information at the right time is our main goal. Due to time constraints, we are currently limited to selecting a handful of universities. The website will end up saving a humongous amount of time for students who are willing to move to the state of Indiana to study from all over the world. The website will also help the students to shortlist and zero in on the university they want to apply for upon weighing the pros and cons depending upon the information and services provided on our website.

Upon completion of the project, we expect to gain technical knowledge on new topics and brush up on our skills.

## Business Model Canvas

*A detailed visualization of our project plan*

### Key Partners

- Educational Institutions
- Local Vendors

### Key Activities

- Stay updated with latest developments

### Key Resources

- Relationship with institution and vendor networks

### Cost Structure

- Annual Domain Charges
- Cloud Services
- Software Licensing

### Value Proposition

- One stop solutions for all the novice questions
- Freemium Model
- Simple UI

### Customer Relationships

- Custom & Automated Newsletters
- C2C Support
- QnA Forums

### Channels

- Web Application

### Customer Segments

- Students

### Revenue Streams

- Google Ads
- Online Advertising
- Premium Subscriptions

# Tech Stack

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Activity	Technology
Front-End	React JS
Back-End	Django
Database	MySQL
Testing	Selenium
Hosting and Deployment	Jenkins
Hosting Service	Digital Ocean/Heroku
Version Control	Git

Since React and Django are flexible and simple, we plan to use them, along with MySQL, which is synonymous with relational databases. As we already have experience working with Selenium and Jenkins, these are our main choices. There are some credits leftover on the hosting platforms, so we decided to use them. Apparently Git is the most popular and that works well because everybody has used it at some point in their development line.

# Plan



## Frequency of meetings

Thrice a week.

## Means of Communication

In-person meetings and discussions.

## Collaboration Tools

Discord	Video Conferencing
Notion	Task Assignment
Trello	Management
Miro	Idea Board

# Team

1



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