**UMKC Campus Guidance**

**Team Members Information**

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| **Class ID** | **Name** |
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**Project Goal and Objectives:**

**Motivation:**

For new students, sometimes it becomes difficult to locate different buildings on campus. Our goal is to establish a way for students to upload their class schedules and get directions to the buildings that they have classes in.

**Significance of Project:**

Our application eases the transition of being a new student on campus by providing them with an easily navigable UMKC campus map, which directs students to correct buildings when they upload their class schedules.

**Scope Of Project:**

Create a web-based application that supports mobile layouts that utilizes the MEAN stack to scan a student’s schedule given on Pathway to convert an image into a google maps path based off of course dates and class location.

**Objectives of Project:**

A user should be able to accomplish the following objectives:

* + Upload their class schedule to and be able to view class locations
  + View a route to his or her classes
  + Open said route in Google Maps to follow its locational guidance

**System Features:**

The system would have the following characteristics:

* + Capture an image using a students phone or allow upload of an image
  + Getting the schedule from the provided image using computer vision
  + Converting the schedule into GPS coordinates of each UMKC building
  + Provide those GPS points to Google Maps to allow it to guide the student from their currently location to their class.

**Backup Idea:**

A personal assistant app similar to Google Assistant that provides key information about a user’s day at the start of that day. For example, it could provided the day’s weather, the user’s schedule, past notifications, notes, news, social media accounts, etc. All of this information would be provided in a simplified card view on the same screen and would be fetched by implementing various APIs. Potentially made as a cross-platform application using Flutter or a web app.