

# Habib University Map

## Group Members:

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## Description:

The aim of the project is to **map the Habib University** using mainly Graph Data Structure which we will then use in finding the shortest path, other possible paths and also the distance of the shortest path and the unit of distance taken would be footsteps. For implementing this idea, we will use the DIJSKTRA algorithm which we will then apply to find the shortest path between two points within the university. The virtual view and the GUI of the shortest path has been set as optional in the project.

## Techniques:

- Data Structures:
  - Graphs:
    - Dictionaries
    - Lists
    - Tuples
- Algorithms:
  - DIJSKTRA Algorithm

## Libraries:

- Math Library
- Turtle Library (Optional)