



# Course Planner for MEng-CSA Program

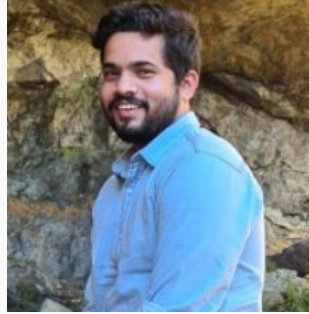
# OUR TEAM



**Suraj Mane**



**Dishang Valotia**



**Shreyas Joshi**




**Siva Vattikonda**



**Namrata Mali**



# Project Objective

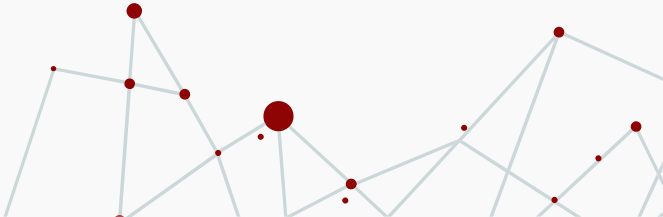


Develop a course planner for the Computer Science Master of Engineering (MEng-CSA) program which will help students to search and choose from a variety of courses offered to include in their Plan of Study (POS).



# Project Goals



- To help students plan their courses easily & efficiently, right from the start of their enrollment to the course.
  - Provide students option to search for courses offered in each semester & access to the syllabus of courses.
  - Draft the POS which satisfies all the MEng degree requirements.
  - Accelerate the process of POS verification with minimal efforts.
- 

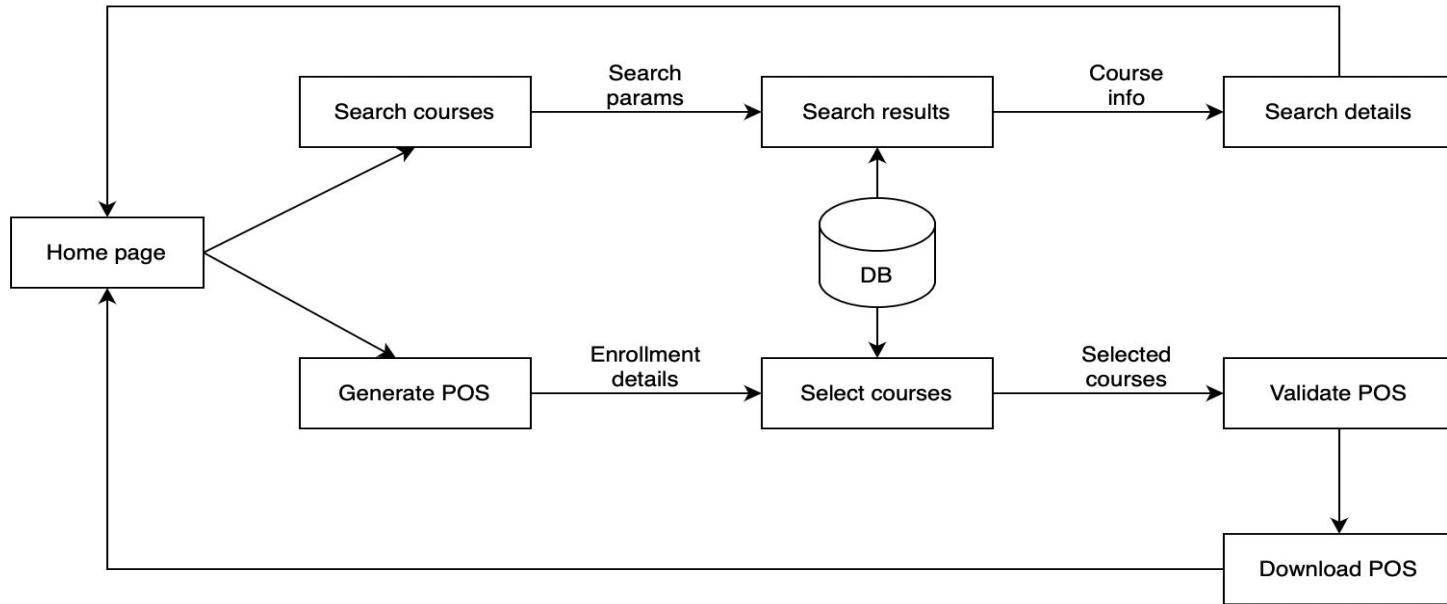
# Main Functions

- Search for various courses offered in each semesters
- View course syllabus
- Based on enrollment details, provide options for course selection
- Validate the POS
- Provide option to download POS

# IDEs & Tools Used

- Project Management & Issue Tracking - GitLab
- Web Scraping - Selenium
- Database - MySQL
- UX Designs - Figma
- Web Framework - Django, HTML, CSS, JS
- App Deployment - Docker

# Technical Details: Flow Diagram



# Difficulties Faced & action plans

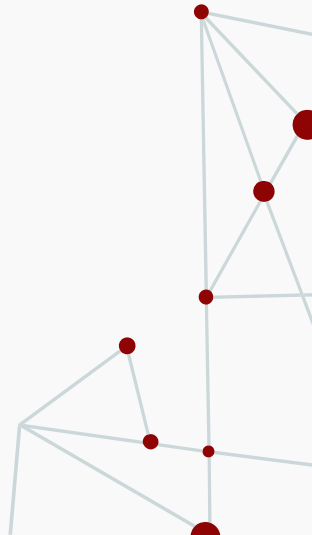
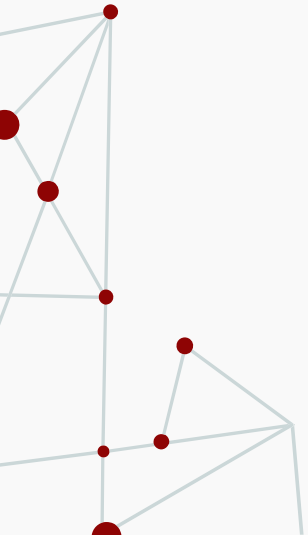
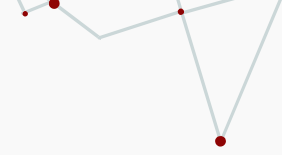
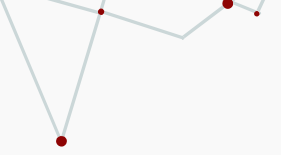
- Manual data gathering would be tedious. Used Selenium to automate it.
- Developing the UI took longer than expected which impacted stories in Sprint 2 and Sprint 3. We had to re-prioritize and re-estimate stories.
- Faced issues in making the app “Live”. Reached out to tech staff for support.



# Lessons Learned and Reflection

- The UI pages development could have started earlier so that we could focus on the business logic in the later sprints.
- Making the app “Live” required communication with a 3rd party. We should have started on this story sooner and not left it for the end.
- The team worked progressively more with each sprint even though the sprint capacity was almost the same in each sprint. We could have done a better job estimating the stories.

# Demo





The slide features decorative geometric patterns in the corners, consisting of light blue lines forming various shapes and triangles, with small red dots at the vertices.

# THANK YOU!

Questions ?