# CS213 – Software Systems Lab
# Project Proposal: VaxiN O'pandemic

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## 1 Introduction and Motivation

In these unprecedented times, we can't neglect the effects of the pandemic, and must speed up the process of vaccination. So, using our knowledge of Software Systems Lab, we decided to develop a portal to aid the drive.

## 2 Main Tasks and Goals

- Login and Sign-Up (via phone no.)

- Information and Awareness

- Statistics

- Map of Cases and Vaccine coverage

- Slot availability

    - Vaccine dose type
    - Age groups
    - Locations
    - If private, then fee

- Other Eligibility Criteria

- Certificate of Vaccination (Generation and download/ printable HTML page)

- ...and more, perhaps!

# 3  Justification

- HTML/CSS will be used in the website's display features.
- Javascript and PHP will be used to validate/process form input.
- SQL will be used to manage a database of the information.
- LaTeX and beamer will be used to maintain documentation and reports
- Python will be used for statistics.
- Git will be used for version control.