

Initial Team Description

Team #1

Team Members

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Project Name: Zoom plus⁺

Team Name: ZoomGuys

Project Synopsis:

A web application geared towards teaching individuals who wants to know check if their online students are paying attention or not

Project Description:

Zoom is widely used by instructors due to Covid-19. Although it has many features that instructors love, it is still lacking features that can be helpful to teachers and students. For one, it is difficult for instructors to gauge interest levels in class. This can be attributed to both the barriers of internet communication, as well as the distractions presented by being at home.

We are planning for Zoom plus⁺ to have more features that can aid instructors in checking if the students are listening to class and also provide statistics that could improve the learning experience.

The end result of the project of Zoom plus⁺ will be a web application that will utilize a machine learning model to detect the student's gaze, a scraping library to scrape the number of students and logins to zoom, automatic captioning during lectures and lastly to only allow students access to the zoom tab.

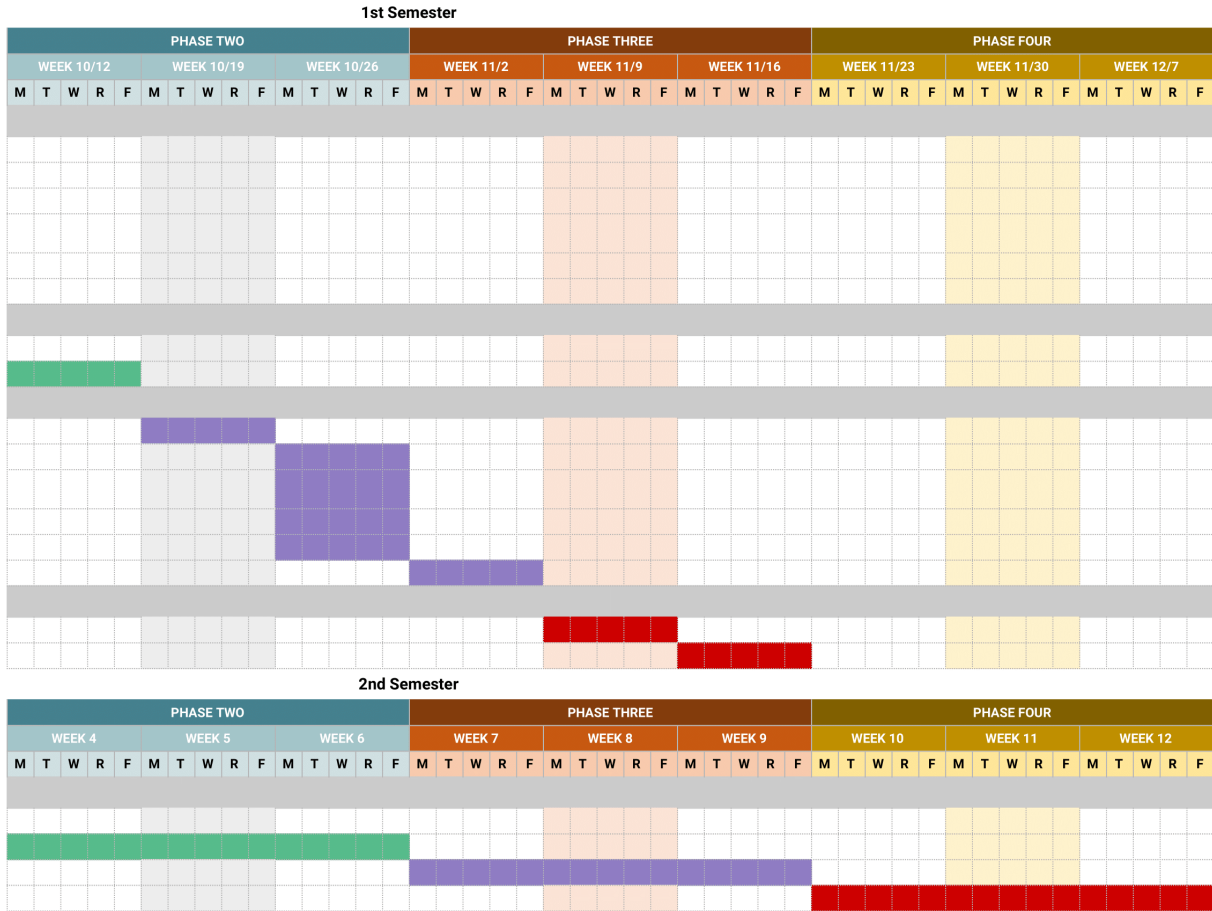
Project Milestones:

– 3-5 specific and measurable objectives per semester for first & second semester.

– Estimated completion date for each milestone.

– Both implementation and documentation milestones.

– Gantt Chart including who will do what



First Semester:

- Project Requirements/Plan (9/20/2020)
- Finish Researching Programming tools such as OpenCV, Dlib, Selenium, Flask, Twilio, Google’s text to speech api, 2captcha api (10/2/2020)
- Initial Project Description (10/5/2020)
- Project Proposal Report (10/26/2020)
- Documentation (No specific due date, we plan to document as we implement)

Second Semester:

- Front-end and back-end finish implementation (2/19/2021)
- Front-end and back-end integration (3/6/2021)

- Finish Testing (3/26/2021)

Project Budget:

– *Hardware, software, and/or computing resources*

– *Estimated cost – Vendor*

– *Special training (e.g., VR)*

– *When they will be required*

2Captcha (Online captcha solver API) to be used in first and second semester to used for automatic zoom login- \$1 per 1000 captcha solve