Team Productivity: Rev 0
Software Engineering

Team 21, Visionaries
Angela Zeng
Ann Shi
Ibrahim Sahi
Manan Sharma
Stanley Chen

This document summarizes the contributions of each team member for the Rev 0 Demo. The time period of interest is the time between the PoC demo and the Rev 0 demo; the contributions prior to the PoC are NOT included.

1 Demo Plans

We will be demonstrating our realtime data pipeline, realtime homography, and visualization of gaze data in real time. For the dashbaord, we will demonstrate the updated instructor dashboard, with session tracking and calculated instructor coordinates overlayed on the video feed.

2 Team Meeting Attendance

Student	**Meetings**
Total	5
Angela Zeng	4
Ann Shi	4
Manan Sharma	4
Ibrahim Sahi	4
Stanley Chen	4

3 Supervisor/Stakeholder Meeting Attendance

Supervisor's Name: Lauren Fink

Student	Meetings
Total	5
Angela Zeng	5
Ann Shi	5
Manan Sharma	4
Ibrahim Sahi	4
Stanley Chen	3

4 Lecture Attendance

Student	Lectures
Total	Num
Angela Zeng	1
Ann Shi	0
Manan Sharma	1
Ibrahim Sahi	0
Stanley Chen	0

5 TA Document Discussion Attendance

TA's Name: Lucas

Student	Meetings
Total	Num
Angela Zeng	0
Ann Shi	0
Manan Sharma	0
Ibrahim Sahi	0
Stanley Chen	0

6 Commits

Student	Commits	Percent	Lines Added	Lines Deleted
Total	224	100%	27929	8129
Angela Zeng	64	29%	7390	1367
Ann Shi	53	24%	2055	1683
Manan Sharma	50	22%	12805	575
Ibrahim Sahi	32	14%	1027	709
Stanley Chen	25	11%	1601	901

The number of commits made may not accurately depict the amount of work that has been done by each member. Work was done by Manan, Ann and Stanley on the realtime application of the project on a seperate unmerged branch of a seperate private repository (SocialEyes) made from our supervisors. 13 commits were made with a total of 208 additions and 56 deletions. Angela and Ibrahim worked on more of the research side of the project, gathering data and information of various computer vision libraries to help with the development of the project.

7 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Angela Zeng	41	15
Ann Shi	27	24
Manan Sharma	10	6
Ibrahim Sahi	2	1
Stanley Chen	8	6

8 CICD via GitHub Actions

The team currently uses GitHub Actions for automated LaTeX compilation. When documentation files in the `docs/` directory are modified on a push or pull request to the `main` branch, the workflow automatically compiles the changed `.tex` files to PDF and commits the generated PDFs back to the repository.

As outlined in the Development Plan, additional CI/CD pipelines for code linting (ESLint, Prettier, flake8), automated testing (PyTest for Python, Jest for React), and build verification are planned for implementation as the codebase matures. These pipelines will be configured to run on every pull request and block merges if any job fails.

Link to CICD YAML file:

- https://github.com/mansha71/CapstoneProject/blob/main/.github/workflows/buildtex.yml

9 Extras

As documented in the Problem Statement and confirmed with our supervisors, the team's extras are:

1. **Code Walkthrough Report**: A thorough documentation of the files and folders in the GitHub repository, intended to help future developers understand and build upon the project.
2. **User Instruction Video**: An instructional video demonstrating how to interact with the dashboard for each user role (e.g., instructor).

These extras remain appropriate for the project. The Code Walkthrough Report aligns well with the modular architecture we've developed (12 modules across hardware-hiding, behaviour-hiding, and software decision layers), and will be valuable for onboarding future contributors to the SocialEyes-based system. The User Instruction Video supports the instructor-facing dashboard, which is a core deliverable. No modifications to the extras plan are recommended at this time.

10 Team Charter Trigger Items

The team established clear triggers to maintain accountability and progress. Members are expected to attend one tutorial meeting and one additional weekly meeting, with a 10-minute grace period for lateness. Missing meetings without prior notice or a valid excuse is considered a violation. Tasks are expected to be completed by agreed-upon deadlines, and consistently late or incomplete work triggers follow-up and workload redistribution. Repeated lack of participation, poor-quality work, or uncooperative behavior are also treated as trigger conditions that require team discussion and, if needed, escalation to course staff.

Here are some of the violations that were noted:

- Minor punctuality issues occurred occasionally, with some team members arriving late to meetings.
- A small number of tasks were submitted past their deadlines due to scheduling or workload constraints.

To address these issues, the team created a dedicated Discord channel to clearly communicate deadlines and emphasize timely submissions. For punctuality, we agreed that occasional violations of the 10-minute grace period are acceptable, provided they do not become a recurring pattern.

11 Additional Productivity Metrics

Student	**Authored (O+C)**	**Assigned (C only)**
Angela Zeng	39	23
Ann Shi	27	3
Manan Sharma	24	2
Ibrahim Sahi	12	2
Stanley Chen	15	10