Team Contributions: POC
Software Engineering

Team 13, Speech Buddies
Mazen Youssef
Rawan Mahdi
Luna Aljammal
Kelvin Yu

This document summarizes the contributions of each team member up to the POC Demo. The time period of interest is the time between the beginning of the term and the POC demo.

1 Demo Plans

For the POC Demo, we will be demonstrating the following results of our analysis and experimentation, as described in the Development Plan document:

1. The word error rate (WER) on the highest accuracy open source ASR models (Whisper/Whisper-small, Wav2Vec, etc.)
2. An improved accuracy (decreased WER) proportional to some % of training - considering the machine learning scaling laws, this will give us an accurate approximation of what the model accuracy will be after training on the full dataset.
3. A demonstration of how preprocessing the dysarthric speech data may improve the model's transcription accuracy (may be demoed on tuned or un-tuned models)
4. A full training workflow plan, describing the resources and techniques we will adopt to handle the large amount of training parameters, training data, and need for high performance compute.

2 Team Meeting Attendance

Student	Meetings
Total	11
Kelvin Yu	10
Luna Aljammal	10
Mazen Youssef	11
Rawan Mahdi	11

3 Supervisor/Stakeholder Meeting Attendance

Student	Meetings
Total	6
Kelvin Yu	6
Luna Aljammal	6
Mazen Youssef	6
Rawan Mahdi	6

4 Lecture Attendance

Student	Lectures
Total	10
Kelvin Yu	5
Luna Aljammal	5
Mazen Youssef	5
Rawan Mahdi	5

Our team coordinated lecture attendance by alternating members to ensure that at least two members attended each session and took notes to share with the rest of the group. This approach allowed us to stay consistent despite midterms and other scheduling constraints. We missed three lectures in total due to overlapping supervisor meetings, which were the only times that worked for our supervisor. For these sessions, we reviewed the lecture slides and materials afterward to remain aligned with course content. Outside of these instances, attendance and lecture content were regularly communicated through our group chat and weekly meetings, ensuring all members remained informed and up to date.

5 TA Document Discussion Attendance

[For each team member how many of the informal document discussion meetings with the TA were attended over the time period of interest. —SS]
TA's Name: [fill in this information]

Student	Lectures
Total	Num
Name 1	Num
Name 2	Num
Name 3	Num
Name 4	Num
Name 5	Num

[If needed, an explanation for the attendance can be provided here. —SS]

6 Commits

[For each team member how many commits to the main branch have been made over the time period of interest. The total is the total number of commits for the entire team since the beginning of the term. The percentage is the percentage of the total commits made by each team member. —SS]

Student	Commits	Percent
Total	Num	100%
Name 1	Num	%
Name 2	Num	%
Name 3	Num	%
Name 4	Num	%
Name 5	Num	%

[If needed, an explanation for the counts can be provided here. For instance, if a team member has more commits to unmerged branches, these numbers can be provided here. If multiple people contribute to a commit, git allows for multi-author commits. —SS]

7 Issue Tracker

[For each team member how many issues have they authored (including open and closed issues (O+C)) and how many have they been assigned (only counting closed issues (C only)) over the time period of interest. —SS]

Student	Authored (O+C)	Assigned (C only)
Name 1	Num	Num
Name 2	Num	Num
Name 3	Num	Num
Name 4	Num	Num
Name 5	Num	Num

[If needed, an explanation for the counts can be provided here. —SS]

8 CICD

[Say how CICD will be used in your project —SS]

9 Team Charter Trigger Items

[Provide a summary of the quantified triggers identified in the team's charter. —SS]

[Provide a list of any violations of the triggers. If the team wishes, the violations can be summarized on aggregate, instead of naming specific team members. —SS]

[Provide a plan to address the violations. This could include revising the triggers, if they are found to be too weak, strong or ambiguous. —SS]

10 Additional Productivity Metrics

[If your team has additional metrics of productivity, please feel free to add them to this report. —SS]