Meeting #6

Date: 12/09/2018

Participants:

- Supervisor - Dr Asef Nazari
- Shadow Supervisor - Dr Shamsul Huda
- Team Lead - Akhil Peddineni
- Product owner - Tharini Hasara Manawadu De Silva
- Designer - Sushma Devabattini
- Frontend Developer 1 - Modi Parth Dinesh
- Frontend Developer 2 - Kunal Dhariwal
- Backend Developer - Predit Regmi

Agenda:

- Point of Discussion1: Discuss about work done in previous week.
- Point of Discussion 2: Discuss about each group member's individual work.
- Point of Discussion 3: Discuss about the current state of the project.
- Point of Discussion 4: Discuss about the problems and challenges faced in the process of work.
- Points of Discussion 5: Discuss about the solution to the challenges.
- Point of Discussion 6: Discuss about each group member's future work.
- Point of Discussion 7: Discuss about the future goals of the project.
- Point of Discussion 8: Decide a date for the next meeting.

Action Items from Last Meeting (05/09/2018):

TASK	ASSIGNEE	DEADLINE	COMPLETED OR NOT COMPLETED
Data Processing 1. Decomposing the collected data. 2. Removed the noisy data. 3. Classification and categorization of data. – Food, crop, calories, fruits, vegetables etc. 4. Framing questions for responses.	Akhil Peddineni and Sushma	12/09/2018	Completed
Speech Analysis 1. Work on the alternative approach to speech-text	Tharini Hasara Manawadu De Silva	12/09/2018	Completed

programming and algorithms. 2. Further modification to current work. 3. Integration 4. Speech to text analyis			
Text Analysis 1. To help to predit's approach. 2. To work on the alternative approach. 3. Coding - Python	Parth Modi and Kunal Dhariwal	12/09/2018	Completed
Configuration 1. Resolve problems being faced. 2. Work on solutions to current challenges. 3. Connecting Database 4. Work on functional prototype.	Predit Regmi	12/09/2018	Completed

Minutes:

1. What happened in last week:
   - Gathered various food related data for input.
   - Checked whether the data is sufficient and if not collecting more data.
   - Worked on an alternative for speech-to-text recognition.
   - Generated an algorithm for text analysis.
   - Connected speech –to-text algorithm and performed testing.
   - Connected the Chat-bot with google assistant.
   - Configured the Chat-bot with the data.

2. Current state of the project
   - Collected data that is sufficient for the project.
   - Removed the noisy data from the data collected.
   - Classified and categorised the data.
   - Framed questions for chat-bot responses.
   - Done Speech-to-text analysis.
   - Working on Integration.
   - Working on Text analysis and other suggested approaches.
   - Working on algorithm and python code.
   - Connected the database.
   - Built a functional prototype.

- Started testing the prototype

3. Task Distribution
   - Data Processing – Akhil Peddineni and Sushma Devabattini
   - Speech Recognition – Tharini Hasara Manawadu De Silva
   - Text Analysis and Mining – Parth Modi and Kunal Dhariwal
   - Configuration and testing – Predit Regmi and Team members
   - Documentation and Presentation – Sushma Devabattini and Tharini

4. Future goals of project
   - Discussed about further progress in work of each individual.
   - Discussed about the problems and challenges.
   - Discussed about the feasible solutions for the problems and challenges.
   - Discussed to work on alternative approaches.
   - Discussed about the ways to enhance the function and Performance of the final deliverable.

5. Feedback:
   - To maintain the consistency and progress in work and performance.
   - Good webpage design
   - Chat-bot functioning at a good level.

6. Suggestions and Advices:
   - To work on text mining and other text processing techniques such as inverse document etc.
   - To work with keyword and rule based approaches
   - To check with project deliverables and client requirements.
   - To work with question answering system for the Chat-bot.
7. Next Meeting
   - The next meeting will be held on 19th September, 2018.

Decisions:

Decision Item	Decision	Decision Maker
Problem Solving	To work on solutions to problems.	Supervisor
Text Mining	To work on text mining and other text processing techniques	Supervisor and Shadow Supervisor
Flow Charts	To design flow chart for the system and for various feasible solutions.	Shadow Supervisor
Architecture	To Demonstrate an architecture for the project.	Supervisor

Action Items for commencing week (19/09/2018)

TASK	ASSIGNEE	DEADLINE
Formatting and contribution to predit	Akhil Peddineni	19/09/2018
Integration of web application and help to presentation, documentation.	Tharini Hasara Manawadu De Silva	19/09/2018
Testing, Documentation, Presentation and Contribution as a helping hand to other Team members.	Sushma Devabattini	19/09/2018
Work on Text mining and suggested approaches and techniques	Parth and Kunal	19/09/2018
Extensive Testing and Resolving problems	Predit Regmi	19/09/2018

Previous Meeting Minutes

Meeting #5
Date: 05/09/2018

Participants:
- Supervisor - Dr Asef Nazari
- Shadow Supervisor - Dr Shamsul Huda
- Team Lead - Akhil Peddineni
- Product owner - Tharini Hasara Manawadu De Silva
- Designer - Sushma Devabattini
- Frontend Developer 1 - Modi Parth Dinesh
- Frontend Developer 2 - Kunal Dhariwal
- Backend Developer - Predit Regmi

Agenda:

- Point of Discussion 1: Discuss about what happened from last week.
- Point of Discussion 4: Discuss about current state of the project.
- Point of Discussion 5: Discuss about each group member's roles and work.
- Point of Discussion 6: Discuss about the project progress.
- Point of Discussion 7: Discuss about Future project goals and directions.
- Point of Discussion 8: Discuss about the date of the next meeting.

Action Items from Last Meeting (29/08/2018):

TASK	ASSIGNEE	DEADLINE	COMPLETED OR NOT COMPLETED
Data Collection	Akhil Peddineni and Sushma Devabattini	05/09/2018	Completed
Project Documentation	Tharini Hasara Manawadu De Silva and Sushma Devabattini	05/09/2018	Completed
Speech Analysis and Speech recognition	Tharini Hasara Manawadu De Silva	05/09/2018	Completed
Building Text Analysis algorithm	Parth Modi and Kunal Dhariwal	05/09/2018	Completed
Configuration of Raspberry pi and google voice kit	Predit Regmi	05/09/2018	Completed

Minutes:

1. **What happened in last week:**
   - Collected all food related data that meets client requirements.
   - Documenting requirements (Project scope doc, Project Diary Doc, IP agreement, Web site designing, PPT, Sprint increment)
   - Web site designing which contains project details.
   - Worked on Raspberry Pi Google AIY Voice Kit
   - Configuring Raspberry Pi Google AIY Voice Kit to run basic functionalities.

2. **Current state of the project:**
   a. **Data collection and processing:**
      - Collected more relevant data.
      - Removing noisy data
   b. **Text analysis algorithm.**
      - Working on SVM classification.
      - Working on a different approach for text analysis.
      - Working on keyword based search method.
      - Eliminating common words – is, am ,a ,an etc
      - Connecting speech to text algorithm.
   c. **Speech recognition.**
      - Working on speech-to-text analysis.
      - Utilizing python as programming language.
      - Found an alternative API to google API to work on Speech-to-text analysis.
      - Making modifications in work.
   d. **Configuration**
      - Configured the Raspberry pi google voice kit.
      - Voice kit is able to give responses on agriculture related data.

3. **Task Distribution:**
   - Data Collection and Processing – Akhil Peddineni and Sushma Devabattini
   - Speech Analysis – Tharini Hasara Manawadu De Silva
   - Text Analysis – Parth Modi and Kunal Dhariwal
   - Configuration – Predit Regmi

4. **Future project goals and directions.**
   - Discussed about how far the group can meet client requirements and confidence level of group in building a solution to the problem
   - Discussed about the feasible solutions to challenges facing in the process of achieving the target goal (individually and as a group).
   - Discussed about the performance of the final deliverable and estimated percentage of work completion.

5. **Feedback**
   - Good Progress in work from last week.
   - Good Presentation.
   - Suggestions and advices.
   - Good webpage design.

6. Next Meeting:
- The next meeting will be held on 12th September,2018.

Decisions:

Decision Item	Decision	Decision Maker
Resolving challenges and Problem solving	To work on resolving the challenges and solving problems and difficulties in project work.	Supervisor
Webpage Development	To add more content /information in web page and include images.	Supervisor
Copyrights and Licence	To Check with client regarding copyrights and necessary licences.	Shadow Supervisor
Team work	Team members to work together and help each other in achieving target goals.	Supervisor

Action items for commencing week (12/09/2018):

TASK	ASSIGNEE	DEADLINE
Data Processing 1. Data Collection. 2. Iteration for appropriate data. 3. Remove noisy data.	Akhil Peddineni and Sushma Devabattini	12/09/2018
Speech Analysis 1. Using alternative API for speech recognition 2. Convert speech to text 3. Convert text to Speech	Tharini Hasara Manawadu De Silva	12/09/2018
Text Analysis 1. Generating algorithm for finding in keywords. 2. Check whether the algorithm is working for the data. 3. Connecting speech to text algorithm.	Parth Modi and Kunal Dhariwal	12/09/2018
Configuration	Predit Regmi	12/09/2018

1. Connect Chat-bot with google API. 2. Configure data to the Chat-bot.		