| **FACTS** | **IDEAS** | **LEARNING ISSUES** | **ACTION** | **DATELINE** |
| --- | --- | --- | --- | --- |
| What we know about the task | What do we need to find out? | | Who is going to do it? |  |
| DTW algorithm  Speech emotion recognition from voice input | Read through Lean UX book by Josh Seiden | | Karishma Patel | 16-01-2022 |
| Search for UX tools | | Karishma Patel | 19-01-2022 |
| Analyze UX tools | | Karishma Patel | 19-01-2022 |
| Confirm a UX tool | | Karishma Patel | 19-01-2022 |
| Learn some basic knowledge of Python and understand the functions that can be used in the project from the Internet | | [Licheng Xu](mailto:s2011558@siswa.um.edu.my) | 12-01-2022 |
| Research on DTW algorithm and share it in the knowledge share folder | | [Licheng Xu](mailto:s2011558@siswa.um.edu.my) | 15-01-2022 |
| Write python code that uses DTW algorithm to identify users’ speech emotions, and report the results to team members | | [Licheng Xu](mailto:s2011558@siswa.um.edu.my) | 16-01-2022 |
| Fixed bugs (defects when displaying GIF) | | Wong Chun Seng | 13-01-2022 |
| Build a machine learning model for Speech Emotion Recognition:  -Extract features: mfcc, mel, chroma  -Load data from dataset  -Train and test  -Predict | | Wong Chun Seng | 16-01-2022 |
| Update Sprint burndown backlog & Release burndown backlog | | Wong Chun Seng | 17-01-2022 |
| Integrate the code (Display GIF & Speech Emotion Recognition function) | | Wong Chun Seng | 17-01-2022 |
| Speech recognition algorithm – basic understanding | | Aishwarya Sundaram | 13-01-2022 |
| Modularize speech emotion recognition module into simple sub tasks | | Aishwarya Sundaram | 14-01-2022 |
| Python simple voice emotion recognition:   * Print the designed surprise cat GIF * Print EMOJIS * Voice to Text converter   + Record an audio   + Convert to wav format from mp4a   + Upload and extract words from recorded audio * Text to emotion converter   + The words in the recorded audio are saved in text and sent for emotion identification   + The emotions are predicted correctly | | Aishwarya Sundaram | 16-01-2022 |
| Go through “dtw” python algorithm package documentation | | Aishwarya Sundaram | 15-01-2022 |
| DTW algorithm implementation for numbers and voices to have a basic understanding of usage of functions in dtw python package | | Aishwarya Sundaram | 16-01-2022 |
| DTW implementation for speech emotion recognition | | Aishwarya Sundaram | 16-01-2022 |
| Fixing errors faced during DTW implementation for speech emotion recognition | | Aishwarya Sundaram | 19-01-2022 |
| Go through SCIKIT LEATN ML model documentation and librosa | | Aishwarya Sundaram | 15-01-2022 |
| SCIKIT LEARN ML algorithm for speech emotion recognition using dynamic voice input | | Aishwarya Sundaram | 16-01-2022 |
| Scrum master activities | | Aishwarya Sundaram | 19-Jan-2022 |
| Upload google drive documents into GITHUB | | Aishwarya Sundaram | 19-Jan-2022 |
| Document the analysis and tasks done by self for week3 and upload in knowledge sharing folder | | Aishwarya Sundaram | 18-Jan-2022 |