**PARTICIPATION REPORT**

**GROUP NO.: Group 1**

**COURSE TITLE: AIGS 1003 Machine Learning**

**PROJECT TITLE: Say My Name Project**

**GROUP MEMBERS AND CONTRIBUTIONS**

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| --- | --- | --- | --- |
| **S/N** | **NAME** | **CONTRIBUTIONS** | **% (0 – 100)** |
| 1 | Neha Parveen Mohammed | 1. Worked on identifying the proper libraries for phonetics - implemented the code using eng-to-ipa initially but later modified to g2p. 2. Implementing the python code for connecting to the database (excel) and displaying the phonetics if the student ID already exists and if it does not, then updating the database. 3. Implemented the text to speech library to speak out the phonetics 4. Did R&D on integration. | 100% |
| 2 | Olabode Aremu | 1. Worked on research of library during backend development. 2. Worked on initial API development for integration. 3. Literature review in the initial presentation. 4. Manual testing of the backend (InProgress) 5. Contribution towards PowerPoint Presentation. | 90% |
| 3 | Sonali Jammichedu | 1. I did a thorough research on libraries suitable for text-to-speech conversion(pyttsx3), excel file handling (openpyxl),grapheme-to-phoneme conversion(g2p-en). 2. Implementing the g2p code using "g2p\_en" library which involves initializing the library, iterating through student names and generating phonetic spellings. 3. Did a research on integrating UI and recommended to use RESTFUL API for integration. | 95% |
| 4 | Vennila | 1. Worked on Objectives for Progress report. 2. Research on Speech synthesis to add voice feature which repeats the name. 3. Front end manual testing. 4. Presentation slides. 5. Implemented text to speech feature using speech synthesis | 100% |
| 5 | Sana Naseem | 1. Developed the user interface using Angular, Typescript and JavaScript. 2. Integrated backend and front-end using flask. 3. Worked on Research and Development of various libraries that best suits the application. 4. Troubleshooting simple and complex issues during development and integration. 5. Worked on the project report. | 100% |