**Project Name:**

**Minutes Of Meeting (MOM) Record**

**(Speech to Text Convertor)**

* **Project Initiators & Partners**
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* **Project Overview**

Create an application that allow the user to convert speech to organized text during a meeting. Such application will assist to record meeting minutes during the discussion as it happened without missing any points of the discussion during the meeting.

The application shall help in record all meeting participants discussion and recognized the source. At the end, converted speech to Text should puplished as organized Minutes Of Meeting (MOM) as official document for unit function record.

* **Project Objective**

Create an application that to convert speech to text from different voices.

* 1. Application should record the discussion during a meeting and convert them to sequence minutes.
  2. The application shall recognize different voice sources and assigned them accordingly to user name as it happened live (ex. Person 1, Person 2, Person 3… etc.)
  3. Organized the converted “Text” to a provided template of Minutes Of Meeting (MOM) in MS Word format “.docx or .doc”.
     1. Phase I will focus only to use English as language of the meeting.
     2. Phase II possibility to add additional languages (United Nation formal Languages).
     3. Phase III introduce interruption of different languages during the discussion.
* **Requirements / Task(s)**

1. Search of any similar application that ever coded.
2. List of required Python’s libraries that required to programming.
3. Train the application using Google Speech to Text module.
4. Converted text should be in accurate sequence.
5. Train the application to recognize different voice sources and assigned them accordingly to user name as it happened live (ex. Person 1, Person 2, Person 3… etc.)
6. Store converted “Text” to a provided template of Minutes Of Meeting (MOM) in MS Word format “.docx or .doc”.
7. Using Languages:
   1. Phase I will focus only to use English as language of the meeting.
   2. Phase II possibility to add additional languages (United Nation Formal Languages).
   3. Phase III introduce recording of interruption of different languages during the meeting.

* **Record your note / research here**

To fill during the project

* **Possible Data Sources**
* Recorded “Live” meeting.
* Google
* Any of Voice files from different sources (Ex. YouTube…)
* **Possible Technical ways to achieve the results**
* Convert recorded conversation to text format using as a best module Google.
* Train the application to ignore not need word or stop-words like: Hmmm, Yah, Mmmm…
* Train the application to recognize the different voice tone and sources and recognize as new user.
* Train the application to fill the converted text to a specific location in the provided Word Template.
* **Transfer Learning Application**

(Yes)

This application can be used in wiled business domain which will assist to accelerate publishing the Minutes of Meeting (MOM) accurate without missing any discussed points and in short due time. Not Only this, but it will help also converting any dialogue during investigation into police stations or trial sessions or even in human resources sessions, for example.

* **Summarize what you learned**

To fill during the project

* **Add link to your research or article here**

To fill during the project

* **Phases Structure and versions**

|  |  |
| --- | --- |
| **Phase I: Kickstart** | **Due date: 31st March, 2019** |
| No coding in this phase | **Completed** |
| Information collection about the project | In Progress |
| Analysis of the techniques used for achieving similar results by others | In Progress |
| Data source identification 5-10 sources | In Progress |
| Is transfer learning applicable for our projects – if YES then which model & collect some information about the model | In Progress |
| Write article on this with some images, publish it on linkedIn/Medium | In Progress |
| **Phase II (Dirty Model)** | **Due date: 15th April, 2019** |
| Create a GitHub repository for project |  |
| Build the end to end model without worrying about accuracy |  |
| **Phase III (Improvement)** | **Due date: 24th April, 2019** |
|  |  |
| **Phase IV (Wrap-up & Deploy)** | **Due Date: 30th April, 2019** |
|  |  |

* **March – April Calendar**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sun** | **Mon** | **Tus** | **Wed** | **The** | **Fri** | **Sat** |
| **March** | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| **31** | 1 | 2 | 3 | 4 | 5 | 6 |
| **April** |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | **15** | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | **24** | 25 | 26 | 27 |
| 28 | 29 | **30** |  |  |  |  |