

Jaypee University of Engineering & Technology, Guna (MP)

Department of Computer Science & Engineering

Major Project Part- 2 (18B19CI891)

BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 4

Duration: From date...29 Jan 2024... to date...03 Feb 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: Completed research about current products similar to this available in market and listed their features and what they lack and how they can be improved. Moreover, look for ways to develop a desktop application using python.

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 5

Duration: From date...12 Feb 2024 to date...17 Feb 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I was focused on deducing and finalizing the scope and needs of the project.

I've achieved the following

- Finalize project scope and timeline.
- Identify potential challenges and risks.

Doc link:

<https://docs.google.com/document/d/1p0E9pzSm7uPedinWl9u4Jkq739gJbcuA4e1iPF2Y1J4/edit?usp=sharing>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 6

Duration: From date...19 Feb 2024 to date...24 Feb 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I've completed the system architecture to define a flow on how to proceed for real time voice translation.

I've achieved the following

- Thorough System architecture with design flow.
- Identify tools and methods to achieve real-time voice translation.

System Arch link: <https://whimsical.com/sonus-Ei7mKBe9HmR5stf6dYnHqb>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 7

Duration: From date...26 Feb 2024 to date...2 Mar 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I've started working on the project and composing the main and setup file. Alongside searched for few videos to learn for ways to create a desktop application using python.

I've achieved the following

- Configured setup file and installed dependencies.
- Found means and tutorials to create a desktop application.

Link: N/A

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 8

Duration: From date...4 Mar 2024 to date...9 Mar 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I've started working on the project and writing the program which takes real time voice input and converts into text. I've achieved the following

- Take real time voice inputs and converts into text
- Figuring out methods and flows to ask user for voice input and creating tkinter for the same.

Link: <https://github.com/tknishh/sonus>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 9

Duration: From date...11 Mar 2024 to date...16 Mar 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous 3 week, I've completed the basic desktop python app development and created a real-time voice translator. Added support to some Indian regional languages and some standard National languages like Japanese, English, Spanish.

I've achieved the following

- Created a functional python desktop app.
- Added support for multiple languages and can work further.
- One of the applications of this project can be to add support audio input to local LLMs and many open-source LLMs.

Link: <https://github.com/tknishh/sonus>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 9

Duration: From date...1st Apr 2024 to date...06th Apr 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I wasn't able to work much due to the product launch at my company which I've been working on. Although I was able to do some research on how to add easy support of voice translation to all open-source LLM and I came up with a idea of creating a simple python library. Will look more into it this week.

I've achieved the following

- Successfully launched AI agentic flow framework (OpenAGI). Link below.
- Got the idea to create a python library from my existing work at AI Planet.

Link: <https://github.com/aiplanethub/openagi>
<https://pypi.org/project/openagi/>

P.S. I would really like to know about your views on this product.

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 11

Duration: From date...8th Apr 2024 to date...13th Apr 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I've created a basic library that add easy support to integrate audio or image inputs for any LLM. Also, audio supports multilingual input which is being translated in English by default.

I've achieved the following

- Created a python library that adds support for audio and image.
- Multilingual input support for audio.

Link: <https://github.com/tknishh/sonus>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor:

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BTech VIII Sem (A.Y. 2023-2024)

Weekly Progress Report No. - 12

Duration: From date...15th Apr 2024 to date...20th Apr 2024

Project No.:

Title of the Project: **Sonus**

Date of Meeting (to be filled by Supervisor):

Project Team:

To be filled by the students			To be filled by the Supervisor	
S.No.	Name of Student	Enrolment. No.	Whether present in the meeting or not (Yes/No)	Rating about Progress (excellent/Satisfactory/Not Satisfactory/No progress at all)
1	Tanish Khandelwal	201B283		

Progress made in Previous Week: For the duration of the previous week, I've successfully created and deployed a python library to add voice and image input support to large language models (LLMs).

I've achieved the following

- Created and published a python library that adds support for audio and image.
- Can be installed and used using `pip install sonus-av`

Link: <https://github.com/tknishh/sonus-av>
<https://pypi.org/project/sonus-av/>

Suggestions by the Supervisor for the next week:

Signature of the Supervisor: