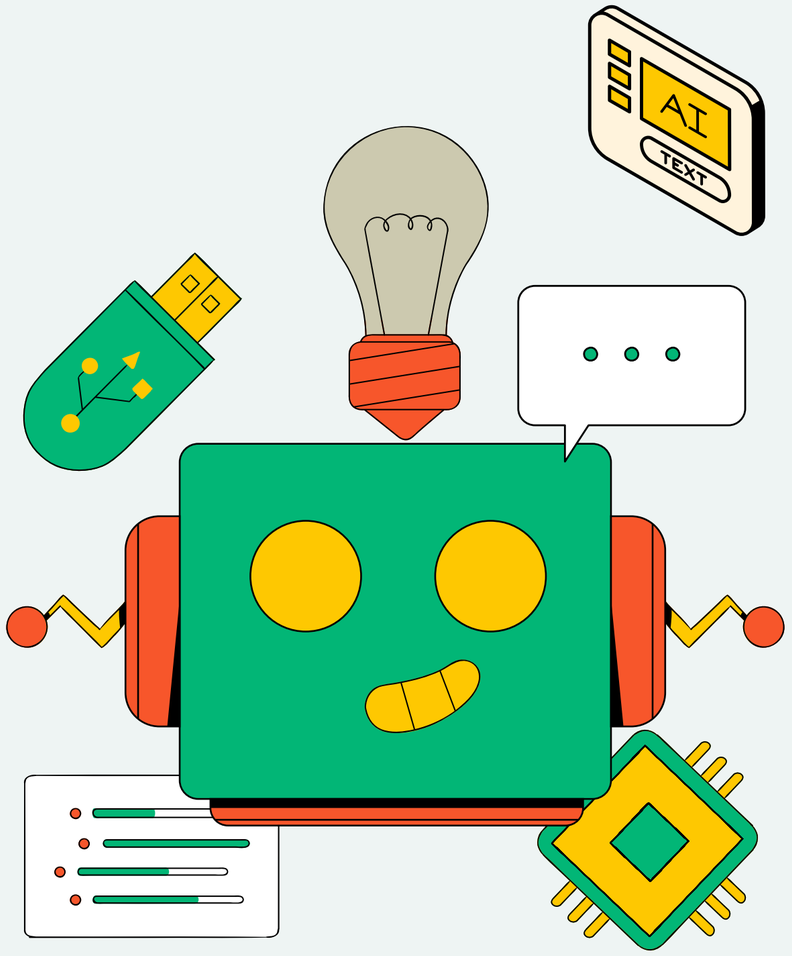
MINI PROJECT – SEM IV
COMPUTER ENGINEERING DEPARTMENT

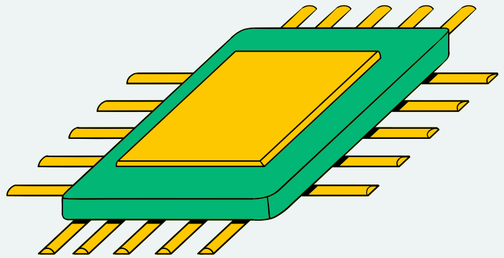


JARVIS – THE VIRTUAL ASSISTANT

PRESENTED BY:

MAYUR SOLANKAR – 2023301018
MANISH JADHAV – 2023301005
VISHESH SAVANI – 2022300100

UNDER GUIDANCE OF:
DR. PRASENJIT BHAVATHANKAR



PRESENTATION OUTLINE

- INTRODUCTION
- PROBLEM STATMET
- OBJECTIVES
- API & MODULES USED
- PROPOSED SYSTEM BLOCK DIAGRAM
- SYSTEM DIAGRAM
- PROJECT PLAN
- CONCLUSION
- REFERENCES

INTRODUCTION

Welcome to our presentation on J.A.R.V.I.S (Just A Rather Very Intelligent System), a cutting-edge virtual assistant designed to revolutionize user-computer interactions. In today's digital era, efficient task execution is vital for productivity and inclusivity. Traditional assistants often struggle to meet diverse user needs, particularly those with visual impairments. J.A.R.V.I.S addresses these challenges with advanced accessibility features and streamlined task execution, enhancing productivity and inclusivity.

PROBLEM STATEMENT

The project seeks to address the limitations of existing virtual assistants by improving language processing accuracy, enhancing OS integration, and incorporating a camera module for expanded functionality. It aims to establish the feasibility of creating a versatile assistant capable of efficiently executing user commands across various tasks.

OBJECTIVES

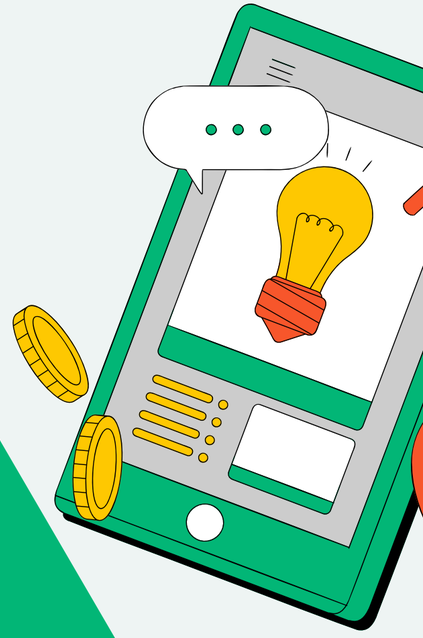
Develop robust language processing for accurate voice recognition.

Integrate OS features for seamless system interaction.

To facilitate quick access of social media platform (Whatsapp) via voice commands

Focus on improving user experience and task efficiency.

API & MODULES USED



natural language processing

Camera Module (CV2)

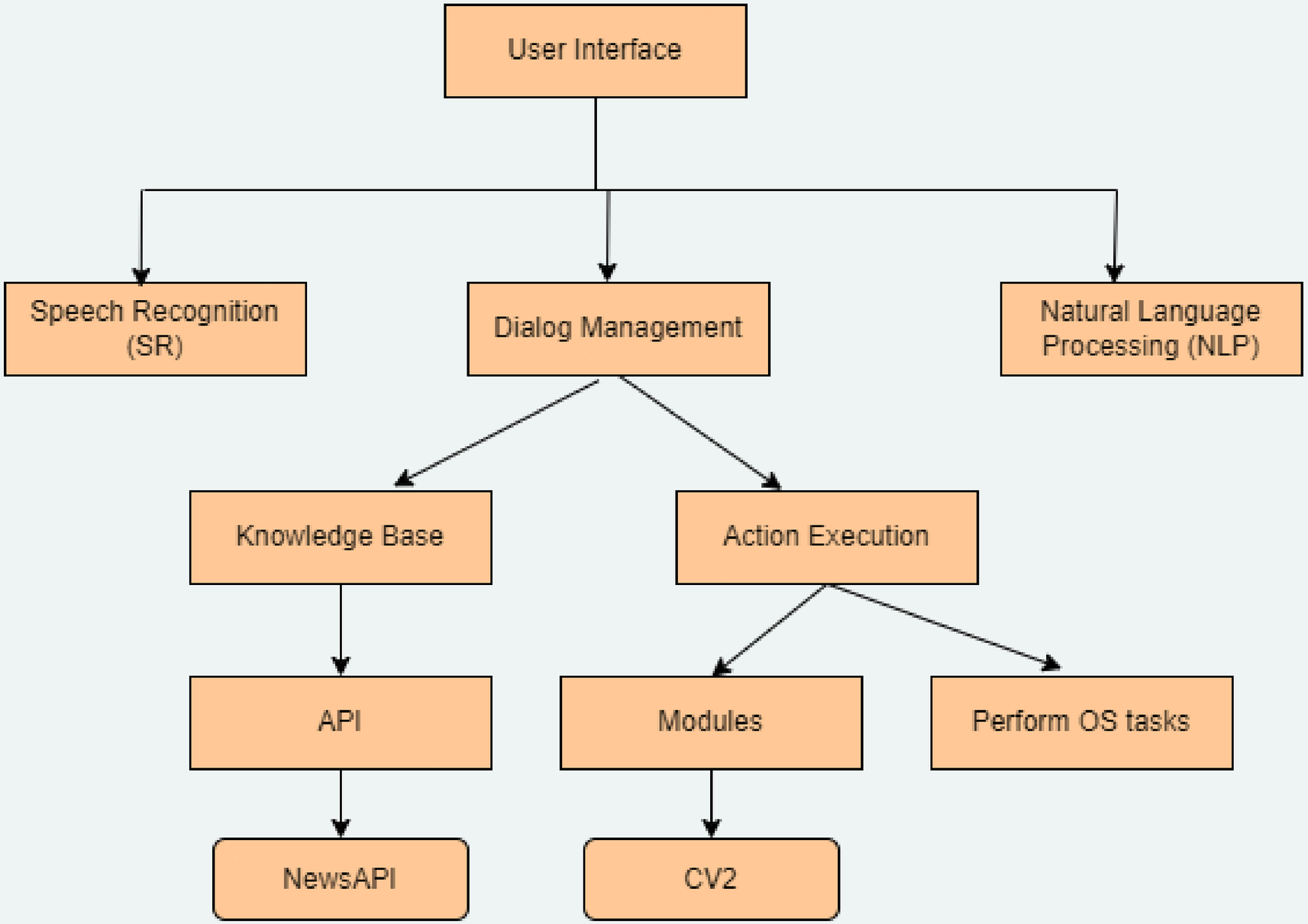
OS Integration Module

External API Integration (News API)

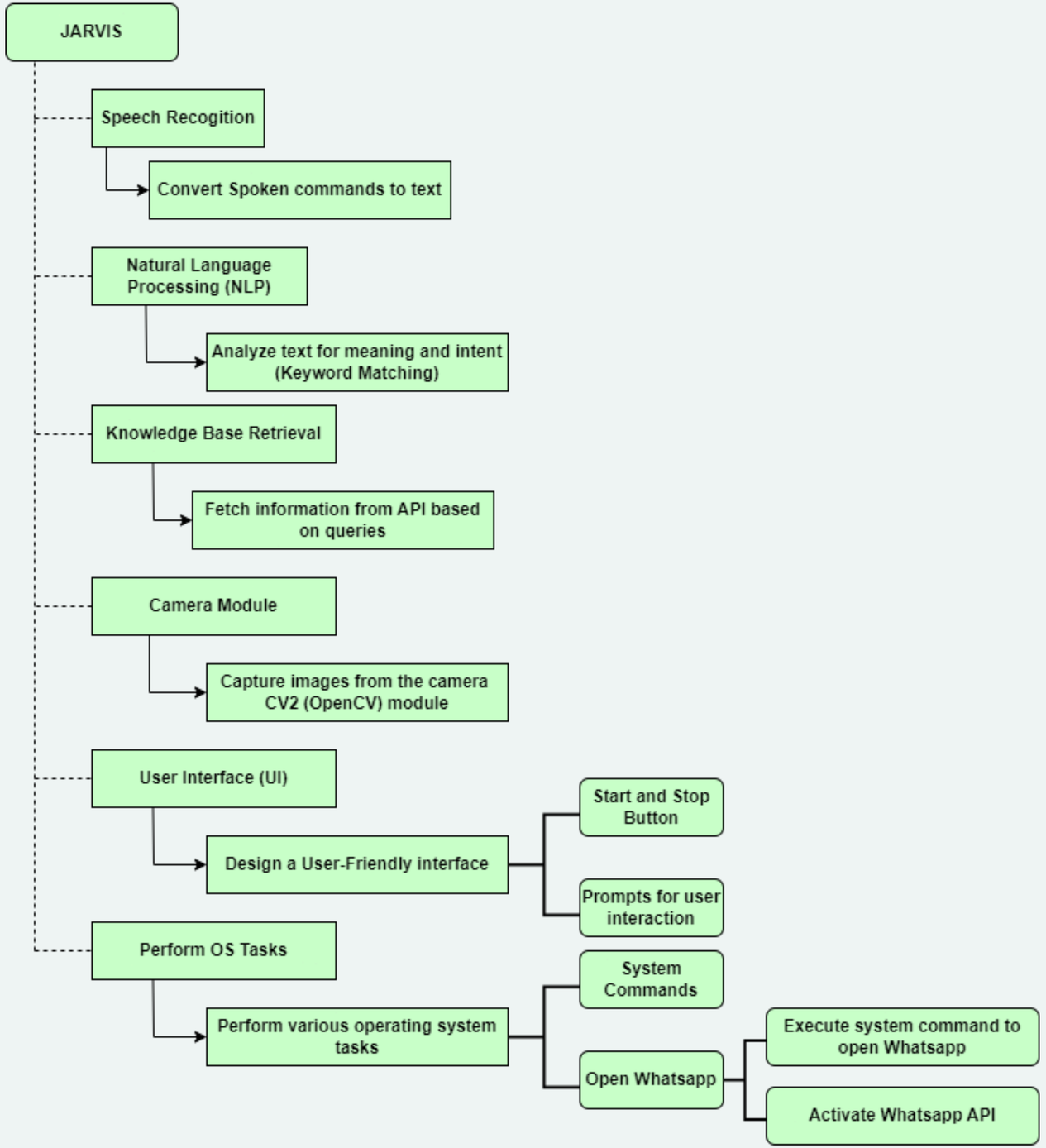
Tinker (GUI)

Messaging Platform Integration (WhatsApp)

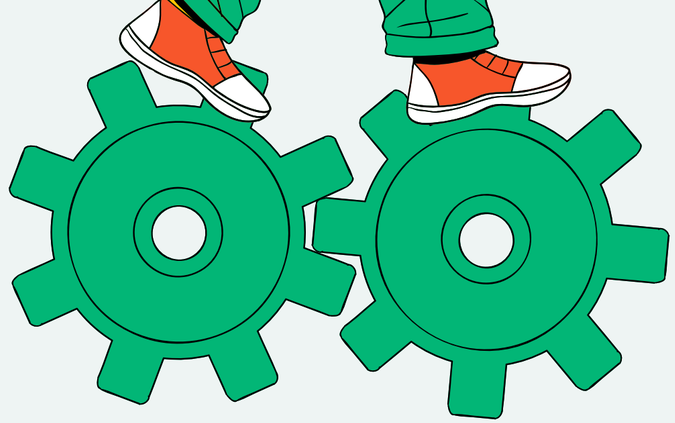
PROPOSED SYSTEM BLOCK DIAGRAM



SYSTEM DIAGRAM



PROJECT PLAN



Last week of January

- Title Approval of project
- Start implementing OS tasks

Last week of February

- Phase I – PPT
- Start implementing basic speech recognition

March

- Implement Natural Language Processing (NLP)
- Integrate modules for basic functionality

Last week of March

- Project implementation with 60%-70% completion

April

- Start Camera module implementation
- Work on User Interface design

2nd Last week of April

- Complete User Interface design.
- Test and debug the system.

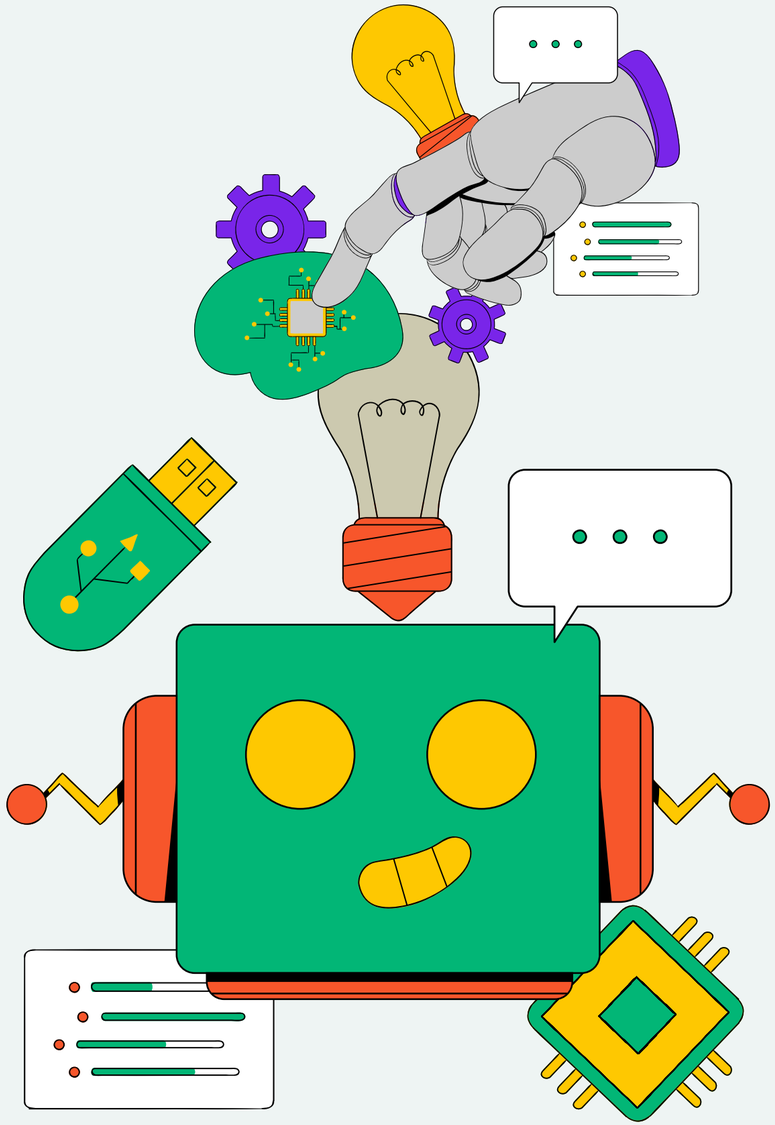
May

- Final testing, documentation and presentation.
- Finalize project report.

CONCLUSION

In conclusion, the project has achieved its goal of creating a versatile virtual assistant with advanced language processing and integration capabilities. The assistant's ability to fetch information, take photos, and potentially integrate with messaging platforms like WhatsApp demonstrates its utility and potential for further development. Future enhancements will focus on improving user interaction and expanding the assistant's functionality to offer a more comprehensive user experience.

RESOURCE PAGE



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THANKYOU