

**ARAVALI COLLEGE OF ENGINEERING AND
MANAGEMENT**

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**BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE ENGINEERING**



SYNOPSIS

ON

POM-TIME

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INTRODUCTION

In today's fast-paced world, staying focused and managing time effectively has become more crucial than ever. The Pomodoro Timer is a super helpful tool that can boost your focus and productivity. It's like a friendly companion that helps you work smarter, not harder. Here's how it works: you work on a task for a short burst, usually around 25 minutes (that's one Pomodoro), and then take a quick break. This pattern helps prevent burnout and keeps your mind sharp. With its simple setup and a visual countdown, the Pomodoro Timer makes work feel like a game – you race against the clock, and those little breaks feel like rewards. Say goodbye to endless distractions and hello to getting things done!

OBJECTIVE

The POM-TIME objectives are:-

- **Interactive Timer Display:** Pom-time offers a sleek and intuitive timer display at the center of the GUI, showcasing the countdown of the active Pomodoro session. The user can easily start, pause, and reset the timer as needed.
- **Pomodoro and Break Intervals:** Users can customize the duration of both Pomodoro sessions and breaks to match their preferences. The default settings follow the traditional 25-minute Pomodoro and 5-minute break structure.
- **Session Tracker:** The application keeps track of completed Pomodoro sessions. Users can see how many Pomodoros they have completed during their work session, providing a sense of accomplishment.
- **Notifications and Alerts:** Pom-time employs subtle visual and auditory cues to indicate the transition between Pomodoro and break phases. These notifications ensure that users remain focused during work intervals and take timely breaks.
- **Task List Integration:** Users can associate each Pomodoro session with a specific task or activity. This feature helps individuals stay organized and focused on their goals, with the ability to log accomplishments and progress.
- **Statistics and Insights:** Pom-time provides users with a summary of their work sessions, including the number of completed Pomodoros and total work time. This feature allows users to evaluate their productivity and adjust their strategies accordingly.
- **Customizable Themes:** The application offers a selection of visually pleasing themes, allowing users to personalize their timer experience according to their preferences.
- **User-Friendly Interface:** The GUI is designed with user experience in mind, ensuring that even individuals new to the Pomodoro Technique can easily navigate and utilize the application.

PROJECT CATEGORY

This project is titled "POM-TIME" . POM-TIME is implemented under the "Python" language. The POM-TIME is developed to manage time accordingly. Through this, it is easy to provide an interface through which students can concentrate on the works, researching and many works.

HARDWARE & SOFTWARE **REQUIREMENTS**

Software Requirements

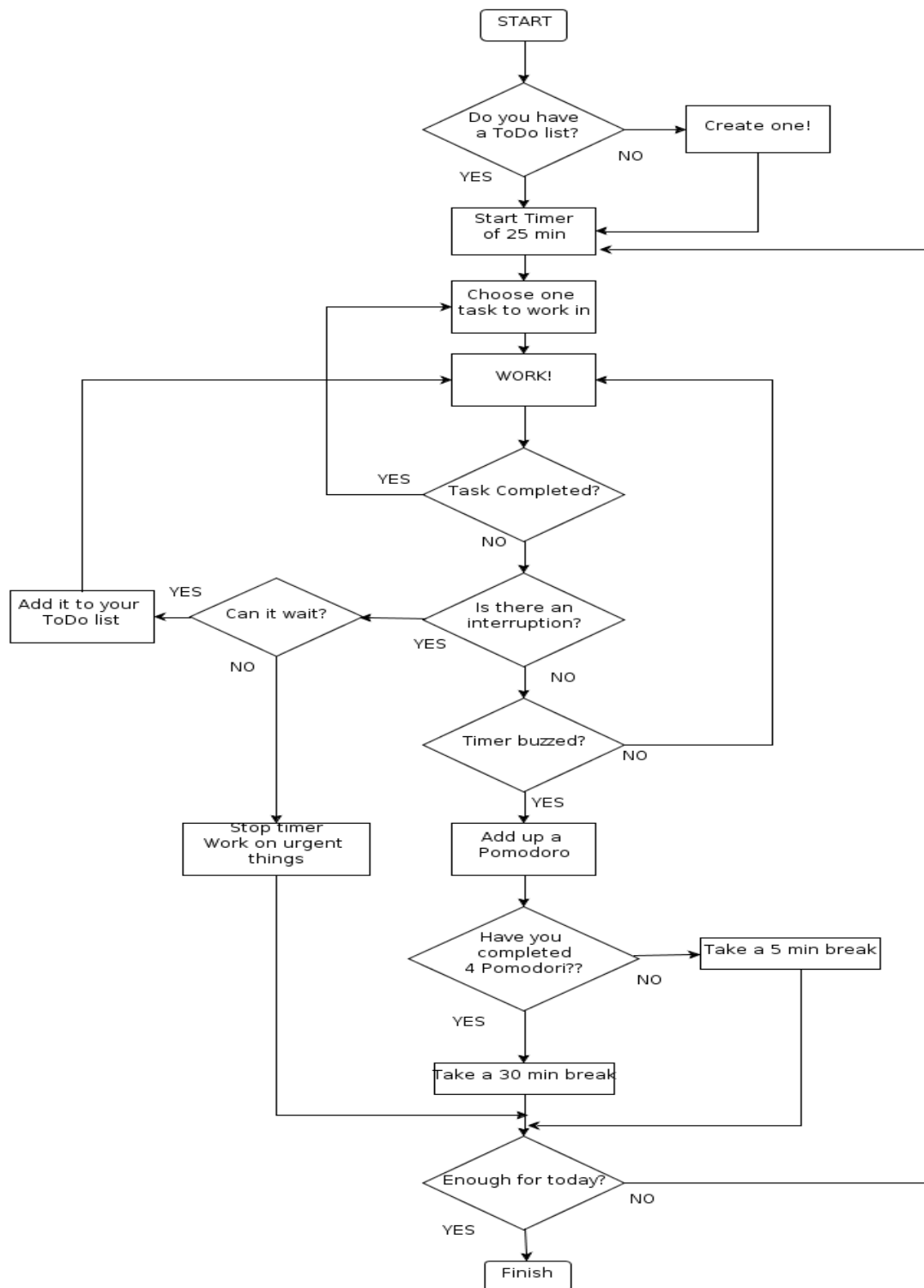
- Python
- VS Code

Hardware Requirements

- OS: Windows 10 64-bit
- CPU: Intel Core i5 10th gen
- Memory: 8 GB RAM
- Tools: Windows PowerShell 5.0+

DATA FLOW DIAGRAM

Pomodoro Technique



MODULES

Administrator & User:-

- Timer Display: This is the central element where users can see the countdown for the active Pomodoro session. It displays the time remaining for the current work session or break.
- Start/Pause/Reset Buttons: These buttons allow users to control the timer. They can start a Pomodoro session, pause it, and reset the timer as needed.
- Settings Panel: Users can access a settings panel to customize the duration of Pomodoro sessions and breaks, select themes, and make other adjustments to suit their preferences.

FUTURE SCOPE

- Cloud Sync and Backup: Implement a cloud-based synchronization feature that enables users to access their Pomodoro session history, settings, and task lists from multiple devices. This ensures data continuity and backup in case of device loss or upgrades.
- Smart Notifications: Integrate with smart devices and wearables to provide timely notifications and reminders for Pomodoro sessions and breaks. This enhances the user's ability to stay on track, even when away from their computer.
- Personalized Recommendations: Utilize machine learning algorithms to analyze user behavior and provide personalized recommendations for optimizing work sessions, break durations, and productivity strategies.
- Offline Mode: Create an offline mode for users who may not always have an internet connection. This ensures uninterrupted access to the timer and stored data.
- Language and Localization: Translate the application into multiple languages to cater to a global audience. Consider localizing the app for different regions, including date and time formats.

REFERENCES

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- <https://chat.openai.com/>
- https://en.wikipedia.org/wiki/Pomodoro_Technique