



Marathwada Mitra mandal's  
**COLLEGE OF ENGINEERING**

Karvenagar, Pune

An Autonomous Institute

**Presentation**

**On**

**Typing Tutor**



# Group Information

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# Outline:

- A. Introduction
- B. Research
- C. Analysis
- D. Ideate
- E. Build
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## A. Introduction

This program is designed to evaluate and enhance your typing skills. It provides a simple typing speed test where you can measure how quickly and accurately you type a given paragraph. Here's an overview of what the program does:

1. Introduction and Learning Resources:  
The program begins by greeting the user and recommending a video playlist to learn the basics of typing. This ensures that even beginners can use the program effectively.
2. Typing Speed Test:  
The program presents a pre-defined paragraph and asks the user to type it as quickly and accurately as possible. It measures two key metrics:
  - Typing Speed: The number of words typed per minute (WPM).
  - Accuracy: It compares the user's input with the original text to determine if the typing was correct.
3. Time Measurement:  
The program uses the system clock to measure how long the user takes to type the paragraph. This duration is used to calculate the typing speed.
4. Feedback:  
After the test, the program provides:
  - Time taken to complete typing.
  - Typing speed in words per minute.
  - An accuracy assessment.

This program is a great tool for anyone looking to improve their typing skills, whether for personal development, academic purposes, or professional requirements. Give it a try and see how you perform!

## B. Research

State the research questions or objectives.

Review existing research on the code and its applications.

Discuss the theoretical foundations and concepts related to the code.

Describe the research design and approach used to analyze the code

Explain the data collection methods and tools used.

Discuss the data analysis techniques and software used.

Typing tutors are tools or software designed to help users improve their typing speed, accuracy, and overall proficiency. These tools are commonly used by beginners learning to type or individuals seeking to enhance their skills for professional or personal efficiency.

The project requires a programming language c, libraries for time management and string manipulation and a user interface to collect input.It's essential to understand The basic principles of c programming and how to interact with standard input and output . setting up the test this involves variables to store the text for the typing test,user input,start and end times, and calculated time taken

## C. Analysis

Typing tutors are essential tools designed to improve typing speed, accuracy, and proficiency. They serve educational purposes for beginners and also help advanced users refine their skills. Below is an analysis of the components, benefits, limitations, and enhancements related to typing tutors.

A typing tutor is a powerful tool for developing and honing typing skills. By analyzing the current features and limitations, it is clear that modern typing tutors can benefit from:

- Enhanced real-time feedback.
- Personalization and adaptability.
- Gamification and data-driven insights.

## D. Ideate

Adaptive Learning: Tailored lessons and dynamic difficulty adjustments for personalized progress.

1. Real-Time Feedback: Instant error detection, corrections, and live WPM/accuracy display.
2. Analytics: Key usage heatmaps, error insights, and progress tracking.
3. Certifications: Verifiable typing tests, badges, and career-relevant credentials.

## Benefits:

- Improves speed, accuracy, and technique.
- Saves time in professional and academic tasks.
- Boosts confidence with structured, incremental learning.
- Engages users through personalization and rewards.

## E. Build

### Improvements:

1. Levels: Add beginner, intermediate, and advanced typing tests.
2. Progress: Save and display WPM/accuracy trends.
3. Feedback: Show live WPM and highlight errors during typing.
4. Rewards: Include badges, certificates, and a leaderboard.
5. Profiles: Let users save progress and customize settings.

### Result:

A personalized, engaging, and competitive typing tutor for all skill levels.



## F.Test

1. Objective: Measure typing speed (WPM) and accuracy.
2. How It Works:
  - Displays a paragraph for typing.
  - Tracks time and compares your input with the original.
3. Results:
  - Shows time taken, WPM, and accuracy (Perfect or Less than 100%).

Quick and efficient test for skill assessment!

## G.Implement

1. Libraries: `<stdio.h>`, `<string.h>`, `<time.h>`
2. Steps:
  - Display typing paragraph.
  - Record time and capture input.
  - Calculate WPM and compare accuracy.
3. Output: Time taken, WPM, and accuracy feedback.

Example Output:

[makefile](#)

[Copy code](#)

Time: 45.67s Speed: 52.34 WPM Accuracy: Less than 100%.

## H. Links

- 1.Upload Video Link Here <https://youtube.com/shorts/ECxY8SmSrVI>
- 2.Upload Blog Link here [https://www.canva.com/design/DAGX2EROp8g/vFr8vQqUFxXRV-hXBcNezw/edit?utm\\_content=DAGX2EROp8g&utm\\_campaign=designshare&utm\\_medium=link2&utm\\_source=sharebutton](https://www.canva.com/design/DAGX2EROp8g/vFr8vQqUFxXRV-hXBcNezw/edit?utm_content=DAGX2EROp8g&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)
3. Upload Project Link here (Classroom Link and Github link)

# I. Reference

Ex.

[1] I. Thompson, “Women and feminism in technical communication,” *J. Bus. Tech. Commun.*, vol. 13, no. 2, pp.154–178, 1999.

[2] Online Links

[3] video links