

Day 24 – Project Finalization: AudioCrypt (Testing, Debugging, and Documentation)

Date: 17 July 2025

Activity: Final Testing, Debugging, and Report Preparation

Description:

The final day of the project work was dedicated to **testing, debugging, and documentation** of the AudioCrypt tool. I performed multiple encryption and decryption tests with different file sizes and passwords to ensure data integrity and reliability.

Minor bugs related to file path handling and GUI freezing during audio processing were identified and fixed. I also added user notifications for successful encryption and decryption processes.

Additionally, I started preparing the **project documentation**, including the **README file, training report, and presentation slides** for submission. The overall performance of AudioCrypt was stable, and all core functionalities — encryption, decryption, and steganography — worked successfully.

Outcome:

- Completed debugging and performance testing.
- Added final user interface improvements.
- Documentation and presentation preparation initiated.