**Nawab Shah Alam Khan College of Engineering and Technology**

Industrial Internship Report

Project: File Organizer using Python

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Domain: Python Programming

Internship Duration: 25-09-2025 to 22-10-2025

1. **Introduction:**

* The File Organizer project was developed as part of the internship program under the Python Programming domain.
* This project automates the organization of files in a given directory by categorizing them into folders based on file type.

2. Problem Statement:

* Manually managing and organizing files on a computer is time-consuming and error-prone.
* The File Organizer solves this by automatically classifying and moving files into category-based folders such as Images, Documents, and Videos.

3. Implementation:

* The project uses Python’s Tkinter library for GUI, and the os and shutil modules for file system operations.
* Users select a folder through the GUI and initiate organization with a single click.
* A 'Dry Run' feature previews file movements before they actually happen.

4. Results and Output:

* The project efficiently organizes files into folders based on extensions, successfully tested on multiple file types.
* The application displays logs of each operation and ensures no data loss.

5. Learning and Skills Acquired:

* Developed a GUI using Tkinter
* Improved file handling and automation skills
* Enhanced understanding of project structuring and documentation

6. Future Enhancements:

* Add real-time folder monitoring
* Provide undo option for moved files
* Integrate cloud storage organization features

7. GitHub Links:

* Code Link: https://github.com/<your-username>/upskillCampus/blob/main/FileOrganizer\_Haider\_USC\_UCT.py
* Report Link: https://github.com/<your-username>/upskillCampus/blob/main/FileOrganizer\_Haider\_USC\_UCT.pdf

Submitted by: HAIDER ALI

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