Folder Creator — Structured Project Directory Builder

Overview

Managing multiple projects, teams, or research activities often leads to inconsistent folder structures and confusing file names. This tool solves that problem by creating a standardized, repeatable directory structure based on project code, acronym, year, and responsible person. The application is especially useful if you:

- Lead a team or research group
- Manage several projects in parallel
- Work in a company, laboratory, or private business
- Want consistent folder naming for easier searching, archiving, and collaboration

By enforcing an identical naming and folder structure, this tool makes future work—such as searching files, sharing data, and scaling projects—much easier.

Purpose

The main goal of this program is to automate the creation of a batch of directories where:

- Folder names include code, project acronym, year, and person in charge
- All projects follow the same structure
- Subfolders and sub-subfolders are created consistently
- Human errors in naming and organization are minimized

A consistent folder structure is critical for:

- Long-term data management
- Efficient file search
- Team collaboration
- Archiving and compliance

Naming Concept

The final directory structure follows this logic:

CodeYY-Acronym-YYYY-Person, Example: A26-CABCAR-2026-Peter

Subfolders and sub-subfolders follow the same naming principle, ensuring consistency across all levels.

Features

Two-column layout for better overview of sections , Scrollable window with mouse-wheel support, "Select all subfolders" option per section, Option A: Automatic creation of predefined sub-subfolders, Input validation

- Folder name: Code-Acronym (required)
- Meta: YYYY-Person (optional, validated if filled)
- Drive or path: required

Styled "Create Folders" button (green, centered), After creation

- Continue (reset form)
- Or Exit the application

Icon support for better usability (optional)

Requirements
- Python 3.10+ (tested with Python 3.12)
- Tkinter (included with standard Python)
- Pillow (optional, only required for icons)

Install Pillow if you want icons:

pip install Pillow

How to Run

Clone or download this repository, then make sure the folder structure looks like this:

Create_Folder.py
icons/
│ ── info_icon_name.png
│ ── info_icon_project.png
│ ── info_icon_drive.png

Open a terminal in that folder, and Run: That's it — no installation, no configuration.

Who Is This For?
- Researchers and research groups
- Project managers
- Small companies and startups
- Engineers and developers
- Anyone who wants clean, reproducible folder structures

Philosophy

Consistent structure today prevents chaos tomorrow. This tool favors clarity and explicit logic over over-engineering, making it easy to modify and extend in the future.

Acknowledgment

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https://github.com/mforoushani/Folder-Creator