

Requirements for Courier Packaging Label Automation

1. Input Files

- Three images of courier packaging, each with a blank label area.
- One PDF file containing the courier packaging label.

2. Process Flow

- The system should extract the content from the PDF file (either as text or image).
- The extracted content should be printed automatically onto the blank label area of the courier packaging images.
- The placement of the label should be based on the provided dimensions (Length, Breadth, and Height).

3. Output

- The updated images should have the PDF label correctly printed on them.
- The images should be available for download either as:
 - A single combined file (e.g., a ZIP file).
 - Separate files for each image.

4. Features

- The placement of the label on each image should be precise and customizable based on the label dimensions.
- The system should handle the process automatically without requiring manual adjustments.
- The entire workflow, from PDF upload to image download, should be efficient and user-friendly.

5. Technology

- Implement this functionality using Python.
- Libraries such as Pillow for image manipulation and PyMuPDF (fitz) for PDF content extraction.