

Fr. Conceicao Rodrigues College Of Engineering

**Department of Computer Engineering,
SEM-IV Class B**

PYTHON PROJECT
-----**I. INTRODUCTION****PROJECT TOPIC:** Document scanner using python**GROUP MEMBERS:**

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INTRODUCTION:

The Scanner App is an easy-to-use scanning software for Windows devices. The software works by capturing images from mobile with the help of IP webcam app.

Then it processes the captured images and convert it into pdf format as well as the images are also stored separately into a folder.

It has a **simple design** and works efficiently. Users can use this standalone scanner app to save files in PDF formats without compromising on quality.

The app remains light on system resources and is ideal for anyone looking for a free scanner software for Windows 7 and above.

PURPOSE:

The proposed system can be used to scan the hard copy of the document and save it into pdf format. It is also useful for students and teachers to scan their assignments, worksheets etc.

NOVELTY: The features that we added is that we can capture the image from the mobile phone rather than selecting

EXISTING SYSTEMS/SIMILAR SYSTEMS:

1)NAPS2:-

- ❖ Easily scan with your chosen settings, or set up multiple profiles for different devices and configurations.
- ❖ Once you've finished scanning, you can save, email, or print with only a couple clicks. Save to PDF, TIFF, JPEG, PNG, or other file types.

2) PaperScan

To import any image/PDF files, arrange them in any imaginable single-page/multi-page configuration, perform a wide range of image adjustments/enhancements, annotate them with sticky notes, rubber stamps, highlighter or arrows and save your work in various file formats including JPEG, TIFF, PDF and JBIG2.

III. REVIEW

Remarks and Suggestions: *<to be filled by evaluators>*

Sr.No	URL
1.	Naps2 :- https://www.naps2.com/
2.	PaperScan :- https://paperscan.orpalis.com/

II. DESIGN

ACTOR-WISE FUNCTIONALITIES:

User:-

1. Enter Url
2. Capture the Images
3. Click on PDF icon to generate pdf

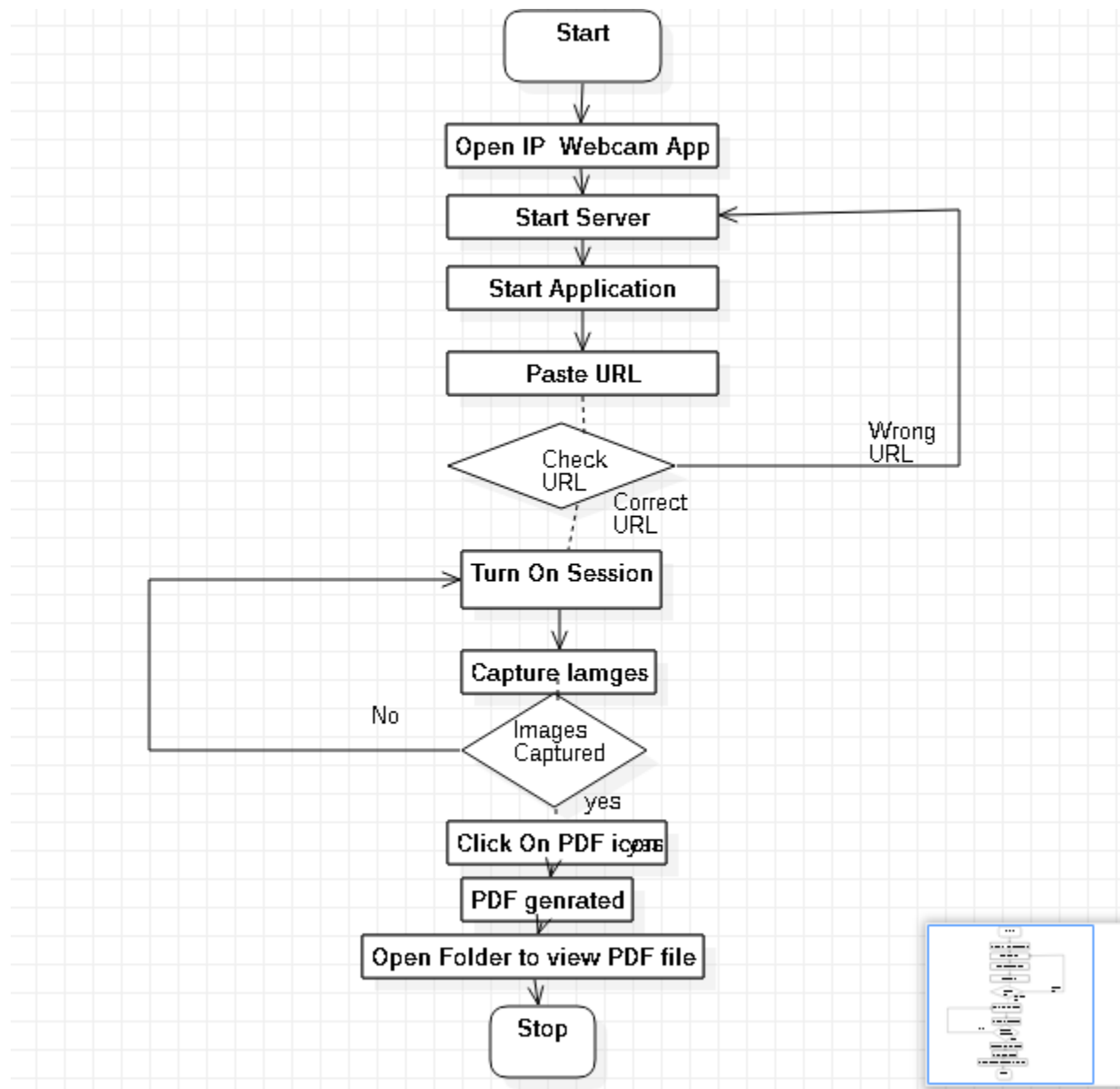
FUNCTIONAL REQUIREMENTS

Hardware Requirement:-

1. Processor i3 1.6GHz
2. Ram :4GB
3. HDD 4MB

Software Requirement:-

1. Python 3.7 or 3.9
2. IP webcam app
3. Install Following libraries in your System
 - numpy
 - PIL
 - tkinter

Architecture:-**Flow chart of process**

ALGORITHM:

Step1:- Start

Step2:- Open IP webcam

- Start the server
- Copy UrL

Step3:- Start Application

- Paste the URL
- Validate Url
- Create Session
- Capture Iamges
- Stored it into folder

Step4:- Processed the Images

- Stored it into Folder

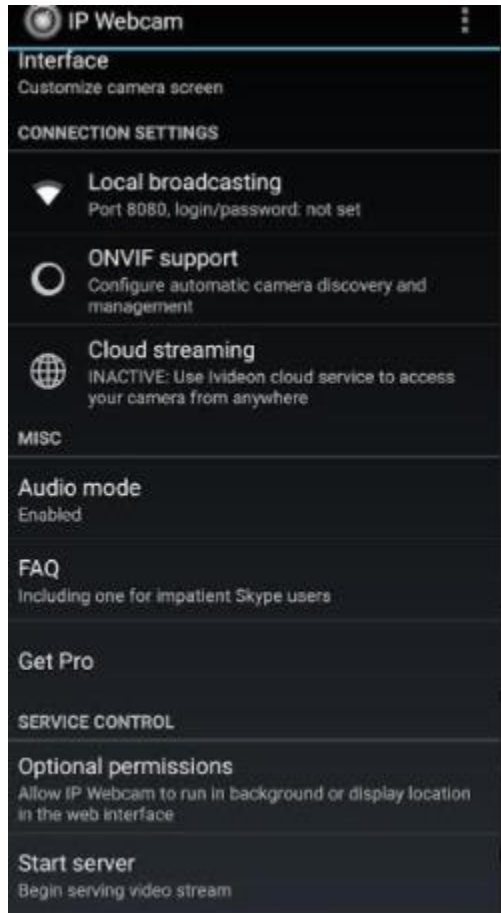
Step5:- Click on Generate PDF

Step6:- PDF will generated and saved on folder

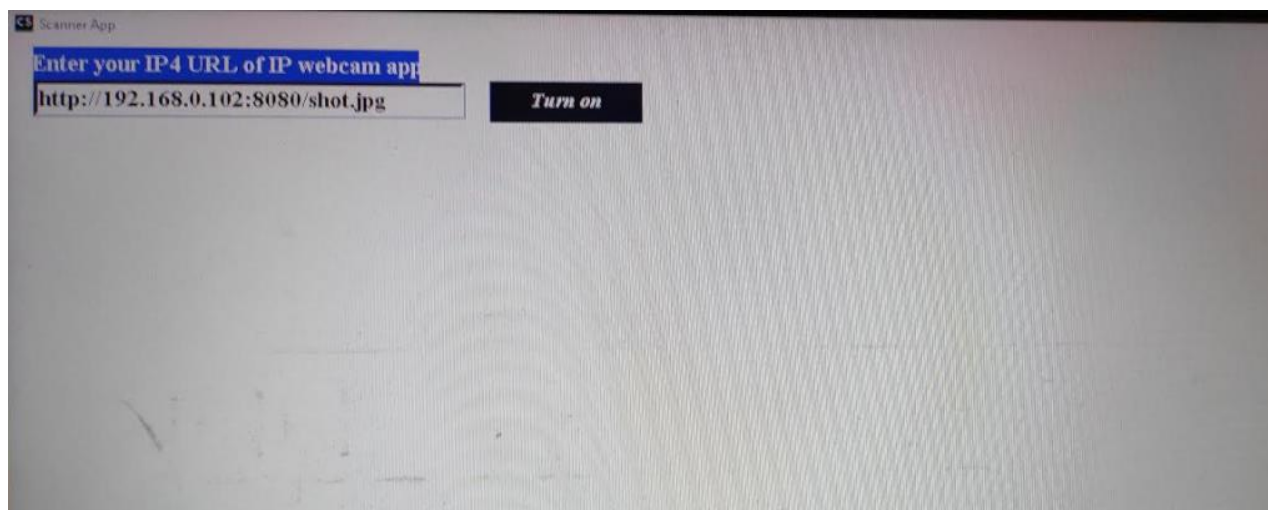
Step7:- End

RESULTS:

1.IP webcam app/Start Server

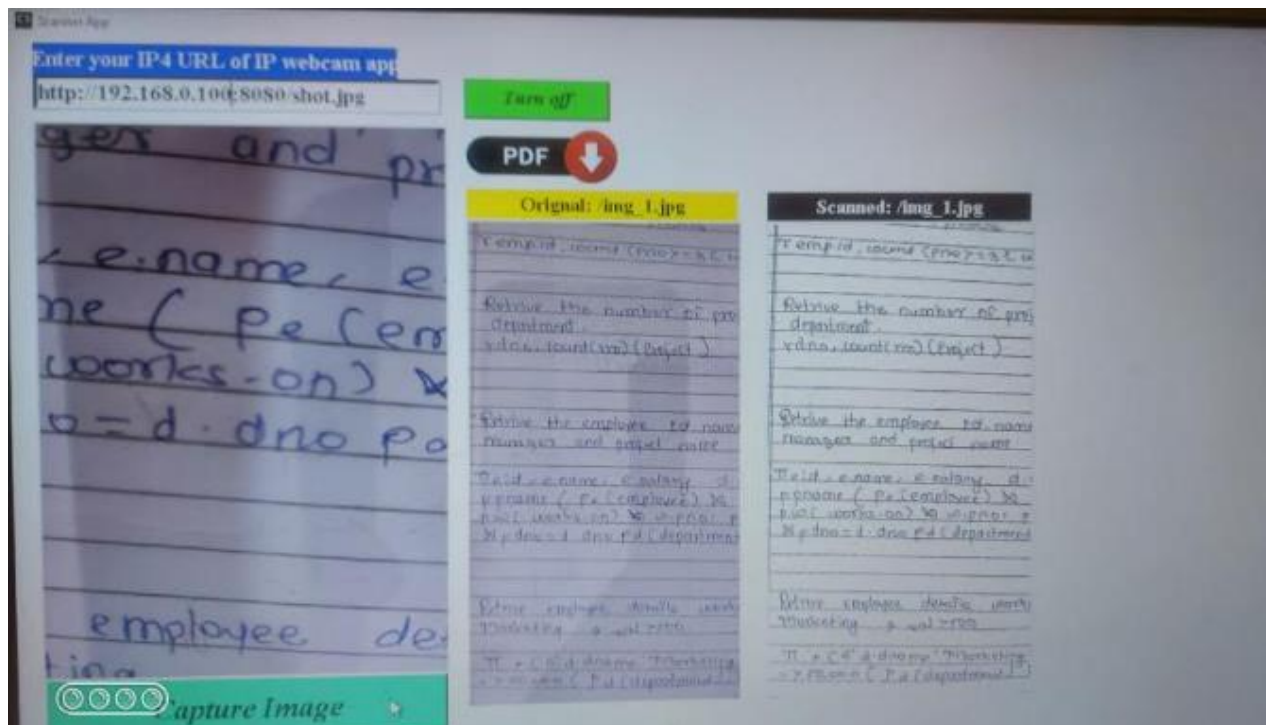
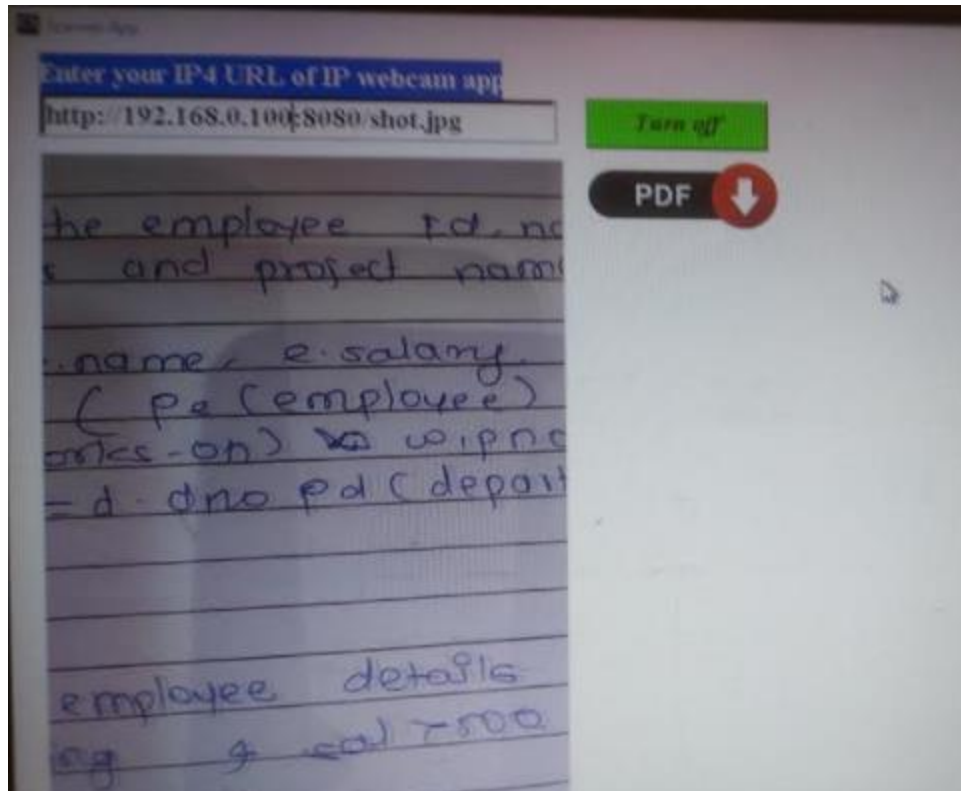


2.Paste Server Url

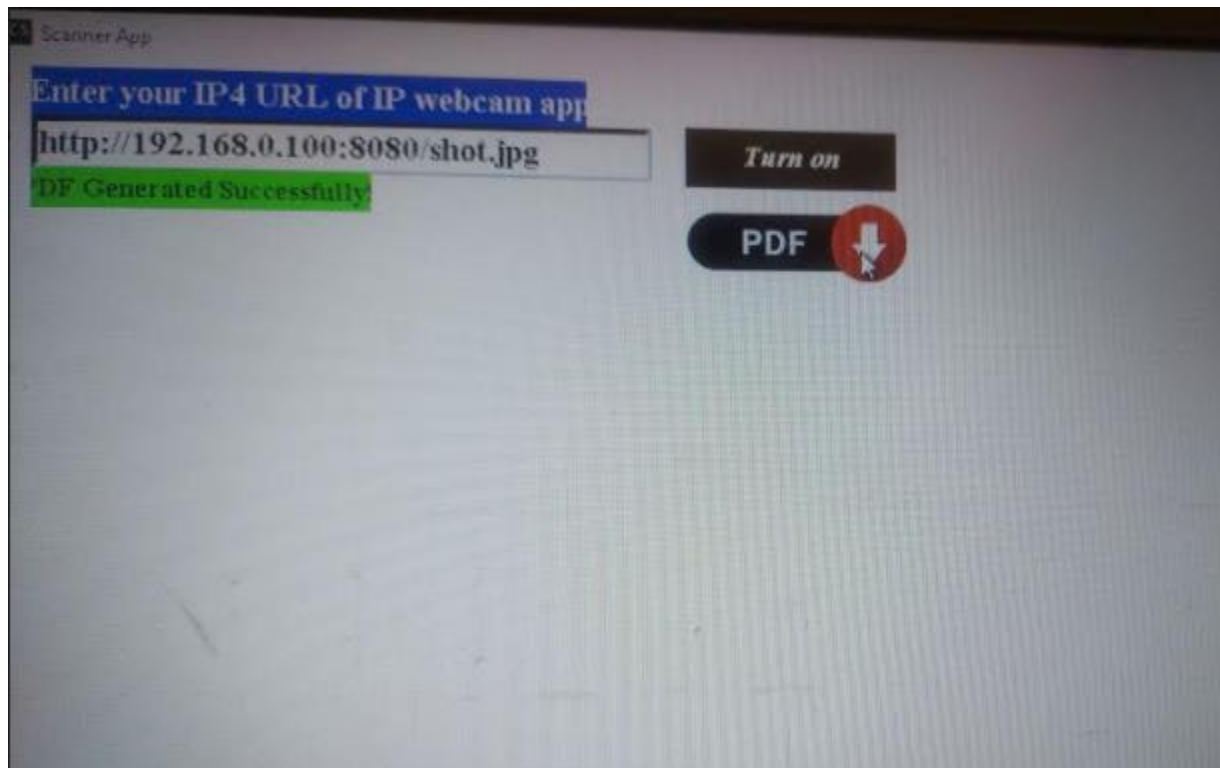


3.Capture Images


Document Scanner Using Python



4. Genrate PDF



5. Saved PDF

Python_final_project > Generated_PDF				
Name	Date modified	Type	Size	
 Scanned_2_15_38_29	11-05-2021 15:38	Adobe Acrobat D...	566 KB	

π emp.id, count (pno) = 3 e w

Retrieve the number of project
department.

π dno, count(mo) (Project)

Retrieve the employee id, name
managers and project name

π e.id, e.name, e.salary, d.
p.pname (ρ_e (employee) \bowtie
 ρ_{wo} (works-on) \bowtie $\rho_{pno} = p$
 \bowtie $\rho_{dno} = d$ ρ_d (department)

Retrieve employee details working
Marketing & sal > 5000

π * (ρ_d d.dname 'Marketing'
= 750,000 (ρ_d (department)

CONCLUSION

Since the project is implement in python the application can run on any system the current existing system are basically platform dependent as the project that are available are,Windows,Linux.
By using of these Project user can easily create pdf file .

III. REVIEW

Remarks and Suggestions:

Sr.No	Suggestion/Modification	Mandatory/ Optional
1.	No Suggestion/Modification	-