



# Mini Project - 02

## **SYNOPSIS ON PHOTOEDITOR (Pico)**

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## **INTRODUCTION**

Photo Editing can be pretty daunting. The truth is, almost any image can be improved with some slight editing.

Photo Editing software is used to manipulate or enhance digital images. The category of software ranges from basic apps, which are able to apply simple effects, to industry-standard programs used by professional photographers for more advanced needs. Many functionalities of these programs mimic the manual photo editing techniques used in a dark room.

Typically, a photo editing software uses photos that have been taken with a digital camera that are then uploaded or imported to the software program. As touchscreen technology and wireless file sharing become more robust, many photographers are opting to use tablets or even smartphones instead of traditional desktops or laptops to use their photo editing software programs.

Other terms for photo editing are :-

1. Image editing
2. Post-processing
3. Image/photo manipulation
4. Photoshopping
5. Image/photo enhancement

## **EXISTING SYSTEM**

Basic photo editing software is frequently available for free across most mobile and desktop operating systems. Some are available as Internet programs, others can be downloaded as applications, and many are native programs that come preloaded on a device.

More advanced photo editing software generally comes with a regular subscription fee or flat licensing cost.

Some prominent software editing software vendors include:-

1. Adobe Photoshop
2. Adobe Lightroom
3. Google Snapseed
4. Skylum Luminar
5. Capture One
6. GIMP
7. ON1 Photo RAW

## **USE OF THE PROJECT**

Many qualities of a photo can be manipulated using **photo editing editor (Pico) software application**, often on the **pixel** level. most basic photo editing software programs can accomplish a number of these techniques, including:-

1. **Color Balance**, which adjusts the levels of intensity across the color spectrum.
2. **Exposure**, which adjusts hoe much brightness or light is applied to the photo.
3. **Noise/grain**, which indicates the level of detail or distortion between pixels.
4. **Saturation**, which indicates the dramatic appearance of all colors.
5. **Cropping**, which adjusts the dimension of the image.
6. **Burning/dodging**, which adjusts the contrast between lightness and darkness.

More advanced programs enable users to also perform operations such as **background removal, healing, cloning, selective adjustments**, and layering. These advanced programs often feature additional functionalities like **brush and pencil stokes, textures, stickers and 3D design**.

## **FEASIBILITY OF PROJECT**

As the name implies, a **feasibility study** is used to determine the viability of an idea, such as ensuring a project is legally and technically feasible as well as economically justifiable. It tells us whether the project is worth the investment- in some cases, a project may not be doable. In project feasibility, following should be taken to consideration:

- \* A brief description of the work.
- \* The part of the work being examined.
- \* The human and economic factor.
- \* The possible solutions to the problems.

**Technical Feasibility** :- It is the complete study of the project in terms of input, processes, output, fields, programs, and procedures. It is very effective tool for long term planning and trouble shooting.

**Financial Feasibility** :- The following parameters are:-

- \*Total estimated cost of the project.
- \*Financing of the project in terms of its capital structure.
- \*Existing investment by the promoter in any other business.
- \*Projected cash flow and profitability.

**Schedule Feasibility** :- A project will fail if it takes too long to be completed before it is useful. It is a measure of how reasonable the project timetable is. It is necessary to determine whether deadlines are mandatory or desirable.

## FUNCTIONAL SPECIFICATION

This photo editing application has various functionalities which made it possible to look more attractive to users.

- **Home Page** consists -> (with some **commercial** and **interstitial** ads and settings menu with two button options) .
- In Home Page we have two buttons:-
  1. **Camera** :- A pop allow for requesting a permission for allowing a camera to be open. By allowing the camera opens up , we can click a photo.
  2. **Edit** :- When we want to edit a photo we can select a photo from file/gallery folder or we can click a photo from camera.  
In image editing we can using various standard features like:-  
***Filters , Frames , Round , Exposure , Contrast , Vignette , Saturation , Sharpness , Warmth , Pixelate , Draw , Sticker, Text.***
- After editing photo we can save it in our device and can share it also on various platforms like :- ***Facebook, Whatsapp and Instagram.***

**Github Link** :-

**<https://github.com/ritikgupta2109/PHOTOEDITOR--Pico>**

## **SOFTWARE SPECIFICATION**

- Technology Implemented :- ANDROID STUDIO
- Language used :- JAVA
- Other Technology Implemented are :- Google Admob

## **HARDWARE REQUIREMENTS**

- Processor used :- Intel i5
- Operating System used :- Windows 8/10/11
- RAM used :- 8GB
- Hardware device :- Computer System
- Hard disk :- 1TB
- Display Screen :- Laptop Screen

## **FUTURE SCOPE**

Image editing is needed for many things. However, the primary and most prominent aim of photo editing services is to beautify an image for making it more attractive and appealing.

Different Business are utilizing the help of image editing. They include e-commerce business, real estate, ad and marketing, photography, and a lot more. Therefore, image editing is gaining great significance, relevance, and popularity in the business field.

In e-commerce industry, photos are prime factors that are responsible for attracting customers .Here, a single photo can convey more details to a customer than a long product description. This is also same for real estate, fashion etc.

Therefore, by using the potential of image editing , a lot of businesses are attracting a large number of customers and generating more revenue.