

Digital Photostat Center

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Abstract - Xerox centers in college is a vital issue to manage the crowd and the payments. It becomes a key concern to visit the xerox center and get the required work done. This existing system is time consuming. In this existing system a lot of crowd is generated near xerox center and then it becomes a tedious job for the employee to xerox the documents and manage payments. Digital Photostat Center is a Mobile Application in which all the operations will be performed digitally. DPC reduces the usage of extra applications. It is specially developed for educational institutes. And helps the organizations to work efficiently.

Key Words: Dynamic Cost Estimation, DPC, Digital Photostat Center, Promoting Digital India, Document Security, Document Storage

1. INTRODUCTION

The essence of digitization and adaption to the changing mode of communication and network was understood long ago and over a period of time. Digital Photostat Center, a digital way of handling xerox mechanisms. Is a fast and less time-consuming platform to xerox and print documents without creating unnecessary crowds at xerox centers in colleges, hospitals, etc. With an increasing emphasis on promoting digital India today, utilizing such kind of digital platforms for daily use can be encouragement for coming generations. Digital Photostat Center consists of a lot of features where it reduces the usage of extra applications for other educational stuff. It is a helping hand for the educational organizations which consists of thousands of students and faculties in it. Using DPC can make the daily functionality of organizations easier and faster.

1.1 EXISTING SYSTEM

The existing system consists of two modules. These modules consist of the present conditions in the organizations. Following are the two modules:

1.2 Xerox Center

Xerox centers are a center of attention of any seminary in the world. Whoever it is, considers it as a most preferable place for office or college supplies. This existing system consists of manual work, students and instructors must visit the xerox centers with their documents to get xeroxed. If a printout is required one must mail the document to the registered mail ID of the retailer of xerox center. Another method is sending the documents on the registered WhatsApp number of the retailer. And then visit the center and get the documents printed. Later, after the documents are printed or xeroxed the consumer must pay offline for the documents as per the retailer's requirement. People also visit the xerox centers for stationary supplies. As mentioned above similarly for buying stationery products also a lot of crowd is generated near the xerox centers and again it is a tedious job for the consumer and retailer also. As we can see the existing system follows a manual process and thus a lot of physical conflicts can occur.

1.3 Education System

The online and offline functioning of the educational organizations consists of sharing study materials such as subject notes, assignments, previous year question papers, solutions, etc. And, the sharing of outstanding forms like railway concession forms, bonafide certificate forms, scholarship declaration forms, etc. The existing system also consists of sharing notice and results through different online applications. All this process is done manually else the study materials, outstanding forms, results, and notices are shared through applications like Google Classroom and WhatsApp. Hence, the existing system is time consuming and requires a lot of manpower.

1.4 Disadvantages of Existing System

- Time consuming:
Requires a lot of time as one must stand in the crowd and wait for their turn hence, time is wasted.
- Physical conflicts:

Unnecessary space is occupied, lots of people are gathered and hence a crowd is generated.

- Offline payments:

Payments are offline; hence, time is wasted while calculating daily earnings. No need of calculating the earnings and writing records on a piece of paper.

- Unnecessary crowd:

Offline payments and crowds can lead to unpaid xeroxed or printed documents.

- Non-availability of products:

Non-availability of products can make consumers visit another xerox center.

- No records are stored:

Because of the crowd xerox center employees are not able to write daily earnings and keep a record.

2.1 PROPOSED SYSTEM

Digitalized world leads us to platforms which provide immense value, enabling us to connect, collaborate and broaden our minds.

2.2 Xerox Center

Above demerits can be solved by an idea of developing a web application for the different operations of xerox centers in the organizations. This proposed system consists of 4 users in it, Admin, Faculty, Students, Xerox Center retailer.

A. Admin: This module consists of super user/admin who has access to the overall system function areas. Admin has authority to add or remove users in this system such as students, faculty members and xerox centers. A dashboard is provided to admin where he/she can get overall information of the system. Admin can upload documents and give access to users. Also, he can upload notice related to the system and college.

B. Faculty: This module is for faculty members of college. Faculty members can upload documents like lab manuals, subject notes and other resource documents which are helpful for students and faculty. Faculty can upload notice to a department, and it can be related to exam results or anything. Faculty is also an end user in the system, where they can also place orders.

C. Student: This is the module for college students. College students who enrolled can use this system to place the orders to the xerox center. Classified documents are stored in this system like study material or college forms etc. to make printing mechanism efficient. Students can also upload personal documents. System also provides real time notification where students can know the order status. Prepaid payment system is provided.

D. Xerox Center: This module refers to the xerox person who controls the orders. Orders are prioritized by the number of pages in it. The xerox person has the authority to cancel the orders. The Xerox person can also view his daily earnings and can upload notices.. DPC also provides a platform where consumers can buy stationery accessories. Given the dismal state of current circumstances, it is discernible that the students and the organization need a path breaking idea which can help make xerox centers a place of safety.

2.3 Education System

Digital Photostat Center also provides functionalities for efficiency of the education system in an organization. Faculties can upload study materials like subject notes, assignments, previous year question papers, solutions, results, etc. Each faculty can have access to the resources of previous faculties. Not only study materials but faculties can also upload notices related to academics. Similarly, Admin can also upload notices which will only be visible to the faculties. Admin can also upload all kinds of outstanding forms, which can be visible to the students. Students can view, print, and download the study materials and outstanding forms. Hence, while using DPC there's no need of using extra applications like Google Classroom and WhatsApp for uploading study materials, notices, results, and outstanding forms. Here all the processes are followed digitally.

2.4 Advantages and features of proposed system

- Less time-consuming:

Requires less time as all the operations are performed automatically and hence, no time is wasted.

- No physical conflicts:

Unnecessary space is not occupied, no people are gathered, and a crowd is not formed.

- Prepaid Payment system:

Prepaid system leads to cashless payments and makes calculation of daily earnings easier.

- Printing mechanism:

Only paid documents will be printed or xeroxed.

- **Availability:**

Availability of the products can be found on the website itself.

- **Storing of records:**

All the records are stored and managed in the database.

- **Document Security:**

The Xerox person cannot view the documents. Hence the documents will get printed without viewing them.

- **Bifurcation of documents:**

For Faculties the documents will be bifurcated like personal and official.

- **Storing of documents:**

The end users can store their personal documents in the system called Doc vault.

- **Scanning of documents:**

The end users can scan their documents in the system itself..

- **Sections generated:**

Sections like A B C D E will be generated and accordingly the documents will be bifurcated with the generated section and order ids.

- **Access to other xerox centers:**

Due to some technical issues or admission issues if the admitted xerox center is offline the end users will get access to other xerox centers in the campus.

- **Prioritizing the order:**

Orders will be prioritized, as the official documents and orders by faculties will be prioritized first.

- **Dynamic cost estimation:**

Xerox centers can estimate the overall profit and loss. As the daily earnings are calculated and stored. Cost is automatically estimated depending on the printing parameters. Xerox centers can estimate the overall profit and loss. As the daily earnings are calculated and stored.

- **Time Restrictions:**

The end users will be restricted to place orders after a certain time limit in a day.

- **Avoidance of third-party applications:**

No extra applications will be required to be used like Google classrooms, WhatsApp, Gmail, and Google Drive.

Below is the Flow chart of the Digital Photostat Center, where it shows the overall flow of the system:

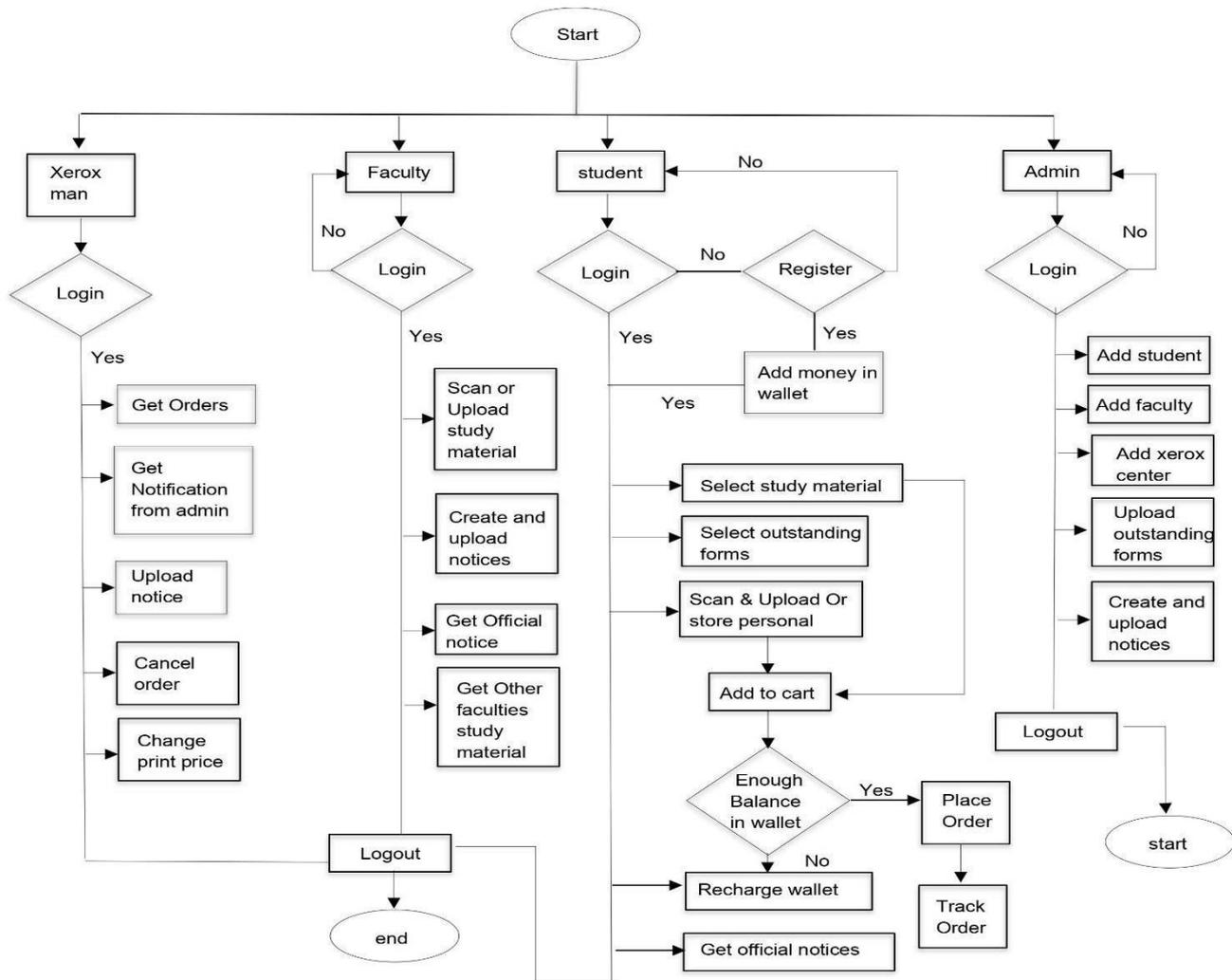


Fig 1: Abstract Flow chart

3. CONCLUSIONS

The problem of xerox centers in organizations can be eliminated. It will, however, take some time and a combined effort on the part of many people.

Organized and well-functioning of the Digital Photostat Center can help not only students but faculties and even xerox center employees. India is anticipating growth in such a way that people have access to mobile phones and laptops than that of electricity at home. As far as we know COVID is a key concern in India nowadays. There's no clue when it will end, and even if it does one has to take precautions for it. Hence, we conclude that this project is our step towards a digital and safe India.

REFERENCES

- [1] We've solved a real time problem, so there are no previous research papers on it.