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E-Copy : Automated Printing System

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ABSTRACT

"E-Copy: Automated Printing System" is a mobile application which can be used on any device having a web browser and access to the internet. The web-application focuses on developing a platform which can be accessed easily without any technical computer knowledge. As we all know every college students need a printout. In our college whenever a printout is required, students has to wait for the print to get out of the crowd for too long. And sometimes even after standing in a crowd, work does not work. And sometimes students have a lot of time waste to take out printouts. So "E-COPY" provides a platform to overcome these activities. In this project we are developing mobile application for printout the any file or documents and Xerox.

Keywords : Automated Printing, E-Printing, E-copy, Online Printing, Xerox.

I. INTRODUCTION

In this project, we create a mobile application for printing that can be very time efficient for students. Initially, our project will allow the any user to registered and use this useful application. We have provided our solution to thousands of educational institutions. Admin need to login with their valid login credentials first in order to access the web application. Admin can view or delete a registered user. System allows admin to view printing job list and approve or disapprove printing job. User can login into the system and perform task such as upload document for printing, and send printing request, view printing jobs, printing status. A person at release station prints the desired requested document. Application handles load balancing on every printer on the network. Then the admin will print it and tell the user that your print is ready and then the user go and take his print.

Goals and Objective

- To provide a mobile application for printing the documents by the stationary.
- To reduce clerical work, as most of the things will accomplished automatically with the help of application software.
- To minimize time for processing of various tasks during printing.

II. LITERATURE SURVEY

SmartPrint can manages all the printers in an office building, and it provides friendly service for the users who know nothing about the printers. SmartPrint can also automatically choose printers for the office staffs. We propose and implement two printer allocation methods, one aims to improve the experience of the user with short print job, and the other is a multiple attributes decision algorithm which considers all

factors including spatial information that impact the user experiences. Through experiments we validate the methods, and prove that SmartPrint achieves high user satisfaction from collected real data [1].

The data related to automation was collected with the help of survey conducted in 15 printing organizations situated at Delhi NCR and Baddi (Himachal Pradesh) region. The data was collected with help of questionnaire consisting of 9 Questions. Results indicated that in prepress the DI (Direct Imaging) presses can be the future. Drip-off, spot UV(Ultra Violet) effects job, UV double cotter machines, PDCS(Palomar distant cluster survey) automatic density measuring system, latest rotary machines, ACME folders and gluers and photopolymer plate for online spot UV are another few automation techniques which can play a big role in sheet-fed offset printing industry market[2].

The prototyping desktop printer can be manipulated with ease to print out various patterns on the selected papers as desired under control of the computer software. Particularly, paper with advantages of flexibility, low-cost and recyclability was investigated as a highly suitable substrate material for printing electronics. This may lead to the concept of Printed-Circuits-on-Paper PCP).The present work paved the way for a low cost and easygoing method in directly printing paper electronics. There currently lacks of a way to directly write out electronics, just like printing pictures on paper by an office printer [3].

This paper describes a method to distinguish documents produced by laser printers, inkjet printers, and electrostatic copiers, three commonly used document creation devices. The proposed approach can distinguish between documents produced by these sources based on features extracted from the characters in the documents. Hence, it can also be used to detect tampered documents produced by a mixture of these sources. We analyze the characteristics associated with laser/inkjet printers and electrostatic copiers and determine the signatures created by the different physical and technical processes involved in each type of printing. Based on the analysis of these signatures, we computed the features of noise energy, contour roughness, and average gradient. To the best of our knowledge, this is the first work to distinguish documents produced by laser printer, inkjet printer, and copier based on features extracted from individual characters in the documents. Experimental results show that this method has an average accuracy of 90% and works with JPEG compression [4].

III. PROPOSED WORK

The “E-Copy: Automated Printing System” Will briefly describe the daily task in Xerox center it may be credit and Debit. It also helps to Manages all the credit-related activities in day to day life. This system will provide a simple, secure, automatic solution to that the stationary owner. With the help of this system stationary owners can run their own business in a good manner and security free.

In this E-Copy automated printing System. It has a login section first. This login section user and admin are used. The new user needs to register first then can use the system. Every admin will get a unique id and password. The admin can register with the help of unique id and password then it will go to their respective profiles, where have the various tabs to their responsibilities. Each and every section can verify by the admin even the user registration also. There are two modules they are Admin, User.

The intent of our project is that the as of now, no automated system is present for stationary for the

college. This is the first of its kind. Our project will be a simple android application that will be user friendly in terms of usage for the students. We are planning to achieve this by developing a printing cost that will completely online paying by the user.

A. Login and Registration Module

This module allows admin, and user to sign in by using a mobile number and password. Admin of the system is already registered; hence admin does not need to register. Also, user are not allowed to register on their own. With the help of the registration module, we can enter the system and see the different responsibilities.

B. Data entering and Document Upload

This module allows admin and user upload document, pdf file etc.

C.Payment Gateway module

This module allows admin to accept online payment and print of purchased customer.

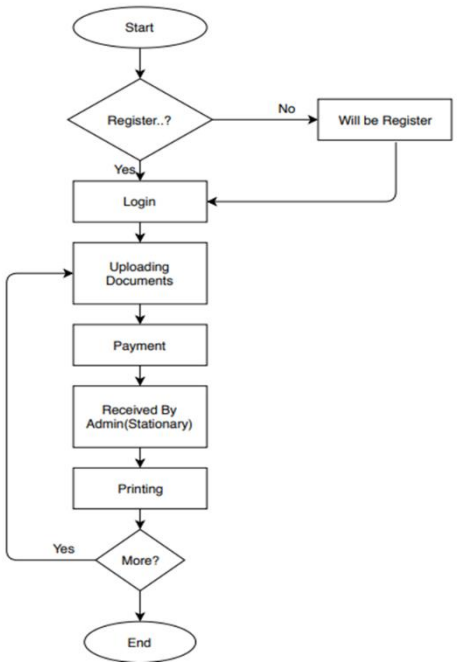

Fig. (a) Flowchart

III. CONCLUSION

The E-copy System helps in building an application for printing the documents via submitting online. It also focuses on time saving and reduce clerical work. It also has the facility to do the payments via online payment options.

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