DESIGN AND IMPLEMENTATION OF E-OFFICIAL CERTIFICATE FOR COLLEGE STUDENTS

Shankar Gadhve[1], Rohan Wahane[2], Ayushi Nitnaware[3], Pranjal Makeshwar[4], Akash Patil[5]

[1] Assistant Professor, [2345] UG Students
Department of Information Technology, Nagpur Institute of Technology, Nagpur, India

ABSTRACT

In past few years there is a rapid growth in the usage of internet and thus there is lot of works which is official or Non official related work through internet .This is advantage for many people as the information can access wherever needed .Now using new age technology and strategic approach, the concept of E-certificate is new concept to issue certificate to the person .Hence we developed the project for college students entitled with "to design and implement e-official certificate for college students". This project develop "E-Official certificates for college students through college" The system is a good solution to minimize the limitation of paper based certificate's .There is no need to transfer /post the original document to avoid the possibility of theft. The system involves users to register for the particular certificate. Using credentials to access the application the user is asked to login and a new user may sign up with general information such as first name, last name,

email and admission number. Example certificates like bonafide certificate ,character certificate , estimate certificate ,etc. In college management system -managing the data of students of entire college. Using the Data of student and Admission number which is unique for all students. Using the data of students, college / Institution will work and create there E-certificate. Fast delivery is one of specialty of E-certificate. Deliver the E-certificate through e-mail. It contains unique certificate number, photo of concerned students and online verification system. There are many Benefits of E-Certificate like Time saving, Ease of use, satisfaction security/privacy and proper usage, It is good solution to minimize the limitation of paper based certificate's ,etc .At present times all works are doing using Internet. Day by day usage of internet is increasing. So, in this project we are trying to understand the preferences for online working system.

Introduction

This project is a web based online service for existing college students for official use. The project objective is to provide service to students. It can be used by educational institute to manage the official E-certificate. During registration students make queue to submit the application

form and after when the certificate is ready they make queue to collect their certificate.

Hence, we came with solution that making this process completely digitalized. The proposed system involves users to register for the concern students application .Using credentials to access the application the existing user is asked to login and new user may sign up with first, middle and last name, E-mail id, and most important Student admission number which is unique. The creation and management of accurate, up-to-date information regarding a students'. College management staff will able to directly access all request from students through a secure, online interface in college website. This system will notify and informs about the current status of their certificate using SMS or email service. Using the online application of students after verification of student's application college staff will send students E-certificate to his/her E-mail id of student in the form of PDF with digital signature and college office stamp. It will helps students as well as college to Access anywhere through internet by using devices like PC's and android device.

Literature review

This project presents the critical analysis of the existing literature which is relevant to the Student academic curriculum based on college management system. Though, the literature consists of a lot many research contributions, but, here, we have analyzed some of the research and review papers. The existing approaches are categorized based on the basic concepts involved in the mechanisms. Finally, the findings are summarized related to the scanned and analyzed research papers. Chapter concludes with the motivation behind the identified problem.

Need of Project

E-official certificate system for students is the simple solution. It's a full featured web site which gives the flexibility. The basic concept of the

application is to allow the students to fill application form with required details using internet and submit to college admin department they will verify the application of students after the verification college admin department will Create students E-certificate same as the printed certificate with digital signature and college office stamp. Online application form for various e-certificate will available in home page where the student is fill directly online application to the computer usually via internet .There is no intermediary service. The process is completed electronically and interactively in real time. People in large number are doing online official work today and it is not only because there are number of application available, with high competition and also it is easy to navigate for searching regarding any particular item.

The main objective behind this project is to develop a web application which can provide online working features to the students as well as college/Institution. In other words, the aim of the project is to create virtual certificate or paperless certificate for students which will be available to them through internet.

Here are the key features of our system provided for users:
Display the entire available certificate on the home page.

- Admin has the authority to add and remove Application to list whenever needed.
- Admin has the authority to update the description of each certificate.

Construction

The system is divided in 3 modules are:

- Administrator
- Moderators
- Users

Processes:
The working of the proposed approach is divided into three modules and their roles.
The administrator is the super user of this

application. Only admin have access into this

admin page the administrator has all the information about all the users and about all products.
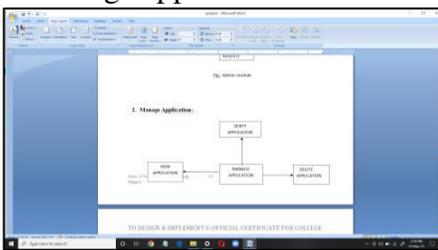
This module is divided into different sub-modules.
1. Manage Moderators
2. Manage Application
3. Manage Users
4. Manage Request

1. Manage moderator:
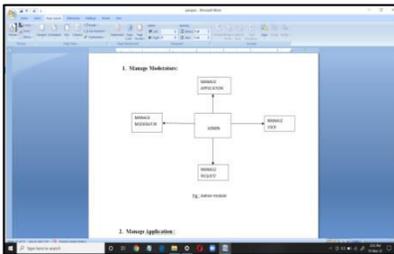
2. Manage application:

View Application: Admin will have a list view of all the existing Applications. He/she can also search for a particular Application by name.
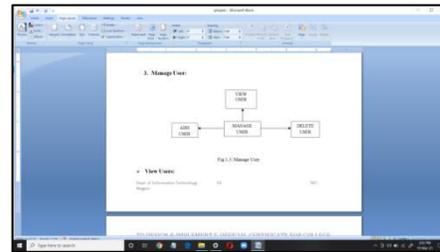
➢ **Verify Application :**

Admin can verify the application from students which will verify the application is correct or application is correctly filled or not.

➢ **Delete Application :**

Administrator can delete the Application which is incorrect. Based on the details of Students which is stored in college database.

3. Manage user

View user   The admin will have a list view of all the users registered in the system. Admin can view all

The details of each user in the list except password

Add Users: Admin has privileges to add a user directly by providing the details.
Delete Users: Administrator has a right to delete user in list from system.
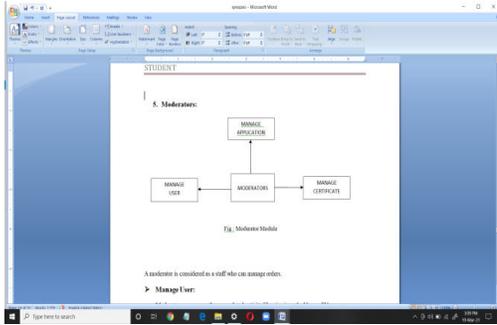
Manage application
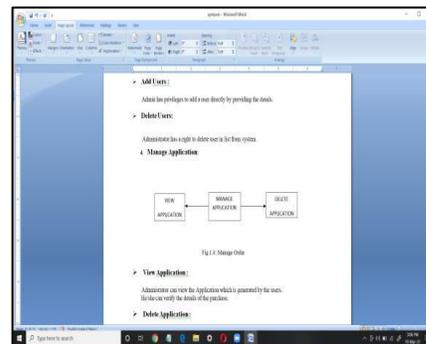
View Application:

Administrator can view the Application which is generated by the users.
He/she can verify the details of the purchase.

Delete Application:
Admin can delete order from the Application list when the required certificate is taken for Delivery.

A moderator is considered as a staff that can Manage   orders.

Manage User Moderator can manage the user related Activity like sign in and address of Users.

Manage Application: Moderator can manage the certificates generated by user.

Manage Certificate: Moderator may give facility to add and manage list of certificate.

User:

Registration: User will have register in the system, After providing system they can able to view the product and shop in the system.

Login: A user must login with his user id and password to the system after registration.

Problem Analysis

Analysis of the problem is the process of gathering the information; sort out the problems and using the information to recommend improvements on the system. Analysis of problem is a method to solving activity that requires intensive communication between the users and developers.

It becomes very tedious for the student from respective department to fill application form submits to college admin department and after that collect their document from college admin department they make queue. There is the possibility to may be application form for certificate not all filled, or half filled. Also,

collecting and handling the hard copy of certificate of students and status of each certificate is not manually feasible. Thus we need a system which the process is total computerized and display and even sends all such details to the current status of the certificate via SMS or E-Mail. As we have seen the situation of COVID-19 There is restriction to gathering of people in one place some students are live in out of city or state from their concern College/Institution. If such student want their Bonafide Certificate or Character Certificate on urgent basis. At The same times He/She are not able to visit personally to their College/Institution and concern student don't get the Certificate within a time and due to which student face problem.

IMPLEMENTATION:

LOGIN AND REGISTRATION :

In this page the user will register or login if the user id new he/she has to register than login using his/her credential.
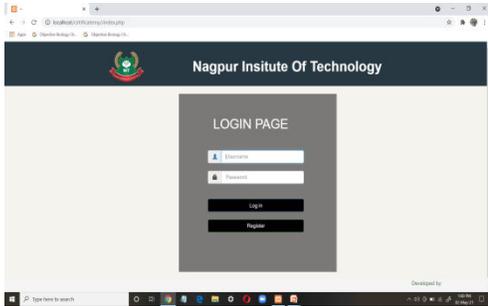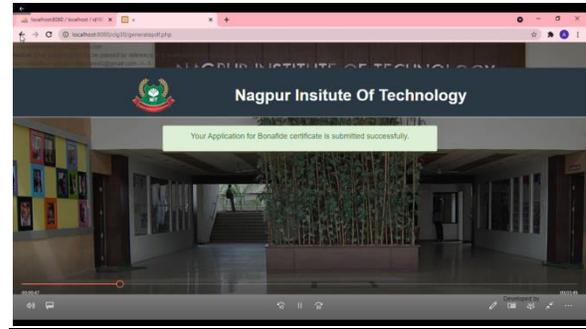

Fig 1:registration page

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Fig 2 : login page

Fig3: phpMyAdmin Database

Fig:4 Home page

Fig5: Application form

Fig 6:display message .
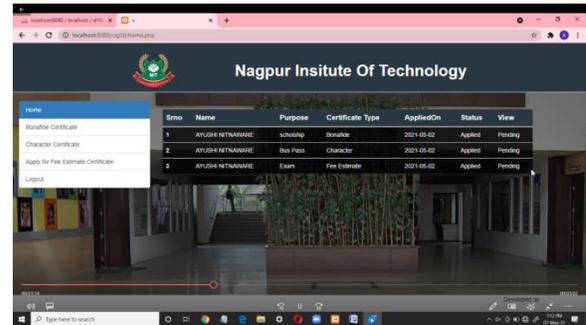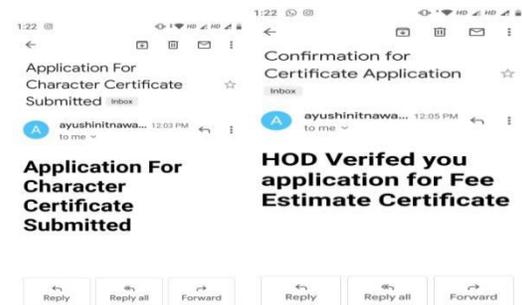

Fig7: applied certificates
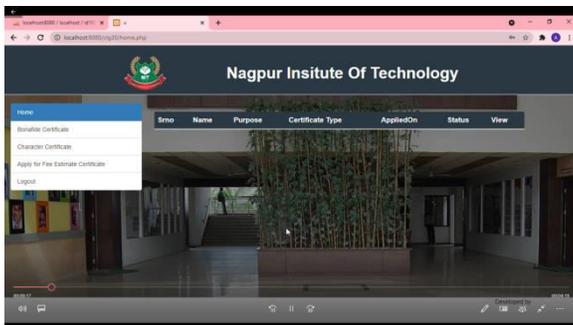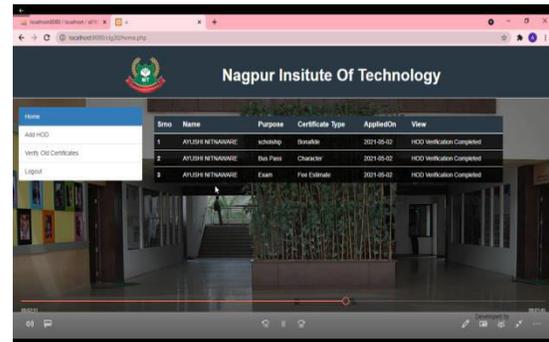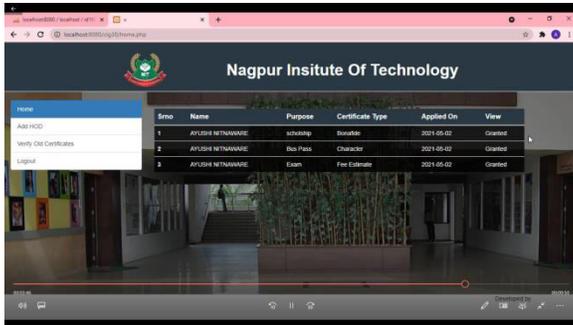

Fig 8:dept homepage

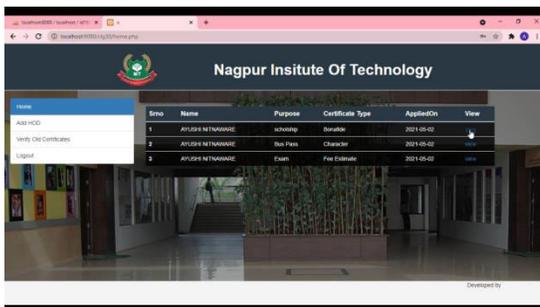Fig 9: notification mail

Fig10:grantedapplication
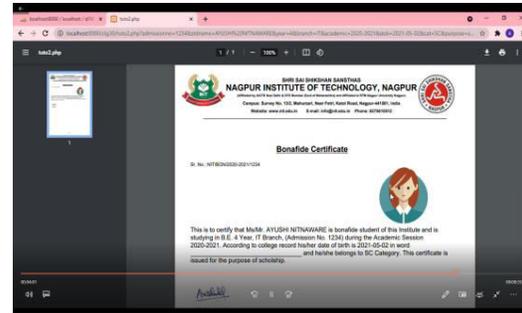
Fig12:sample output

Fig11:view certificate

Fig3: Database :the information is stored in the database i.e we here use the phpMyAdmin as the database.

Fig:4 Home page after login is shown to user after they login.

Fig5: this is the apply form in which the registered user will apply for the certificates i.e bonafide, character. fee estimate.

Fig 6:shows the message after applying for the certificate.

Fig7:this page shows all the applied certificates of the student

Fig8:this page is shown after the application is accepted by the HOD of the department.

Fig9: this are the mail delivered to the students notifying whether the application is accepted/submitted /verified by the department.
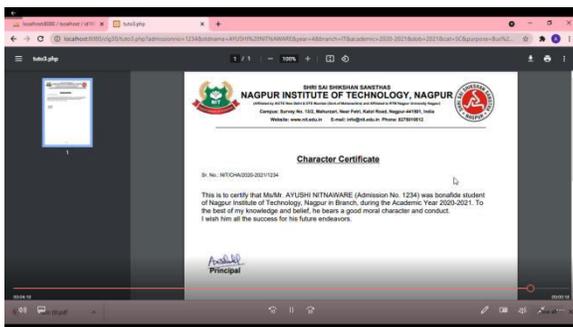

Fig13: sample output

Description of the above images

Fig 1:registration page

Fig 2 : login page: in this page user will login using his/her credential

Fig10: shows all the granted application of the students.

Fig11: in this page the student can view his certificates and can download it in the   pdf format.

Fig12: sample output of the bonafide Certificate generated by the ststem.

Fig 13: sample output of character Certificate generated by the system

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