B.TECH PROJECT REPORT

ON

"Admission Automation System"

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CANDIDATES' DECLARATION

We hereby declare that the work presented in this project report entitled **"Admission Automation System",** submitted as end-semester report of 6th Semester B.Tech. (IT) at Indian Institute of Information Technology, Lucknow, is an authenticated record of our original work carried out from January 2019 to May 2019 under the guidance of Dr.Vishal Krishna Singh. Due acknowledgments has been made in the text to all other material used. The project was done in full compliance with the requirements and constraints of the prescribed curriculum.

Place: IIIT Lucknow

Date: 29 Nov, 2019

                                        Anjali Kumari   **(LIT2016033)**

                                        Shubhi Agarwal   **(LIT2016036)**

SUPERVISOR'S CERTIFICATE

I do hereby recommend that the project report prepared under my supervision by Anjali Kumari (LIT2016033) and Shubhi Agarwal (LIT2016036) titled **"Admission Automation System"** be accepted in the partial fulfillment of the requirements of the completion of 6th semester of Bachelor of Technology in Information Technology for Examination.

Place: Allahabad

Date: 29 November 2019

Dr. Vishal Krishna Singh

Assistant Professor

IIIT-Lucknow

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➢ Abstract

The main objective of this project is to develop a method to use a personal computer to automate the administration procedures of an educational institute and effectively and efficiently manage student's database using a Web-based application. This project will enable the college staff to enter student's information in the system for each student at the time of admission. The staff will be able to manage the student's marks, fee information, personal information, hostel allotment and all other academic information which is usually done manually. The ID will be used to reference the student in all the functions of this application. Since the system is automated, there is hardly any room left for human error, thus minimizing any potential complications in entering information and maintaining records. So, we propose a software application that will have a simple interface that would be easily understandable to everyone with minimal cost and can be used in various education institutions for automating the administration work and efficiently manage the student database with minimal error possibility.

➢ Introduction

Various Methods of Admin Automation are available in the market. The most basic and widely used method is manual data entry and record management. In this system, the Admin Staff manually enters the student information in the register and maintains the records manually. This process becomes problematic if the number of students enrolled is very high. In the case of Engineering Colleges, the number of students enrolled in each academic year is approximately 800-1000. The price for commercial systems is very high and goes on increasing according to the number of students enrolled. So, small organizations, institutes, individual teachers, coaching institutes cannot use this easy method of admin automation without spending a lot of money. They resort to manual management of the students' information. The main theme of our project comes from the idea that we could build a software application that will save their precious time and be inexpensive, can be used in small scale. So, our idea is to develop a method to use a personal computer and a local server or a cloud server and a PHP based application that will automate everyday tasks of the Admin Staff.

The program will be tested to accept only correct information entered by students in the forms. All the data will be highly encrypted and will be isolated from any unauthorized access.

➢ Literature Survey

a. Half of the educational institutions in developing countries following the traditional method of managing information system with stand alone computer machines and store data in different departmental system due to lack of infrastructure. On these systems, the software implemented do not integrate processes and cannot interact to each other. In these kinds of system implementation no concept of service architecture being used.[1]

b. In the paper, "A Research Paper on College Management System" the author has come up with a structure for the system where the process of entering the information and viewing the information is elaborated. However, it has its demerits, as the system does not allow integration of the admission process or exam process that should be integrated for next level of automation

c. In the paper "Campus Information Systems for Colleges", the author has researched on a system that will help institutes integrate management system with a social module, which is not a requirement for all the institutes. It also integrates a Housing module which helps enables the institutes to manage the data for the hostels and other facilities.

d. The requisites of the student when he takes admission are:
   • Login to the system through the first page of the application.
   • View/change his/her details.
   • Admin login is present through which the official person can verify the details, modify , update and maintain the students information.

➢ Problem Definition

➢ In today's scenario the counseling of student Admission is done manually through hands by ink and paper, which take large amount of time and causes strain and struggle for the

administration. It is important and needed to Design an online Student Admission management System, to pace up the work and make it easy way to use system.

➢ Considering the number of students enrolled in an academic year in any institute, the administration, and management work is tedious, especially when it is done manually. The admin staff has to maintain the registers for the students and write all the information down. If anyone wants their information changed or updated, the same has to be done manually and searching the entry is very time-consuming task. If automation has to be done, there are existing systems which are very expensive and require constant maintenance and running costs.

➢ Also, if the record keeping is to be done manually, there is always a possibility of human error causing overall delays in the work process. Since there is a possibility of delay in the process, we cannot rely on this system for not causing any complications, when the staff is hastily trying to close the gap of the delay, which can lead to a lack of precision and unnecessary errors.

Objective

➢ The main objective of Admission Automation System is to offer an approach for easy and fertile management of all components included in admission.

➢ To ensure providing role based accessed rights to different users so that only concerned person is able to see the details enquired.

➢ To manages the five most important modules of any college management system which is Student, Account Section, Exam cell, AAA Section and Warden
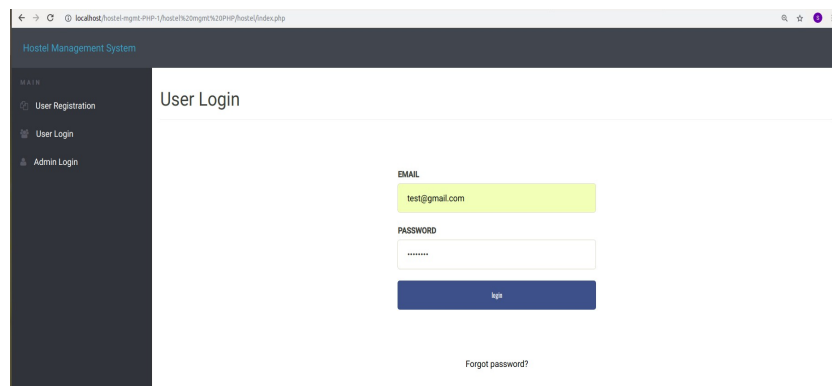
➢ Proposed Methodology

a. In Our System we are providing role based accessed rights to different users, many logins are created for the user based on their access rights. By this proposed system all the Forms, Admission forms, CGPA, Course list,exam schedule,hostel details etc. can be viewed from single system at any time. Thus it will reduce the time and preserves the workload and each student can able to see their report by just login profile. All the details regarding exam cell marks of each student are kept in single

System with additional security so that the only authorized person can access that system and notice related to exams for students are directly put to the student portal.
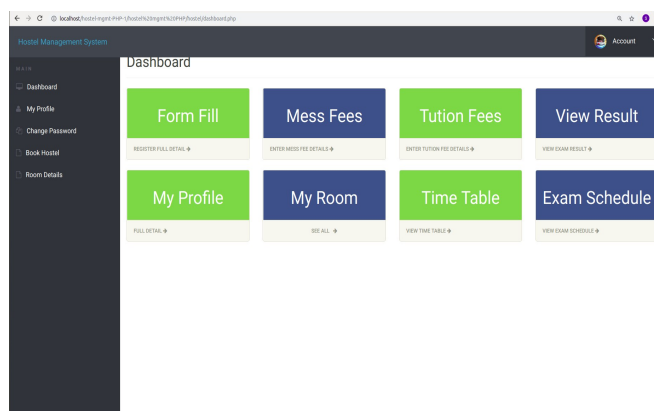
b. Our System manages the four most important modules of any college management system which is Student, Account Section, Exam cell, AAA Section and Warden. The system is given a role based access every user is having username and password which is used for accessing the system.

➢ **Results**

USER LOGIN

STUDENT'S DASHBOARD

FILL FORM

FILL PAYMENT DETAILS

VIEW RESULT

STUDENT'S PROFILE

CHANGE PASSWORD

ROOM DETAILS

	08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00		14:00-15:00	15:00-16:00	16:00-17:00	17:00-18:00	18:00-19:00	19:00-20:00
Thursday				probability_and_stats (L) abdullah sumitupadhyay 5154			C		theory_of_computation (T) manish 3202 3222 LT_3 LT_4	theory_of_computation (T) manish 3202 3222 LT_3 LT_4			
Friday				operating_system (L) bibhas.ghoshal 5154	operating_system (L) bibhas.ghoshal 5154		H		operating_system (T) bibhas.ghoshal 5206 5207 5254 5255	operating_system (T) bibhas.ghoshal 5206 5207 5254 5255			

BTech IT Sem III Sec B

	08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00		14:00-15:00	15:00-16:00	16:00-17:00	17:00-18:00	18:00-19:00	19:00-20:00
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BTech IT Sem V Sec A

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Tuesday		MPOE530C principles_of_economics (L) ranjitsingh 5206	MPOE530C principles_of_economics (L) ranjitsingh 5206	ICNE532C computer_networks (L) venkat vijayk sverma 5206	IGVC532C graphics_visual_computing (L) pavan 5206		U				ISOE532C software_engineering (P) sonali abhishek 5241	ISOE532C software_engineering (P) sonali abhishek 5241	ISOE532C software_engineering (P) sonali abhishek 5241
Wednesday		ICNE532C computer_networks (L) venkat vijayk sverma 5206	ICNE532C computer_networks (L) venkat vijayk sverma 5206	IAIN532C artificial_intelligence (L) anupam rkala 5206	IAIN532C artificial_intelligence (L) anupam rkala 5206		N		IGVC532C graphics_visual_computing (P) pavan 5242	IGVC532C graphics_visual_computing (P) pavan 5242	IGVC532C graphics_visual_computing (P) pavan 5242		
Thursday				IGVC532C graphics_visual_computing (L) pavan 5206	IGVC532C graphics_visual_computing (L) pavan 5206		C		ICNE532C computer_networks (P) venkat vijayk sverma 5242	ICNE532C computer_networks (P) venkat vijayk sverma 5242	ICNE532C computer_networks (P) venkat vijayk sverma 5242		
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TIME TABLE

Registration

FILL ALL INFO

Hostel already booked by you

Room Related info

Room no.	Select Room
Seater	
Fees Per Month	
Food Status	⦿ Without Food ○ With Food(Rs 2000.00 Per Month Extra)
Stay From	dd/mm/yyyy
Duration	Select Duration in Month
Total Amount	

Personal info

course	Select Course
Registration No :	108061211
First Name :	code
Middle Name :	test
Last Name :	projects
Gender :	male
Contact No :	8467067344
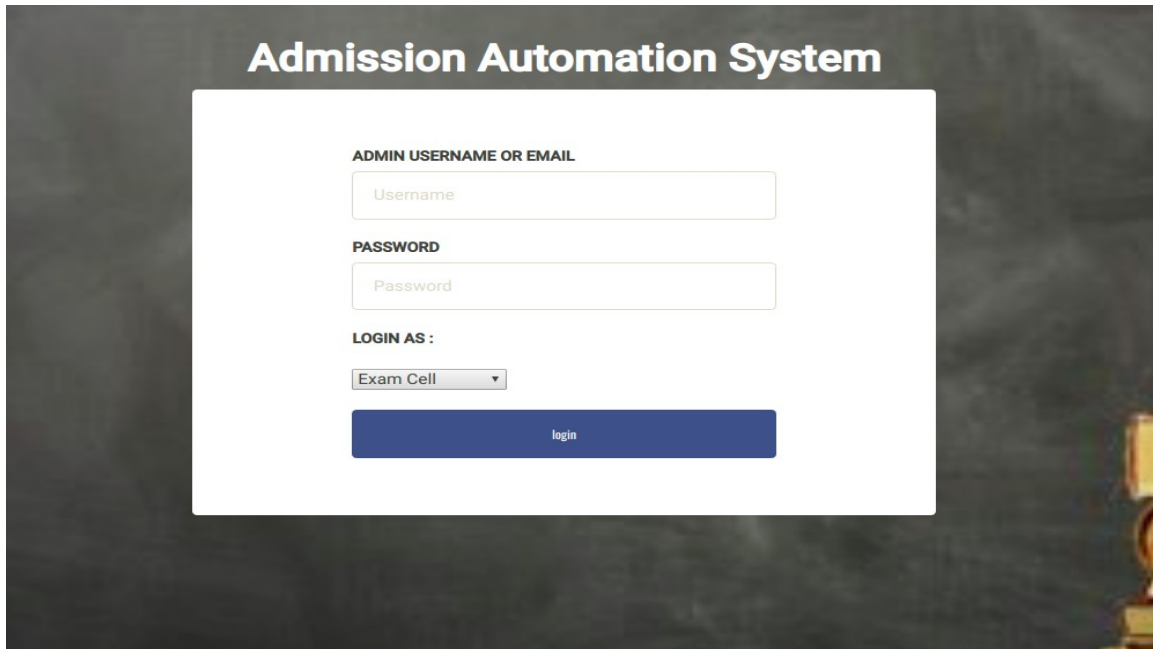
Dashboard
My Profile
Change Password
Book Hostel
Room Details

FILL ROOM DETAILS

ADMIN LOGIN

UPLOAD TIME TABLE AND EXAM SCHEDULE BY **EXAM** CELL

ADD ROOM BY WARDEN

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VERIFY ADMISSIONS

UPLOAD RESULT

LOGOUT

VERIFY RESULT BY AAA SECTION

IIIT LUCKNOW

Registration number	View detalis	Approval	Reject
lit2016033	view details	Approve	Reject
lit2016035	view details	Approve	Reject
lit2016036	view details	Approve	Reject

APPROVE REGISTRATION BY AAA
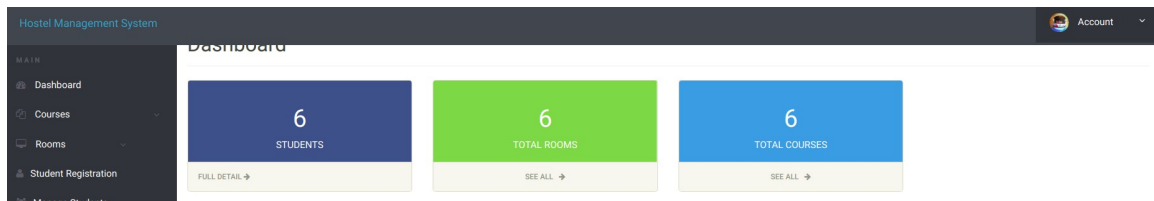
Hostel Management System   Account ⌄

MAIN
- Dashboard
- Courses
- Rooms
- Student Registration
- Manage Students

Dashboard

6 STUDENTS	6 TOTAL ROOMS	6 TOTAL COURSES
FULL DETAIL →	SEE ALL →	SEE ALL →

ADMIN DASHBOARD

Hostel Management System   Account ⌄
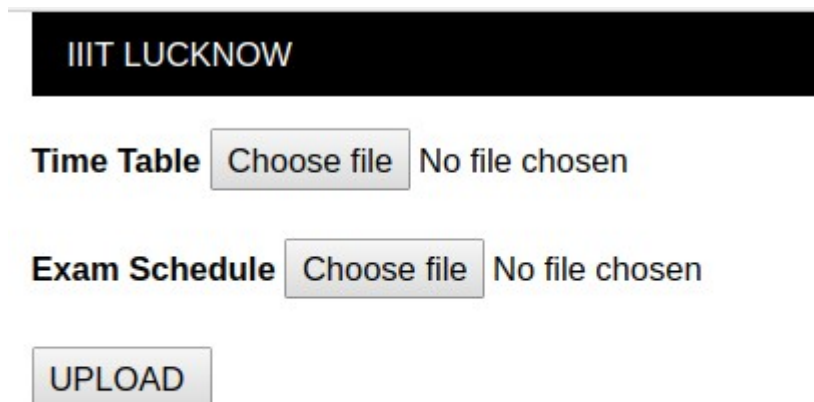
MAIN
- Dashboard
- Rooms
- Student Registration
- Manage Students

Admin Profile

ADMIN PROFILE DETAILS

Username	admin2

Username can't be changed.

Email	warden@gmail.com
Reg Date	2019-11-14 22:52:39

Cancel   Update Profile

CHANGE PASSWORD

old Password	
New Password	
Confirm Password	

Cancel   Change Password

ADMIN PROFILE

MANAGE COURSES

➢ Conclusion

By using Existing System accessing information from files is a difficult task and there is no quick and easy way to keep the records of students and staff. Lack of automation is also there in the Existing System. The aim of Our System is to reduce the workload and to save significant staff time. This System provide the automate admissions no manual processing is required. This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the man power required. It provides accurate information always. All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management providing the accurate results. The storage facility will ease the job of the operator. Thus the system developed will be helpful to the administrator by easing his/her task providing the accurate results. The storage facility will ease the job of the operator.

➢ Future Work

- We can make our website more dynamic and user friendly.
- We can add more security checkups to make institute's website more secure and can't be hacked or misused by unauthorized entity.

- By taking background details of students as input we can enhance the system to make predictions about how favorable this college will be in nurturing the student in extra-curricular activities .For example: if sports facilities are better apart from academics in college than student from sports background should be recommended for this college.

➤ Acknowledgment

We would like to thank our project mentor Dr. Vishal Krishna Singh for helping and guiding us throughout the process.

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