

Automation for Student Admission Process

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Abstract

In every educational institute or university conduct the admission process for student enrollment. This process carried out online manner but using manpower to enter the student details in that happen the mistakes and

take more time because to read one by one content and fill the form using typing and also to enter the scan document and sometimes student can fill the paper-based admission form and submit into the college and then college staff fill the online form using this information this process is very time consuming. So, in this project we use automation. Using automation, the admission process is carried out in that to get the student details via excel file, folder, images or pdf this is an input to the system and the system is read the file and fill that data into admission form automatically. This process works 24/7 hours. Student gets the automatically generated mail once the admission process is completed.

Keywords: Automated, Web Pages/portal, Student details, Auto-mail generation, Fast process.

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I. INTRODUCTION

The automation for student admission process is reduces the time that are taken is old process and also reduce

the human efforts. The college or universities conduct the online admission process in that to fill the admission form using typing but in this project the input of system is in file format it may be excel file, folder, image or pdf in that the student can write the information or student information available that is used in admission form like self-information, document, etc. That file is input of system and filled that information automatically using read and write method into admission forms so no human interaction to read information and write in admission form. And also reduce the crowd of student that are stand in queues and at a time take one student application in the form of paper and read the information available in that paper and then type in admission form it's a very time-consuming task so to avoid this because it not necessary student present at the time of form filling process only send a file to college and using this to fill the admission form automatically or student can register in portal and send file through portal. Then the system can send the auto-generated mail to the student so the student aware the admission process is completed. And all process is automated so it is very secure and fast.

II. EXISTING SYSTEM

Today in college's student details are entered using manpower in online admission form and this task of form filling is very time consuming because the process is very lengthy firstly to collect the hard copy of student data and fill that data into admission form using typing method in that chance is happening mistakes. In this system the man power is required to fill the form so this process is required more time and also happens the mistakes. In front of system the user can sitting and filling the form all time and in one day many forms filling process is not possible.

III. PROPOSED SYSTEM

The main goal of the system is to automate the process carried out in the organization with improved performance and realize the vision of paperless admission. In this project the automation technique is used for the process of student admission form filling is happen automatically in that the system is accept user data is as an input through a excel file, PDF and that data read and filled automatically into that form or domain. In this project the student admission domain (website) or system is useful for colleges in that the colleges take students information as file and that information filled automatically into that admission form using automation. The

form filling process is very fast using automation because only input give to the system and automatically one by one content is filling into the admission form.

IV. METHODOLOGY

4.1 Web Pages

Web pages means a website/portal in that the admission form are present and also details like student can send their information through website to admission sector that are conduct the admission process and also information about student how many students send applications, pending application, completed application, student queries, etc. different sections are available in that.

4.2 Communication

The communication is in between student and colleges if student have any query or complaints regarding to admission or application, they can fill feedback form.

4.3 Tool

Tool is used for to automate the process in that to generate the command for the data is filling into the form is automatically. This is used for to create a programming in that to create a command.

4.4 Database

To store the information that is student information. The admin can give view and edit rights data will be stored securely and we can easily access any file from any place at any time.

4.5 Data Management

Data management allows user to store data in database where it can be accessed.

4.6 Human Resource

Anyone who wants to apply for admission can apply online through the portal they can register and send the file in that student information is available. Firstly, student can register for application and then send the file through portal. Then that student is inserted in pending application once the admission process is completed then student give the mail.

V. WORKFLOW OF SYSTEM

5.1To create a website that is registration form, login form, admission form, etc. firstly to create all that through these pages the admission process is carried out. This website is used for any colleges, university or private sectors.

5.2Then next is to create a programmingwith the help of tool through this to automate the admission form filling process the all content is available in the form is filling automatically.

5.3Through website to collect the student data in the form of excel file and give that file is input to the system and using read write method the form is filling automatically. In the excel file the student information is available this information is all student data that are required for admission.

5.4Once the data is collected then that data is filled the automatically in the admission form the system is automatically open the excel file and read that data one by one and fill that contentautomatically in the admission form at the time of content filling the message box is shows what content is put into the field and without message box the form filling process is completed quickly.

5.5In excel file the data is stored in the form of one student or you can store the multiple student data in one file with the help of these the multiple admission can complete with a minute. You can give the input as a one file in that one student data are available or multiple data are available.

5.6The admission process is completed then send the auto-generated mail to the student in that the admission is completed successfully message available. The auto-generated mail is for to inform the student the admission is completed. And if student have any query then they can send the query with the help of feedback form in that they student query is resolve.

5.7Once the all process is completed then message box shows the message admission completed successfully and in that time the process is stop.

VI. MODELING AND ANALYSIS

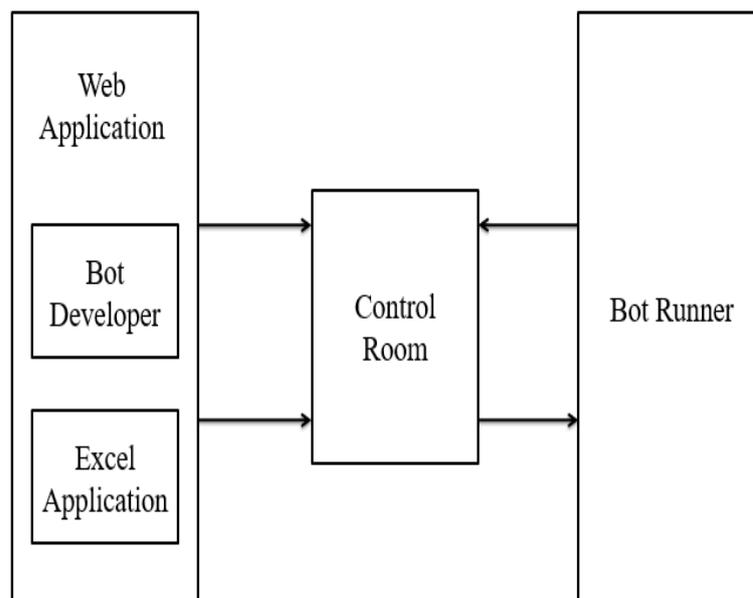


Figure1: Architecture Diagram

It offers a centralized management system by using its control room. The architecture is separated into two components, Bot Creators and Bot Runner. Both components are attached to the Control Room and It acts as a controller that controls the entire execution. All of the automated tasks are uploaded in the control room. Control room further manages and schedule the execution of the task. Bot runner is used for execution. And excel application is use for to collect the student data in excel file this file is input to the system this data is automatically put into admission form. And the web application means website in that different web pages are available i.e. registration form, login form, student admission form, and student send the application through website through send your application form is also available and also student status are available that is new applications, pending applications, completed applications.

VII. ADVANTAGES

6.1 Reducing Time In Activities

The admission form filling process is automated so in admission form the content is inserted automatically because of that the time is required less in form filling as well as in other activities that are conducted for admission.

6.2 Energy Saving

The process is automated so the in admission form the data is filling automatically in that no user enter the content in admission form so the energy is saving.

6.3 Improved Working Method

The overall process of admission is carried out online and automatically in that user can send their data in excel file and that data is fill automatically in admission form in that no human participation so mistake is not happening because of that the improved working method.

6.4 It Is Most Reliable

The process is very reliable due to limited human participation.

6.5 It Increases The Quality In Work

The students can submit the excel file and in that the student data are available that are required in admission and that file is directly input to the admission form using this the admission form can be filed automatically so all information is accurate and no happens the mistakes because directly in that the quality of work is increases.

VIII. RESULTS AND DISCUSSION

This project is built for automating the processing of admission. It also enhances the speed of performing admission task easily. It also generates the mail it's an autogenerated mail while admission process is completed then the auto-generated mail is sent to the student and add that student into completed list. And database to store this information in SQL database and system gives this stored information to respective client as and when required. This system will enable a more effective way to capture the information. The presented system automates the processes of capturing and generations of the information related to student so any student register and send the file then system can add that student into pending application and capturing all information related that student to fill admission form and once it complete then generate the mail. This system can be used in different sectors. In the website many pages are available in first page the different options are available that are student registration form, firstly student register then next page is login form is for student send application means excel file, pdf, etc. in that the student data are available and that data is used for admission, Next form is admission form with the help of this form the student admission is completed, applications list, etc.

IX. CONCLUSION

By using automation for admission process to reduce time and also human efforts. The admission process is automated then mistakes is not happening so the by default increase the quality in work and the applications handling process is now flexible to handles the number of applications because the it is an automated process so it's working time is 24 hours. This is used in university sectors, institutional sectors, any private sectors that are conducting the admissions. This is beneficial for admission sectors and also student because it saves the energy and most reliable. The work done in this project can act as a base for further improvement to increase accuracy in admission process and it is a fast because it is a automatically put the content into admission form as compare to typing method.

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