

AUTOMATION OF COLLEGE ADMISSION PROCESS

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Abstract – In the olden days all the educational institute were carrying out the admission process manually. Performing the operations such as searching for a particular student was difficult and also modifying the students record was also difficult because each modification needs to be either overwritten or written in different place. Searching the appropriate record creates a sort of ambiguity.

In this paper we have proposed an automated tool which is webpage design and provide various details to the user. The user interacts with the webpage by giving the appropriate login name and password, further webpages display various options such as eligibility, promotion, fee details, report and so on. The user can interact with ant options and generate the required output.

Key Words: Admission process, Automation activity, Report generation, Eligibility, Promotion.

1. INTRODUCTION

Today all the work at the time of admission of the students is done manually done by pen paper, which is very slow and consuming much effort and time. In today's world of technology computer are affecting our lives in more ways than we probably are aware of computerized management maintaining information of and educational institute, colleges other the list is endless. In the olden days all the educational institutes were carrying out the admission process manually. Performing the operations such as searching for the particular student was difficult and also modifying the student record was also difficult because each modification needs to be either overwritten or written in different place. Searching the appropriate record creates a sort of ambiguity.

Developing an automated admission system that is of importance of college as well as students. In this advance era technology, we are reducing excess taken in admission process by making it automated

2. LITERATURE SURVEY

The paper [1] discuss about a hybrid recommender system which is based on data mining techniques and knowledge discovery rules for tackling college admission prediction

problem. The authors also discuss about the analyze of system merits, student background, student records, and college admission criteria. The paper helps us to know about various activities related to the admission system in the college. The method suggested in paper [1] is appropriately modified and used in our work.

The paper [2] discuss about the objective of this project is to develop a method to use the personal computer to automate the admission procedure of an educational institute and effectively manages student database. The staff will be able to manage the student marks, fee information, personal information and all other academic information which is manually. This paper helped us to understand the process and maintenance of the admission process.

The paper [3] discuss about of student admission process based on automation, the admission process is carried out in that to get the student details via excel file, folder, images or pdf this is input to the system and the system read the file and fill that data in the admission from automatically. The authors also discuss about the students getting the mail automatically generated once the admission process is completed. This paper helped us to carried out the student details in admission process.

The paper [4] discuss about automated online admission management system based on web platform to manage the complete admission procedures. Through this software we are trying to overcome paper work and focusing on digital work. The author also discusses about the unique PRL wood provide unique identification of the student who uses the system. This system is built with various modules which deals with managing admin and student information, managing the admission process.

The paper [5] discuss about web-based college admission system is based on web unbaled software manage the entire operations of an institution it connects all the various departments of an institutions and authors also discussed about web-based technology using which we can the notification given by the institute the unique identification number the person who is using system. This paper helped us to understand web-based technology and also manages the operations of institution in admission process.

The paper [6] discuss about developing an online college admission system that is of importance to the college as well as students. In this era of technology, we are reducing manually work and excess time taken in admission process by making it as online process. The authors also discuss about the analyze of student revaluation as well as photocopy. This paper helped us to understands the importance of college management as well as student admission.

The paper [7] discuss about development of automatic online admission management system on web platform to manage the overall admission process. The unique PRN number which is permanent registration number is sent for the applied candidates. The author also discussed about the automatic online admission which benefits the student as well as institute in admission process.

The paper [8] discuss about the web-based application in which student can register and it manages all the student records this system stores the list of students along with relevant information. Admission management system helps to make the admission process much easier and helps in maintaining the database in efficient way. The author also discusses about with this system the total time of the entrance allotment become lesser and the admission process become faster.

The paper [9] discuss about the educational institutions to maintain the records of the student and information regarding student academics in the institute based on the student information system. The authors also discussed and analyzed about the development of the system easily understandable and usable by the students.

The paper [10] discuss about college admission based on web portal for proper college information then the number of students taking admission can be accesses easily. This system will also provide predication for the next or future year.

The paper [11] discuss about college automation system which will manage working of college management activity. The main objective of this project is reducing the manual work. The authors also discussed about the system given role-based access every user is having username and password which is used for accessing the system.

The book [12] referred is HTML and CSS the complete reference, which gives complete knowledge about markup languages and in our work, HTML is to create webpages, using CSS we designed webpages.

The book [13] referred is Sava seventh Edition using all the java features in developing our project java was designed to be easy to use and easy to write, compile, debug.

The book [14] referred is Fundamentals Of Database Systems is system for system software easy, efficient and reliable and data processing management.

The book [15] referred is Software Engineering defines as process of analyzing user requirements and then designing and testing software applications,

3. PROPOSED METHODOLOGY

Proposed tool interacts with the student and administrator and generates the various outputs which are further used in the other modules or by the external agencies. The required reports for the students, department and various departments in the office. The block diagram of this entire activities related to the web page design is shown in the fig 3.1

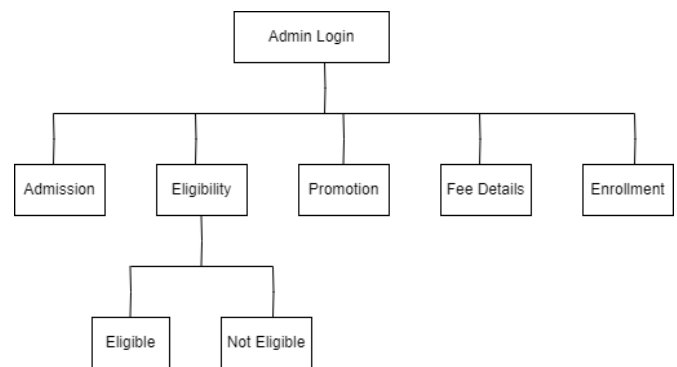


Fig 3.1: block diagram of collage Admission process

The web page design having a different module such as: Admin login, Admission, Eligibility, Fee details, Student status, Report. The details of each module is described in the following sections.

- **Admin login**

The login process for admin is carried out by providing the administrator privilege such as login name and password the administrator will have all types of admission such as read write and modify. During the login process after giving the expected login name and password the webpage displays the dashboard were in the different option such as admission , promotion, eligibility, fee details etc. are available

- **Admission**

The admission process for the student is carried out by providing the list of requirements and the requirements will be validated by the administrator and admin will have all kind of admission such ad read write modify. During admission process the admin checks eligibility of the student if the student is eligible the webpage displays the

dashboard were in the different options available such as promotion fee details.

- **Eligibility**

The eligibility process for the student is carried out by the list of requirements in this eligibility process the admin will check all the eligibility criteria of the student based on their previous year marks that is maximum of four backlogs for the promotion of next year. And only for the eligible student's application will be displayed.

- **Fee details**

The fee details process for the student is carried out by the admin and it is only accessible by the admin. If the student meets all the requirements, he will eligible and all the fee details will be displayed in the dashboard for the student. Once the student gets promoted it displays the mode of payment. It can be either online banking or any kind of payments.

- **Student status**

The work is carried out by admin. Here in the student status admin can view the details of the eligible and not eligible student the eligible student will be enrolled for the further process and admin can view the student who are not eligible for the admission.

- **Report**

The admin can view various details of the student, departments, and by giving the student register number he can view the marks details of the student. And any modification done by the admin will be immediately updated in the report.

4. RESULT & DISCUSSIONS



Fig 4.1: Home page

This page contains Home, About, Course, Admin login, Student login and Contact modules.

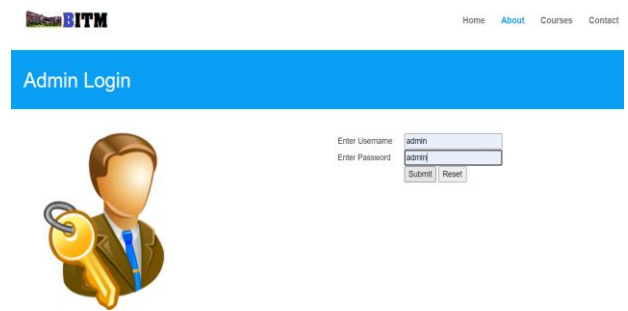


Fig 4.2: Admin login page

In this page admin can login into the system by giving username and password credentials.

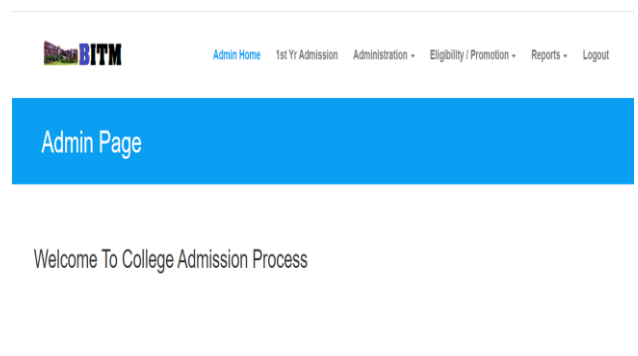


Fig 4.3 Admin login successful

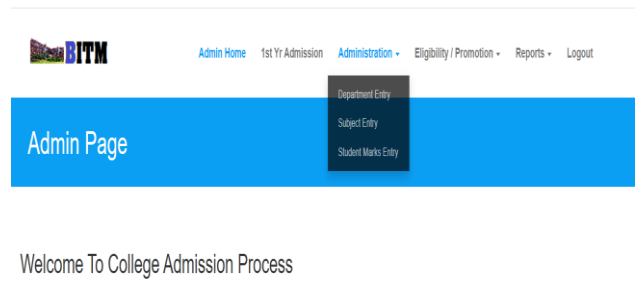


Fig 4.4: Administration

In this page after admin login admin can enter all the details of department, subjects, student marks.

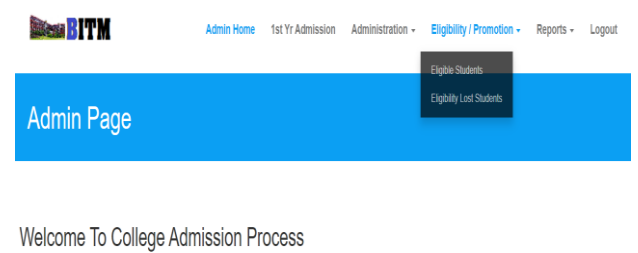
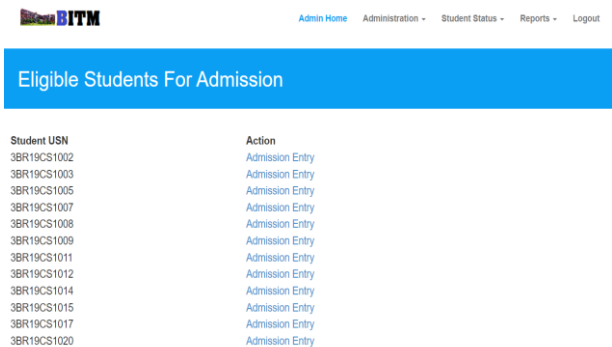


Fig 4.5: Eligibility

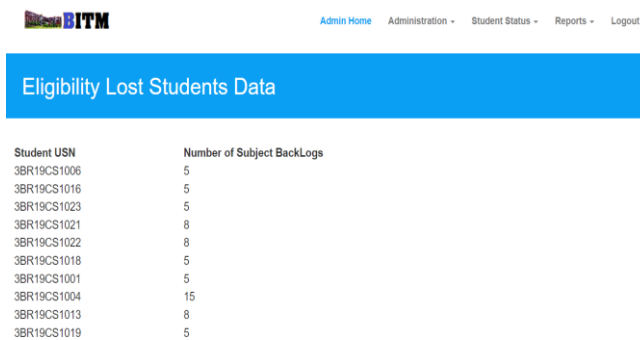
In this page admin can check the eligibility of the students and promotion will be done for the next year.



Student USN	Action
3BR19CS1002	Admission Entry
3BR19CS1003	Admission Entry
3BR19CS1005	Admission Entry
3BR19CS1007	Admission Entry
3BR19CS1008	Admission Entry
3BR19CS1009	Admission Entry
3BR19CS1011	Admission Entry
3BR19CS1012	Admission Entry
3BR19CS1014	Admission Entry
3BR19CS1015	Admission Entry
3BR19CS1017	Admission Entry
3BR19CS1020	Admission Entry

Fig 4.6 Eligible students

In this page all the eligible students will be displayed for next year promotion.



Student USN	Number of Subject BackLogs
3BR19CS1006	5
3BR19CS1016	5
3BR19CS1023	5
3BR19CS1021	8
3BR19CS1022	8
3BR19CS1018	5
3BR19CS1001	5
3BR19CS1004	15
3BR19CS1013	8
3BR19CS1019	5

Fig 4.7 Not Eligible students

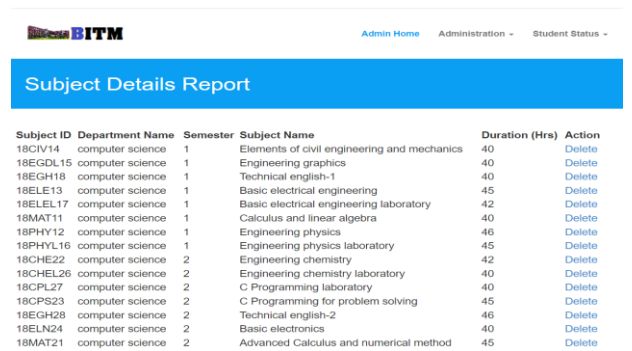
In this page all the not eligible students will be displayed.



Department ID	Department Name	Department Head	Department Phone No	Action
1001	computer science	Dr. R. N. Kulkarni	9886271084	Delete
1002	Electronics and communication engineering	Dr.Sadyojatha K.M	1236549852	Delete
1003	Electrical and Electronics engineering	Dr-B.S Khened	1235963196	Delete
1004	Mechanical engineering	Dr. venkataramana	8431301488	Delete
1005	Civil engineering	Dr. T.H.Patil	9988771334	Delete

Fig 4.8 Department details

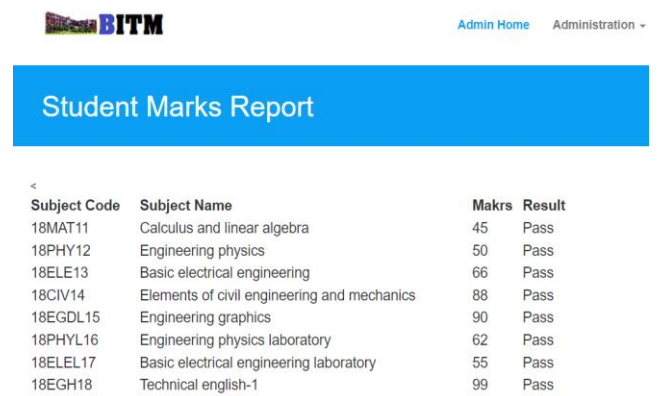
In this page all the department details will be displayed.



Subject ID	Department Name	Semester	Subject Name	Duration (Hrs)	Action
18CIV14	computer science	1	Elements of civil engineering and mechanics	40	Delete
18EGDL15	computer science	1	Engineering graphics	40	Delete
18EGH18	computer science	1	Technical english-1	40	Delete
18ELE13	computer science	1	Basic electrical engineering	45	Delete
18EEL17	computer science	1	Basic electrical engineering laboratory	42	Delete
18MAT11	computer science	1	Calculus and linear algebra	40	Delete
18PHY12	computer science	1	Engineering physics	46	Delete
18PHYL16	computer science	1	Engineering physics laboratory	45	Delete
18CHE22	computer science	2	Engineering chemistry	42	Delete
18CHEL26	computer science	2	Engineering chemistry laboratory	40	Delete
18CPL27	computer science	2	C Programming laboratory	40	Delete
18CPS23	computer science	2	C Programming for problem solving	45	Delete
18EGH28	computer science	2	Technical english-2	46	Delete
18ELN24	computer science	2	Basic electronics	40	Delete
18MAT21	computer science	2	Advanced Calculus and numerical method	45	Delete

Fig 4.8 Subject details

In this page all the subject's details will be displayed.



Subject Code	Subject Name	Marks	Result
18MAT11	Calculus and linear algebra	45	Pass
18PHY12	Engineering physics	50	Pass
18ELE13	Basic electrical engineering	66	Pass
18CIV14	Elements of civil engineering and mechanics	88	Pass
18EGDL15	Engineering graphics	90	Pass
18PHYL16	Engineering physics laboratory	62	Pass
18EEL17	Basic electrical engineering laboratory	55	Pass
18EGH18	Technical english-1	99	Pass

Fig 4.9 Marks details

In this page based on the student register number marks will be displayed.



BALLARI INSTITUTE OF MANAGEMENT AND TECHNOLOGY
 A unit of Tungabhadra Education Health And Rural Development Trust(R)
 JNANA GANGOTHRU CAMPUS
 No 873/2 Ballari Hospet Road Near Aikup, Ballari - 583104
 GSTIN : 29AAATTS138N1WZ | Receipt No7896

Student Name : NIKITHA	Academic Year : 2ND Section :
Course / Combo /Sem : COMPUTERS SCIENCE 3RD Sem	
Particulars	Amount (Rs)
Tuition Fee	95000
TOTAL	95000

Details are Well Explained And Paid
 For Principal
 This Is A Computer Generated Printout Which Require No Signature

Fig 4.10 Fee receipt

In this page fee receipt will be displayed.

5. CONCLUSION

In this paper a novel approach proposed and developed a tool in the form of web page which takes the required input from the student and its process. The input generates the required output as per the requirement of the college office, department and statutory bodies. The developed web pages is verified for its correctness and completeness.

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