College Admission Predictor

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Abstract—College Admission Predictor is a web based system in which students can register their marks along with their personal information. This helps to predict theiradmissions in colleges. Administrator can add the college details and their cut off details. Using this System, the entrance seat allotment becomes easier and efficient. It helps studentsto make right decisions for choosing their college. In which students can register with their personal information as well as marks details to prediction the admission in colleges and the administrator can allot the seats for the students. Administrator can add the collegedetails and the batch details. Using this Application, the entrance seat allotment became easier. The main advantage of the project is the computerization of the entrance seat allotment process. Administrator has the power for the allotment. The total time for theentrance allotment became lesser and the allotment process became faster. It helps student for making decision for choosing a right college.

Keywords—College, Admission, Seats, Admin

I. INTRODUCTION

Today all the work at the time of admission of the students is done manually , which is very slow and consuming much efforts and time. In the modern world of technology, computer are affecting our lives in more ways than we probably are aware of computerized management maintaining information of an educational institute, colleges, other the list is endless. The main principle behind the need ofcollege admission system is easy supervision of institutes. It can handle the details of students such as fee details or marks details. This Student Database has been designed taking into account the practical needs to manage a Students data. Moreover, it provides security at product level as well as user level. It is design concentrates on 2 types of users:

1. Admin
2. Student

II. OBJECTIVE

College admission predictor is a boon to many students. This helps the student not only to help in filling out the application forms but also give the students an idea about their future college by calculating their cut off.

III. LITERATURE SURVEY

This section includes the literature review of previous research on the assessment of student admission opportunities in universities.[1][2][3] Numerous programs and studies have been carried out on topics relating to university admission used many techniques which helps the students in the admission process to their desired universities. Previous research done in this area used to evaluate the success probability of student application into a respective university but the main drawback is they didn't consider all the factors which will contribute in the student admission process. The model thus predicted whether the aspiring student should be admitted to university on the basis of various scores of students. The main drawback of all the previous research carried out is that it only predicts the chance of admission of a student. A better system would predict the universities that a student might get into, rather than the chance of admission. In this way, a student would be able to apply to universities where they have a better chance at getting admission.

IV. SYSTEM ARCHITECHTURE

Fig.1and Fig 2 represents the detailed block diagram of our project.
The Student will log in with their name, e-mail id and score.

➢ Register: Student will register themselves to the system by providing name, email ID, marks etc.

➢ View College: Student will be provided an option to know colleges will show all the colleges based on his score.

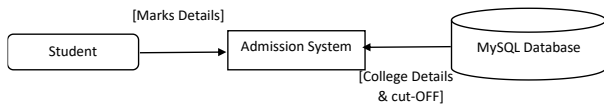➢ View Profile: Can view their own profile details.

Fig.1. Block diagram(User/Student Side)

In Administation part,

➢ Add College: Provide details for college like name, category, cutoff provided etc.
➢ Add Cut Off: Provide cut off for previous years.
➢ Manage / View Colleges: Update details for college and delete them if require.
➢ View Students: View list of students registered into the system.

Fig.2. Administrator Block Diagram

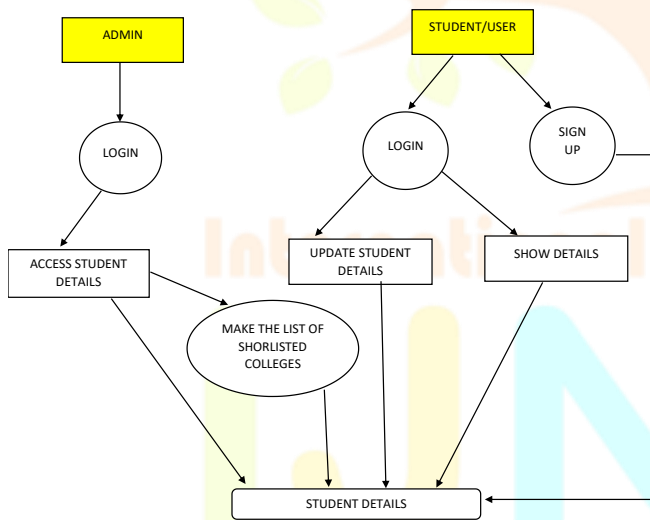The system design develops the architectural detail required to build a system.

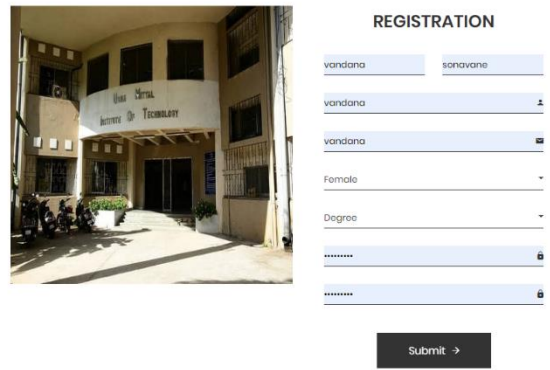Fig.3. System Architecture

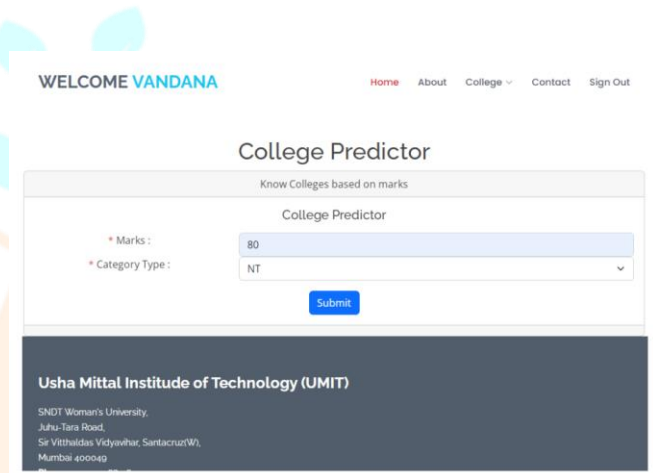Fig.4. Student Registration Page

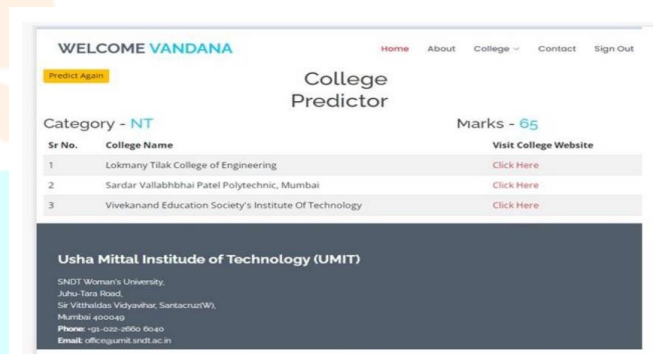
Fig.5. Students Marks and Category

Fig.6. Predicted Colleges List

V. DESIGN METHODOLOGY

System design focuses on the detailed implementation of the feasible system. It emphasis on translating design specifications to performance specification. System design has two phases of development logical and physical design. During logical design phase the analyst describes inputs(sources),outputs(destinations), databases (data sores) and procedures (data flows) all in a format that meets the uses requirements. The analyst also specifies the user needs and at a level that virtually determines the information flow into and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by

defining the design specifications, which tell the programmers exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data through call and produce the required report on a hard copy or display it on the screen.
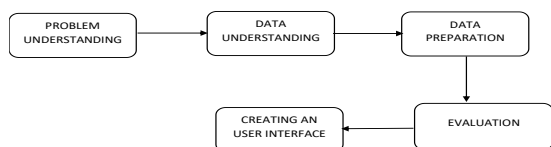
VI. METHODOLOGY

Fig.6. Methodology

We first need to understand the problems faced by students during the university application process and figure out ways to overcome them. Precise goals must be set. A clear path to achieve the set goals must be apparent. We will be using MVC Core 5, Database SQL Express Server, Management Studio 14 as a web framework with HTML for structure, CSS for styling and C# for backend.

The same system can be used for the Common Entrance Tests of other states and for other national level entrance exam by only changing the cut-off database of that exam. Proposed system benefits for the student admission community that accommodate the need of students to choose best college & helps colleges too to recognize their stand in attracting students and finer prediction implies better results for the students.

VII.CONCLUSION

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