**EDUCATIONAL INSTITUTIONS OF BANGLADESH**

**PROJECT IDEA:**

The present education system of Bangladesh may be broadly divided into three major stages, viz. primary, secondary and tertiary education. The government of Bangladesh operates many schools in the primary, secondary, and higher secondary levels. Now a days there are many Educational institutes in Bangladesh. when we need any information about a particular institute, its very tough to gather or sometimes we don’t get the proper information. There are many database for this purpose, but their database is focused on specific section like school or college or universities. To resolve this problem we have introduce such an database which includes all the necessary information about three-tiered educational institutes of Bangladesh.

**Objective :**

Our database is designed to search for information about different educational institutions of Bangladesh on the web. Anyone can easily search and get information about nationally significant schools, colleges, medical colleges, universities with undergraduate programs and vocational institutions of excellent quality. Our database consists of separate tables of information that are grouped by common association within the groups. We can easily reach out to students, faculties, guardians i.e the entire education management system through this database. This allows flexible selection of different groups as needed for different messages to groups of people.

General-purpose of this database aims to meet the needs of as many applications as possible which is the most cost-effective approach. Through our database everyone can be kept in the loop regarding current information and events of different educational institutions in Bangladesh. This database interacts with the user, other applications, and the database itself to capture and analyze data. In this database, you can access the indicators of education at a glance. For each of the following indicators, you can access different queries so as to display information in a more convenient manner.

In all the sectors student as well as their guardians find lots of trouble getting the admission information. With the increasing number of population, the number of students of our country is also increasing. But there is not sufficient number of educational institutions for them that is making the admission process more complex and competitive. This database will provide the students and the guardians all the up-to-date information related to admission process, sessions, tuition fees etc

**Target group:**

our database is mainly helpful for all types of people. but our main target groups are

* Students
* Teachers
* Faculty
* Guardian
* Staff

**Tools and language:**

**Front end :**

1. PHP

2. java script

3. HTML

**Back end :**

1. Oracle
2. SQL developer

**Features :**

The word feature stands for a prominent attribute or aspect of something.

Databases are used to support internal operations of organizations and to underpin online interactions with customers and suppliers. Databases are used to hold administrative information and more specialized data, such as engineering data or economic models.

Our database management system will have several entity sets categorized in the frame of educational institutes in Bangladesh and have a bunch of attributes to meet up the search requirements of general people. Presently in the context of our country there are only a few database management systems based on educational institutes in Bangladesh.

We will be introducing such a database management system through our project which will benefit students, teachers, guardians and people of several spheres of our society.

Our entity sets according to current needs are :

* School

1. Primary
2. secondary

* College

1. Higher secondary

2. Technical college

3. Medical college

* University

1. Engineering
2. others

* Eligibility test for university

**School:**

**Primary school:**

The base of school system is five years of Primary education. Here we have includes all the primary school information of Bangladesh. A user can easily get any information such as

1. Contact information

2. Admission session

3. Address

4. Tuition fee

Of any primary school.

**Secondary school:**

Secondary school provides years of lower secondary(grades six through ten) conclude with a secondary school examination. We have include many information about college for target group. A user can easily get any information such as

1.s.s.c result

2. J.s.c result

3. percentage of fail of any school in S.S.c or j.s.c

4. Contact information

5. Admission session

6. Address

7. Tuition fee

**College:**

In college section we have min s.s.c result for take admission in college , board result, optional subject, total examinee and others required information. In medical college and technical college section we have included board result and category. Additionally Contact information, Admission session, Address, Tuition fee of any college can be get accessed by user any time from our database.

**University:**

**Engineering:**

Here information about engineering universities are shown.

Information are Institute name, admission test deadline, admission application deadline ,required HSC GPA , required SSC GPA .

After clicking Department button departments of that university are shown.

Here is filter search so that user can search universities by institute name.

**Eligibility Test For University**:

In this section a student has to fill a form providing some information such as HSC GPA , SSC GPA , Department name of HSC , Choice ( in which type of university a student wants to admit) . After submitting this form our website will show a list of university that a student can admit.

**Login:**

There are three types of login.

1. Admin section staff login

2. Admission Section Staff login

3. Faculty login

Admin section staff, Admission Section Staff, Faculty are employees of an institution.

**Admin section staff:**

Here admin Staff can edit or update his profile. He can add employees for his institution. He can add employees as a faculty member or admission section staff. He can update salary of an employee.

**Admission section staff**:

He can also update his profile and see his salary.

In profile section there are full name, rank , institute name , User name ,contact no, password ,address and qualification . Here address and qualification are multivalued. For implementing it we have used abstract data type in back end. All employees can update this profile.

**Faculty:**

Faculty can add courses. Faculty can also see the course details that he has added. In course details he can see course name, credit hour and total credit hour. He can also check that he has crossed the estimated credit hour or not. If not crossed then remaining credit hour will be also shown. For showing total credit hour and remaining credit hour we have used group functions. Like other employees faculty can also see his salary and update his profile.

**Conclusion :**

General-purpose of this database aims to meet the needs of as many applications as possible which is the most cost-effective approach. Through our database everyone can be kept in the loop regarding current information and events of different educational institutions in Bangladesh. This database interacts with the user, other applications, and the database itself to capture and analyze data.