

# **1. INTRODUCTION**

## **1.1 PURPOSE**

1. The proposed system is to make an online web portal for BIET, Jhansi so that everyone can get information about councils, students can easily participate in various events from anywhere.
2. The website minimizes the cumbersome task of manually registering the participants and provides the admin with all information about the participants and faculty can also keep an eye on various ongoing events of various councils at one place.
3. Students can register themselves from anywhere, just by opening the site over the internet.
4. Students can get information about upcoming events of various councils by simply signing in.
5. Students can also participate in the online quiz and some other events also. They can also download images of various events from photo gallery as well.
6. This website provides facility for the members of the council to post about various activities and also help them to display results on the same place under the supervision of faculty.
7. We save the valuable time of every student which are not able to go to the college for Registration.
8. Participants can easily communicate with their respective council coordinators, and can keep records of every participant easily and efficiently.

## **1.2 SCOPE**

1. This website provides an architectural overview of the working of various councils like C.S.C. , L.S.C. , F.A.H .
2. This website is generic, web based tool that provides a platform to the students to showcase their talents in the field of literary, art and cultural activities.
3. This website provides the facility for students to remain updated with various events on going in the councils.
4. It provides interactive functionality.
5. Administrative function will also be provided for Verifying Participant's detail, Faculty details, Member details and managing database.

## 1.4 DEFINITION, ACRONYMS & ABBREVIATION

1. **HTML (Hyper Text Mark-up Language):** It is used to create static web pages.
2. **SQL (Structured Query Language):** It is a query language that allows access to data residing in a database management system.
3. **Java:** It is a platform independent programming language.
4. **HTTP (Hyper Text Transfer Protocol):** It is a transaction oriented client/server protocol between a web browser and a web server.

## 1.5 TECHNOLOGY USED

**Server Side :** Java(JDK1.8.0), Servlet2.4, JSP2.0, EL, JSTL

**Client Side :** HTML, JavaScript, CSS

**Database :** MySQL 5.0

**Framework :**

**IDE :** MyEclipse Enterprise Workbench 8.6, MySQL GUI Tool5.0

## 1.6 REQUIREMENT SPECIFICATION

### Software Specification

#### Developer Side

<b>Operating System:</b>	Windows 8
<b>Application System:</b>	MyEclipse Enterprise Workbench 8.6
<b>Data Base:</b>	SQL Server 5.0
<b>Programming Language:</b>	Java

#### Client Side

<b>Operating System:</b>	Any
<b>Web Browser:</b>	Any

## Server Side

<b>Operating System:</b>	Any
<b>Web Server:</b>	Apache Tomcat

## Hardware Specification

### Developer Side

<b>Intel p4 or equivalent:</b>	2 GB RAM
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### Client Side

<b>Intel p4 or equivalent:</b>	2 GB RAM
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### SERVER SIDE

<b>Server Environment Capable Hardware:</b>	2 GB RAM
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## **2. OVERALL DESCRIPTION**

### **2.1 PROJECT PERSPECTIVE**

#### **Visitors interface:**

Visitor is any unregistered student who visits the website. He/she can avail the basic facilities such as information about the councils running in the college, some information about the kind of events organized by the particular council and contact details of the coordinators of respective councils.

#### **Applicant interface:**

Applicant is any unregistered student who can create an Account and then apply for various events and provides his details.

#### **Member interface:**

Member is a unregistered coordinator who can register himself and then access the authority of posting various notices regarding the councils, updating events and results of the respective events under the supervision of faculty members.

#### **Faculty interface:**

Faculty can log in with their user id and password after registration. They keep an eye on all the events and supervise the results of their respective events. They also have the authority of responding to the queries of participants.

#### **Administrator interface:**

The administrator will have an administrative interface which is a GUI so that he can view the entire system. He will also have a login page where he can enter the login particulars so that he can perform all his actions. This administrative interface provides different environment such that he can maintain database & provide backups for the information in the database .He can register the new participants by verifying their details. He can also verify and register the Applicant with User id and password & by creating account in the database.

## **2.2 OBJECTIVES**

1. To increase the categories for Events and also to improve their level.
2. To include the Registration of Applicants.
3. To provide a platform to the students to showcase their talent in every field.
4. To maintain a record of everything in an efficient manner.

## **2.3 USERS OF THE SYSTEM**

In this CollegeBuzz system, the users are:

1. Visitor
2. Applicant
3. Member
4. Administrator
5. Faculty

### **i. Visitors interface:**

Visitor is any unregistered student who visits the website. He/she can avail the basic facilities such as information about the councils running in the college, some information about the kind of events organized by the particular council and contact details of the coordinators of respective councils.

### **ii. Applicant interface:**

Applicant is any unregistered student who can create an Account and then apply for various events and provides his details.

### **iii. Member interface:**

Member is a unregistered coordinator who can register himself and then access the authority of posting various notices regarding the councils, updating events and results of the respective events under the supervision of faculty members.

### **iv. Faculty interface:**

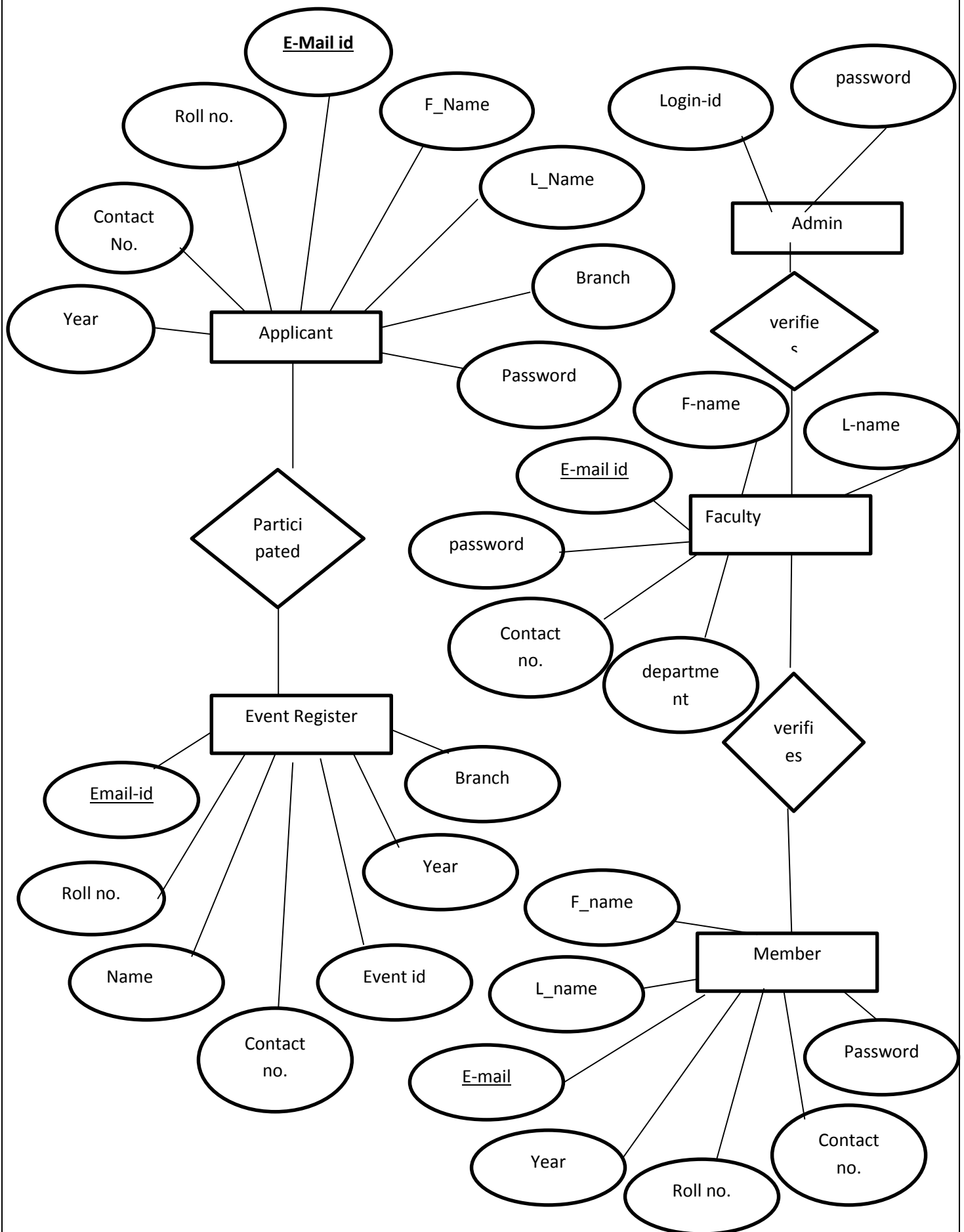
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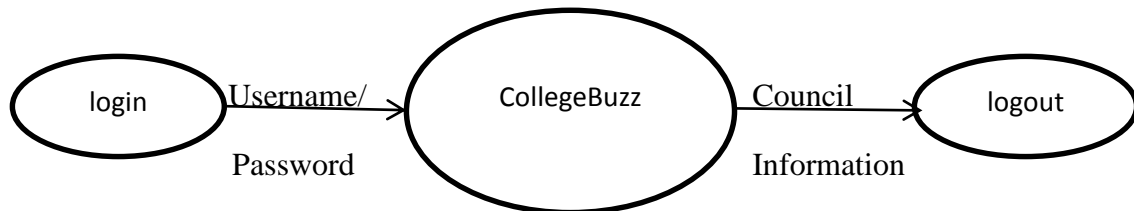
**v. Administrator interface:**

The administrator will have an administrative interface which is a GUI so that he can view the entire system. He will also have a login page where he can enter the login particulars so that he can perform all his actions. This administrative interface provides different environment such that he can maintain database & provide backups for the information in the database .He can register the new participants by verifying their details. He can also verify and register the Applicant with Userid and password & by creating account in the database.

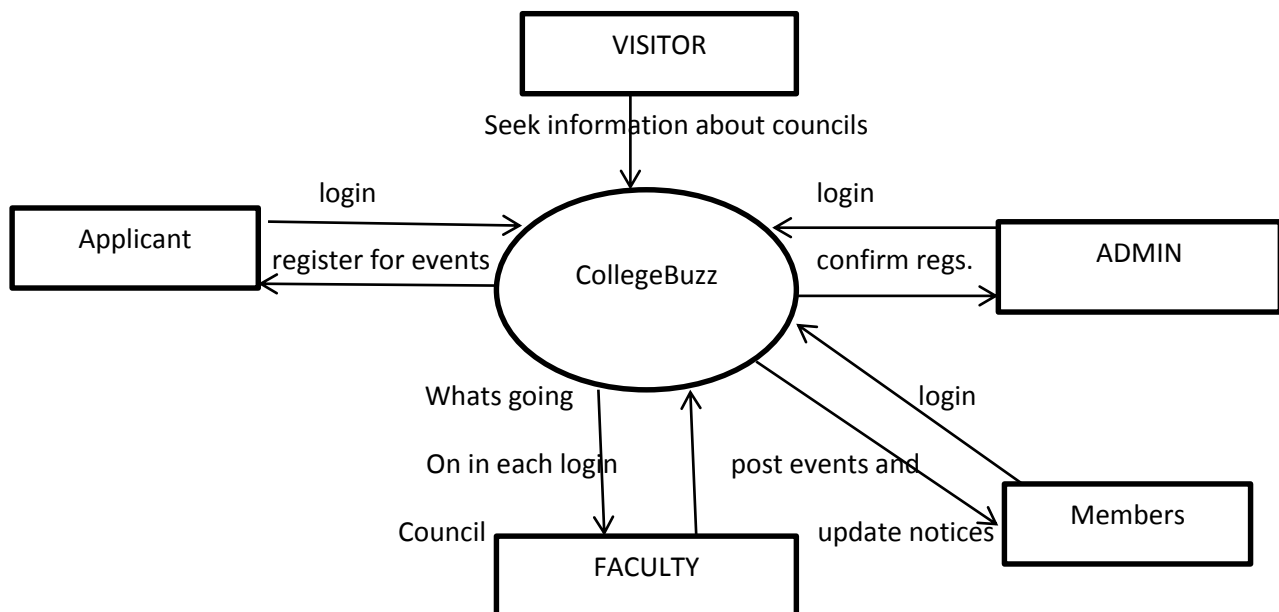
## 2.4 ER DIAGRAM:



## 2.5 DATA FLOW DIAGRAM

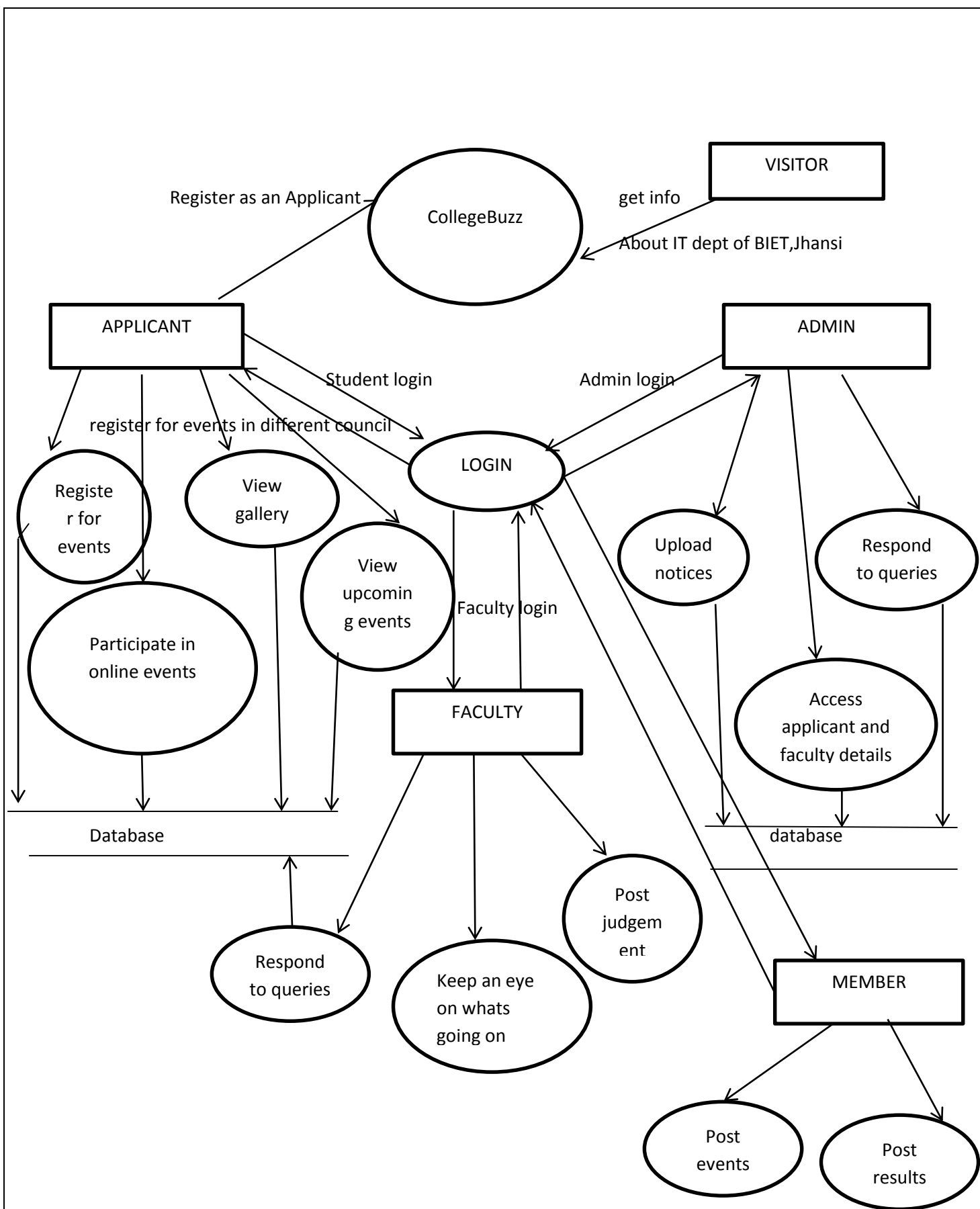


**Level 0 Data Flow Diagram**



**Level 1 Data Flow Diagram**





**Level 2 Data Flow Diagram**

### **3. Future Work**

A portal of complaining of any faults in hostels, classroom, campus will be made.it will make ease of complaining just from anywhere and there will also be an apt record of the status of each and every complain registered.

### **4. REFERENCES**

Following books have been consulted:

- [1] Database- Navathe
- [2] tutorialsPoint
- [3]

Following websites have been consulted:

- [1] Codefordotnet.com
- [2] Wowslider.com
- [3] dynamicdrive.com
- [4] codeproject.com
- [5] w3schools.com

