IT341 Mini Project

Periodic Report 2

1. Project Requirement Gathering:

1.1 Requirement Gathering Techniques for project:

1.1.1 Brainstorming:

We have used this technique in requirement gathering to get good numbers of ideas from group of people. This technique has provided broad view to get creative ideas for project definition.

1.1.2 Focus Group:

It involves synergistic discussion among group members. We have used this technique so that each group member must know the user's expectations and work according to it.

1.1.3 Prototyping:

This technique involves primary requirements gathering which is used to build an initial version of our project. This will continue until the final project is done.

1.1.4 Interview:

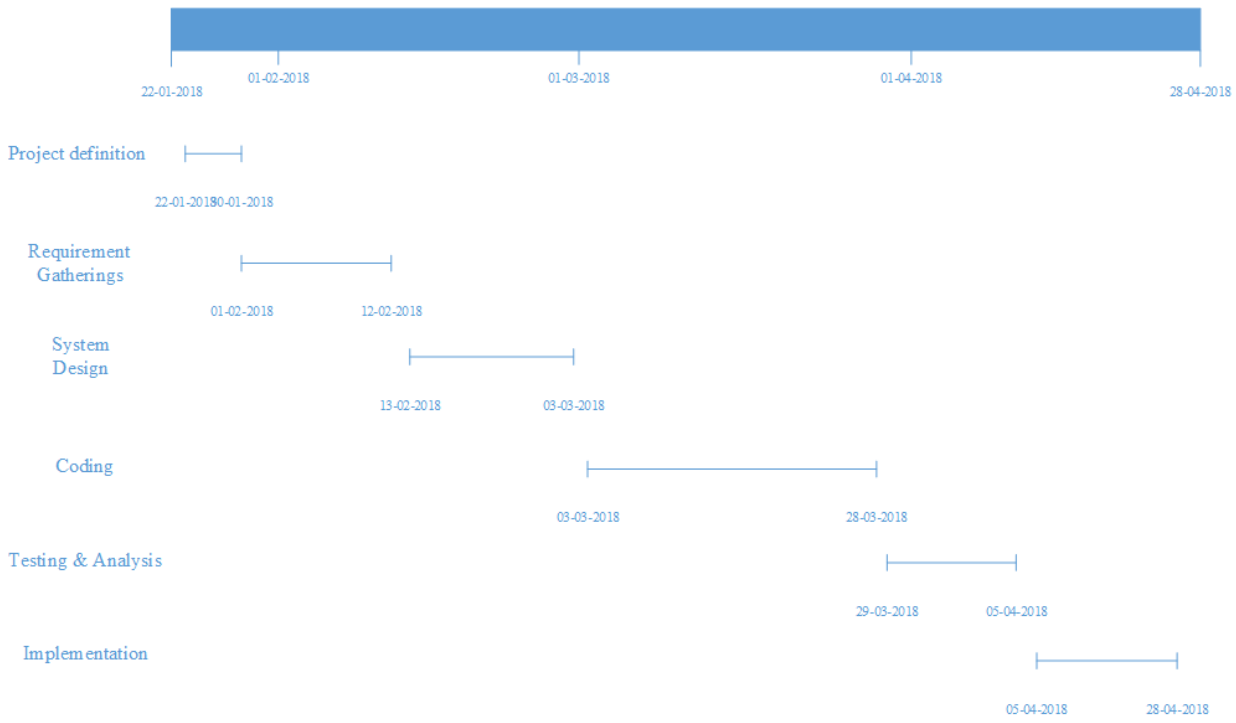
It involves interviewing the faculties, coordinator and students in order to make the portal more user friendly and interactive.

1.2 Comparison of existing application with your project:

In the existing system all the work is done manually and there is lot of information gap between faculty, students and coordinator. There is lot of paperwork to be submitted manually.

While in the project all the work is done online on the portal. Faculty is notified whenever its respective group of students uploads a report and vice-versa. Similarly, for the relationship between coordinator and student.

2. Project Timeline Chart



3. Project SRS

3.1 Introduction:

3.1.1 Purpose of the system:

Web based portal for **Project Monitoring and Management System (PMMS)**.

3.1.2 Scope of the system:

This portal will be helpful in monitoring student's progress periodically. Also it will be helpful to the faculty guide in managing his/her assigned groups progress and approving the task done by the students. Students will get the feedback to the work uploaded quicker and at any time anywhere. Task approval and maintaining student's reports will be easy and manageable. Student have to give final project presentation physically.

3.2 General description of the system:

3.2.1 Overall description:

This portal monitors and manages the student's project reports. Student first registers team and coordinator and faculty approves the team. After that student uploads the sequentially periodic reports, plagiarism report and then the final report and faculty approves the reports and tracks the report of the its respective students. Coordinator here acts as an admin who has all the privileges to do all things.

3.2.2 Feasibility study:

- **Technical feasibility**

  It would be feasible to implement the portal on PHP & MySQL for server side scripting and database server and for client side scripting and designing we will use JavaScript and Cascading style sheet libraries like AngularJS and Bootstrap.

- **Economic feasibility**

  The expense of building the portal will be less it will just need server for hosting the website and creating database.

- **Operational feasibility**

  The operation of the portal will be easy for the both faculty and student as it will increase the efficiency of the project in terms of approving the task and maintaining records.

- **Time feasibility**

  The building of portal will be completed within specified time.

3.3 Functional Requirements:

3.3.1 Module description:

- **Registration:**

This module includes registration of team leader and team member.

- **Project Details**

  This module will contain mainly functionalities such as,

- Definition approval
- Periodic report /Term work upload
- Final report upload

- **Notification**

  In this module the user will able to view important notification by the admin or other user.

- **FAQ**

  This module will contain Frequently Asked Questions by the students to the faculty guide and also some basic questions.

3.4 Non- Functional Requirements:

3.4.1 Security:

Portal is security from different threats on the internet.

3.4.2 Reliability:

Portal will be updated on daily basis with latest information.

3.4.3 Maintainability:

Maintenance of portal and data backup will be taken on daily basis for prevention against system failure.

3.5 Interface Requirements:

3.5.1 Hardware Interface

- Server for web hosting
- Database server
- Computer / Laptop / Mobile phone

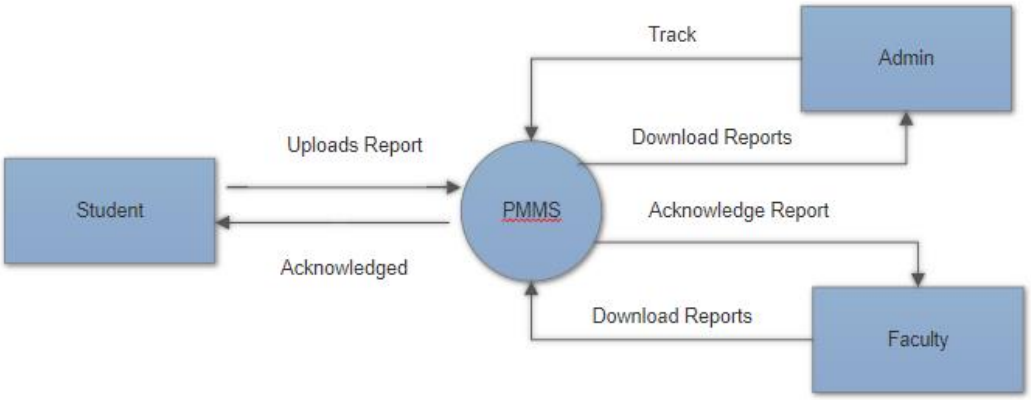
3.5.2 Software Interface

- PHP

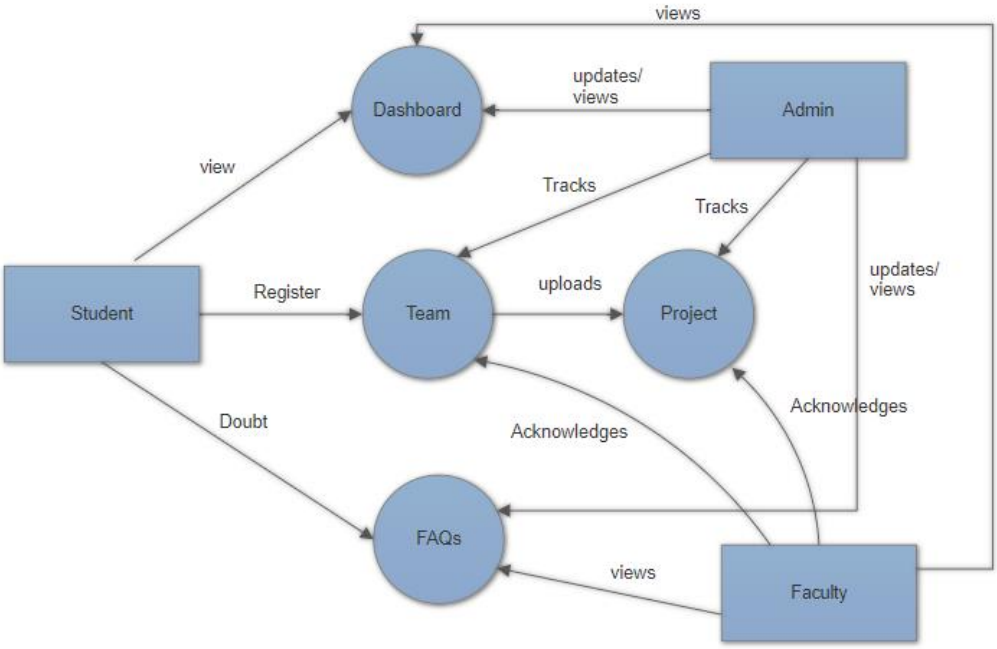
- PHPExcel
- HTML
- CSS / Bootstrap
- JavaScript / JQuery
- AJAX
- MySQL
- XAMPP server

3.6 Designing:

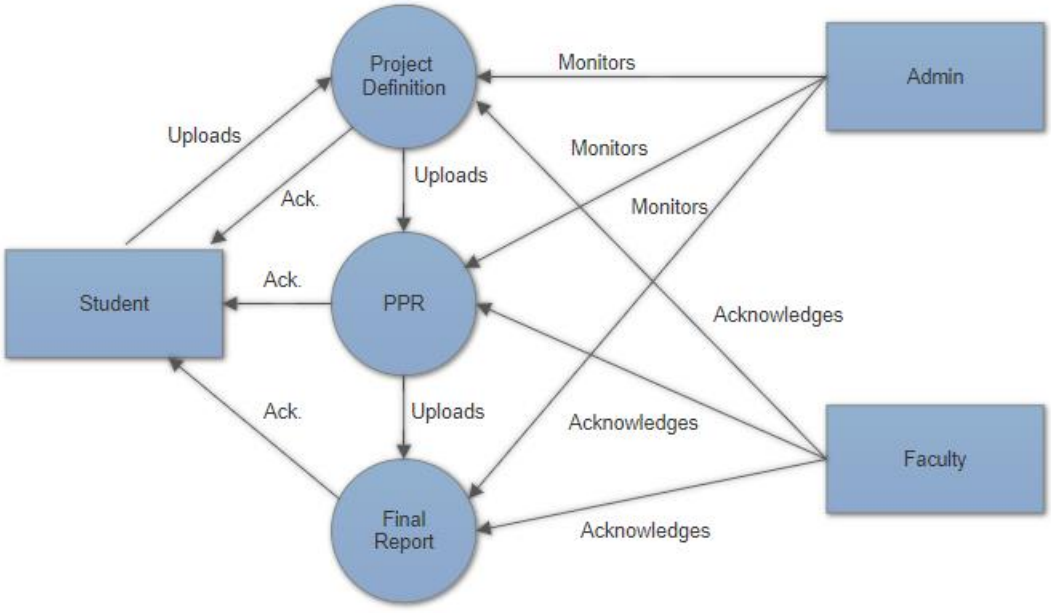
3.6.1 Data Flow Diagram



PMMS Level 0

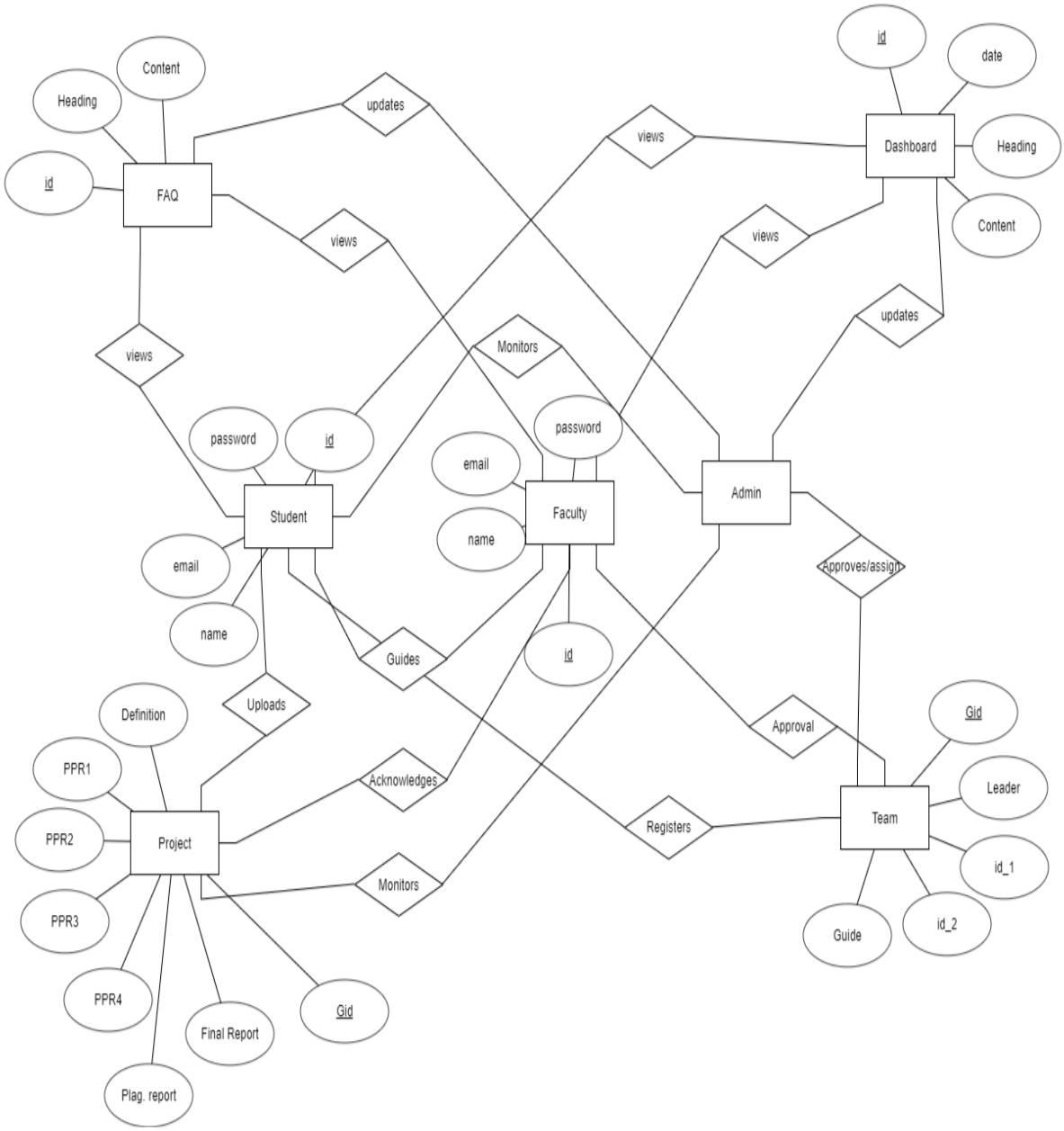


PMMS Level 1

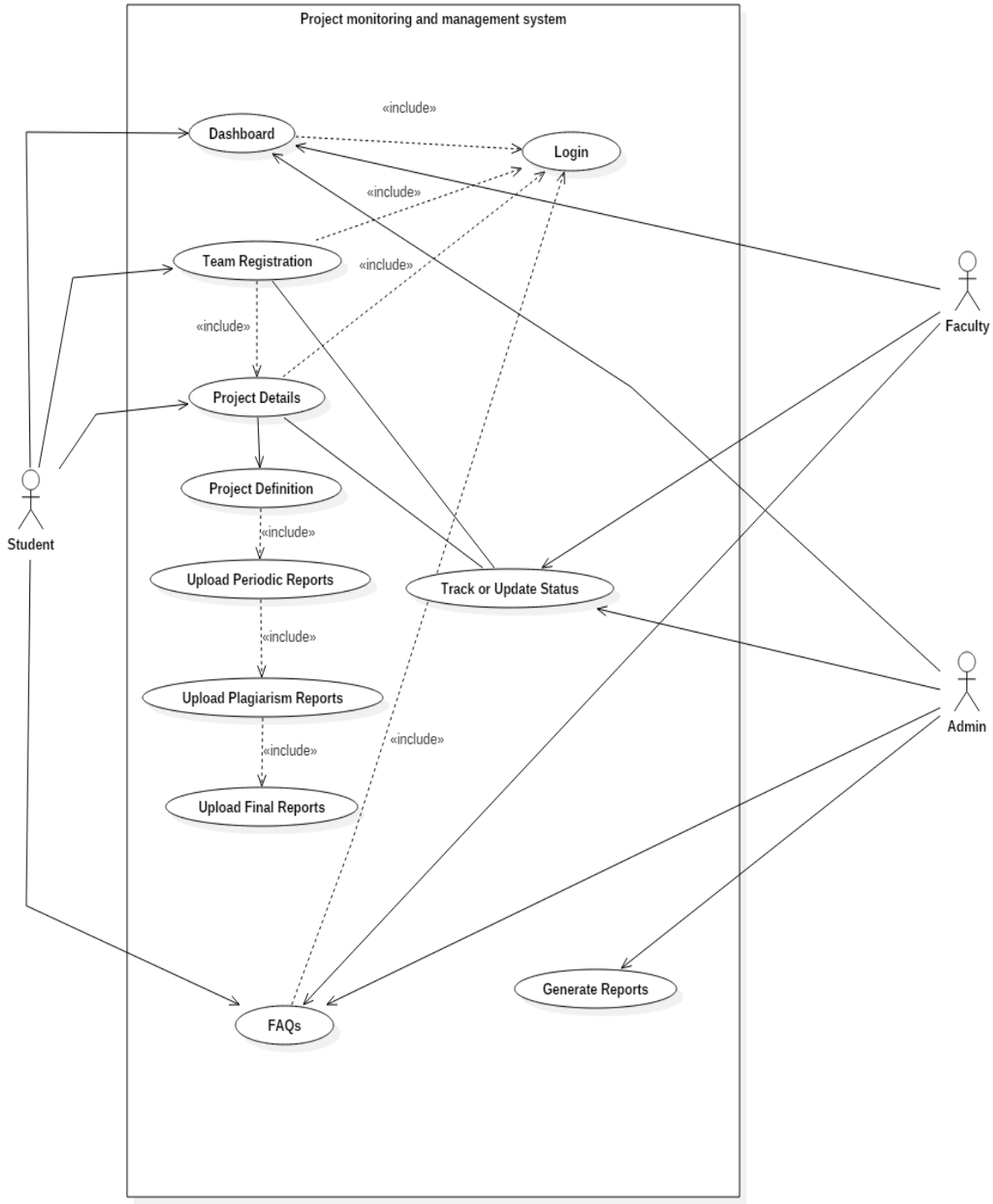


PMMS Level 2

3.6.2 ER Diagram



3.6.3 Use Case Diagram



4. Project work distribution among team members

We have opted for pair programming, each member in our team has done equal amount of work. Every member of our team has participated for implementing the modules and generating reports.

5. Data Dictionary

Table Name: Student

Primary Key: ID

Description:-It Stores Student information.

Sr no	Column name	Data Type	Size	Constraint	Description
1	ID	Integer	10	Primary Key	It identifies a student uniquely
2	Name	varchar	20	Not Null	Student's Name
3	Email	varchar	20	Not Null	Student's email
4	Password	Varchar	10	Not Null	Students password

Table Name: Faculty

Primary Key: ID

Description: It Stores faculties information.

Sr no	Column name	Data Type	Size	Constraint	Description
1	ID	Integer	10	Primary Key	It identifies a faculty uniquely
2	Name	Varchar	20	Not Null	Faculty's Name
3	Email	Varchar	20	Not Null	Faculty's email
4	Password	Integer	10	Not Null	Faculty's password

Table Name: Admin

Primary Key: ID

Description:-It Stores Admin details.

Sr no	Column name	Data Type	Size	Constraint	Description
1	ID	Integer	10	Primary Key	It identifies admin uniquely
2	Email	Varchar	20	Not Null	Admin's Email
3	Password	Integer	10	Not Null	Admin's password

Table Name: Team

Primary Key: Gid

Description:-It Stores groups information.

Sr no	Column name	Data Type	Size	Constraint	Description
1	Gid*	Integer	10	Primary Key	It identifies a group uniquely
2	Guide	Varchar	10	Not Null	Faculty's ID
3	Leader	Varchar	10	Not Null	Leader's ID
4	Id_1	Varchar	10	Not Null	Partner's ID
5	Id_2	Integer	10	Null	Partner's ID

Table Name: Project

Primary Key: Gid

Description:-It Stores status related to the group's report upload.

Sr no	Column name	Data Type	Size	Constraint	Description
1	Gid	Integer	10	Primary key	Group's ID
2	Project Definition	Boolean	-	Not Null	Project's Definition
3	Ppr1	Boolean	-	Not Null	Status of PPR1
4	Ppr2	Boolean	-	Not Null	Status of PPR2
5	Ppr3	Boolean	-	Not Null	Status of PPR3
6	Ppr4	Boolean	-	Not Null	Status of PPR4
7	Plagiarism report	Boolean	-	Not Null	Status of Plagiarism report
8	Final Report	Boolean	-	Not Null	Status of Final Report.

Table Name: FAQ

Primary Key: ID

Description: It Store FAQs uploaded by the admin.

Sr no	Column name	Data Type	Size	Constraint	Description
1	ID*	Integer	10	Primary Key	It identifies a unique FAQ
2	Heading	Varchar	20	Not Null	Question
3	Context	Varchar	20	Not Null	Answer

Table Name: Dashboard

Primary Key: ID

Description: It Store Notice uploaded by the Admin.

Sr no	Column name	Data Type	Size	Constraint	Description
1	ID*	Integer	10	Primary Key	It identifies a unique
2	Heading	Varchar	20	Not Null	Notice
3	Context	Varchar	20	Not Null	More information

NOTE: Here '*' means AUTO INCREMENT.

Faculty Guide's Remark:

Faculty Guide's Signature: