



Mini project report on
Student Event Management System

Submitted in partial fulfilment of the requirements for the award of degree of

Bachelor of Technology
in
Computer Science & Engineering

UE21CS351 – DBMS Project

Submitted by:

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Electronic City, Hosur Road, Bengaluru – 560 100, Karnataka, India



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CERTIFICATE

This is to certify that the mini project entitled

Disasters data Management System

is a bonafide work carried out by

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In partial fulfilment for the completion of fifth semester DBMS Project (UE20CSS301) in the Program of Study -Bachelor of Technology in Computer Science and Engineering under rules and regulations of PES University, Bengaluru during the period AUG. 2022 – DEC. 2022. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the 5th semester academic requirements in respect of project work.

Signature

Prof. Nivedita Kasturi

Assistant Professor

DECLARATION

We hereby declare that the DBMS Project entitled **Student Event Management System** has been carried out by us under the guidance of **Prof. Nivedita Kasturi, Assistant Professor** and submitted in partial fulfilment of the course requirements for the award of degree of **Bachelor of Technology** in **Computer Science and Engineering** of **PES University, Bengaluru** during the academic semester AUG – DEC 2023.

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ABSTRACT

The effective management of event databases poses a significant challenge for many clubs. This can be attributed to a combination of factors, including limited resources, a lack of specialized expertise, and the inherent complexity of club-related event data. As a consequence, clubs often grapple with inaccurate or incomplete event information, which hinders their ability to effectively track events, communicate with members, and manage resources.

This proposal outlines the development of a user-friendly event database management system specifically tailored to the needs of clubs. This system should be characterized by its ease of use, requiring minimal expertise to navigate and operate. Additionally, it should exhibit flexibility to accommodate the diverse requirements of various clubs and their events.

By addressing the challenges faced by clubs in managing their event databases, this system aims to empower clubs to enhance their event planning and management capabilities, fostering greater engagement and participation among their members.

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1. INTRODUCTION

The realm of student life is enriched by a plethora of events, ranging from academic conferences to social gatherings. Managing these events effectively is crucial for ensuring their success and maximizing their impact on the student body. However, traditional event management methods, often reliant on spreadsheets and manual data entry, are prone to errors, inefficiencies, and a lack of centralized organization.

To address these challenges, this project proposes the development of a comprehensive event management system (EMS) utilizing a robust database management system (DBMS). This web-based application will provide a user-friendly interface for managing events, sponsoring companies, and users, streamlining the event management process and enhancing overall operational efficiency.

The system will encompass three primary modules:

1. Club Management: This module will empower users to seamlessly organize and manage clubs, including club creation, editing, and deletion. Club details, including club ID, club details, and domain details, will be stored and retrieved efficiently.
2. Event Management: This module will empower users to seamlessly organize and manage events, encompassing event creation, editing, and deletion. Event details, including descriptions, dates, and venues, will be stored and retrieved efficiently.
3. Queries: Simple, nested, correlated queries, stored procedure, trigger and a function have been implemented.

The EMS will be implemented using a combination of XAMPP, Apache, and MySQL, leveraging their robust capabilities and compatibility. The XAMPP Control Panel will serve as the central hub for managing server settings, while the Apache Server Interface will provide configuration options for virtual hosts, security, and server modules. The MySQL Database Management Interface will enable the creation, maintenance, and administration of databases and tables.

The EMS will empower student organizations to effectively manage their events, fostering a vibrant and engaging campus environment. It will streamline event planning and coordination, enhance communication among organizers and participants, and provide valuable insights into event

performance. By centralizing event data and automating routine tasks, the EMS will free up valuable time and resources, allowing organizers to focus on creating memorable and impactful experiences for the student community.

2. PROBLEM DEFINITION

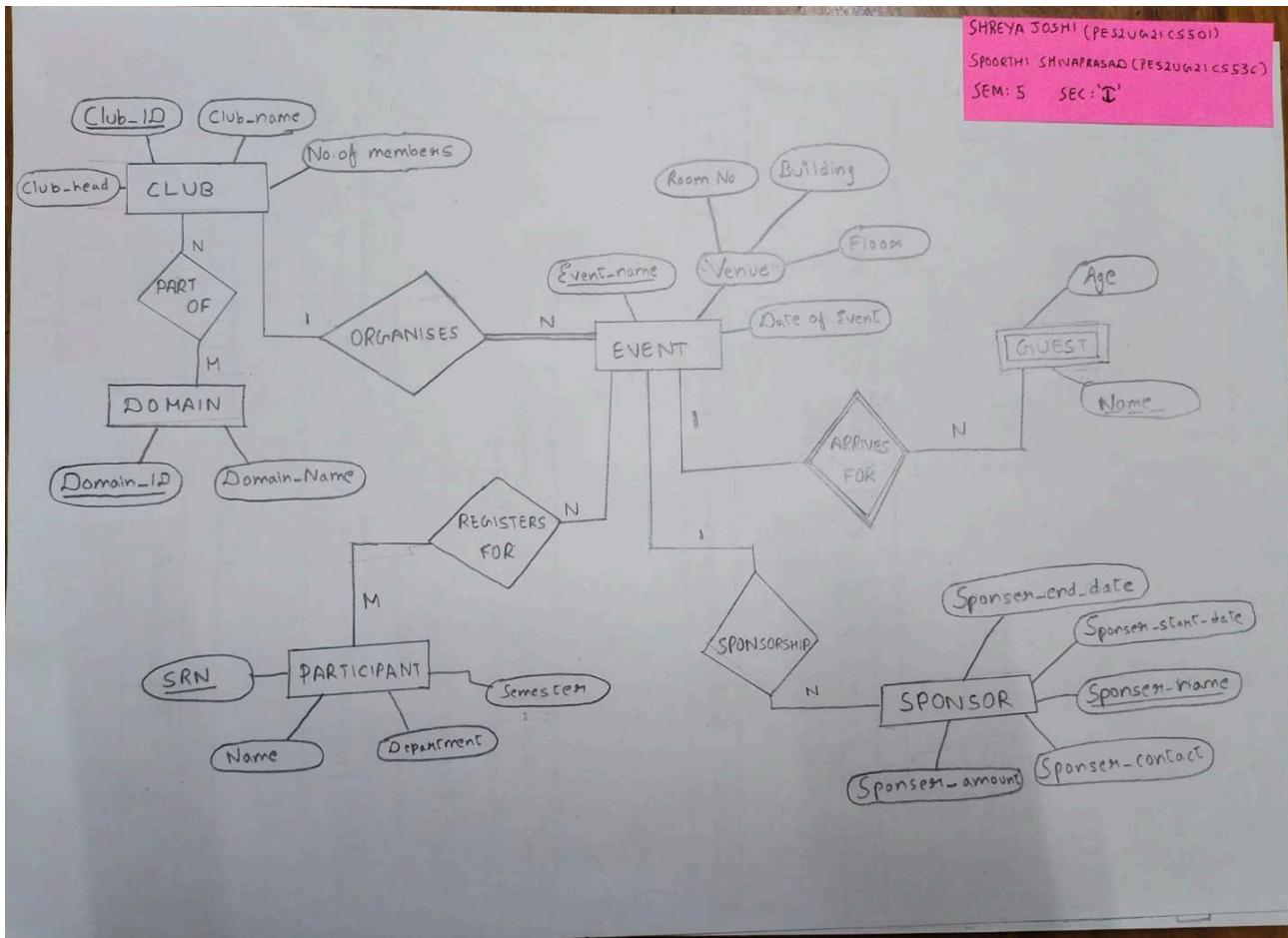
Clubs often struggle to manage their event databases effectively. This can be due to a number of factors, such as:

- Limited resources: Clubs often have limited resources, including time and money, to devote to managing their databases.
- Lack of expertise: Many club members may not have the necessary expertise to manage a database effectively.
- Complex requirements: Club databases can be complex, with a variety of different data types and relationships.

As a result of these challenges, many clubs end up with inaccurate or incomplete event databases. This can make it difficult for clubs to keep track of their events, communicate with their members, and manage their resources effectively.

A solution to this problem is to develop a user-friendly event database management system that is specifically designed for clubs to manage events. The system should be easy to use and require minimal expertise to manage and it should be flexible enough to meet the needs of a variety of different clubs and their events.

3. ER MODEL



Formalized paragraph for documentation:

Our database schema for events and clubs consists of six entities:

Strong entities:

- Club: club_id (primary key), club_name, no_of_members, club_head
- Domain: domain_id (primary key), domain_name
- Event: event_name, date_of_event, venue (composite attribute: room_no, building, floor)
- Sponsor: sponsor_name (primary key), sponsor_start_date, sponsor_end_date, sponsor_contact
- Participant: srn (primary key), name, department, semester

Weak entity:

- Guest: name(partial key), age

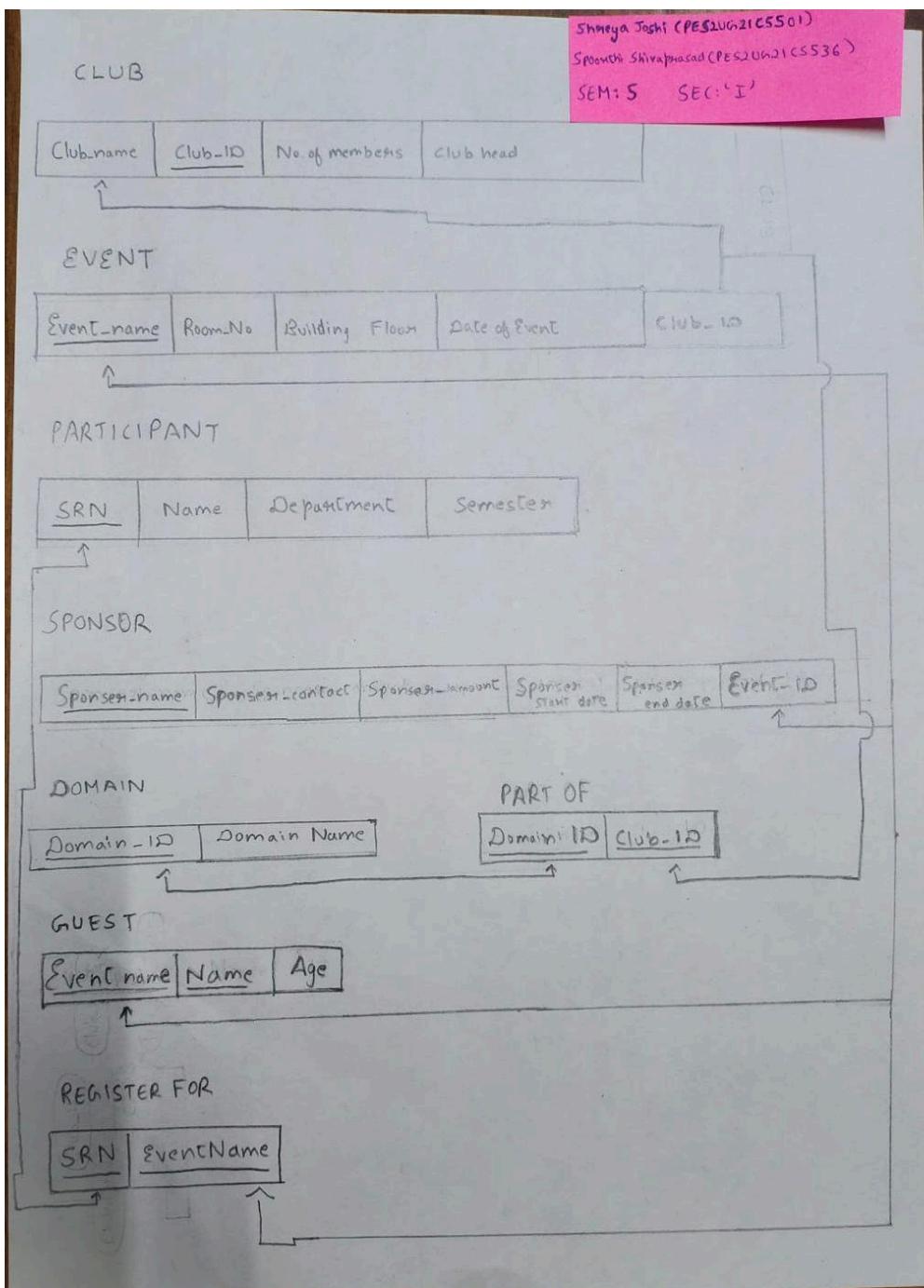
The following are the relationships between the entities in the database schema for events and clubs:

- Club and Domain: Many-to-many relationship. A club can belong to many domains, and a domain can have many clubs.
- Club and Event: One-to-many relationship. A club can organize many events, but an event can only be organized by one club hence its participation in the relationship is total.
- Event and Participant: Many-to-many relationship. An event can have many participants, and a participant can attend many events.
- Event and Sponsor: Many-to-many relationship. An event can have many sponsors, and a sponsor can sponsor many events.
- Event and Guest: One-to-many relationship. An event can have many guests, but a guest can only attend an event if it exists and hence it is a weak entity dependent on the existence of the event entity.

The relationship between Event and Participant is total participation on the part of Event. This means that every event must have at least one participant.

The relationships between Club and Domain, Event and Sponsor, and Event and Guest are all many-to-many relationships. This means that a club can belong to many domains, an event can have many sponsors, and an event can have many guests.

4. ER TO RELATIONAL MAPPING



4.1 STEPS OF ALGORITHM FOR CHOSEN PROBLEM

The relational schema for events and clubs consists of eight relations:

The Event entity is the N-side of a 1:N relationship with the Club entity. This means that an event can only be organized by one club, but a club can organize many events and hence the club_id foreign key in the Event table points to the club_id primary key in the Club table. This ensures that each event has a valid club associated with it.

The Sponsor entity is the N-side of a 1:N relationship with the Event entity. This means that a sponsor can sponsor many events, but an event can only be sponsored by one sponsor. The event_id foreign key in the Sponsor table points to the event_id primary key in the Event table. This ensures that each sponsorship has a valid event associated with it.

The Guest entity is a weak entity that depends on the Event entity. The partial key of the Guest entity, name, is combined with the primary key of the Event entity, event_id, to form the primary key of the Guest relation. In other words, a guest can only attend one event, and an event can have many guests. The name attribute uniquely identifies a guest within a particular event, but it may not be unique across all guests in the database. The event_id attribute uniquely identifies an event, and it is combined with the name attribute to uniquely identify a guest within the Guest relation.

The Register_for relation represents the many-to-many relationship between Participant and Event. A participant can register for many events, and an event can have many participants registered for it.

The Register_for relation has the following primary keys:

- srn (foreign key to the Participant table)
- event_name (foreign key to the Event table)

The Part_of relation represents the many-to-many relationship between Domain and Club. A domain can have many clubs, and a club can belong to many domains.

The Part_of relation has the following primary keys:

- domain_id (foreign key to the Domain table)
- club_id (foreign key to the Club table)

5. DDL STATEMENTS

Insert query:

```
//insert query
$sql = "insert into `event` (EventName, EventVenue, EventDate) values ('$EventName', '$EventVenue',
'$EventDate');
```

5.1. Club

5.1.1 Table creation

```
CREATE TABLE `club` (
  `ClubId` int(11) NOT NULL,
  `ClubName` varchar(25) NOT NULL,
  `ClubHead` varchar(25) NOT NULL,
  `NumberOfMembers` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
ALTER TABLE `club`
ADD PRIMARY KEY (`ClubId`);
```

```
ALTER TABLE `club`
MODIFY `ClubId` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
```

5.2 Domain

5.2.1 Table creation

```
CREATE TABLE `domain` (
  `DomainId` int(11) NOT NULL,
  `DomainName` varchar(25) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
ALTER TABLE `domain`
MODIFY `DomainId` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
```

5.3 Event

5.3.1 Table creation

```
CREATE TABLE `event` (
  `EventID` int(11) NOT NULL,
  `EventName` varchar(50) NOT NULL,
  `EventVenue` varchar(50) NOT NULL,
  `EventDate` date NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
ALTER TABLE `domain`
ADD PRIMARY KEY (`DomainId`);
```

```
ALTER TABLE `event`
ADD CONSTRAINT `event_ibfk_1` FOREIGN KEY (`ClubId`) REFERENCES `club` (`ClubId`) ON DELETE NO ACTION ON UPDATE NO ACTION;
```

5.4 Participant

5.4.1 Table creation

```
CREATE TABLE `participant` (
  `SRN` varchar(13) NOT NULL,
  `Name` varchar(25) NOT NULL,
  `Department` varchar(25) NOT NULL,
  `Semester` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
ALTER TABLE `guest`
ADD PRIMARY KEY (`EventName`, `Name`);
```

5.5 Register For

5.5.1 Table creation

```
CREATE TABLE `registersfor` (
  `SRN` varchar(13) NOT NULL,
  `EventName` varchar(25) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

ALTER TABLE `registerfor`
  ADD PRIMARY KEY (`SrN`, `EventName`),
  ADD KEY `EventName` (`EventName`);

ALTER TABLE `registerfor`
  ADD CONSTRAINT `registerfor_ibfk_1` FOREIGN KEY (`EventName`) REFERENCES `event` (`EventName`) ON DELETE NO ACTION ON UPDATE NO ACTION,
  ADD CONSTRAINT `registerfor_ibfk_2` FOREIGN KEY (`SrN`) REFERENCES `participant` (`SrN`) ON DELETE NO ACTION ON UPDATE NO ACTION;
```

5.6 Guest

5.6.1 Table creation:

```
CREATE TABLE `guest` (
  `EventName` varchar(25) NOT NULL,
  `Name` varchar(25) NOT NULL,
  `Age` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

ALTER TABLE `guest`
  ADD CONSTRAINT `guest_ibfk_1` FOREIGN KEY (`EventName`) REFERENCES `event` (`EventName`) ON DELETE NO ACTION ON UPDATE NO ACTION;
```

5.7 PartOf

5.7.1 Table creation

```

CREATE TABLE `partof` (
  `DomainId` int(11) NOT NULL,
  `ClubId` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

ALTER TABLE `partof`
ADD CONSTRAINT `partof_ibfk_1` FOREIGN KEY (`DomainId`) REFERENCES `domain` (`DomainId`) ON DELETE NO ACTION ON UPDATE NO ACTION,
ADD CONSTRAINT `partof_ibfk_2` FOREIGN KEY (`ClubId`) REFERENCES `club` (`ClubId`) ON DELETE NO ACTION ON UPDATE NO ACTION;

```

5.8 Sponsor

5.8.1 Table creation:

```

CREATE TABLE `sponsor` (
  `SponsorName` varchar(25) NOT NULL,
  `SponsorContact` bigint(11) NOT NULL,
  `SponsorAmount` int(11) NOT NULL,
  `SponsorStartDate` date NOT NULL,
  `SponsorEndDate` date NOT NULL,
  `EventName` varchar(25) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

```

```

ALTER TABLE `sponsor`
  ADD PRIMARY KEY (`SponsorName`),
  ADD KEY `EventName` (`EventName`);

```

```

ALTER TABLE `sponsor`
  ADD CONSTRAINT `sponsor_ibfk_1` FOREIGN KEY (`EventName`) REFERENCES `event` (`EventName`) ON DELETE NO ACTION ON UPDATE NO ACTION;
COMMIT;

```

6. DML STATEMENTS

STATEMENTS WITH SCREEN SHOTS OF THE TABLE WITH INSERTED VALUES

6.1 Club

6.1.1 Values inserted:

```
INSERT INTO `club` (`ClubId`, `ClubName`, `ClubHead`, `NumberOfMembers`) VALUES  
(1, 'Acm', 'Surabhi', 50),  
(2, 'Shunya', 'Chandana', 150),  
(3, 'CodeChef', 'Yuvaraj', 70),  
(4, 'Kannada Kutta', 'Mahesh', 200);
```

6.1.2 Table view:

		ClubId	ClubName	ClubHead	NumberOfMembers
<input type="checkbox"/>	Edit Copy Delete	1	Acm	Surabhi	50
<input type="checkbox"/>	Edit Copy Delete	2	Shunya	Chandana	150
<input type="checkbox"/>	Edit Copy Delete	3	CodeChef	Yuvaraj	70
<input type="checkbox"/>	Edit Copy Delete	4	Kannada Kutta	Mahesh	200

6.2 Domain

6.2.1 Values inserted:

```
INSERT INTO `event` (`EventID`, `EventName`, `EventVenue`, `EventDate`) VALUES  
(1, 'Hacknight2', 'Seminar Hall 3', '2023-10-07'),  
(2, 'Hacktoberfest 2023', 'Seminar Hall 1', '2023-11-11'),  
(3, 'Ingenius 2023', 'Seminar Hall 1', '2023-09-30'),  
(4, 'Kodikon', 'Seminar Hall 2', '2023-10-14'),  
(7, 'She Summit 2024', 'MRD Auditorium', '2023-11-04');
```

6.2.2 Table view:

	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	EventID	EventName	EventVenue	EventDate
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	Hacknight2	Seminar Hall 3	2023-10-07
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	2	Hacktoberfest 2023	Seminar Hall 1	2023-11-11
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	3	Ingenius 2023	Seminar Hall 1	2023-09-30
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	4	Kodikon	Seminar Hall 2	2023-10-14
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	7	She Summit 2024	MRD Auditorium	2023-11-04

6.3 Event

6.3.1 Values inserted:

```
INSERT INTO `event` (`EventID`, `EventName`, `EventVenue`, `EventDate`) VALUES  
(1, 'Hacknight2', 'Seminar Hall 3', '2023-10-07'),  
(2, 'Hacktoberfest 2023', 'Seminar Hall 1', '2023-11-11'),  
(3, 'Ingenius', 'Seminar Hall 2', '2023-10-14'),  
(4, 'Kodikon', 'Seminar Hall 2', '2023-10-14'),  
(6, 'She Summit 2023', 'Seminar Hall 3', '2023-03-09');
```

6.3.2 Table view:

	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	EventID	EventName	EventVenue	EventDate
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	Hacknight2	Seminar Hall 3	2023-10-07
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	2	Hacktoberfest 2023	Seminar Hall 1	2023-11-11
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	3	Ingenius 2023	Seminar Hall 1	2023-09-30
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	4	Kodikon	Seminar Hall 2	2023-10-14
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	7	She Summit 2024	MRD Auditorium	2023-11-04
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	8	Hacktoberfest	MRDAuditorium	2023-11-04
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	9	Hacktoberfestttt	MRDAuditorium	2023-11-04

6.3 Participant

6.3.1 Values inserted:

```
INSERT INTO `participant` (`SRN`, `Name`, `Department`, `Semester`) VALUES
('PES2UG21CS100', 'Ram', 'CSE', 5),
('PES2UG21CS101', 'Shruti', 'CSE', 5),
('PES2UG21CS102', 'Sragvi', 'CSE', 5),
('PES2UG21CS103', 'Spoorthi', 'CSE', 5),
('PES2UG21CS104', 'Shreya', 'CSE', 5),
('PES2UG21CS105', 'Shyam', 'CSE', 7);
```

6.3.2 Table view:

		SRN	Name	Department	Semester
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS100	Ram	ECE	5
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS101	Shruti	CSE	5
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS102	Sragvi	CSE	5
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS103	Spoorthi	CSE	5
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS104	Shreya	CSE	5
<input type="checkbox"/>	 Edit  Copy  Delete	PES2UG21CS105	Shyam	ECE	7

6.4 Registers for

6.4.1 Values inserted:

```
INSERT INTO `registersfor` (`SRN`, `EventName`) VALUES
('PES2UG21CS100', 'Hacknight'),
('PES2UG21CS100', 'She Summit'),
('PES2UG21CS101', 'Kodikon'),
('PES2UG21CS102', 'Kodikon'),
('PES2UG21CS103', 'Maaya Inauguaration'),
('PES2UG21CS105', 'Hacktoberfest');
```

6.4.2 Table view:

			SRN	EventName
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS100 Hacknight
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS100 She Summit
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS101 Kodikon
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS102 Kodikon
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS103 Maaya Inauguaration
<input type="checkbox"/>	 Edit	 Copy	 Delete	PES2UG21CS105 Hacktoberfest

6.5 Guest

6.5.1 Values inserted:

```
INSERT INTO `guest` (`EventName`, `Name`, `Age`) VALUES
('Anveshana', 'Ananya', 22),
('BinaryBattle', 'Ravi', 54),
('BinaryBattle', 'Saptami', 25);
```

6.5.2 Table view:

			EventName	Name	Age
<input type="checkbox"/>	 Edit	 Copy	 Delete	Anveshana	Ananya 22
<input type="checkbox"/>	 Edit	 Copy	 Delete	BinaryBattle	Ravi 54
<input type="checkbox"/>	 Edit	 Copy	 Delete	BinaryBattle	Saptami 25

6.6 Part Of

6.6.1 Values inserted:

```
INSERT INTO `partof` (`DomainId`, `ClubId`) VALUES
(1, 2),
(2, 4),
(3, 3);
```

6.6.2 Table view:

			DomainId	ClubId
	<input type="checkbox"/>	Edit	Copy	Delete
	<input type="checkbox"/>	Edit	Copy	Delete
	<input type="checkbox"/>	Edit	Copy	Delete
	<input type="checkbox"/>	Edit	Copy	Delete

6.7 Sponsor

6.7.1 Values inserted:

```
INSERT INTO `sponsor` (`SponsorName`, `SponsorContact`, `SponsorAmount`, `SponsorStartDate`, `SponsorEndDate`, `EventName`) VALUES
('BD', 7896541230, 2000, '2023-11-07', '2024-11-07', 'Janapada'),
('DP', 8956231476, 9000, '2023-11-06', '2024-11-04', 'BinaryBattle'),
('Mrd', 456987123, 80000, '2023-11-01', '2024-11-27', 'Anveshana'),
('S', 8745213692, 7000, '2023-07-03', '2023-11-16', 'BinaryBattle'),
('V', 4563211563, 4000, '2023-11-18', '2023-11-21', 'Codeit');
```

6.7.2 Table view:

		SponsorName	SponsorContact	SponsorAmount	SponsorStartDate	SponsorEndDate	EventName
	<input type="checkbox"/>	Edit	Copy	Delete			
	<input type="checkbox"/>	BD	7896541230	2000	2023-11-07	2024-11-07	Janapada
	<input type="checkbox"/>	DP	8956231476	9000	2023-11-06	2024-11-04	BinaryBattle
	<input type="checkbox"/>	Mrd	456987123	80000	2023-11-01	2024-11-27	Anveshana
	<input type="checkbox"/>	S	8745213692	7000	2023-07-03	2023-11-16	BinaryBattle
	<input type="checkbox"/>	V	4563211563	4000	2023-11-18	2023-11-21	Codeit

7. QUERIES

7.1 SIMPLE QUERY

```
$eventQuery = "SELECT * FROM `event` WHERE RoomNo = 1";
```

```
$sponsorQuery = "SELECT * FROM `sponsor` WHERE EventName='BinaryBattle';
```

```
#1: Display events whose venue is MRD Auditorium
```

```
SELECT * FROM `event` WHERE EventName like 'MRD Auditorium';
```

```
#2: Display participants from the Electronics dept and studying in 7th semester
```

```
SELECT * FROM `participant` WHERE Department like 'ECE' and Semester like 7;
```

7.2 UPDATE OPERATION

```
//upadte query
```

```
$sql="update `event` set EventName='$EventName', EventVenue='$EventVenue', EventDate='$EventDate'  
where EventID='$EventID'";
```

7.3 DELETE OPERATION

```
//delete query
```

```
$delete_data = mysqli_query($conn, "Delete from `event` where EventName like '$delete_id'") or  
die("Query failed");
```

7.4 CORRELATED QUERY

```
$queryEventsAndSponsors = "SELECT event.EventName, RoomNo, Building, Floor, DateOfEvent,  
ClubName, SponsorName  
FROM event  
INNER JOIN club ON event.clubid = club.clubid  
LEFT JOIN sponsor ON event.EventName = sponsor.EventName";
```

```
$queryParticipantsInClubEvents = "SELECT Srn, Name, Department, Semester  
FROM participant  
WHERE Srn IN (SELECT Srn FROM registerfor WHERE eventName IN
```

```
(SELECT EventName FROM event WHERE clubid = 3))";
```

7.5 NESTED QUERY

```
$query1 = "SELECT Srn, Name, Department, Semester  
          FROM participant  
          WHERE Srn IN (SELECT Srn FROM registerfor WHERE eventName ='Anveshana'))";
```

```
$query2 = "SELECT EventName, RoomNo, Building, Floor, DateOfEvent, ClubName,  
          (SELECT SponsorName FROM Sponsor WHERE Event.EventName = Sponsor.EventName  
          LIMIT 1) AS SponorName  
          FROM Event  
          INNER JOIN Club ON Event.ClubId = Club.ClubId";
```

```
#3: Display participant details who registered for Hacknight  
SELECT Name, Department  
FROM participant  
WHERE SRN IN (SELECT SRN FROM registersfor WHERE EventName = 'Hacknight');
```

```
#4: Display number of event registrations for each participant  
SELECT Name,  
      (SELECT COUNT(*) FROM registersfor WHERE SRN = participant.SRN) AS NumberOfRegistrations  
FROM participant;
```

8. STORED PROCEDURES, FUNCTIONS AND TRIGGERS

8.1 STORED PROCEDURES OR FUNCTIONS

8.1.1 Stored Procedure:

```
Export of routine `GetEventDetailsWithParticipants`  
  
1 DELIMITER $$  
2 CREATE DEFINER='root'@'localhost' PROCEDURE `GetEventDetailsWithParticipants`()  
3 BEGIN  
4     SELECT  
5         e.EventName,  
6         e.RoomNo,  
7         e.Building,  
8         e.Floor,  
9         e.DateOfEvent,  
10        e.ClubId,  
11        c.ClubName,  
12        c.ClubHead,  
13        c.NumberOfMembers,  
14        g.Name AS GuestName,  
15        g.Age,  
16        p.Srn AS ParticipantSrno,  
17        p.Name AS ParticipantName,  
18        p.Department,  
19        p.Semester  
20    FROM  
21        Event e  
22    LEFT JOIN  
23        Club c ON e.ClubId = c.ClubId  
24    LEFT JOIN  
25        Guest g ON e.EventName = g.EventName  
26    LEFT JOIN  
27        RegisterFor r ON e.EventName = r.EventName    LEFT JOIN  
28        Participant p ON r.Srn = p.Srn;  
29 END$$  
30 DELIMITER ;
```

8.1.2 Function:

```
Export of routine `GetCount`  
  
1 DELIMITER $$  
2 CREATE DEFINER='root'@'localhost' FUNCTION  
`GetCount`(d VARCHAR(25)) RETURNS int(11)  
3 BEGIN  
4     DECLARE count INT;  
5  
6     SELECT COUNT(*) INTO count  
7     FROM participant  
8     WHERE Department = d;  
9  
10    RETURN count;  
11 END$$  
12 DELIMITER ;  
13
```

8.2 TRIGGERS

Export of trigger `check_srn_format`

```
1 CREATE TRIGGER `check_srn_format` BEFORE INSERT ON
`participant`
2 FOR EACH ROW BEGIN
3     IF NEW.Srn NOT LIKE 'PES2UG2%' THEN
4         SIGNAL SQLSTATE '45000'
5         SET MESSAGE_TEXT = 'Invalid input: Srn
must start with PES2UG2';
6     END IF;
7 END
```

9. FRONT END DEVELOPMENT

9.1 Description

In this project, we will be developing a website for student event management. The website's homepage will have buttons to manage events, the sponsoring companies and manage users.

1. XAMPP Control Panel:

- The XAMPP Control Panel is the starting point for managing the server environment. It has the options to start/stop Apache and MySQL services.
- The components of the XAMPP Control Panel include Start/Stop buttons for Apache and MySQL, and the server status indicators.

2. Apache Server Interface:

- Apache server configuration interface will allow users to set up virtual hosts, manage security settings, and configure server modules.

3. MySQL Database Management Interface:

- The MySQL interface will have tools for managing databases, tables, users, and privileges.
- The components include database creation, table management, user privileges, query editor.
- The interface consists of the following functions: Save, apply, reset, help.

4. Student Event Management System Web Application:

- This is the main interface that will be accessed through the web URL. It allows users to create and manage events, and view event details and sponsoring companies.
- It will include the event creation form, event list, event details page.
- The buttons/functions include create event, edit event, delete event and view event details.
- Error messages will be displayed using pop-up alerts.

9.2 Screenshots

9.2.1 Insert details

Add Event Details

[View Data](#)

Capture the flag	
MRD Auditorium	
22-11-2023	<input type="button" value=""/>
Submit	

9.2.2 View Event Details

View Event Details

[Back](#)

SI No	EventName	EventVenue	EventDate	Operations
1	Hacktoberfest 2023	Seminar Hall 1	2023-11-11	Delete Edit
2	Ingenius 2023	Seminar Hall 1	2023-09-30	Delete Edit
3	Kodikon	Seminar Hall 2	2023-10-14	Delete Edit
4	She Summit 2023	MRD Auditorium	2023-11-04	Delete Edit
5	Hacktoberfest 2022	MRDAuditorium	2022-11-04	Delete Edit
6	Capture the flag	MRD Auditorium	2023-11-22	Delete Edit

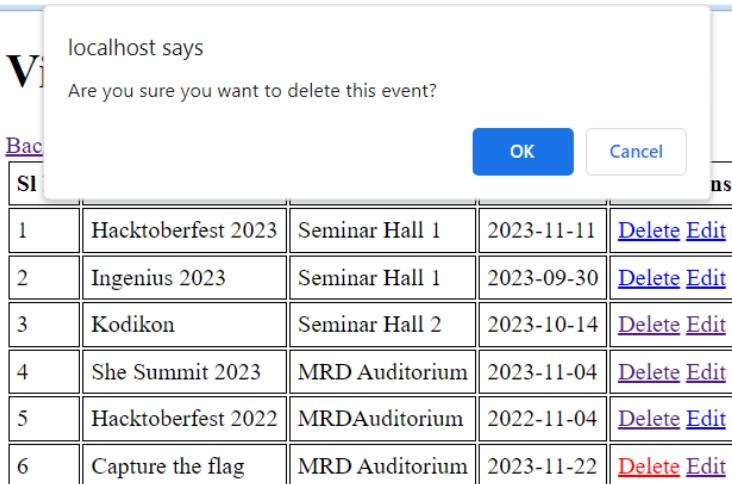
9.2.3 Edit event details

Update Event Details

[View Data](#) Capture the flag

Capture the flag 2.0	
MRD Auditorium 2	
25-11-2023	<input type="button" value=""/>
Update	

9.2.4 Delete Event



Event deleted:

View Event Details

[Back](#)

SI No	Event Name	Venue	Date	Operations
1	Hacktoberfest 2023	Seminar Hall 1	2023-11-11	Delete Edit
2	Ingenius 2023	Seminar Hall 1	2023-09-30	Delete Edit
3	Kodikon	Seminar Hall 2	2023-10-14	Delete Edit
4	She Summit 2023	MRD Auditorium	2023-11-04	Delete Edit
5	Hacktoberfest 2022	MRDAuditorium	2022-11-04	Delete Edit

9.2.5 Simple Queries:

[Show Events](#) [View Sponsors](#)

Event Name	Room No.	Building	Floor	Date of Event	Club ID
Anveshana	1	MRD Block	Ground	2023-11-23	2
BinaryBattle	1	Main Block	1	2023-11-20	3

SponorName	SponsorContact	SponsorAmount	SponsorStartDate	EventName
DP	8956231476	9000	2023-11-06	BinaryBattle
S	8745213692	7000	2023-07-03	BinaryBattle

9.2.6 Nested Queries:

[Show Participants in Anveshana](#) [Show Events with Sponsor Information](#)

Srn	Name	Department	Semester
PES2UG21CS501	Shreya	CSE	5
PES2UG21EC557	Surabhi	EC	5
PES3UG21BC004	Aditya	Bcom	5

EventName	RoomNo	Building	Floor	DateOfEvent	ClubName	SponorName
Anveshana	1	MRD Block	Ground	2023-11-23	Shunya	Mrd
BinaryBattle	1	Main Block	1	2023-11-20	CodeChef	DP
Codeit	2	Main Block	1	2023-11-20	CodeChef	V
Janapada	3	Main Block	1	2023-11-21	Kannada Kutta	BD

9.2.7 Correlated Queries:

[Show Events and Sponsors](#) [Show Participants in Club Events](#)

EventName	RoomNo	Building	Floor	DateOfEvent	ClubName	SponorName
Anveshana	1	MRD Block	Ground	2023-11-23	Shunya	Mrd
BinaryBattle	1	Main Block	1	2023-11-20	CodeChef	DP
BinaryBattle	1	Main Block	1	2023-11-20	CodeChef	S
Codeit	2	Main Block	1	2023-11-20	CodeChef	V
Janapada	3	Main Block	1	2023-11-21	Kannada Kutta	BD

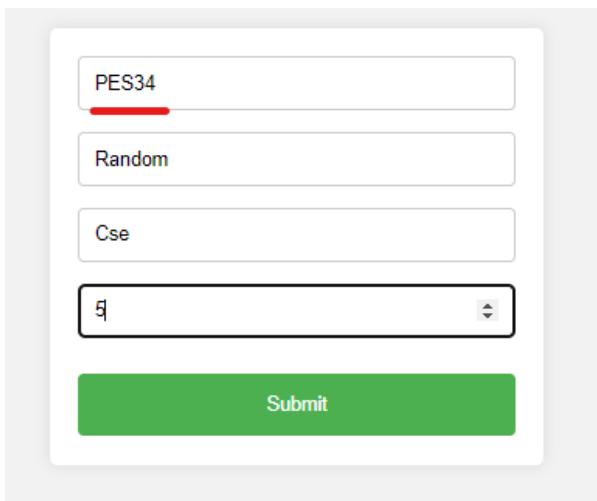
Srn	Name	Department	Semester
PES2UG21EC557	Surabhi	EC	5
PES3UG21BC004	Aditya	Bcom	5
PESUG21CS536	Spoorthi	CSE	5

9.2.8 Stored Procedure:



EventName	RoomNo	Building	Floor	DateOfEvent	ClubId	ClubName	ClubHead	NumberOfMembers	GuestName	Age	ParticipantSrno	ParticipantName	Department	Semester
Anveshana	1	MRD Block	Ground	2023-11-23	2	Shunya	Chandana	150	Ananya	22	PES2UG21CS501	Shreya	CSE	5
Anveshana	1	MRD Block	Ground	2023-11-23	2	Shunya	Chandana	150	Ananya	22	PES2UG21EC557	Surabhi	EC	5
Anveshana	1	MRD Block	Ground	2023-11-23	2	Shunya	Chandana	150	Ananya	22	PES3UG21BC004	Aditya	Bcom	5
BinaryBattle	1	Main Block	1	2023-11-20	3	CodeChef	Yuvraj	70	Ravi	54	PES2UG21EC557	Surabhi	EC	5
BinaryBattle	1	Main Block	1	2023-11-20	3	CodeChef	Yuvraj	70	Ravi	54	PES3UG21BC004	Aditya	Bcom	5
BinaryBattle	1	Main Block	1	2023-11-20	3	CodeChef	Yuvraj	70	Saptami	25	PES2UG21EC557	Surabhi	EC	5
BinaryBattle	1	Main Block	1	2023-11-20	3	CodeChef	Yuvraj	70	Saptami	25	PES3UG21BC004	Aditya	Bcom	5
Codeit	2	Main Block	1	2023-11-20	3	CodeChef	Yuvraj	70			PESUG21CS536	Spoorthi	CSE	5
Janapada	3	Main Block	1	2023-11-21	4	Kannada Kutta	Mahesh	200			PES3UG21BC004	Aditya	Bcom	5

9.2.9 Triggers:



The form contains the following fields:

- A text input field containing "PES34" with a red underline below it.
- A text input field containing "Random".
- A text input field containing "Cse".
- A dropdown menu with the value "5" and a downward arrow icon.
- A large green "Submit" button at the bottom.

Fatal error: Uncaught mysqli_sql_exception: Invalid input: Srno must start with PES2UG2 in C:\xampp\htdocs\cred\participant.php:

10. REFERENCES

[1]

<https://www.youtube.com/watch?v=JydKzPOni3k&list=PL-h5aNeRKouE75Pf27sRpWkHukQZGUHvc&index=127>

[2]

PESU Academy Slides