

# COLLEGE EVENT MANAGEMENT SYSTEM

A CIS Project Proposal

Submitted to:

Little Angels' College of Management

Kathmandu University

In the partial fulfilment of the degree of Bachelors in Business

Information System (BBIS)

Submitted by:

Arnav Rajbhandari (KU reg. no.: A030672-21)

Shleshma Shrestha (KU reg. no.: A030676-21)

Simran Shrestha (KU reg. no.: A030678-21)

Under the supervision of:

Mr. Kumar Lohala

Faculty, LACM

Hattiban, Lalitpur

2023

## CIS PROJECT PROPOSAL APPROVAL SHEET

Name of Proponents: Arnav Rajbhandari, Shleshma Shrestha, Simran Shrestha

K.U. Registration Numbers: A030672-21, A030676-21, A030678-21

Stream: BBIS

Title/Topic: Development and Testing of College Event Management System

A. Name of Supervisor: Mr. Kumar Lohala

Signature of Supervisor: \_\_\_\_\_

Date of approval by supervisor: \_\_\_\_/\_\_\_\_/\_\_\_\_

(DD/MM/YYYY)

To be filled by Project Division:

B. Ethical Approval of Instrument by Project Committee: Yes/No

C. Endorsed by:

Chair of Project Committee/Project Coordinator:

\_\_\_\_\_

Date of Proposal Defence/Instrument Clearance \_\_\_\_/\_\_\_\_/\_\_\_\_

(DD/MM/YYYY)

Members in Defence Panel (Name with signature):

## TABLE OF CONTENTS

CHAPTER 1 .....	1
INTRODUCTION.....	1
1.1 Background of Study .....	1
1.2 Statement of Problem .....	1
1.3 Objectives of study .....	2
1.4 Scope of Study .....	2
1.5 Delimitations .....	2
CHAPTER 2 .....	3
REVIEW OF LITERATURES .....	3
2.1 Empirical Review .....	3
2.2 Use Case Diagram .....	4
2.3 ER Diagram .....	5
2.4 System Module .....	6
CHAPTER 3 .....	7
SYSTEM SPECIFICATIONS .....	7
3.1 Introduction of System .....	7
3.2 System Description.....	7
CHAPTER 4 .....	8
SYSTEM REQUIREMENT SPECIFICATIONS .....	8
4.1 External Interface Requirement.....	8
4.2 Software Configurations.....	8
4.3 Hardware Configurations .....	9
4.4 People Requirement.....	9
CHAPTER 5 .....	10
EXPECTED OUTCOME.....	10
5.1 Expected Outcome of Research.....	10
5.2 Objectivity .....	10
Contribution .....	11
References .....	12
Appendix .....	13

## LIST OF FIGURES

Figure 1: Use Case Diagram .....	4
Figure 2: ER Diagram .....	13

# CHAPTER 1

## INTRODUCTION

### 1.1 Background of Study

The world has grown digitized due to the development of information technology, encouraging people to work smartly, and enhancing the effectiveness and efficiency of their work. Everything used to be done on paper, which was laborious and time-consuming. However, with the advancement of information technology, paper-based processes are now obsolete. (McGregor, 2022)

College Event Management System is a crucial tool for educational institutions to manage and organize events efficiently. With this management system, colleges can create event schedules and check the attendees. It allows for the creation of customized event pages with details such as date, time, location, and additional information about the event. (Chandrasekharan & Venkat, 2012) This helps to streamline the planning process and ensure that everyone involved is on the same page. In addition to this, College Event Management System can provide real-time data on attendance, making it easier to gauge interest in future events.

This College Event Management System can create events such as Volleyball games, Basketball games, Cultural presentation, Farewell Program, Freshers, etc. Overall, investing in college event management system can be a wise decision for educational institutions seeking to enhance their event planning capabilities.

### 1.2 Statement of Problem

Traditional documentation could be time-consuming (Breitmeyer, 2015). Therefore, a College Event Management System will effectively and efficiently track participants and activities.

The data is safer and more meticulous because it is saved in a database system which offers various security features such as access control, encryption, backup and recovery options (Khullar, 2022). The ability to encrypt data is a key feature of the

college event management system that helps to prevent unauthorised access or manipulation of data. Furthermore, the security features of the database system ensure that the data remains accurate and consistent and helps protect against data breaches.

### 1.3 Objectives of study

The main objective of this research is to develop software to manage the details of colleges, events, students, themes, and registration.

The specific objectives of the project are:

- a. To identify areas of inefficiency and implementing solutions to address these issues.
- b. To create an intuitive registration platform that is simple to use and easily accessible so that the admins can remove barriers to registration and encourage more people to attend their events.
- c. To enable attendees to register for an event easily without having to mail in a form or call in their registration by developing a registration portal that allows participants to register quickly and securely from anywhere at any time.

### 1.4 Scope of Study

The College Event Management System may help collect perfect management in detail. In a very short period, the collection will be simple and sensible. It will help a person to know the management of the past year perfectly and vividly. It also helps in current work relative to the College Event Management System. It will also reduce the cost of collecting the management & collection procedure will go on smoothly.

### 1.5 Delimitations

The College Event Management System is only accessible through a laptop, PC, or a mobile device that supports Java. It is important to note that this system is restricted to registered users only and does not offer guest mode access. This feature ensures that all interactions within the system are secure and confidential, with access limited to authorized personnel only.

## CHAPTER 2

### REVIEW OF LITERATURES

#### 2.1 Empirical Review

According to Verma and Srivastava's (2017) research 'Study on Event Management Applications,' mobile applications are essential when companies market their products or services. The proposed system helps to bridge the gap between vendors and users by providing a platform for interaction and event management. The proposed system is considered successful when it provides a proper channel for event organisers to effectively manage their event and provide high-quality service to customers in real time. (Verma & Srivastava, 2017)

According to Ranjani and Kumari, the College Event Management System lessens the burden, effortlessly retrieves the data, keeps all records easily and gives fast access to any information in their research "College Event Management System". (T., Ranjani, & Kumari, 2020)

We studied " University Event Management System" by Balu and Krishnan. The project will help in managing event data and automate report generation. It will definitely reduce human effort and will make it easier for Universities to shift from traditional databases. (Balu & Krishnan, 2019)

## 2.2 Use Case Diagram



*Figure 1: Use Case Diagram*

Here in figure 1, use case diagram for the project College Event Management System is shown. The use case diagram shows the functions that can be operated by the admin and the user. Both the admin and the user have account registration which includes signing in, logging in and logging out of the admin and user account respectively. The admin can add events, view, manage and select them, and manage user. Similarly, the users can also view, search, and select events.



## 2.3 ER Diagram

The figure has been placed in appendix (Pg. 13).

Here in figure 2, it shows the ER Diagram of College Event Management Systems. The diagram has 3 entities i.e., Admin, Event, and User. Admin can manage event and user while user joins the event. Admin has attributes admin\_id, admin\_name, admin\_password, admin\_email, admin\_phone where admin\_id is primary key. Event has attributes event\_id, event\_date, event\_location, event\_name and event\_address where event\_id is primary key. Similarly, user also has attributes user\_id, user\_name, user\_password, user\_email and user\_phone where user\_id is primary key. Admin and user have 1:M relation. Similarly, admin and event have 1:M relation whereas user and event have M:M relationship.

## 2.4 System Module

The modules involved in this project are:

1. User (Attendees)
2. Admin

1. User in this module can:

- a) Sign up
- b) Login and logout from their profile
- c) View events
- d) Search events
- e) Register to events
- f) View their profile

2. Admin in this module can:

- a) Sign up
- b) Login and log out from their profile
- c) View, update and delete events
- d) View, update and delete users

## CHAPTER 3

### SYSTEM SPECIFICATIONS

#### 3.1 Introduction of System

College Event Management System is developed to override the problems prevailing in the practice manual system. This system will reduce the hardships faced by the existing system. It provides real-time data and analytics to event organizers, which helps them to make informed decisions about their events.

The application is made so that anyone using a computer to perform routine tasks can quickly comprehend how it works. To use this system, the user doesn't need any professional experience. The system delivers a reliable and user-friendly platform for all users. Thus, it will help organization in better utilization of resources.

The college event management system can save time and eliminates manual paperwork and reduces frustration, leading to a more enjoyable event experience overall.

#### 3.2 System Description

The College Event Management System provides most of the basic functionality required for an event. This software's functionality is divided into two parts: the user part and the admin part. Only admins can access the admin features, allowing them to add, update, select, and remove the required details from the software. The system allows only registered users to login, and new users may sign up on the application to view and book their preferred events.

## CHAPTER 4

### SYSTEM REQUIREMENT SPECIFICATIONS

#### 4.1 External Interface Requirement

The College Event Management System is a Java application where members can register their names for an event. The application will have a graphical interface instead of command lining thus, both user and admin can operate on the system to perform tasks such as:

- a. Events are created and managed from the admin panel.
- b. The main panel can view events added from the admin panel.
- c. Users/Attendees can register their names in the events.

#### 4.2 Software Configurations

This computer application will be developed using Java for the front end whereas MySQL for the database. The operating systems the program can run are windows 7, windows 10, windows 11, macOS, Linux.

- a. Java: Java has been used to create the software module and GUI. Sun Microsystems introduced Java, a programming language and computing platform, in 1995. It has grown from its modest origins to power a significant portion of the digital world by offering the solid foundation upon which numerous services and applications are developed. (Oracle, Java, 2023)
- b. MySQL: MySQL is used for the system's database. The most widely used open-source database worldwide is MySQL. MySQL is the second-most popular database, behind Oracle Database. Numerous of the most popular apps, including Facebook, Twitter, Netflix, Uber, Airbnb, Shopify, and Booking.com, are powered by MySQL. (Oracle, MySQL, 2023)

### 4.3 Hardware Configurations

- a. Processor: 2 core CPU
- b. Hard disk: At least 800MB
- c. RAM: 2GB

### 4.4 People Requirement

The software is designed to be user-friendly and accessible. However, to ensure a smooth and efficient registration process, users must meet certain requirements:

- a. Users should be able to read the English language.
- b. Users should be able to write the English language.
- c. Users must be able to use gadgets like computers.

## CHAPTER 5

### EXPECTED OUTCOME

#### 5.1 Expected Outcome of Research

The software will provide a secure platform for event organizers to handle the personal information of participants. It enables organizers to generate reports and analytics that give them insight into the success of their events. The College Event Management System will be user-friendly and easy to use, so it can encourage more people to sign up for events. This software will provide a seamless, efficient, straightforward registration process that benefits organizers and attendees. (Stova, 2022)

#### 5.2 Objectivity

Within the proposed title, objectivity will be retained. This project will evaluate the information from the administered survey and test the created system. The results will be interpreted based on the information provided by the user. The results shall be fair rather than the result expected from the project.

## CONTRIBUTION

Here, group members and their work contribution in this project has been shown:

- a. Arnav Rajbhandari: Coding, idea, and layout design.
- b. Shleshma Shrestha: Documentation, research, and testing.
- c. Simran Shrestha: Research and analysis.

## REFERENCES

- Balu, V., & Krishnan, P. V. (2019). *University event management system*. Tamil Nadu: International Journal of Science and Research (IJSR).
- Breitmeyer, R. (2015, July 21). *what are the 7 disadvantages to a manual system?* Retrieved from LinkedIn: <https://www.linkedin.com/pulse/what-7-disadvantages-manual-system-richard-breitmeyer>
- Chandrasekharan, A., & Venkat, N. (2012). Barcode enabled event management system for logistics and consumables management. *International Journal of Advanced Research in Computer and Communication Engineering*, 4273-4777. Retrieved from [https://www.ijarcce.com/upload/2013/november/23-\\_H\\_-Aswin-BARCODE\\_ENABLED.pdf](https://www.ijarcce.com/upload/2013/november/23-_H_-Aswin-BARCODE_ENABLED.pdf)
- Khullar, H. (2022, December 20). *What are the advantages of database management system?* Retrieved from Shine Learning: <https://learning.shine.com/talenteconomy/career-prospects/advantages-of-database-management-system/>
- McGregor, G. (2022). *Grant McGregor technology & people*. Retrieved from Grant McGregor Blog: <https://blog.grantmcgregor.co.uk/2017/how-technology-can-help-you-grow-your-business>
- Oracle. (2023). *Java*. Retrieved from Java: [https://www.java.com/en/download/help/whatis\\_java.html](https://www.java.com/en/download/help/whatis_java.html)
- Oracle. (2023). *MySQL*. Retrieved from <https://www.oracle.com/mysql/what-is-mysql/>
- Stova. (2022, January 17). *Why colleges & universities need event management software*. Retrieved from Stova: <https://stova.io/why-colleges-universities-need-event-management-software/>
- T., H., Ranjani, S., & Kumari, M. (2020). *College event management system*. Andhra Pradesh, India: International Research Journal of Engineering and Technology (IRJET). Retrieved from <https://www.studocu.com/in/document/ims-unison-university/information-technology/irjet-v7i3369-koghfgtg/38319554>
- Verma, A., & Srivastava, G. (2017). Study on event management applications. *International Journal of Innovative Science and Research Technology*, 99-104. Retrieved from <https://ijisrt.com/wp-content/uploads/2017/04/Study-on-Event-Management-Applications.pdf>



## APPENDIX

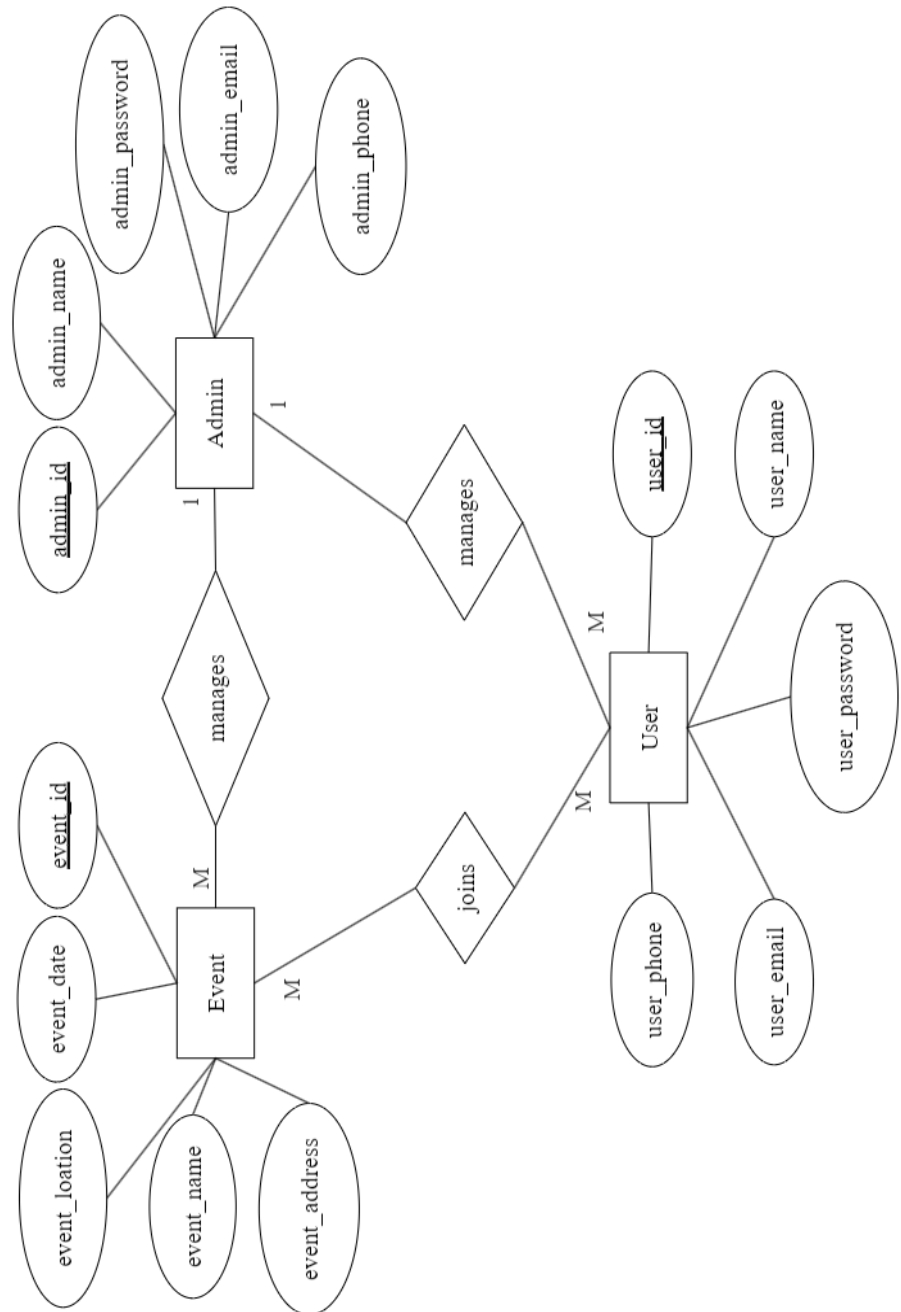


Figure 2: ER Diagram