



TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING, THAPATHALI
Department of Electronics and Computer Engineering

C-Project Presentation
on
Event Management System

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Mar 16, 2025



Problem Statement

- Guess what's happening tomorrow-any ideas?
- Have you heard about the latest teach fest coming up ?



Problem Statement

- Don't you think it would be beneficial for students if there was a system to track and notify us about upcoming events?



Idea

Introducing our solution:

An Event Management System!



Focus

Objectives

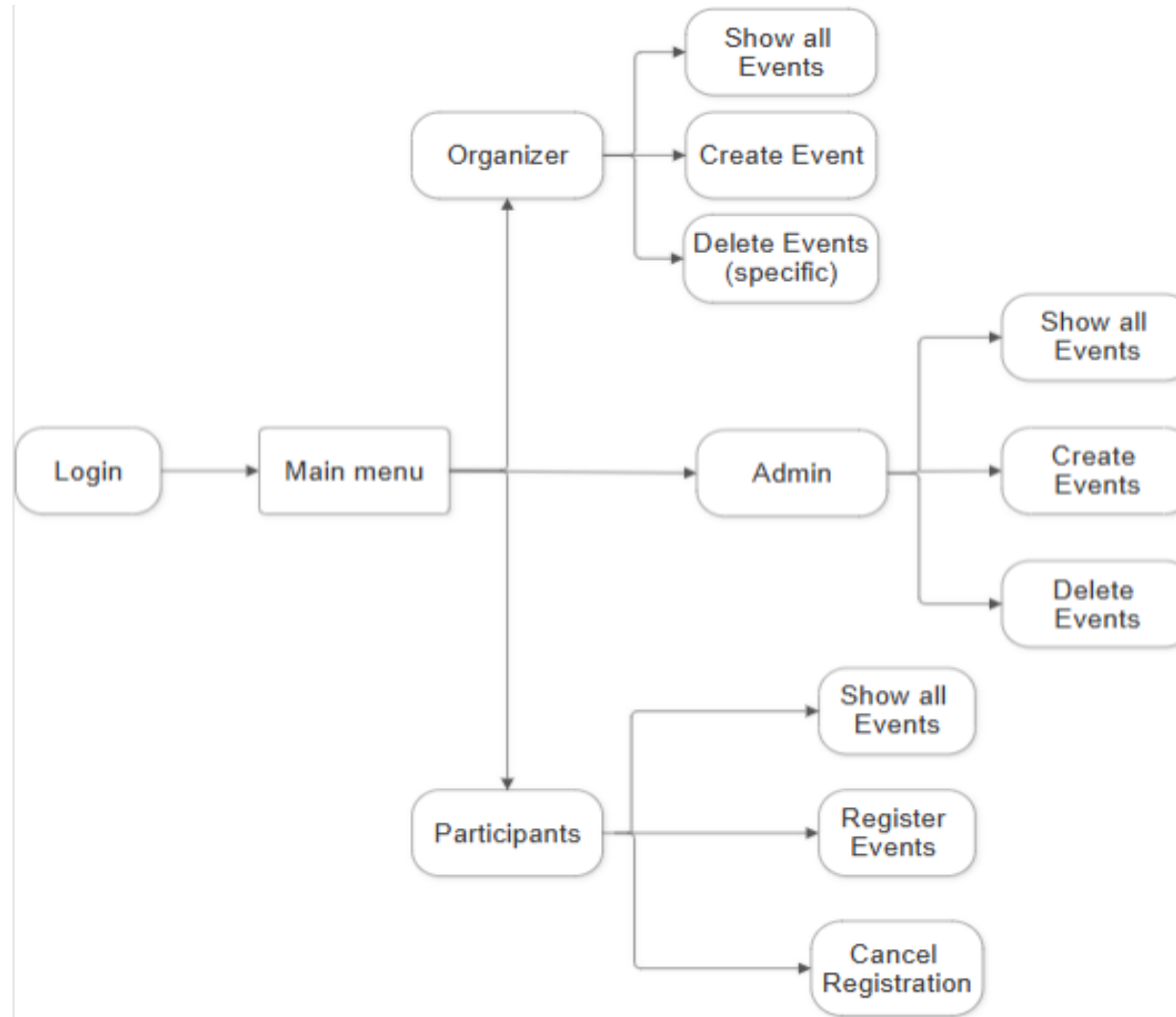
- Can be beneficial for Students like us.
- Centralized Event Information.
- Minimize the paperwork and manual recording.
- Easy Event Registration process for both organizers and Participants.

Language Used

- C programming



Block Diagram





Overview Structure

Modules

- Login Module
- Admin Module
- Organizer Module
- Participant Module



Login Menu

```
===== LOGIN MENU =====  
1. Admin  
2. Organizer  
3. Participant  
4. Exit  
Enter your choice: █
```

For admin (Default)

```
===== LOGIN AS A ADMIN=====  
Username: mandip  
Password: ***** █
```

For Organizer and Participant

```
===== LOGIN MENU =====  
1. Sign In  
2. Sign Up  
3. Exit  
Enter your choice: █
```




Admin Section

```
===== ADMIN MENU =====
```

1. Show All Events
2. Create Event
3. Delete Event
4. Logout

```
Enter your choice: █
```

Admin has all the access of all Events and have access to delete any event created by any Organizer

```
===== DELETE EVENT =====
```

```
Available events:
```

ID	Name	Location	Date	Time	Registered/Max

1	Yathartha	Thapathali	2/12/2024	10:00	1/99
2	Locus	Pulchowk	2/4/2025	10:00	0/99
3	DevFest	KU	4/2/2025	12:00	0/25
4	Tech-EX	Softwarica	5/6/2025	10:00	0/49
5	WordCamp	NICT	5/5/2025	10:00	0/60
6	COC	Thapathali	3/4/2025	11:00	1/99

```
Enter event ID to delete(0 for cancel): █
```



Organizer Section

```
===== ORGANIZER SIGN UP =====  
Username: rabi  
Password: lamichaney  
Account created successfully!  
  
Press any key to continue...|
```

```
===== ORGANIZER MENU =====  
1. Show All Events  
2. Show My Events  
3. Create My Event  
4. Delete My Event  
5. Logout  
Enter your choice: █
```

```
===== CREATE NEW EVENT =====  
Event Name: Yathartha  
Event Description: this is yathartha 2.0  
Location: Thapathali  
Date (DD/MM/YYYY): 2/12/2024  
Time (HH:MM): 10:00  
Maximum Participants: 99  
  
Event created successfully with ID: 1  
  
Press any key to continue...█
```

Organizer can create the events and able to Delete their own events



Participation Section

```
===== PARTICIPANT MENU =====
```

1. Show Available Events
2. Register for Event
3. Show Registered Events
4. Cancel Registration
5. LogOut

```
Enter your choice: █
```

Participant can Register for an Event with respective Event IDs and also cancel Registration

```
===== REGISTER FOR EVENT =====
```

```
Available/Vacant Events:
```

ID	Name	Location	Date	Time	Registered/Max

1	Yathartha	Thapathali	2/12/2024	10:00	1/99 (Registered)
2	Locus	Pulchowk	2/4/2025	10:00	0/99
3	DevFest	KU	4/2/2025	12:00	0/25
4	Tech-EX	Softwarica	5/6/2025	10:00	0/49
5	WordCamp	NICT	5/5/2025	10:00	0/60
6	COC	Thapathali	3/4/2025	11:00	0/99

```
Enter Event ID to register (0 to cancel): █
```



Tools and Resources used

IDE

- Visual studio code

Version Control

- Git
- Github



Tools and Resources used

Programming Language

- C

Header Files

- `stdio.h`
- `conio.h`
- `stdlib.h`
- `string.h`



Future Improvement

- Expand the system to a web-based and mobile platform.
- Replace file handling with a relational database like MySQL.
- Automated Notifications.
- Payment Gateway Integration.
- AI-Based Event Recommendations (Events Suggestion).
- Provide detailed reports, statistics, and graphical analysis of event participation and trends.
- User Role Expansion by Introducing additional roles such as event sponsors, vendors, etc.



Conclusion

- Hands-on Learning – Applied C programming to solve a real-world problem.
- Team Collaboration – Strengthened problem-solving and teamwork skills.
- Challenges & Growth – Overcame technical hurdles, improving creativity and persistence.
- Project Documentation – Successfully prepared a proposal and report.
- Future Scope – Inspired to explore databases, web development, and AI for enhancements.



Queries?



Queries?

THANK YOU!