

EventSight

Presented By:

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Aayush Gupta
Arjun Kathail

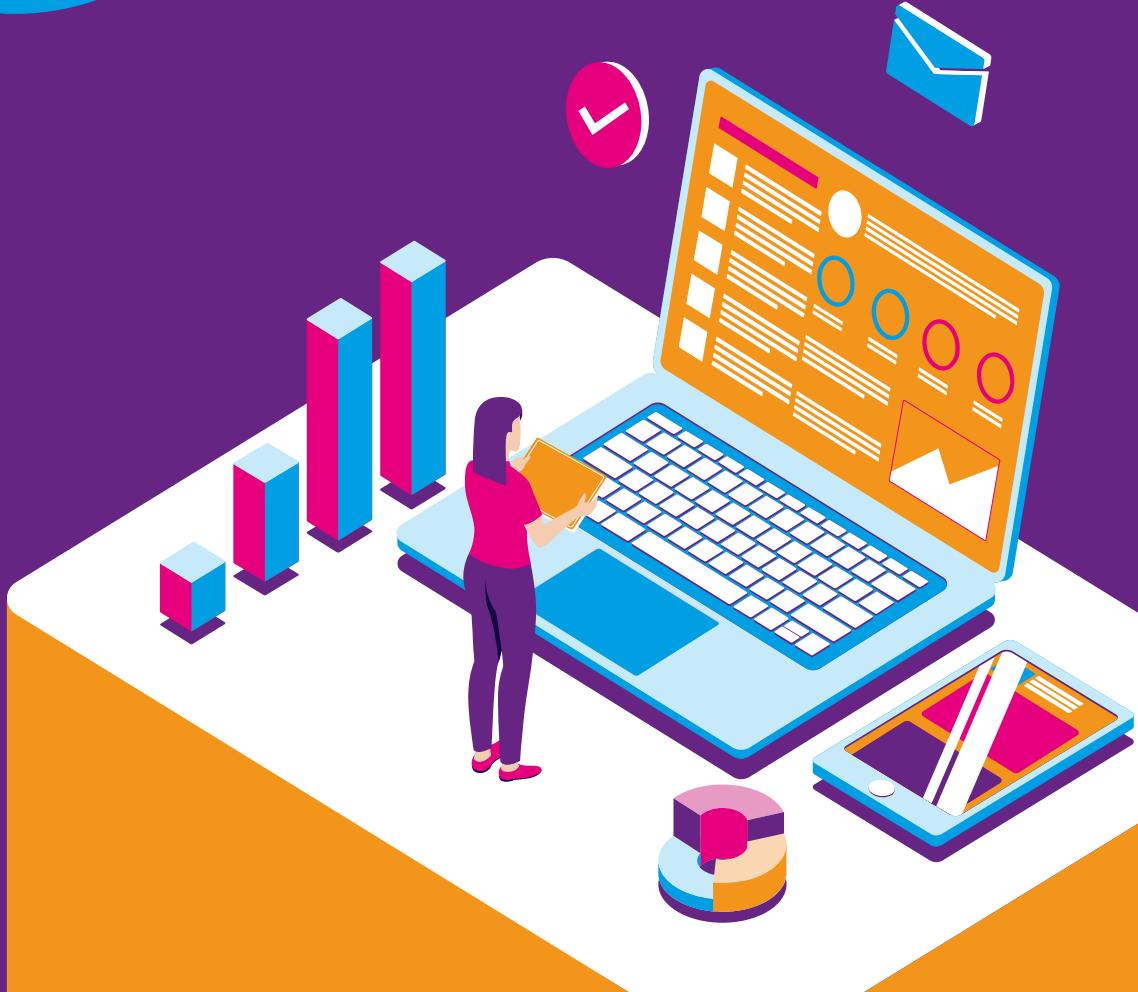


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Problem Definition

To make an

- **efficient and**
- **a reliable event feed for all college events and activities.**

There are a lot of **students** who **miss out on opportunities**, events and activities due to spamming in class groups, causing them to miss the deadlines of the events they are interested in.

Methodology

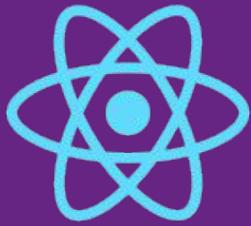
The main purpose of EventSight at an institutional level is to keep all the students updated about the activities, events and opportunities that are provided by different clubs through our website.



-
- ```
graph TD; 1((1)) --- 2((2)); 2 --- 3((3)); 3 --- 4((4));
```
- The Secretaries then **CREATE** a page for their respective **Clubs/ Societies/ Ed-Boards** and can **POST** the details and posters/videos of their upcoming events.
  - Students (Non-Members) can then **FOLLOW** the pages of these clubs of their liking and the students (Members) who are a member of these clubs can send a **VERIFICATION REQUEST** to these clubs and if approved can then **VIEW** the members-only-events of these clubs.
  - The Students can also **BOOKMARK** the events of their liking for future reference and can also **COMMENT** for queries.
  - The Students also have the option to set a **REMINDER** for the event using **GOOGLE CALENDAR SERVICES** which will **NOTIFY** them before the activity/event takes place.
- The students and the club secretaries **SIGN-UP** using their respective PEC ID's and fill out some basic information about themselves which includes SID, Branch and Graduation Year
  - The Students can further go on to **REGISTER** themselves for these events through the click of a button and all the related information of the student will be **FORWARDED** to the club secretaries without the need of the student to fill basic information about him time and again.
  - These **REGISTRATION REQUESTS** can then be **APPROVED** by the respective club secretaries, and the candidate will then be **REGISTERED** if he is **APPROVED**

# Development Tools





# Frontend

- React is an open-source, front end, JavaScript library for building user interfaces or UI components which is maintained by Facebook
- Redux is an open-source JavaScript library for managing application state which is most commonly used with libraries such as React or Angular for building user interfaces
- React-strap

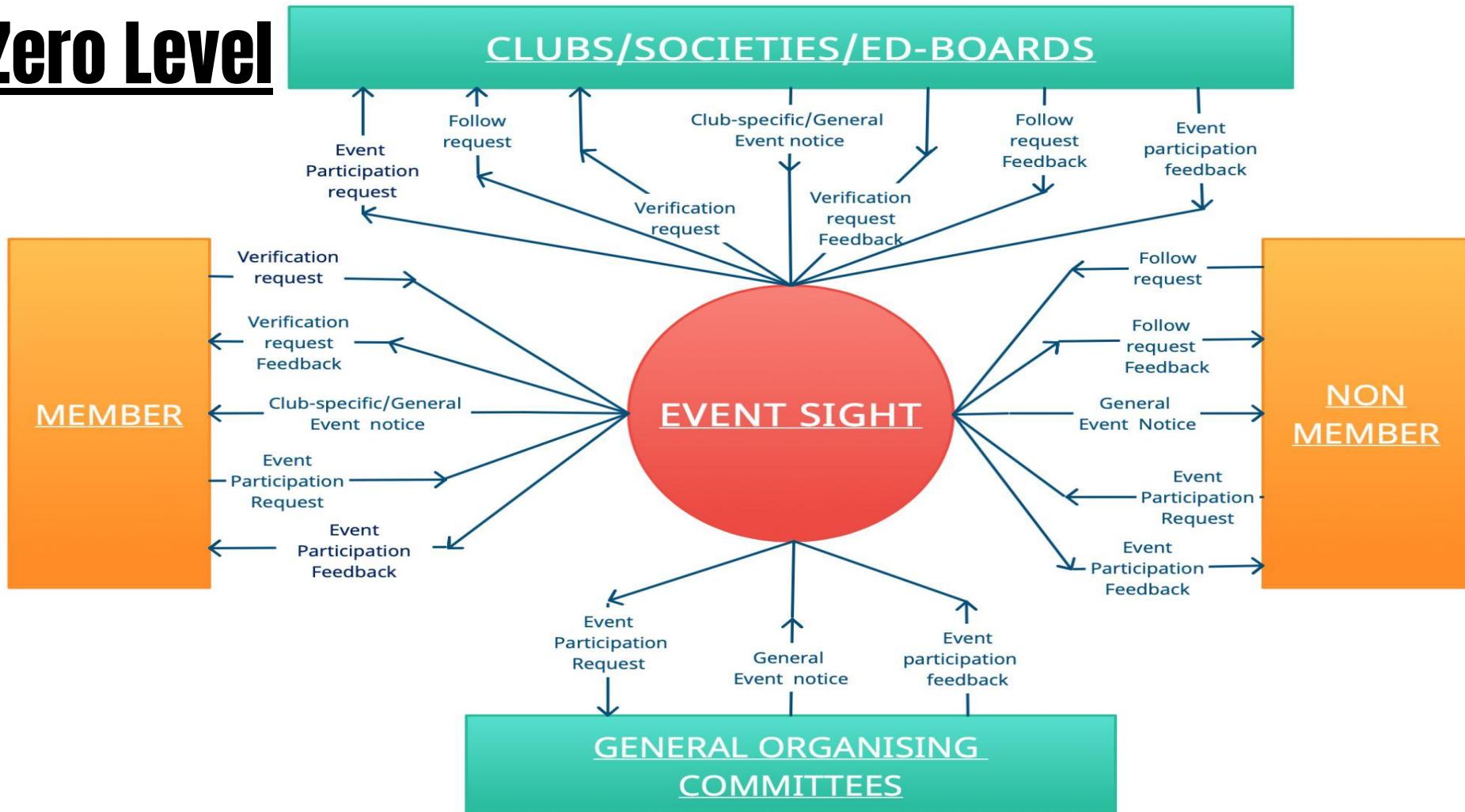


# Backend

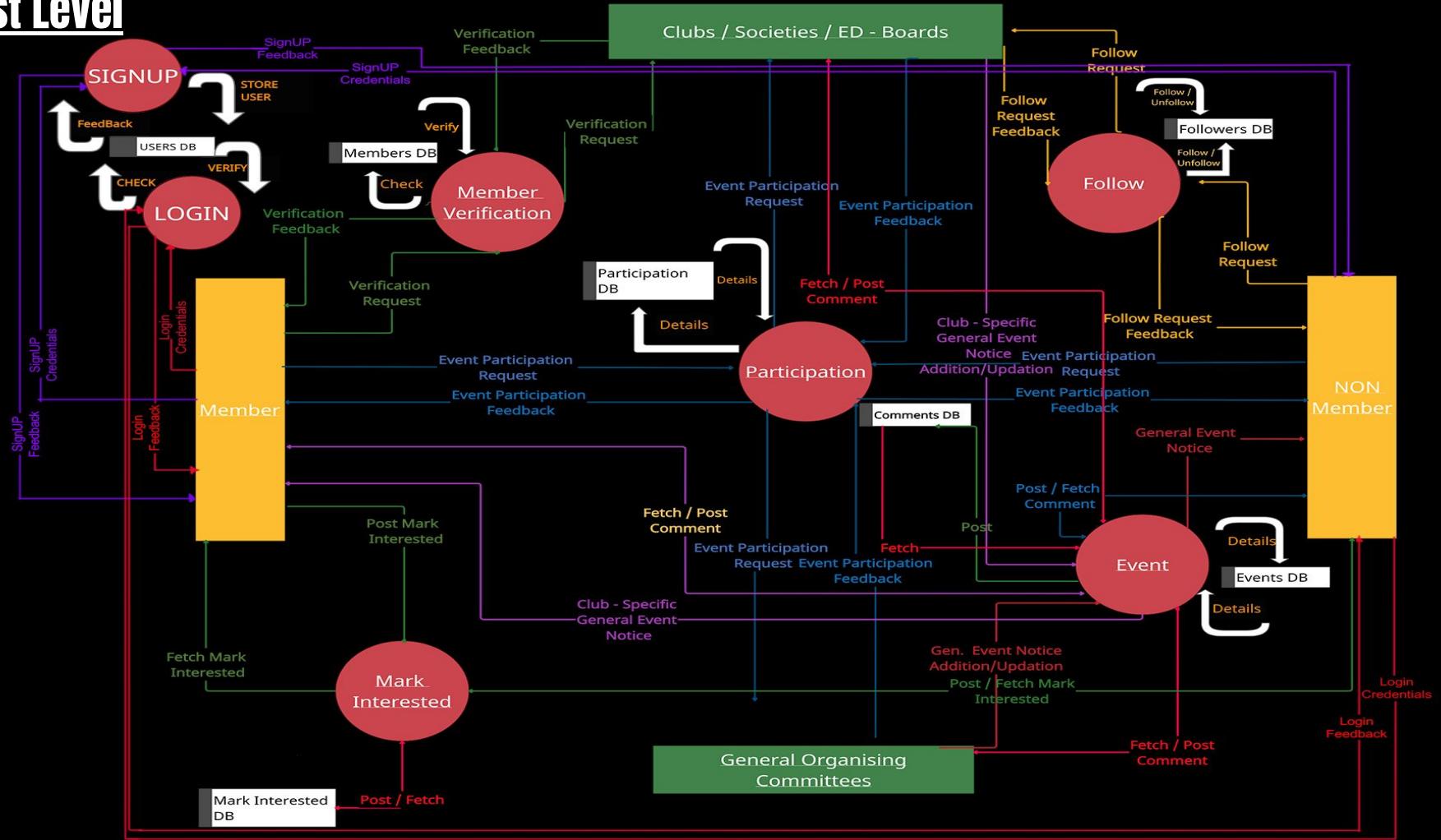
- **Django** is a Python-based free and open-source web framework that follows the model-template-views (MTV) architectural pattern.
- It is maintained by the **Django Software Foundation (DSF)**, an American independent organization established as a 501(c)(3) non-profit.

# Data Flow Diagrams (DFDs)

# Zero Level



# First Level



# Decision Table

| CONDITION STATEMENTS                      |                                           | CONDITION ENTRIES |   |   |   |   |   |   |   |
|-------------------------------------------|-------------------------------------------|-------------------|---|---|---|---|---|---|---|
| Action                                    | Condition                                 | Y                 | Y | Y | Y | Y | Y | Y | N |
| Show Invalid Credentials                  | Logged in Successfully?                   | Y                 | Y | Y | Y | Y | Y | Y | N |
| Can Create Event Post                     | Logged in as Club Admin?                  | Y                 | N | N | N | N | N | N | N |
| Student Can Register for the Event        | Is Club Member?                           | -                 | Y | Y | N | N | N | N | N |
| Student Cannot Register for the Event     | Student Folows the Club?                  | -                 | - | Y | Y | Y | Y | N | - |
| Student Participates in the Event         | Is Event Open to All?                     | -                 | - | Y | Y | Y | Y | N | - |
| Student does not Participate in the Event | Student Registers for the Event?          | Y                 | N | Y | N |   |   |   |   |
| ACTION STATEMENTS                         |                                           | ACTION ENTRIES    |   |   |   |   |   |   |   |
| Show Invalid Credentials                  | Can Create Event Post                     | X                 |   |   |   |   |   |   | X |
| Student Can Register for the Event        | Student Cannot Register for the Event     | X                 | X | X | X |   |   |   | X |
| Student Participates in the Event         | Student does not Participate in the Event | X                 | X | X | X |   |   |   | X |

# Data Dictionary

# Processes

| Sr. no. | Process Name        | Description                                                                                                  | Inbound Data Flows                                                  | Outbound Data Flows                                   |
|---------|---------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------|
| 1       | Login               | Logging into the App. The role of the person (i.e. Student/Admin) is to be declared at the time of the login | Login Credentials                                                   | Login Feedback                                        |
| 2       | Signup              | Signing Up of new user                                                                                       | SignUp Credentials                                                  | SignUp Feedback                                       |
| 3       | Member Verification | Veryfing and Accepting Member requests                                                                       | Member Verification Request Student Details                         | Feedback (Accept/Denial)                              |
| 4       | Follow              | Sending Follow Request                                                                                       | Follow request Student Details                                      | Feedback (Accept/Denial)                              |
| 5       | Event               | Handling Events                                                                                              | 1. Added/Updated General/Club Specific Event Notices<br>2. Comments | 1. General/Club Specific Event Notices<br>2. Comments |
| 6       | Participation       | Register to participate in events                                                                            | Event Participation Request                                         | Feedback (Accept/Denial)                              |
| 7       | Mark Interested     | Marking the events that one is interested in.                                                                | Interested Event Details                                            | Interested Event Details                              |

# Data Flow

| Sr. no. | Data Flow Name                                    | Description                                                                        | From Processes | To Processes        | Data Structures           |
|---------|---------------------------------------------------|------------------------------------------------------------------------------------|----------------|---------------------|---------------------------|
| 1       | Login credentials                                 | The details that the user has to enter to verify his/her identity as Student/Admin |                | Login               | Student Login Credentials |
| 2       | Login Feedback                                    | Identity verification feedback                                                     | Login          |                     | Student Details           |
| 3       | SignUp Credentials                                | The details that the user has to enter to create a new account                     |                | Signup              | Student Details           |
| 4       | SignUp Feedback                                   | New account creation feedback                                                      | Signup         |                     | Student Details           |
| 5       | Member Verification Request Student Details       | request to a club to accept as a member                                            |                | Member Verification | Member request            |
| 6       | Follow request Student Details                    | request to follow a club                                                           |                | Follow              | Club Follow Request       |
| 7       | Added/Updated General/Club Specific Event Notices | The event details of all the newly posted or updated events                        |                | Event               | Event Details             |

|                                          |                                                  |                 |                                        |
|------------------------------------------|--------------------------------------------------|-----------------|----------------------------------------|
| General/Club Specific Event<br>8 Notices | Fetched Posted/Updated Event Details             | Event           | Event Details                          |
| 9 Event Participation request            | The details to register in an event              | Participation   | 1. Event Details<br>2. Student Details |
| 10 Interested Event Details              | The details to save an event as Interested Event | Mark Interested | 1. Event Details<br>2. Student Details |
| 11 Interested Event Details              | The fetched details of Interested Events         | Mark Interested | Event Details                          |
| 12 Comments                              | Posting comments under an Event                  | Event           | Comment Details                        |
| 13 Comments                              | Fetching comments under an Event                 | Event           | Comment Details                        |

# Data Structures

## Student details:

- Password
- Username
- First\_name
- Last\_name
- Email
- Branch

## Club details:

- Club Name
- Admin
- Description

## Student login credentials:

- Username
- Password
- Role (Student/Admin)

## Member Request:

- Student details
- Club details

## Club Follow Request:

- Student details
- Club details

## Event details:

- Event ID
- Title
- Description
- Details
- date\_time
- open\_to\_all
- image\_url
- Organizer(Club Name)

## Comment:

- Comment ID
- Comment Text
- Comment date\_time
- Username (Student details)
- Event ID (Event details)

# Data Stores

| Data Stores    |   |             |                       |           |                 |
|----------------|---|-------------|-----------------------|-----------|-----------------|
|                | P | Primary Key |                       |           |                 |
|                | F | Foreign Key |                       |           |                 |
|                |   |             |                       |           |                 |
| Student        | P | username    | Student Id            | TEXT      | 8 characters    |
|                |   | email       | email                 | TEXT      | 32 characters   |
|                |   | password    | password              | TEXT      | 32 characters   |
|                |   | first_name  | First Name            | TEXT      | 32 characters   |
|                |   | last_name   | Last Name             | TEXT      | 32 characters   |
| Club           | P | name        | Club Name             | TEXT      | 128 characters  |
|                |   | admin       | admin(Student) Id     | TEXT      | 8 characters    |
|                |   | description | description           | TEXT      | 2048 characters |
|                |   | image_url   | URL of Image          | TEXT      |                 |
| members        | F | username    | Student Id            | TEXT      | 8 characters    |
|                |   | club_id     | Club Id               | INTEGER   | 8 bytes         |
| followers      | F | username    | Student Id            | TEXT      | 8 characters    |
|                |   | club_id     | Club Id               | INTEGER   | 8 bytes         |
| member_request | F | username    | Student Id            | TEXT      | 8 characters    |
|                |   | club_id     | Club Id               | INTEGER   | 8 bytes         |
|                |   | date_time   | date, time of request | date/time |                 |

# Data Stores

| TABLE                 | P/F | Field Name   | Context            | Data Type | Data Size/Length |
|-----------------------|-----|--------------|--------------------|-----------|------------------|
| Event                 | P   | event_id     | ID                 | INTEGER   | 8 bytes          |
|                       | F   | organizer    | Club ID            | INTEGER   | 8 bytes          |
|                       |     | title        | title              | TEXT      | 128 characters   |
|                       |     | description  | description        | TEXT      | 2048 characters  |
|                       |     | details      | details            | TEXT      | 2048 characters  |
|                       |     | date_time    | date/time of event | date/time |                  |
|                       |     | open_to_all  | scope of event     | boolean   | 1 bit            |
|                       |     | image_url    | image of event     | TEXT      |                  |
| interested            | F   | username     | Student Id         | TEXT      | 8 characters     |
|                       | F   | event_id     | Event Id           | INTEGER   | 8 bytes          |
| participants          | F   | username     | Student Id         | TEXT      | 8 characters     |
|                       | F   | event_id     | Event Id           | INTEGER   | 8 bytes          |
| participation_request | F   | username     | Student Id         | TEXT      | 8 characters     |
|                       | F   | event_id     | Event Id           | INTEGER   | 8 bytes          |
|                       |     | date_time    | date               | date/time |                  |
| Comment               | P   | comment_id   | ID                 | INTEGER   | 8 bytes          |
|                       |     | comment_text | content in comment | TEXT      | 2048 characters  |
|                       |     | date_time    | date/time created  | date/time |                  |
|                       | F   | username     | Student Id         | TEXT      | 8 characters     |
|                       | F   | event_id     | Event Id           | INTEGER   | 8 bytes          |

# Project Screenshots

# Login Page (Students)

*Event Sight*

*Event Sight*

SID

19103007



Password

\*\*\*\*\*



Password must be 7-20 Characters long and must contain one numeric and one special character

Select Role

Student

Admin



I'm not a robot



reCAPTCHA  
Privacy - Terms

Login

Don't have an account? [Sign up](#)

## Login Page (Admin)

*Event Sight*

# Event Sight

SID

19103007



Password

.....



Password must be 7-20 Characters long and must contain one numeric and one special character

Select Role

Student

Admin

Select Society / Club / Ed-Board

Aerospace Technical Society

I'm not a robot



Privacy - Terms

Login

Don't have an account? [Sign up](#)

# Validation of Login credentials

*Event Sight*

# Event Sight

SID

22103007

ⓘ

Password

\*\*\*\*\*

ⓘ

Password must be 7-20 Characters long and must contain one numeric and one special character

Select Role

Student

Admin

I'm not a robot



reCAPTCHA  
Privacy - Terms

Login

Don't have an account? [Sign up](#)

# New Student Sign Up

Event Sight

## Sign Up

First Name

Shivam

Last Name

Arora

SID

1910300

Select Branch

Computer Science & Engineering

Email Address

shivamarora.bt19cse@pec.edu.in

Password

\*\*\*\*\*



Password must be 7-20 Characters long and must contain one numeric and one special character

Confirm Password

\*\*\*\*\*



I'm not a robot



reCAPTCHA  
Privacy - Terms

Sign Up

# Primary key constraint check

## Sign Up

First Name  ✓

Last Name  ✓

SID  ✓

Select Branch

Email Address  ✓

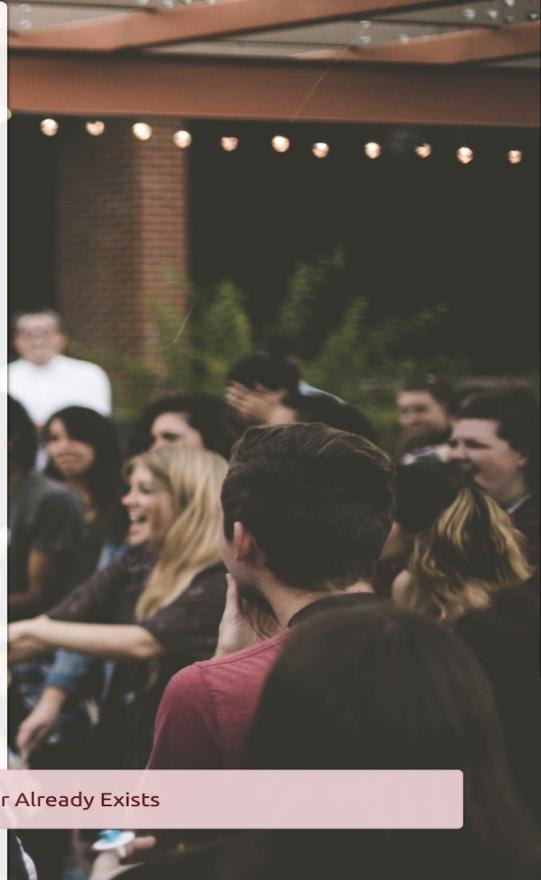
Password  ✓

Confirm Password  ✓

I'm not a robot   
reCAPTCHA  
Priv

**Sign Up**

Invalid Credentials or User Already Exists





## Art and Photography Club

1 Followers

APC, Punjab Engineering College

1 Members



Poster Making

Competition



Paint It Out

# Member Request Validation

Event Sight



| Member ID | Name            | Status |
|-----------|-----------------|--------|
| 19103022  | Sarthak Chauhan | ✓ ✗    |
| 19103026  | Aayush Gupta    | ✓ ✗    |
| 19103028  | Arjun Kathail   | ✓ ✗    |



## Art and Photography Club

2 Followers

1 Members

APC, Punjab Engineering College



Poster Making



Paint It Out

# Admin Creates New Event

Event Sight



## Create Event

### Event Title

Paint It Out

### Event Description

Art and Photography Club PEC in collaboration with [PECfest](#) brings to you an online art competition "Paint it out".

### Date

04/05/2021

### Time

04:30 PM



### Event Details/Rules

#### RULES:

- \*The theme is Spring/Autumn\*🎨🖼
- \*2021, one contestant can submit one entry\*
- \*The contestant has to submit 1 photograph of the artwork and 5 videos of making the artwork with the face and artwork clearly visible in the videos\*
- \*Artwork should be originally made, any kind of cheating will lead to disqualification\*
- \*Entries would be considered only if the participant follows Art and Photography Club and [PECFEST](#) pages on Instagram and Facebook\*
- PECFEST: @pec.pecfest

### Select Event Type

Member Specific

General

**Screenshot 2021-04-29 at 10.02.27 PM.png**

Less than 4 MB

Add Event

# Event Page

Event Sight



Event Poster

Detailed Info

Registered Students



Paint It Out



Arjun Kathail

Great Event

Aayush Gupta

Is it a group event??

Shivam Arora

No, it is not a group event

Type your comment



# Event Page (Detailed info)

Event Sight



Event Poster

Detailed Info

Registered Students



## Paint It Out

Art and Photography Club PEC in collaboration with PECfest brings to you an online art competition "Paint it out".

Date: **2021-05-04**

Time: **16:30:00**

### RULES:

\*The theme is Spring/Autumn\*

\*2021, one contestant can submit one entry\*

\*The contestant has to submit 1 photograph of the artwork and 5 videos of making the artwork with the face and artwork clearly visible in the videos\*

\*Artwork should be originally made, any kind of cheating will lead to disqualification\*

\*Entries would be considered only if the participant follows Art and Photography Club and PECFEST pages on Instagram and Facebook\*

Arjun Kathail

Great Event

Aayush Gupta

Is it a group event??

Shivam Arora

No, it is not a group event

Type your comment



# Event Page (Registered Students)

Only visible to admin

## Event Sight

Event Poster    Detailed Info    Registered Students     

 Paint It Out

| ID       | Name            | Department                     |
|----------|-----------------|--------------------------------|
| 19103022 | Sarthak Chauhan | Computer Science & Engineering |
| 19103026 | Aayush Gupta    | Computer Science & Engineering |
| 19103028 | Arjun Kathail   | Computer Science & Engineering |

[Download Participants' Details](#) 

Arjun Kathail  
Great Event

Aayush Gupta  
Is it a group event??

Shivam Arora  
No, it is not a group event

Type your comment 

Paint It Out.csv  Show all 

# Registered Students' Downloaded csv

## Paint It Out

| SID      | Name            | Branch                         | Email                                                                                    |
|----------|-----------------|--------------------------------|------------------------------------------------------------------------------------------|
| 19103022 | Sarthak Chauhan | Computer Science & Engineering | <a href="mailto:sarthakchauhan.bt19cse@pec.edu.in">sarthakchauhan.bt19cse@pec.edu.in</a> |
| 19103026 | Aayush Gupta    | Computer Science & Engineering | <a href="mailto:aayushgupta.bt19cse@pec.edu.in">aayushgupta.bt19cse@pec.edu.in</a>       |
| 19103028 | Arjun Kathail   | Computer Science & Engineering | <a href="mailto:arjunkathail.bt19cse@pec.edu.in">arjunkathail.bt19cse@pec.edu.in</a>     |

# Event-updation

Event Sight



Event Poster

Detailed Info

Registered



Paint

19103022

Sarthak Chauhan

19103026

Aayush Gupta

19103028

Arjun Kathail

## Event Title

Paint It Out

## Event Description

Art and Photography Club PEC in collaboration with PECfest brings to you an online art competition "Paint it out".

## Date

dd/mm/yyyy

## Time

:- :-



## Event Details/Rules

### RULES:

- \*The theme is Spring/Autumn\*
- \*2021, one contestant can submit one entry\*
- \*The contestant has to submit 1 photograph of the artwork and 5 videos of making the artwork with the face and artwork clearly visible in the videos\*
- \*Artwork should be originally made, any kind of cheating

Select Event  Member

General

Type

Specific

Update Event

Arjun Kathail

Great Event

Aayush Gupta

Is it a group event??

Shivam Arora

No, it is not a group event

Type your comment



# Event-deletion

Event Sight

Event Poster   Detailed Info   Registered:

Do you want to delete Paint It Out ?

Delete   Cancel

Arjun Kathail  
Great Event

Aayush Gupta  
Is it a group event??

Shivam Arora  
No, it is not a group event

19103022   Sarthak Chauhan   Computer Science & Engineering

19103026   Aayush Gupta   Computer Science & Engineering

19103028   Arjun Kathail   Computer Science & Engineering

Type your comment



### Poster Making Competition

Date: 2021-05-08

Time: 17:30:00

"POSTER MAKING COMPETITION" on the theme



### Paint It Out

Date: 2021-05-04

Time: 16:30:00

Art and Photography Club PEC in collaboration

# List of Clubs/ Societies/ Ed-Boards

EventSight



## General Organising Committee



**Art and Photography Club**



**Speakers Association & Study C...**



**Punjabi Editorial Board**



**Entrepreneurship & Incubation ...**



**Dramatics Club**



**ACM-CSS Student Chapter**



## Art and Photography Club

3 Followers

3 Members

APC, Punjab Engineering College

Follow

Request Membership



## Art and Photography Club

4 Followers

3 Members

APC, Punjab Engineering College

Unfollow

Request Membership



## Art and Photography Club

3 Followers

3 Members

APC, Punjab Engineering College

Follow

Membership Requested



## Art and Photography Club

4 Followers

4 Members

APC, Punjab Engineering College

Cancel Membership

Follow and  
Membership  
Buttons

## Event Cards



### Poster Making Competition

Date: 2021-05-08  
Time: 17:30:00

"POSTER MAKING COMPETITION" on the theme "Patriotism".



### Paint It Out

Date: 2021-05-04  
Time: 16:30:00

Art and Photography Club PEC in collaboration with PECfest b...



# Event Page (Student's Interface)

Event Sight



Event Poster

Detailed Info



## Paint It Out



**Set Reminder**

**Arjun Kathail**

Great Event

**Aayush Gupta**

Is it a group event??

**Shivam Arora**

No, it is not a group event

Type your comment



# Set Reminder for Events

**x Paint It Out**

May 4, 2021 4:30pm to 4:30pm May 4, 2021 Time zone

All day Does not repeat ▾

[Event Details](#) [Find a Time](#)

Add Google Meet video conferencing

Add location

Notification ▾ 10 minutes ▾ X

Add notification

bt19103007 Shivam Arora

Busy Default visibility

Art and Photography Club PEC in collaboration with PECfest brings to you an online art competition "Paint it out". RULES:\*The theme is Spring/Autumn\*\*2021, one contestant can submit one entry\*\*The contestant has to submit 1 photograph of the artwork and 5 videos of making the artwork with the face and artwork clearly visible in the videos\*\*Artwork should be originally made, any kind of cheating will lead to disqualification\*\*Entries would be considered only if the participant follows Art and Photography Club and PECFEST pages on Instagram and Facebook\*PECFEST: @pecpecfestART AND PHOTOGRAPHY CLUB:  
@artandphotographyclub\*Participants have to register online on the Pecfest website\*\*Upload your videos and photo in your drive. Make a folder of your name as Name\_PecfestID and upload both of them. Email us your link at apc@pec.edu.\*Entries should be submitted by \*10th April, 2021 11:59 pm\*The decision of judges will be final.Artwork will be judged using the following criteria: uniqueness/originality, professional quality (neatness and craft), aesthetic quality (design, composition, color/tones), concept, selection and application of materials, and complexity/level used.The winners will receive exciting cash prizes:  
First prize: Rs 1500  
Second prize: Rs 1000  
Third prize: Rs 500  
The results will be declared on \*11th April, 2021\*REGISTER NOW!!

**Save**

+

>

# Registered Events

Event Sight



## Registered Events

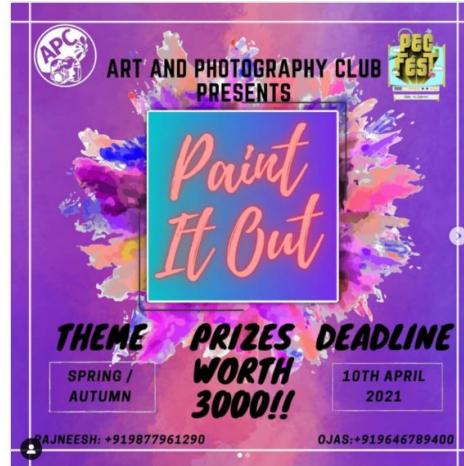


### Poster Making Competition

Date: 2021-05-08

Time: 17:30:00

"POSTER MAKING COMPETITION" on the theme



### Paint It Out

Date: 2021-05-04

Time: 16:30:00

Art and Photography Club PEC in collaboration

# Interested Events

Event Sight



## Interested Events



### Poster Making Competition

Date: 2021-05-08  
Time: 17:30:00

"POSTER MAKING COMPETITION" on the theme



### Improv Premier

Date: 2021-05-03  
Time: 17:10:00

Wait for your turn based on the best practice in the

```
1 from django.urls import path
2 from django.conf.urls.static import static
3 from django.conf import settings
4 from .views import *
5
6 urlpatterns = [
7 path('register/', register_view),
8 path('login/', login_view),
9 path('logout/', logout_view),
10 path('event_display/', event_display),
11 path('create_event/', create_event),
12 path('update_event<int:pk>/', update_event),
13 path('event_register/', event_register),
14 path('event_interested/', event_interested),
15 path('get_events_via_club/', get_events_via_club),
16 path('club_display/', club_display),
17 path('club_follow/', club_follow),
18 path('club_unfollow/', club_unfollow),
19 path('member_request/', create_member_request),
20 path('member_request_verify/', member_request_validation),
21 path('get_members_requested/', get_members_requested),
22 path('remove_member/', remove_member),
23 path('member_request_check/', member_request_check),
24 path('fetch_club/', fetch_club),
25 path('create_comment/', create_comment),
26 path('interested_participated_events/', interested_participated_events),
27 path('all_interested_participants/', all_interested_participants),
28 path('get_event_via_id/', get_event_via_id),
29 path('remove_interest_participation/', remove_interest_participation),
30 path('display_comments/', display_comments),
31 path('delete_event/', delete_event),
32]
33
34 urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

**26-different urls for handling requests.**

## Student Table

```
4 class Student(models.Model):
5 student_id = models.CharField(max_length=8, primary_key=True)
6 password = models.CharField(max_length=1024)
7 email = models.EmailField(max_length=1024)
8 first_name = models.CharField(max_length=64)
9 last_name = models.CharField(max_length=64)
10 branch = models.CharField(max_length=64)
11
```

## Club Table

```
13 class Club(models.Model):
14
15 # club will have an admin, and if we delete admin then it would do nothing
16 name = models.CharField(max_length=128, primary_key=True)
17 admin = models.ForeignKey(
18 Student, on_delete=models.DO_NOTHING, default=None, related_name="club_admin")
19 description = models.CharField(max_length=2048)
20 followers = models.ManyToManyField(
21 Student, blank=True, related_name="follow_list")
22 members = models.ManyToManyField(
23 Student, blank=True, related_name="member_list")
24 image_url = models.URLField()
25 club_picture = models.ImageField(upload_to='club_uploads/', blank=True)
26
27 def __str__(self):
28 return f"{self.name}, administered by: {self.admin}"
29
```

## Member-request table

```
31 class member_request(models.Model):
32 student = models.ForeignKey(
33 Student, on_delete=models.CASCADE, default=None)
34 club = models.ForeignKey(Club, on_delete=models.CASCADE, default=None)
35 date_time = models.DateTimeField(auto_now_add=True)
36
37
```

## Event table

```
38 class Event(models.Model):
39
40 # if organizers are deleted, then Event would also be deleted
41 title = models.CharField(max_length=128)
42 description = models.CharField(max_length=2048)
43 details = models.CharField(max_length=2048)
44 date_time = models.DateTimeField()
45 organizer = models.ForeignKey(
46 Club, on_delete=models.CASCADE, related_name="event_organizers")
47 interested = models.ManyToManyField(
48 Student, blank=True, related_name="interested_events")
49 participants = models.ManyToManyField(
50 Student, blank=True, related_name="participated_events")
51 open_to_all = models.BooleanField()
52 image_url = models.URLField()
53 photo = models.ImageField(upload_to="upload/", blank=True)
54
```

## Comment Table

```
56 class Comment(models.Model):
57
58 comment_text = models.CharField(max_length=2048)
59 date_time = models.DateTimeField(auto_now_add=True)
60 student = models.ForeignKey(
61 Student, on_delete=models.CASCADE, default=None)
62 event = models.ForeignKey(Event, on_delete=models.CASCADE, default=None)
63
```

```

23
24 @api_view(['GET', 'POST'])
25 def register_view(request):
26 if request.method == "POST":
27 serializer = student_serializer(data=request.data)
28 if serializer.is_valid():
29 try:
30 student_id = serializer.validated_data.get('student_id')
31 password = serializer.validated_data.get('password')
32 email = serializer.validated_data.get('email')
33 first_name = serializer.validated_data.get('first_name')
34 last_name = serializer.validated_data.get('last_name')
35 branch = serializer.validated_data.get('branch')
36 student = Student.objects.create(
37 student_id=student_id, password=make_password(password), email=email, first_name=first_name, last_name=last_name, branch=branch)
38 student.save()
39
40 # if there is Goc then add student to follow list.
41 try:
42 Goc = Club.objects.get(name="General Organising Committee")
43 Goc.followers.add(student)
44 except:
45 pass
46
47 credentials = student_serializer(student)
48 new_token = Token.objects.create(
49 student_id=student_id, token=get_random_string(length=32))
50 new_token.save()
51 return Response({"credentials": credentials.data,
52 "token": new_token.token
53 }, status=status.HTTP_201_CREATED)
54
55 except IntegrityError:
56 # student_id already taken or some integrity error
57 return Response(serializer.data, status=status.HTTP_422_UNPROCESSABLE_ENTITY)
58
59 # inappropriate fields
60 return Response(serializer.errors, status=status.HTTP_400_BAD_REQUEST)
61 # otherwise render register page
62 elif request.method == "GET":
63 return Response(status=status.HTTP_200_OK)
64

```

**Total 26 views, register\_view is one of them.**

# Future Scope

- Can be made dynamic for adding new clubs and authentication of their admins
- Can be modified and optimised for usage in other colleges
- The functionality can be extended to a mobile app



# Thank You!