

# **GROUP-74**

## **IIITD CULTURAL COMMITTEE** **DATABASE**

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- **Work In Progress Doc:**

- [https://docs.google.com/document/d/1WnDniLAu1QcTHe304\\_dgf-sGGreJw9h9eUKwKpFGi00/edit?usp=sharing](https://docs.google.com/document/d/1WnDniLAu1QcTHe304_dgf-sGGreJw9h9eUKwKpFGi00/edit?usp=sharing)

- **Meeting Link:**

- <https://meet.google.com/dnq-ygho-ggh>
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### **Concept:**

- IIITD being one of the most prestigious colleges academically, is also rich in its cultural side. The college organises a variety of cultural events and festivities for the students as well as the faculty during the year. For this, students from all years and branches come together to form a committee to be able to organise these events and fests and make sure they run smoothly without any ambiguities. This project is to create a database application to store and manage all the data about the cultural committee and the events organised by them and the data about various clubs at IIITD and their events.

### **Stakeholders:**

- Cultural Committee members -
  - These Members are the core members of the committee and are responsible for organizing the events as how many events have to be done in a year and how all they are managed, who will be invited as a chief guest, and how much people are needed to organize an event.
  - They are divided into groups and each group handles different aspects of the committee, like convener, sponsorship head, even heads etc.
  - They will have access to all the data in the database about all the events, members, participants, guests, timings of the events, and every other technicalities.

- Clubs coordinators
  - Clubs organise their specific events, Different clubs have different events which their coordinators organise.
  - They require data about all the participants in their events, the members in the clubs that will act as volunteers, data about their event's timings and date. Clubs are a key body for any event.
  - They are the intermediary between the cultural committee and the Organising teams. They have access to all their domain related events. After all, an event poster always goes with the logo of the student club
- Volunteers-
  - Volunteers are specific to their own particular events, a volunteer of one event will have access to all the data about their particular event and everything regarding it.
- OT -
  - OT (Organizing team) members are responsible for organizing their events, and work above the volunteers, they handle all the data about their volunteers in the events, their particulars, and the data regarding the events they are organizing.
- Participants/Attendees-
  - Participants are people from outside or inside the college, participating in their desired events. They would have access to the timeline of the events and all their dates, timings, and the venue of the events.
- Sponsors-
  - Any investor wants to know how his money is being utilised. So a sponsor can have limited access to the database to know about the footfall, reach, publicity, stalls put up, revenue generated or may be how the investment is channelised.
- College Administration-
  - Cultural events are important but not at the cost of academics. Academic department needs to know the exact schedule of the events to adjust the academic calendar accordingly.
  - The administration would like to know the exact location and timings of the events to manage campus buildings and make them available for the events.
  - Administration might want to invite speakers to the campus as well.
  - We all know that cultural events have become a reason of pride for colleges today. Infact cultural events play an important role in attracting students today apart from academics.
  - Colleges are known by their fests. So administration might wish to analyse the success of variant events in terms of footfall, participation and reach so that they can provide better assistance to the students to make events bigger and better.
  - the college administration will have the entire database of the committee, all the core members of the committee, their particulars, all the events, their timings, all the members, guests, participants etc. They will have access to the complete database.

# Entities:

- Fest
  - Attributes
    - Fest Name (primary key)
    - Start Date
    - End Date
    - Venue
    - Description
    - Main Sponsor
    - No of Attendees
    - No of Participants
  - Usage
    - It will contain the list of all the events that will take place throughout the fest. This serves as the go-to entity for anyone who wants to look at all the exciting things taking place.
    - Used by **everyone**.
- Cultural committee members
  - Attributes
    - Name
    - Email (primary key)
    - Branch
    - Role
- Events
  - Attributes
    - Event name (primary key)
    - Club organising the event
    - Event head
    - Volunteers
    - Date of the event
    - Timing of the event
    - Venue of the event
    - Sponsors
    - Revenue Raised
    - Winners
      - First
      - Second
- Organising Team
  - Attributes
    - Name
    - Event Incharge

- Email (primary key)
  - Role
- Usage
  - This will help the cultural committee members to contact the team leads for all events to get their progress.
  - Used by the Cultural Committee, mentors.
- Volunteers (Event Team)
  - Attributes
    - Name
    - Event
    - Email (primary key)
    - Event Lead
  - Usage
    - This is for the team leads to supervise their event team and assign various tasks.
    - Used by OT, mentors.
- Attendees(This table will be used at gate and by each event)
  - Attributes
    - Name
    - Mobile number (primary key)
    - Attendance (Yes/No)
    - Institute Name
- Participants (This table will be used at gate and by each event)
  - Attributes
    - Name
    - Event Name
    - Mobile number (primary key)
    - Attendance (Yes/No)
    - Institute Name
  - Usage
    - This is maintained to organise all the information related to participants ranging from their contact details to their participation.
    - Used by the OT, volunteers (of the event for which participants have enrolled).
- Sponsors
  - Attributes
    - Name (primary key)
    - Organization
    - Event
    - Email
    - Mobile No.

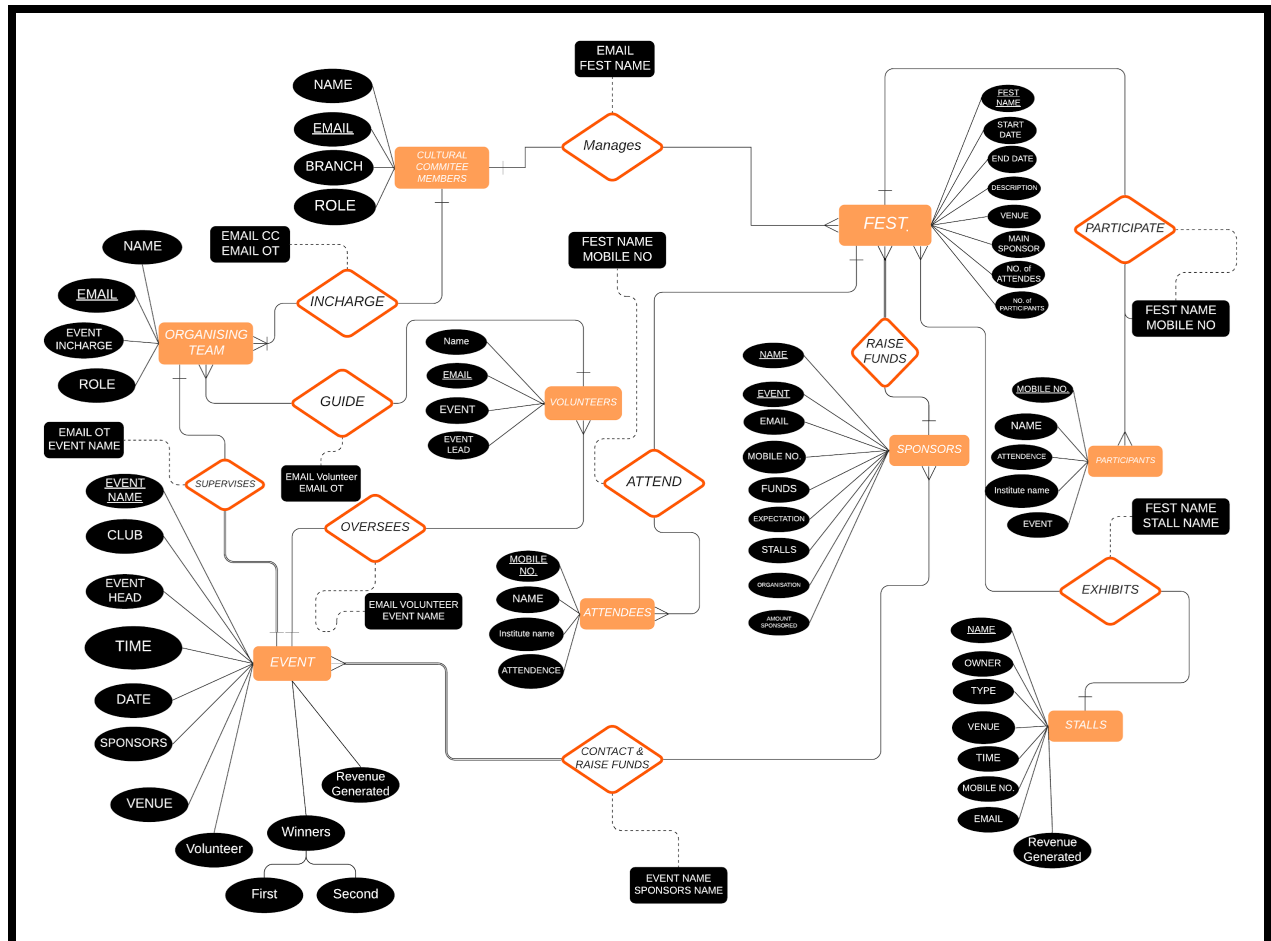
- Funds Raised
  - Expectations (of sponsors)
  - Stalls (Yes/No)
- Usage
  - This is used by the cultural committee and event leads to maintain all sponsor related information. This is to keep a note of funds received and deliver goods as per sponsors' wish.
  - Used by the Cultural Committee, mentors, College Administration, OT, volunteers (related to Sponsoring)
- Stalls
  - Attributes
    - Name (primary key)
    - Owner
    - Stall type
    - Date
    - Venue
    - Time
    - Contact Details
    - Revenue Raised
  - Usage
    - Contains all stall related information. It is vital to manage the campus space efficiently and inform the visitors about the same.
    - Used by the Cultural Committee, mentors.

## Relationships:

- The cultural committee will be the incharge of all the events and decide the whole timeline of all the events and their venues and other technicalities
  - The clubs will organise their particular events and the OT members will be the incharge of their events and will guide the volunteers on how to function
  - The volunteers will keep all the data about participants and will notify them about the event details and will help them during the event with any queries.
  - The participants will attend and participate in their particular events
  - Event heads will contact agencies for potential sponsorships for their events.
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## ➡ Deadline 2:

### → ER Diagram

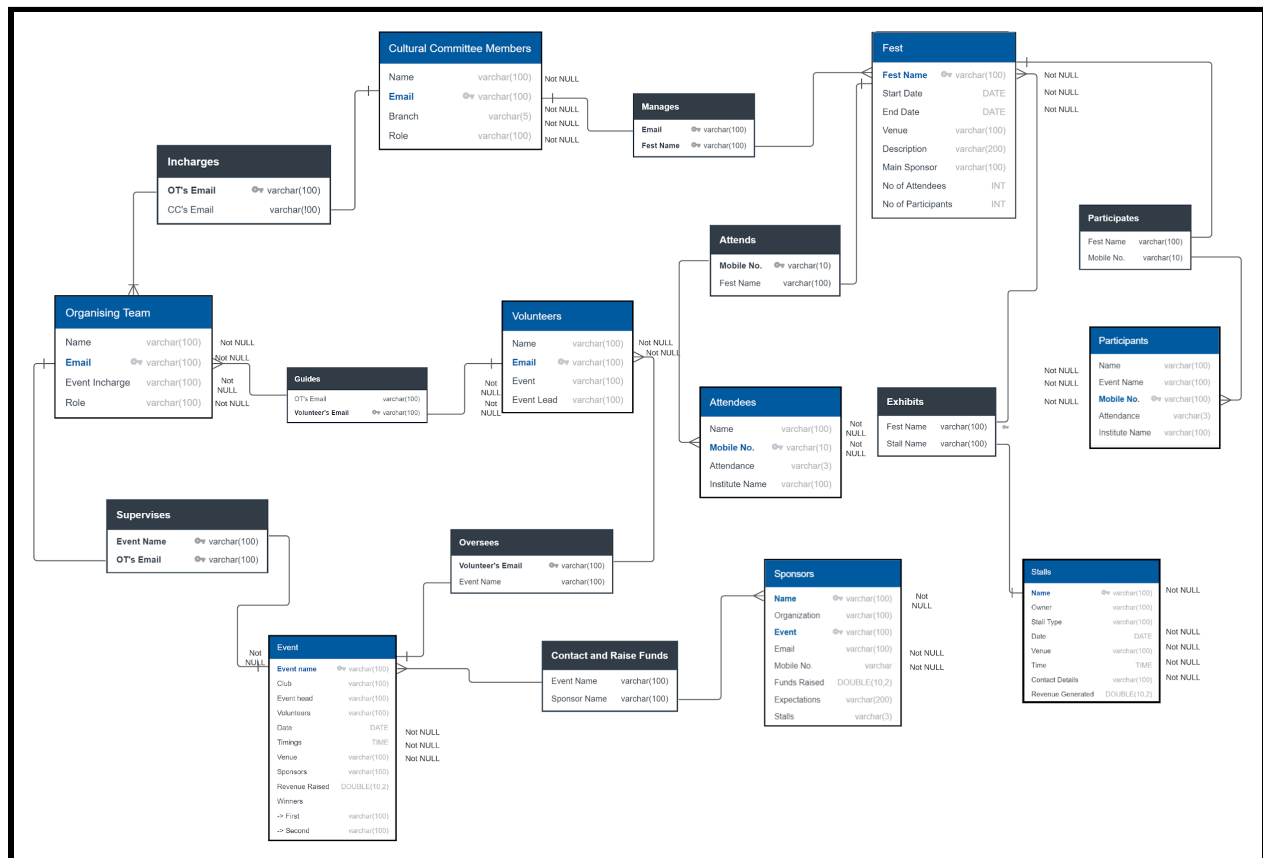


- Drive Link:

<https://drive.google.com/file/d/1jNJ2rbNUpXknxQwtItMuNCIsj-tdLcFj/view?usp=sharing>

## Schema:

### → Logical View/ Schema



The relationship tables with primary key attributes are essentially not null.

- Drive Link:  
<https://drive.google.com/file/d/1jMqEjq3wICpN6mOUk17Kbbcx90R3bZr/view?usp=sharing>

### → Constraints

#### → Primary and Foreign keys

##### ◆ Entity

- Cultural committee members-
  - Primary key:

- ◆ Email
  - Foreign Key
    - ◆ Email
      - For entities
        - Fest
        - Organising Team
- Fest
  - Primary Key:
    - ◆ Fest Name
  - Foreign Key
    - ◆ Fest Name
      - For entities
        - Cultural Committee Members
        - Participants
        - Attendees
        - Stalls
- Organising Team
  - Primary Key:
    - ◆ Email
  - Foreign Key
    - ◆ Email
      - For entities
        - Event
        - Volunteers
        - Cultural Committee members
- Volunteers
  - Primary key
    - ◆ Email
  - Foreign Key
    - ◆ Email
      - For entities
        - Cultural committee members
        - Volunteers
        - Event
- Event
  - Primary Key
    - ◆ Event Name
  - Foreign Key
    - ◆ Event Name
      - For entities



- Organising Team
- Volunteers
- Sponsors

- Attendees
  - Primary Key
    - ◆ Mobile No.
  - Foreign Key
    - ◆ For entities
      - Fest
- Participants
  - Primary Key
    - ◆ Mobile No.
  - Foreign Key
    - ◆ For entities
      - Fest
- Sponsors
  - Primary Key
    - ◆ Sponsor Name
  - Candidate Key
    - ◆ Event Name
  - Foreign key
    - ◆ For entities
      - Event
- Stalls
  - Primary Key
    - ◆ Name
  - Foreign Key
    - ◆ For entities
      - Fest

→ Rest of the constraints have been marked in the logical view table itself.

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## → **Database Access Permissions**

- ◆ Entity
  - Cultural committee members-
    - Only Cultural Committee members are allowed to read/write (insert, delete, update, alter) into this entity.
    - Participants and attendees will have no access to this entity.





- Rest of the stakeholders can only read (select) from this entity.
- Fest
  - Only the Cultural Committee and College Administration are allowed to read/write (insert, delete, update, alter) into this entity.
  - Rest all the stakeholders can only read( select) from this entity
- Organising Team
  - Only the Cultural Committee and mentors are allowed to read/write (insert, delete, update, alter) into this entity.
  - Participants and attendees will have no access to this entity.
  - Rest of the stakeholders can only read (select) from this entity.  
Only those sponsors who have sponsored the event which OT is heading can access this entity.
- Volunteers
  - Cultural Committee members and Organising Team are allowed to read/write (insert, delete, update, alter) into this entity.
  - Participants and attendees will have no access to this entity.
  - Rest of the stakeholders can only read (select) from this entity.  
Only those sponsors who have sponsored the event which OT is heading can access this entity.
- Event
  - Cultural Committee members, respective clubs and Organising Team are allowed to read/write (insert, delete, update, alter) into this entity.
  - Volunteers, respective sponsors, college admins and mentors have read-only(select queries) type access to the whole of the entity.
  - Rest of the stakeholders have very limited or no access.
- Attendees
  - Cultural Committee members, certain Organising Team and volunteers ( like that of operations) will have read/write(insert, delete, update, alter) access.
  - Rest of the stakeholders will have no access to this entity.
- Participants

- Cultural Committee members, Organising Team and volunteers, club coordinators of the same event will have read/write(insert, delete, update, alter) access.
  - Rest of OT, volunteers, club coordinators, mentors, have read-only access.
  - Related Sponsors, college authorities can have limited access
  - Rest of sponsors, participants and attendees have no access.
- Sponsors
    - Cultural Committee members, Organising Team, volunteers (sponsorship and OT/volunteers of event sponsor funded in) will have read/write(insert, delete, update, alter) access.
    - Sponsors, mentors, college admins will have read only access.
    - Participants, attendees will have no access.
- Stalls
    - Cultural Committee members, Organising Team, volunteers(dealing with stalls) will have read/write(insert, delete, update, alter) access.
    - Rest of stakeholders will have 0 access to the entity.

→ **Few table Samples -**

Result Grid   Filter Rows: <input type="text"/> Edit: 				
	name	mobile	institute	attendance
▶	Ela Joshi	+910000220550	MSIT	yes
	Jivin Kar	+910008673091	DU	no
	Riaan Srivastava	+910104755011	MSIT	no
	Kiaan Sethi	+910356832693	DU	no
	Nehmat Salvi	+910548366250	IITD	no
	Dhruv Arora	+910599407246	DTU	no
	Bhamini Bala	+911119970100	NIT D	yes
	Hunar Bansal	+911264797496	NIT D	yes
	Zara Rama	+911580567958	DU	yes
	Aradhya Varkey	+912456565562	NIT D	yes
	Jivika Subraman...	+913010274971	DTU	yes
	Renee Upadhyay	+913776938510	DTU	yes
	Ehsaan Dugar	+913884883369	IGDTUW	yes
	Badal Joshi	+913950737827	MSIT	yes
	Rasha Chopra	+914055659457	NSUT	no
	Gokul Bhatt	+914240915232	DTU	no
	Diya Buch	+914413253144	DTU	yes
	Ayesha Mane	+914494545616	IITD	no
	Nakul Ramaswamy	+914551011947	IGDTUW	yes
	Tara Balakrishnan	+915090270630	NSUT	no
	Rohan Sonman	+915425844530	IITD	yes

attendees 1 x

Result Grid   Filter Rows: <input type="text"/> Edit:    Exp					
	name	event	mobile	institute	attendance
▶	Nakul Gole	Acapellujah	+910005270493	MSIT	no
	Arhaan Dhar	Acapellujah	+910225191469	DTU	no
	Faiyaz Kari	Street Dance	+910265431603	MAIT	no
	Riya Madan	Befkr	+910342087673	NIT D	no
	Arhaan Goyal	Hasratein	+910348439481	MAIT	no
	Taran Wason	Befkr	+910511854277	MSIT	yes
	Lakshit Buch	Unmute	+910811138210	NSUT	yes
	Himmat Shanker	Hasratein	+910839851696	MAIT	yes
	Damini Dutta	Mudra	+911042475786	MSIT	yes
	Hrishita Madan	Street Dance	+911067634485	IGDTUW	yes
	Trisha Ganesh	Can You Duet	+911269859836	MAIT	no
	Prerak Deep	Mudra	+911278607343	MSIT	no
	Charvi Dua	Battle Troupe	+911487630182	DTU	no
	Chirag Karan	Unmute	+911789552786	MAIT	yes
	Shamik Kunda	Street Dance	+911935169624	IITD	yes
	Onkar Khalsa	Thematic	+912005276714	IITD	no
	Adah Bhattach...	Befkr	+912382023738	NIT D	no
	Rania Chacko	Can You Duet	+912388625417	MAIT	no
	Ivana Mahal	Befkr	+912407951312	IITD	no
	Shray Gera	Battle Troupe	+912474531446	IITD	yes
	Lakshav Balas...	Ran Battle	+912477142771	MSIT	yes

participants 1 x

Note - Rest of the tables can be generated by code given in the submission. Here I am only attaching a few for sample purposes.

Run the file named - *DataBaseConnection\_Again.py* & make sure to have all the .py files in the same directory.