

DataBase Systems Lab Project

(CSE Section C)

Team

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This paper proposes designing a database system for college clubs that will allow them to publish their information, category, registration links, and latest events. The database system will help freshers easily access important information and stay updated on the latest events in their college.

Highlights

- The database will be a central repository for all the clubs
- Allowing freshers to find and join the clubs of their choice effortlessly
- The system will provide a user-friendly interface
- Aims to solve the problem of important information getting lost

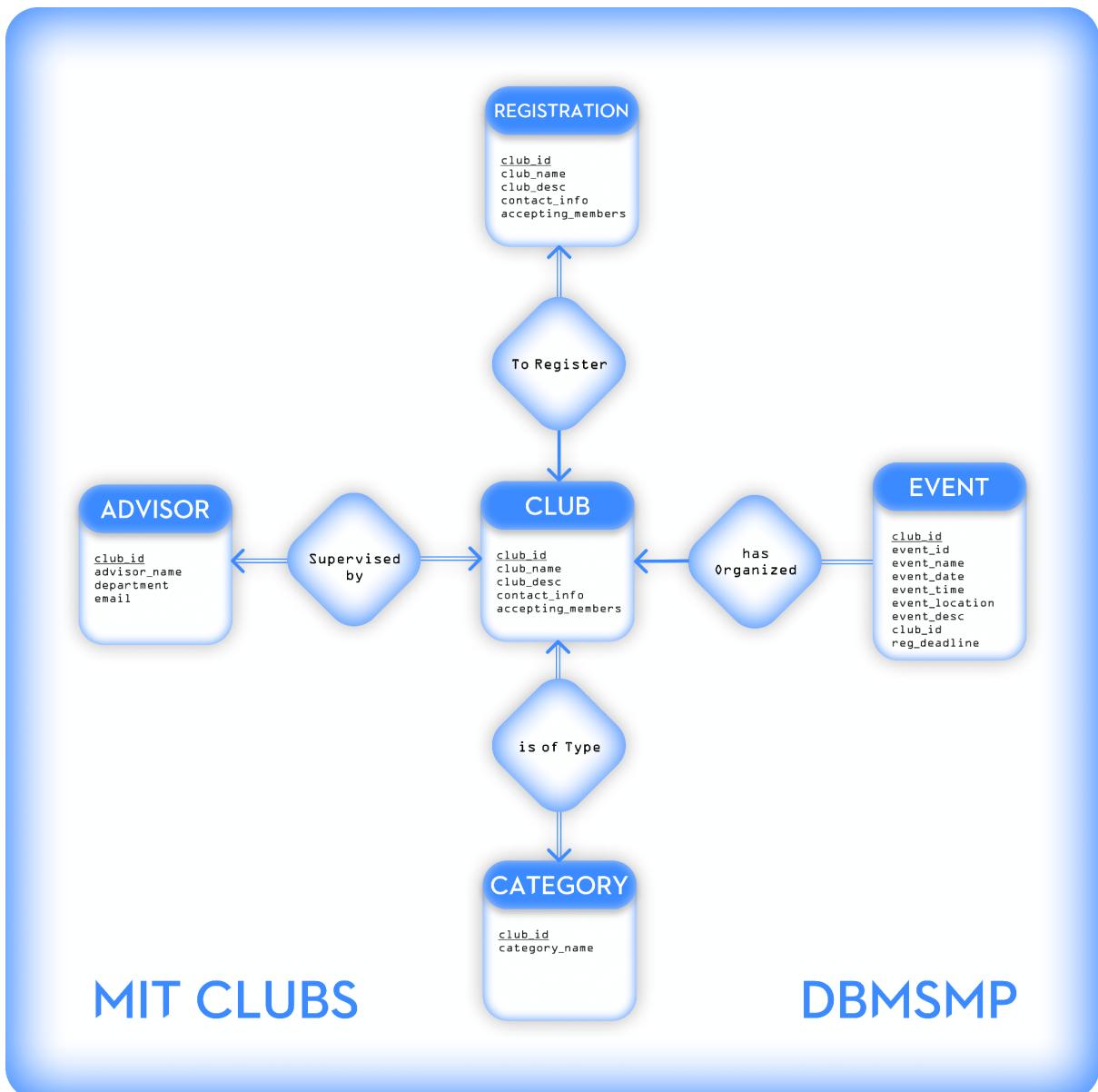
The proposed database system for college clubs will be a game changer for freshers, providing them with easy access to important information about college clubs and events. By using this system, freshers can easily explore the different clubs and events happening in their college, making their college experience more enjoyable and rewarding.

Problem Statement

Important club information often gets lost in the sea of college communication channels, making it difficult for freshers to find and join the clubs of their choice. To address this problem, we propose the design of a database system that serves as a centralised repository for all college clubs' information, categories, registration links, and latest events. Our database system is a one-stop-solution for all club details, registration links, and events. With a sleek and user-friendly interface, freshers can effortlessly discover and join their preferred clubs, ensuring a truly enriching college experience. We will revolutionise the club landscape, paving the way for an exciting and organised campus life!

Entity Relationship Diagram

Our ER diagram displays the system's key components and their relationships, offering a clear overview of the database structure.



The Schema

The Schema

```
CREATE TABLE Club (
    club_id SERIAL PRIMARY KEY,
    club_name VARCHAR(255),
    club_desc TEXT,
    contact_info VARCHAR(255),
    accepting_members BOOLEAN
);

CREATE TABLE Category (
    category_id SERIAL PRIMARY KEY,
    category_name VARCHAR(255),
    club_id INT,
    FOREIGN KEY (club_id) REFERENCES Club(club_id)
);

CREATE TABLE Advisor (
    advisor_id SERIAL PRIMARY KEY,
    advisor_name VARCHAR(255),
    department VARCHAR(255),
    email VARCHAR(255),
    club_id INT,
    FOREIGN KEY (club_id) REFERENCES Club(club_id)
);

CREATE TABLE Event (
    event_id SERIAL PRIMARY KEY,
    event_name VARCHAR(255),
    event_date DATE,
    event_time TIME,
    event_location VARCHAR(255),
    event_desc TEXT,
    club_id INT,
    registration_deadline DATE,
    FOREIGN KEY (club_id) REFERENCES Club(club_id)
);

CREATE TABLE Registration (
    registration_id SERIAL PRIMARY KEY,
    club_id INT,
    registration_link VARCHAR(255),
    FOREIGN KEY (club_id) REFERENCES Club(club_id)
);
```

The SQL Insertions and Queries

```
SQL

INSERT INTO Club (club_name, club_desc, contact_info, accepting_members) VALUES
('ACM Manipal Student Chapter', 'Join the ACM Manipal Student Chapter and explore the world of computer science and technology!', '9852845690', true),
('ACM-W Manipal Student Chapter', 'Empowering women in tech: Join the ACM-W Manipal Student Chapter today!', '9376508214', false),
('AIESEC in MAHE', 'Unlock a world of opportunities and gain valuable experience with AIESEC in MAHE.', '9267584379', true),
('American Society of Civil Engineers Manipal Chapter', 'Be a part of the American Society of Civil Engineers Manipal Chapter and contribute to the development of sustainable infrastructure.', '9642053891', true),
('Apple Developer's Group', 'Discover the power of iOS development and join the Apple Developer's Group now!', '9937419501', false),
('American Society Of Mechanical Engineers, Manipal Chapter', 'Join the American Society Of Mechanical Engineers, Manipal Chapter and explore the world of mechanical engineering!', '9906287435', true),
('Biomedical Engineering Society of India, Manipal Chapter', 'Contribute to the growth of biomedical engineering and make a difference with the Biomedical Engineering Society of India, Manipal Chapter.', '9715462800', true),
('Developer Student Clubs', 'Take your coding skills to the next level and join the Developer Student Clubs today!', '9052468731', false),
('Economics and Finance Society Of Manipal', 'Join the Economics and Finance Society Of Manipal and gain valuable insights into the world of finance and economics!', '9014562890', true),
('IAESTE, LC Manipal', 'Expand your horizons and gain valuable international experience with IAESTE, LC Manipal.', '9657412380', false),
('IE Aerospace Students' Chapter', 'Become a part of the future of aerospace engineering with the IE Aerospace Students' Chapter.', '9085631742', true),
('IEBT (Institute Of Engineers -Biotechnology, Manipal Chapter)', 'Join the IEBT (Institute Of Engineers -Biotechnology, Manipal Chapter) and be a part of the exciting world of biotechnology!', '9976852301', false),
('I.E. CIVIL', 'Join I.E. CIVIL and contribute to the development of sustainable civil infrastructure!', '9768953214', true),
('IECSE', 'Join IECSE and explore the world of computer science and technology!', '9352104678', false),
('IE-E&E Students'' Chapter Manipal', 'Join the IE-E&E Students'' Chapter Manipal and explore the world of electrical and electronics engineering!', '9254678310', true),
('IE-E&C The Manipal Chapter', 'Join IE-E&C The Manipal Chapter and be a part of the exciting world of electronics and communication engineering!', '9031548672', true),
('IEEE Student Branch Manipal', 'Join the IEEE Student Branch Manipal and explore the world of electrical and electronics engineering!', '9546203871', false),
('IE Mechanical Students Chapter Manipal', 'Join the IE Mechanical Students Chapter Manipal and be a part of the exciting world of mechanical engineering!', '9753826419', true),
('IE Mechatronics Students Chapter, Manipal', 'Join the IE Mechatronics Students Chapter, Manipal and explore the exciting world of mechatronics!', '9254638172', false);
```



SQL

```
INSERT INTO Club (club_name, club_desc, contact_info, accepting_members)
VALUES
    ('Indian Institute of Chemical Engineers', 'Join us to learn and explore the world of Chemical Engineering.', '8765432109', true),
    ('International Organization of Software Developers -Manipal', 'Join us to build the future of software development together.', '7890123456', false),
    ('International Society of Automation (ISA), Manipal Institute of Technology Student Section', 'Join us to learn about the exciting field of Automation and Robotics.', '8123456789', true),
    ('Indian Society for Technical Education Student''s Chapter', 'Join us to enhance your technical skills and knowledge.', '8234567890', false),
    ('LAKSHYA', 'Join us to unleash your entrepreneurial potential and take the first step towards success.', '9012345678', true),
    ('Linux Users' Group, Manipal', 'Join us to learn about Linux and other open-source technologies.', '8901234567', true),
    ('Manipal Information Security Team', 'Join us to learn about information security and cyber defense.', '7890123456', true),
    ('MIT Gaming Club', 'Join us to have fun and connect with fellow gaming enthusiasts.', '9012345678', false),
    ('Regex', 'Join us to learn about Regular Expressions and how they are used in various applications.', '8234567890', true),
    ('Student Entrepreneurship Cell', 'Join us to learn about entrepreneurship and how to turn your ideas into successful businesses.', '8123456789', false),
    ('Society of Automotive Engineers - Manipal, India', 'Join us to learn about Automotive Engineering and work on exciting projects.', '8765432109', true),
    ('Teach Code for Good', 'Join us to teach coding to underprivileged children and make a difference in their lives.', '7890123456', false),
    ('The ASTRONOMY Club', 'Join us to explore the mysteries of the universe and learn about astronomy.', '9012345678', true),
    ('Open Source Technology Forum', 'Join us to learn about open-source technologies and how they are changing the world.', '8901234567', false),
    ('Manipal Open Source Society', 'Join us to collaborate on open-source projects and contribute to the community.', '8123456789', true),
    ('Learn in Manipal', 'Join us to learn new skills and connect with like-minded individuals in Manipal.', '7890123456', false),
    ('Bioverse', 'Join us to learn about biology and how it impacts our world.', '8765432109', true),
    ('Enactus', 'Join us to create positive social impact through entrepreneurial action.', '9012345678', false),
    ('IEEE EMBS', 'Join us to learn about the exciting field of Biomedical Engineering and its applications.', '8234567890', true),
    ('Research Society MIT', 'Join us to conduct and publish research in various fields of science and technology.', '8123456789', false);
```



SQL

```
INSERT INTO Club (club_name, club_desc, contact_info, accepting_members)
VALUES
('Aaina Dramatics', 'A club that organizes and performs theatrical productions', '9887876523', false),
('Ada Dramatics', 'A club that promotes and performs dramatic arts', '9887064532', true),
('The Adventurer', 'A club that organizes adventure activities and trips for students', '9845182390', false),
('Artpod', 'A club that encourages and facilitates art and creative expression', '9902156374', true),
('Blank 101', 'A club that provides a platform for creative writing and expression', '9865230125', false),
('Behind the Scenes', 'A club that works behind the scenes in theatre and film productions', '9902456137', true),
('Blitzkrieg Dance Crew India', 'A club that performs and promotes various dance styles', '9876045321', false),
('Chords And Co.', 'A club that provides a platform for musicians to come together and perform', '9887043562', true),
('CurioCity', 'A club that promotes and facilitates scientific and technological innovation', '9886332017', false),
('Ecological Conservation & Habitat Restoration Organisation', 'A club that works towards ecological conservation and habitat restoration', '9900134587', true),
('EK SANGHARSH', 'A club that works towards social and economic empowerment', '9887456213', false),
('Evolve', 'A club that focuses on personal and professional development', '9900421538', true),
('Glam & Glitz', 'A club that promotes and facilitates fashion and beauty-related activities', '9845872391', false),
('Goonj', 'A club that focuses on cultural and literary activities', '9902468705', true),
('Human Powered Endeavours', 'A club that promotes and facilitates sustainable transportation and human-powered mobility', '9887890123', false),
('LDQ', 'A club that provides a platform for quiz enthusiasts to come together and participate in quizzes', '9845003276', true),
('Leaders of Tomorrow', 'A club that focuses on leadership and entrepreneurship development', '9900472586', false),
('Manga and Anime Club', 'A club that focuses on Japanese animation and comics', '9887251634', true),
('MIT Live', 'A club that focuses on event management and live production', '9902418752', false),
('Mudra', 'A club that promotes and facilitates dance and choreography', '9845123674', true),
('Music And Fine Arts Club (M.A.F.I.A.)', 'A club for those interested in music and various forms of art', '7972549381', false),
('Naqaab Filmmaking', 'A club for those interested in filmmaking and related activities', '9837102456', true),
('Nudi', 'A club for those interested in Kannada literature and culture', '8723049581', true),
('The Psych Club, Manipal', 'A club for those interested in psychology and related topics', '9046812345', false),
('RedX', 'A club for those interested in adventure sports and outdoor activities', '9732056481', true),
('Rotaract Club of Manipal', 'A service club affiliated with Rotary International', '9021458763', false),
('Showstoppers', 'A club for those interested in performing arts and related activities', '8163947052', true),
('The Photography Club Manipal', 'A club for those interested in photography and related topics', '7492135680', true),
('The Think Tank', 'A club for those interested in discussing and brainstorming on various topics', '8194567320', false),
('Yes!+ Club, Manipal', 'A club for those interested in yoga and related practices', '9163057842', true),
('180 Degree Consulting', 'A consulting club aimed at helping social impact organizations', '8932164570', false),
('BURNING ICE', 'A club for those interested in debating and public speaking', '7845012398', true);
```

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SQL

```
INSERT INTO Category (category_name, club_id) VALUES
('Technical', 1),
('Technical', 2),
('Technical', 3),
('Technical', 4),
('Technical', 5),
('Technical', 6),
('Technical', 7),
('Technical', 8),
('Technical', 9),
('Technical', 10),
('Technical', 11),
('Technical', 12),
('Technical', 13),
('Technical', 14),
('Technical', 15),
('Technical', 16),
('Technical', 17),
('Technical', 18),
('Technical', 19),
('Technical', 20),
('Technical', 21),
('Technical', 22),
('Technical', 23),
('Technical', 24),
('Technical', 25),
('Technical', 26),
('Technical', 27),
('Technical', 28),
('Technical', 29),
('Technical', 30),
('Technical', 31),
('Technical', 32),
('Technical', 33),
```

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SQL

```
('Technical', 34),
('Technical', 35),
('Technical', 36),
('Technical', 37),
('Technical', 38),
('Technical', 39),
('Cultural', 40),
('Cultural', 41),
('Cultural', 42),
('Cultural', 43),
('Cultural', 44),
('Cultural', 45),
('Cultural', 46),
('Cultural', 47),
('Cultural', 48),
('Cultural', 49),
('Cultural', 50),
('Cultural', 51),
('Cultural', 52),
('Cultural', 53),
('Cultural', 54),
('Cultural', 55),
('Cultural', 56),
('Cultural', 57),
('Cultural', 58),
('Cultural', 59),
('Cultural', 60),
('Cultural', 61),
('Cultural', 62),
('Cultural', 63),
('Cultural', 64),
('Cultural', 65),
('Cultural', 66),
('Cultural', 67),
('Cultural', 68),
('Cultural', 69),
('Cultural', 70),
('Cultural', 71);
```

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SQL

```
INSERT INTO Registration (club_id, registration_link)
SELECT club_id, 'https://forms.gle/Wik6ZxqxpF3D4XRf7' AS registration_link
FROM Club
WHERE accepting_members = true;
```

SQL

```
INSERT INTO Advisor (advisor_name, department, email, club_id)
VALUES
('Dr. Shrikant Prabhu', 'CSE', 'srikanth.prabhu@manipal.edu', 1),
('Dr. Shrikant Prabhu', 'CSE', 'srikanth.prabhu@manipal.edu', 2),
('Dr Karunakar Kotegar', 'Data Science and Computer Applications', 'karunakar.ak@manipal.edu',
3),
('Lt. Poomachandra Pandit', 'Civil', 'pc.pandit@manipal.edu', 4),
('Dr Arun Shanbhag', 'Innovation Center, MAHE', 'arunshanbhag@gmail.com', 5),
('Dr. Rajesh Nayak, SW', 'MME', 'nayak.raj@manipal.edu', 6),
('Lawrence D. Almeida', 'BioMed', 'ld.almeida@manipal.edu', 7),
('Chethan Sharma', 'ICT', 'chethan.sharma@manipal.edu', 8),
('Dr. B Gopalkrishna', 'Humanities & Mgmt', 'gopalkrishna.b@manipal.edu', 9),
('Dr. Karunakar A Kotegar', 'Data Science and Computer Applications',
'karunakar.ak@rnanipal.edu', 10),
('Yogeesha Pai', 'Aero & Auto', 'yogish.pai@manipal.edu', 11),
('Dr. Subbalaxmi S', 'Biotechnology', 'subbalaxmi.s@manipaledu', 12),
('Arun Kumar Y. M.', 'Civil', 'kumar.arun@gmail.com', 13),
('Giridhar N S', 'CSE', 'giri.shakarad@manipal.edu', 14),
('Lakshman Rao S. Paragond', 'EEE', 'laxman.sp@manipal.edu', 15),
('Dr. Ananthakrishna T', 'ECE', 'anantha.kt@manipal.edu', 16),
('Dr. Pallavi R Mane', 'ECE', 'palvi.mane@manipal.edu', 17),
('Dr. Krishna Murthy', 'ME', 'krishna.murthy@manipal.edu', 18),
('Ishwar Bhiradi', 'Mechatronics', 'ishwar.bhiradi@manipal.edu', 19),
('Dr. Gautham Jeppu', 'Chemical', 'gautham.jeppu@manipal.edu', 20),
('Roshan David Jathanna', 'CSE', 'roshan.jathanna@manipal.edu', 21),
('D.A.P. Prabhakar', 'Mechatronics', 'pavan.prabhakar@manipal.edu', 22),
('Suhas M V', 'ECE', 'suhas.mv@manipal.edu', 23),
('Dr. Hareesha KS', 'Data Science and Computer Applications', 'hareesh.ks@manipal.edu', 24),
('Ashwath Rao', 'CSE', 'ashwath.rao@manipal.edu', 25),
('Dr. Raghavendra Ganiga', 'ICT', 'raghavendra.n@manipal.edu', 26),
('Ganesh Babu C', 'CSE', 'ganeshbabu.c@manipal.edu', 27),
('Dr. Chandrakala CB', 'ICT', 'chandrakala.cb@manipal.edu', 28),
('Dr. Santhosha Rao', 'ICT', 'santhosha.rao@manipal.edu', 29),
('Padmaraj N H', 'Aero & Auto', 'Padmaraj.nh@manipal.edu', 30),
('Chethan Sharma', 'ICT', 'chethan.sharma@manipal.edu', 31),
('Dr. Pramoda Kumara Shetty', 'Physics', 'pramod.shetty@manipal.edu', 32),
('Shameem S', 'Data Science and Computer Applications', 'ss.shameem@manipal.edu', 33),
('Manamohana K', 'CSE', 'sri.manmohan@manipal.edu', 34),
('Dr Poornima P Kundapur', 'Data Science and Computer Applications',
'poornima.girish@manipal.edu', 35),
('Dr Divyashree M S', 'Biotechnology', 'divyashree.ms@manipal.edu', 36),
('Dr Arun Kumar', 'CSE', 'arun.k@manipal.edu', 37),
('Dr Nandish S', 'SOIS', 'nandish.s@manipal.edu', 38),
('Dr Muddu Madakyaru', 'Chemical Engineering', 'muddu.m@manipal.edu', 39);
```



SQL

```
INSERT INTO Advisor (advisor_name, department, email, club_id) VALUES
('D A P Prabhakar', 'Mechatronics', 'pavan.prabhakar@manipal.edu', 40),
('Pavan Hiremath', 'Mechanical and Manufacturing Engineering', 'pavan.hiremath@manipal.edu',
41),
('Ganesh Nayak', 'ICE', 'nayak.ganesh@manipal.edu', 42),
('Sharal T Correa', 'Humanities & Mgmt', 'sharal.correa@manipal.edu', 43),
('Adithi Shastry', 'Humanities & Mgmt', 'adithi.shastry@manipal.edu', 44),
('Devicharan', 'Media Tech', 'diwakar.gs@manipal.edu', 45),
('Akshaj MJ', 'CSE', 'Akshay.mj@manipal.edu', 46),
('Vishnu Sharma A', 'Civil', 'sharma.atikukke@manipal.edu', 47),
('Dr. Alapati Vittaleshwar', 'Humanities & Mgmt', 'vittal.alapati@manipal.edu', 48),
('Sandeep GS', 'Civil', 'sandeep.gs@manipal.edu', 49),
('Dr. Anoop Kishore', 'Chemical', 'anoop.vatti@manipal.edu', 50),
('Nausha Shetty', 'Civil', 'nausha.shetty@manipal.edu', 51),
('Priya Kamath', 'CSE', 'priya.kamath@manipal.edu', 52),
('Dr. Fasiulla', 'Chemistry', 'fasi.khan@manipal.edu', 53),
('Dr. Gurumurthy S C', 'physics', 'gurumurthy.sc@manipal.edu', 54),
('Dr. Sriprasad Acharya', 'Chemical', 'sriprasad.acharya@manipal.edu', 55),
('Dr. Raviprakash Y', 'Physics', 'raviprakash.y@manipal.edu', 56),
('Dr. Amrutharaj H. Krishnan', 'Media Tech', 'amrutharaj.hk@manipal.edu', 57),
('Giridhar Kamath', 'Humanities & Mgmt', 'giridhar.kamath@manipal.edu', 58),
('Mahesha MG', 'Physics', 'mahesha.mg@manipal.edu', 59),
('Dr. Rajendra B V', 'Physics', 'bv.rajendra@manipal.edu', 60),
('Nitesh Kumar', 'Media Tech', 'nithesh.kumar@manipal.edu', 61),
('Udayakumar K S', 'Civil', 'udayakumar.ks@manipal.edu', 62),
('Abhay Shetty', 'Humanities & Mgmt', 'abhay.shetty@manipal.edu', 63),
('Shyam Karanth', 'CSE', 'shyam.karanth@manipal.edu', 64),
('M Prasanna Kumar', 'Civil', 'prasanna.kumar@manipal.edu', 65),
('C. R. Srinivasan', 'ICE', 'cr.srinivasan@manipal.edu', 66),
('Vishal Shenoy P', 'ECE', 'shenoy.vishal@manipal.edu', 67),
('Aneesha Acharya K', 'ICE', 'ak.acharya@manipal.edu', 68),
('Dr. Mruthyunjaya H S', 'BioTech', 'mruthyu.hs@manipal.edu', 69),
('Dr V Ramachandra Murthy', 'Civil', 'murty.vytla@manipal.edu', 70),
('Nausha Shetty', 'Media Tech', 'nausha.shetty@manipal.edu', 71);
```

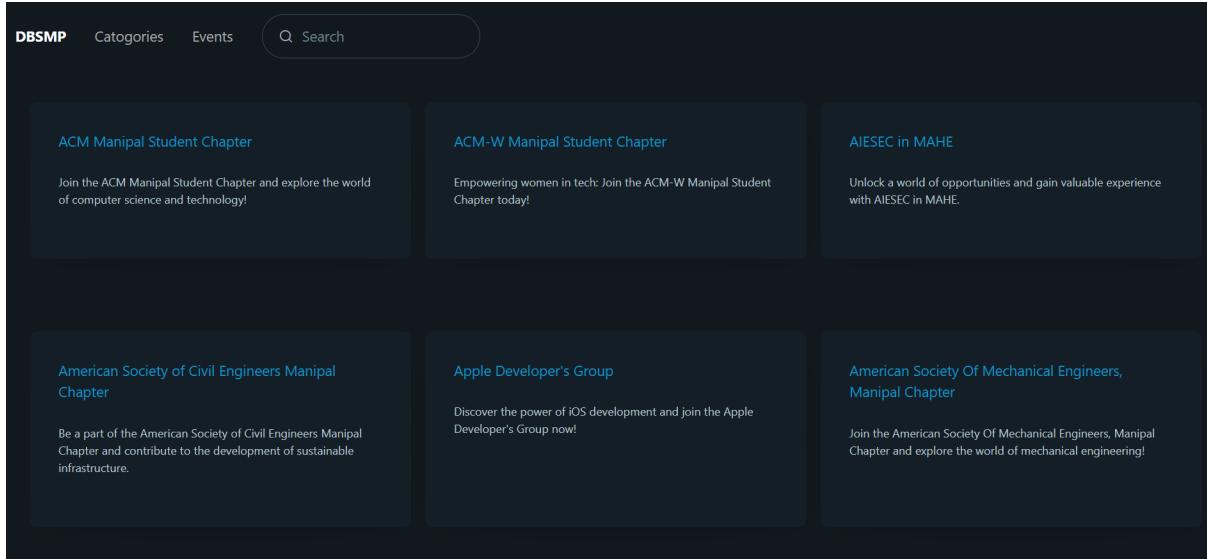


SQL

```
INSERT INTO Event (event_name, event_date, event_time, event_location, event_desc, club_id, registration_deadline) VALUES
('Tech Talk on Blockchain', '2023-05-05', '15:00:00', 'LHC 104', 'Join us for an informative session on Blockchain technology, its applications and impact on various industries.', 1, '2023-05-03'),
('Web Development Workshop', '2023-05-08', '10:00:00', 'AB5 102', 'Learn the basics of web development and create your own website from scratch.', 2, '2023-05-05'),
('Robotics Competition', '2023-05-12', '09:00:00', 'Innovation Center', 'Participate in this exciting robotics competition and showcase your skills.', 3, '2023-05-09'),
('Virtual Reality Seminar', '2023-05-15', '14:00:00', 'AB2 105', 'Experience the world of Virtual Reality and learn about its potential applications in various fields.', 4, '2023-05-12'),
('Coding Challenge', '2023-05-18', '11:00:00', 'LHC 301', 'Put your coding skills to the test with this coding challenge and compete against your peers.', 5, '2023-05-15'),
('Hackathon', '2023-05-22', '10:00:00', 'Innovation Center', 'Join us for this 24-hour hackathon and work in teams to develop innovative solutions to real-world problems.', 6, '2023-05-19'),
('Workshop on Ethical Hacking', '2023-05-25', '13:00:00', 'AB1 101', 'Learn about the various techniques used by hackers to exploit vulnerabilities and how to secure your systems against such attacks.', 7, '2023-05-22'),
('Folk Dance Competition', '2023-06-02', '17:00:00', 'MIT Quadrangle', 'Participate in this cultural event and showcase your talent in traditional folk dance forms.', 40, '2023-05-30'),
('Movie Screening and Discussion', '2023-06-05', '19:00:00', 'KC 201', 'Join us for a screening of a critically acclaimed movie followed by a discussion on its themes and relevance to current times.', 41, '2023-06-02'),
('Cultural Fest', '2023-06-09', '10:00:00', 'MIT Quadrangle', 'Join us for a day of cultural festivities including music, dance and food from various parts of the country.', 50, '2023-06-06'),
('Fashion Show', '2023-06-12', '16:00:00', 'KC Auditorium', 'Participate in this fashion show and showcase your unique style and creativity on the ramp.', 55, '2023-06-09');
```

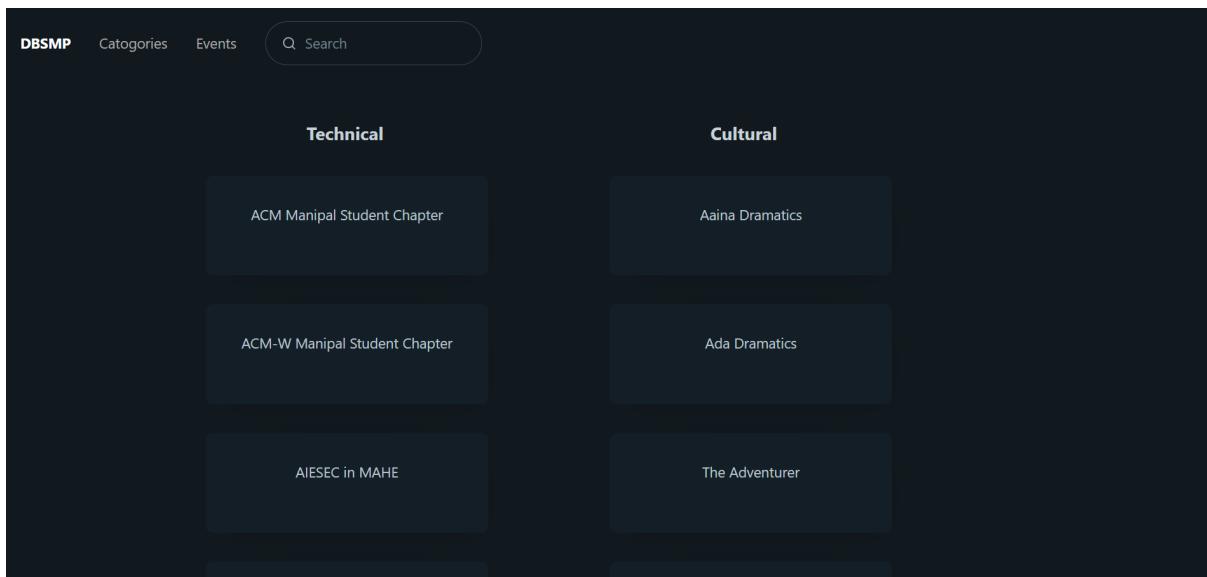
UI/UX

- Home Page



The screenshot shows the homepage of a website for DBSMP. At the top, there is a navigation bar with the logo "DBSMP", "Categories", "Events", and a search bar. Below the navigation bar, there are six cards arranged in two rows of three. The first card is for "ACM Manipal Student Chapter", which invites users to join and explore computer science and technology. The second card is for "ACM-W Manipal Student Chapter", focusing on empowering women in tech. The third card is for "AIESEC in MAHE", highlighting opportunities and experience. The fourth card is for "American Society of Civil Engineers Manipal Chapter", encouraging contributions to sustainable infrastructure. The fifth card is for "Apple Developer's Group", promoting iOS development. The sixth card is for "American Society Of Mechanical Engineers, Manipal Chapter", exploring mechanical engineering.

- Categories Page



The screenshot shows the categories page of the DBSMP website. The layout is similar to the home page, featuring a navigation bar at the top. Below the navigation bar, the page is divided into two main sections: "Technical" on the left and "Cultural" on the right. Under "Technical", there are three cards: "ACM Manipal Student Chapter", "ACM-W Manipal Student Chapter", and "AIESEC in MAHE". Under "Cultural", there are three cards: "Aaina Dramatics", "Ada Dramatics", and "The Adventurer". Each card provides a brief description of the organization.

- Events Page

The screenshot shows a dark-themed web application interface for managing events. At the top, there is a navigation bar with links for 'DBSMP', 'Categories', 'Events', and a search bar. Below the navigation, the title 'Live Events' is centered. Two event cards are displayed:

- Web Development Workshop**, 2023-05-08, 10:00:00, AB5 102
Registration Deadline: 2023-05-05
- Virtual Reality Seminar**, 2023-05-15, 14:00:00, AB2 105
Registration Deadline: 2023-05-12

- Modifying/Creating/Deleting Events

The screenshot shows the same dark-themed interface for modifying events. It features a 'Live Events' section at the top. Below it, there is a form for modifying an existing event:

Event Name	Event Date	Event Time	Event Location	Registration Deadline
Hackathon 2023	12-05-2023	10:00	KEF RnD Center	10-05-2023

Below this, there is a 'Create a New Event' section with a similar form:

Event Name	Event Date	Event Time	Event Location	Registration Deadline
Event Name	dd-mm-yyyy	--::--	location	dd-mm-yyyy

Buttons for 'Modify' (yellow outline) and 'Delete' (red outline) are located next to the modify form, while 'Create' (green outline) and 'Cancel' (red outline) are located next to the create form.

- Club Page

The screenshot shows a dark-themed web application interface for a club. At the top, there is a navigation bar with links for 'DBSMP', 'Categories', 'Events', and a search bar. Below the navigation, the club's name 'Chords And Co.' is prominently displayed in bold white text. A brief description follows:

A club that provides a platform for musicians to come together and perform

A call-to-action button at the bottom reads: 'Ready for some fun? Join the Club!'

Trigger for Deleted Events

```
● ● ●

create
or replace function store_deleted_event () returns trigger as $$

BEGIN
    INSERT INTO deleted_event
    VALUES (OLD.event_id, OLD.event_name, OLD.event_date, OLD.event_time,
    OLD.event_location, OLD.event_desc, OLD.club_id, OLD.registration_deadline);
    RETURN OLD;
END;
$$ language plpgsql;

create trigger store_deleted_event_trigger
after delete on event for each row
execute function store_deleted_event();
```

Function for Searching

```
● ● ●

create
or replace function search_event_or_club (search_text text) returns
table (
    name text,
    type text
) language sql as $$

    select event_name, 'event' as type from event where event_name
    ilike '%' || search_text || '%'
    union all
    select club_name, 'club' as type from club where club_name ilike
    '%' || search_text || '%';
$$;
```

Connecting to the Database Client

```
...  
  
import { createClient } from '@supabase/supabase-js'  
import {  
    PUBLIC_SUPABASE_ANON_KEY,  
    PUBLIC_SUPABASE_URL  
} from '$env/static/public';  
  
export const supabase = createClient(PUBLIC_SUPABASE_URL,  
PUBLIC_SUPABASE_ANON_KEY)
```

Softwares

- SvelteKit
- Supabase
- PostgreSQL

References

- Joy Of Code (youtube)
- Fireship (fireship.io)
- Database System Concepts (Book by Abraham Silerschatz)