

WEBSITE FOR TBI GECT

A Mini Project Report

*submitted to the APJ Abdul Kalam Technological University
in partial fulfillment of the requirements for the award of degree*

Bachelor of Technology

in

Computer Science and Engineering

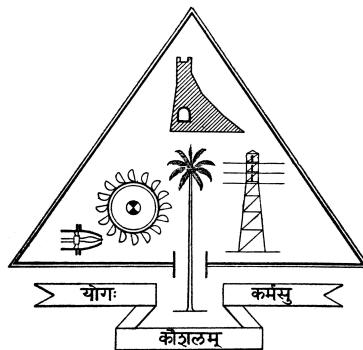
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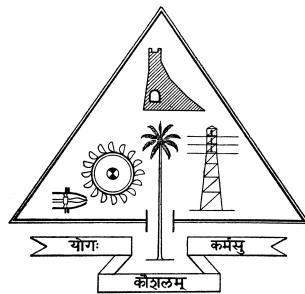
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GOVERNMENT ENGINEERING COLLEGE, THRISSUR

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APRIL 2024

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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CERTIFICATE

This is to certify that the report entitled **WEBSITE FOR TBI GECT** submitted by **Chanchal S**(TCR21CS019), **Aiswarya Satheesh**(TCR21CS004), **Rima S**(TCR21CS052) & **Megha Ranjani Mahadevan**(TCR21CS037) to the APJ Abdul Kalam Technological University in partial fulfillment of the B.Tech. degree in Computer Science and Engineering is a bonafide record of the mini project work carried out by him/her under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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DECLARATION

We hereby declare that the mini project report **WEBSITE FOR TBI GEET** , submitted for partial fulfillment of the requirements for the award of degree of Bachelor of Technology of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by us under supervision of **Dr. Ajay James**.

This submission represents our ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and referenced the original sources.

We also declare that we have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in our submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

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Abstract

The aim of this project is to create a website for the Technology Business Incubator (TBI) cell of Government Engineering College Thrissur. This website is intended for showcasing the entrepreneurship undertakings and achievements, highlighting the workshops, projects and events conducted by TBI and to provide a platform to connect with the companies and mentors under TBI. It also seeks to provide a Startup School module with access to curated videos, materials, and information about public funds and schemes aimed at nurturing entrepreneurial talent.

Acknowledgement

We take this opportunity to express our deepest sense of gratitude and sincere thanks to everyone who helped us to complete this work successfully. We express our sincere thanks to **Dr. Ajay James**, Head of Department, Computer Science and Engineering, Government Engineering College, Thrissur for providing us with all the necessary facilities and support.

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We would like to place on record our sincere gratitude to our project guide **Dr. Ajay James**, HOD, Computer Science and Engineering, Government Engineering College, Thrissur for the guidance and mentorship throughout this work.

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ABBREVIATIONS

GECT	Government Engineering College, Thrissur
TBI	Technology Business Incubator
IIT	Indian Institute of Technology
IAN	Indian Angel Network
SIDBI	Small Industries Development Bank of India
GDPR	General Data Protection Regulation
SAHAS	SIDBI Assistance for Harnessing Aspiring Swavalambis
UI	User Interface
UAT	User Acceptance Test
CMS	Content Management System

Chapter 1

Introduction

Technology Business Incubator (TBI) at GEC, Thrissur is planned to provide a springboard to budding entrepreneurs who wish to launch themselves into the world of technology-based business careers. The Innovation center is designed to provide all the support to make business ventures successful. In the Technology Business Incubator (TBI) bright ideas can be developed to a product or service using advanced technology solutions. Government Engineering College Thrissur has signed a Memorandum of Understanding (MoU) with the Small Industries Development Bank of India (SIDBI). The college has set up a Swavalamban Chair for MSME Solutions under the project SAHAS (SIDBI Assistance for Harnessing Aspiring Swavalambis) under Technology Business Incubator Cell. This is the first time in India that SIDBI is signing an MoU with a college to promote entrepreneurship under this scheme.

The Expert Committee that manages the TBI is led by Dr. Ajay James, HOD and Assistant Professor, Department of Computer Science and Engineering and Faculty Chair, Swavalamban Chair for MSME Solutions, Mr. Muhammed Arif, the Project Manager, Dr. Haris Naduthodi, TBI Secretary and a dedicated team of expert faculty members, mentors and patrons.

1.1 Topic Introduction

The Technology Business Incubator (TBI) cell is actively involved in providing the infrastructure and environment required for starting advanced technology business ventures through research, design, development and training activities.

The TBI presently does not have its own website. The GEC Thrissur website contains a web-page highlighting the achievements and prominent events conducted by TBI.

The major drawbacks due to absence of an official website for TBI include :

- Activities undertaken by TBI fail to reach all students in the college and outside.
- Students are unaware about events and workshops conducted by TBI.
- Currently, there are no effective means for connecting with the mentors of TBI.
- The process of applying for incubation is restricted to offline mode only.
- There is no platform to connect with the companies incubated at TBI.

1.2 Problem Statement

The TBI cell of GEC Thrissur, although actively functioning in the college for many years, has fallen short in proper outreach and promotion of its various entrepreneurship fostering activities and skill development programs and failed to provide an effective communication channel with industrial mentors and companies incubated in TBI.

1.3 Objectives

To create an official website for TBI GECT which fulfills all the objectives and requirements specified :

Requirements

1. Create a simple website which is easy to update in future.
2. It should show the latest announcements, upcoming events, startups and companies.
3. A learning page and mentor networking.
4. Registration and application process for incubation within TBI and registration details made available online through the website.

Objectives

1. Outreach of activities undertaken by TBI to all students in the college and outside.
2. Awareness about events and workshops conducted by TBI.
3. Effective means for connecting with the mentors of TBI.
4. Describe the process of applying for incubation and facilitate online application.
5. A platform to connect with the companies incubated at TBI.

1.4 Societal and Industrial Relevance

The Technology Business Incubator (TBI) at GEC, Thrissur, is poised to address critical challenges within the industry and society, offering a headstart to budding entrepreneurs venturing into technology-based businesses.

- Innovation Hub: The TBI at GEC, Thrissur, is an innovation hub designed to support budding entrepreneurs in translating bright ideas into viable products and services using advanced technological solutions.
- Employment Opportunities: By nurturing startups and fostering a culture of entrepreneurship, the TBI creates employment opportunities within the community.
- Skill Development: The TBI promotes skill development by providing hands-on experience to budding entrepreneurs. Through mentorship, workshops, and practical training, individuals acquire the necessary skills to succeed in the industry. This not only enhances employability but also empowers individuals to pursue their entrepreneurial dreams, thereby contributing to the overall skill development of the society.

Chapter 2

Literature Review

2.1 Introduction

In the realm of technology business incubators (TBIs), the absence of an official website for disseminating information, facilitating networking, and promoting events presents a critical gap in the ecosystem. A review of existing TBIs and similar entrepreneurial platforms sheds light on the importance of digital presence in fostering entrepreneurship and supporting startup ventures.

2.2 Comparative Analysis of Existing Platforms

Examining comparable TBIs reveals a common emphasis on providing comprehensive online platforms to cater to diverse stakeholders, including students, entrepreneurs, mentors, and investors. Platforms such as Y Combinator and TechStars offer insights into best practices and emerging trends in TBI website development. These platforms leverage intuitive user interfaces, dynamic content management systems, and robust networking functionalities to enhance user engagement and facilitate meaningful connections within the entrepreneurial community.

2.2.1 Y Combinator

- Y Combinator is one of the world's most renowned startup accelerators, known for its comprehensive support programs and successful portfolio of alumni

companies.

- Their website serves as a hub for information about their programs, portfolio companies, events, and resources for startups.
- Y Combinator's website design prioritizes simplicity, clarity, and easy navigation, ensuring that users can quickly access relevant information.
- The platform features a blog section that provides insights, advice, and updates on the startup ecosystem, fostering community engagement and knowledge-sharing.

2.2.2 Techstars

- Techstars is another prominent global network that provides resources, mentorship, and investment opportunities to startups.
- Their website serves as a centralized hub for information about their accelerator programs, corporate partnerships, and community initiatives.
- Techstars' website design emphasizes visual appeal, with engaging graphics and multimedia elements that enhance user experience.
- The platform incorporates interactive features such as a blog, webinar series, and resource library, offering valuable content and insights for entrepreneurs.
- Techstars also leverages social media integration to foster community engagement and facilitate networking among startups, mentors, and investors.

2.2.3 IIT Mandi's TBI

- Description: IIT Mandi's Technology Business Incubator (TBI) is an initiative aimed at fostering innovation and entrepreneurship among students, faculty, and the wider community. It provides a supportive ecosystem for startups to grow and thrive, offering resources, mentorship, and networking opportunities.
- Website: [IIT Mandi TBI](<https://www.iitmandi.ac.in/tbi/index.html>)

- Features:
 - Incubation support for startups across various sectors, including technology, healthcare, and agriculture.
 - Access to state-of-the-art infrastructure, labs, and prototyping facilities.
 - Mentorship from industry experts and experienced entrepreneurs.
 - Networking events, workshops, and seminars to facilitate knowledge sharing and collaboration.
 - Funding opportunities and assistance in fundraising for startups.
 - Success stories and case studies highlighting the achievements of incubated startups.

2.2.4 Indian Angel Network (IAN)

- Description: The Indian Angel Network (IAN) is one of the largest and oldest angel investor networks in India. It comprises successful entrepreneurs, investors, and professionals who invest in early-stage startups and provide them with mentorship and strategic guidance.
- Website: [Indian Angel Network](<https://www.indianangelnetwork.com/>)
- Features:
 - Investment opportunities for startups across various sectors, including technology, consumer products, and healthcare.
 - Access to a network of experienced angel investors and industry experts.
 - Mentorship and advisory support to help startups scale and succeed.
 - Pitch events and networking sessions for entrepreneurs to connect with potential investors.
 - Syndication platform for co-investment and collaboration among angel investors.
 - Success stories and case studies showcasing the impact of IAN's investments and support on startups' growth trajectories.

These platforms exemplify effective TBI website development by prioritizing user experience, content accessibility, and community engagement. Studying their approach can provide valuable insights for designing and developing the TBI website at GEC, Thrissur.

2.3 Conclusions and Gap Analysis

2.3.1 Importance of Digital Resources for Entrepreneurship Education

The inclusion of a startup school module within the proposed TBI website aligns with the growing recognition of the role of digital resources in supporting entrepreneurship education and skill development. The Startup School Module provide aspiring entrepreneurs with access to curated videos, materials, and information about public funds and schemes aimed at nurturing entrepreneurial talent. By democratizing access to educational resources and support services, these platforms empower individuals to embark on their entrepreneurial journey with confidence and resilience.

2.3.2 Addressing the Needs of Diverse Stakeholders

The proposed TBI website, with its emphasis on simplicity, accessibility, and functionality, aims to bridge the gap between stakeholders and foster a vibrant entrepreneurial ecosystem. By providing a centralized platform for showcasing activities, promoting events, facilitating networking, and streamlining the incubation process, the website endeavors to meet the diverse needs of students, entrepreneurs, mentors, and business ventures associated with the TBI.

2.4 Summary

The literature review emphasizes the necessity of establishing an official website for the Technology Business Incubator (TBI) at GEC, Thrissur. Insights drawn from existing TBIs and entrepreneurial platforms indicate the significant potential of such a website to stimulate entrepreneurship, foster innovation, and contribute to economic

growth. Looking ahead, the incorporation of the startup school module offers an avenue to augment the website's utility and provide additional support to budding entrepreneurs as they progress in their endeavors.

Chapter 3

Feasibility Study and Requirements Analysis

3.1 Feasibility

Feasibility refers to the assessment of whether a project is technically, economically, and operationally viable or achievable. Feasibility studies are conducted to evaluate the potential success and practicality of a project before committing significant resources to its implementation.

3.1.1 Technical Feasibility

Technical feasibility for the Technology Business Incubator (TBI) website involves assessing whether it's achievable to develop the website using ReactJS for the frontend, Node.js for the backend, and Firebase for the database. These technologies are well-established and widely used, with ample documentation and community support. Given the availability of necessary tools and frameworks, the technical feasibility of this project is high. Developing the website with ReactJS, Node.js, and Firebase ensures scalability, performance, and modern functionality, making it a feasible choice for implementation.

3.1.2 Economic Feasibility

The economic feasibility of the project is favourable. Utilising open-source technologies like ReactJS and Node.js reduces licensing costs, while Firebase's pay-as-you-go pricing model allows for cost-effective scalability based on usage. Additionally, the long-term benefits of having a professional online presence for the TBI, such as increased visibility and networking opportunities, outweigh the initial development and maintenance expenses.

3.1.3 Time Feasibility

The time feasibility of the project is achievable within reasonable timelines. Leveraging ReactJS for the frontend enables rapid development through its component-based architecture and reusable UI elements. Similarly, Node.js facilitates efficient backend development, while Firebase's managed services streamline database setup and maintenance. With proper project management and resource allocation, the website can be developed and deployed within the desired timeframe of 3 - 4 months.

3.1.4 Legal Feasibility

From a legal perspective, there are no significant obstacles to the development and operation of the TBI website. However, adherence to data protection regulations, such as GDPR (General Data Protection Regulation), is essential when handling user data collected through the website. Ensuring compliance with relevant laws and regulations will mitigate potential legal risks and ensure the website's lawful operation.

3.1.5 Operational Feasibility

Operational feasibility assesses whether users can effectively use the website and if sufficient resources are available for its operation. With an intuitive user interface developed using ReactJS and a scalable backend powered by Node.js and Firebase, the TBI website will be user-friendly and easy to maintain. Operational resources required for development and maintenance are readily available, making the project operationally feasible.

3.2 Project Requirements

Project requirements refer to the specific functionalities, features, constraints, and expectations that define what the project must deliver to meet its objectives. These requirements serve as the foundation for the project design and guide the development process. They are typically derived from the project's goals, stakeholder needs, and any relevant regulations or standards.

Product Perspective

The TBI website will serve as a standalone system dedicated to represent TBI's activities and services. It will integrate with existing platforms, such as social media and video streaming platforms, for enhanced outreach.

Product Functions

Showcase entrepreneurship endeavours and achievements. Display latest announcements and upcoming events. Provide information on startups and companies incubated at TBI. Facilitate mentor networking and access to resources. Describe the incubation application process and enable online applications. Enable learning through a Startup School to train aspiring entrepreneurs. Dedicated section for blogs related to the incubated companies and the latest technological advancements.

User Classes and Characteristics

Administrators: Responsible for managing website content and applications.
Visitors: Students, entrepreneurs, mentors, and businesses interested in TBI's activities and services.

Operating Environment

The website will be accessible via standard web browsers and should be responsive across different devices and screen sizes.

Design and Implementation Constraints

Compatibility with major web browsers (Chrome, Firefox, Safari, Edge). Compliance with web standards and accessibility guidelines. Security measures to protect user data and prevent unauthorised access.

User Documentation

User documentation will include guides for administrators on managing content and applications, as well as guidance for visitors on navigating the website effectively.

User Interfaces

The user interface will be intuitive and user-friendly, featuring easy navigation and clear organisation of content. Key components include:

- Home page showcasing achievements and announcements.
- Sections for events, startups, mentors, and resources.
- Application forms for incubation and contact details for inquiries.
- Startup School for learning about startups and entrepreneurship.
- Dedicated section for blogs related to the incubated companies and the latest technological advancements.

Hardware interfaces

The website will be hosted on a web server and accessible via standard hardware devices such as desktops, laptops, tablets, and smartphones.

3.2.1 Implementation Requirements

The implementation of the TBI website requires expertise in ReactJS for frontend development and Node.js for backend development. Developers should be proficient in JavaScript and familiar with modern web development practices, including responsive design and RESTful APIs. Additionally, knowledge of Firebase for database integration is necessary to ensure seamless data storage and retrieval.

- Programming Languages and Frameworks: ReactJS for frontend development, Node.js for backend development.
- Database: Firebase for real-time database functionality.
- User Interface: HTML, CSS, JavaScript for creating a visually appealing and interactive frontend.
- Integration: Ensure seamless integration between frontend and backend components for optimal performance and user experience.

3.2.2 Deployment Requirements

For the deployment of Website for TBI GECT the following requirements are necessary:

- Hosting Environment: Choose a hosting platform compatible with Node.js applications. Services like Heroku or AWS Elastic Beanstalk provide scalable solutions for deploying Node.js applications.
- Database Hosting: Firebase for hosting the real-time database.
- Scalability: Ensure the website can handle increasing traffic and data volumes efficiently.
- Security: Implement security measures to protect user data and prevent unauthorised access.
- Continuous Monitoring: Set up monitoring systems to track website performance and address any issues promptly.

Chapter 4

Project Design

Workflow Diagram

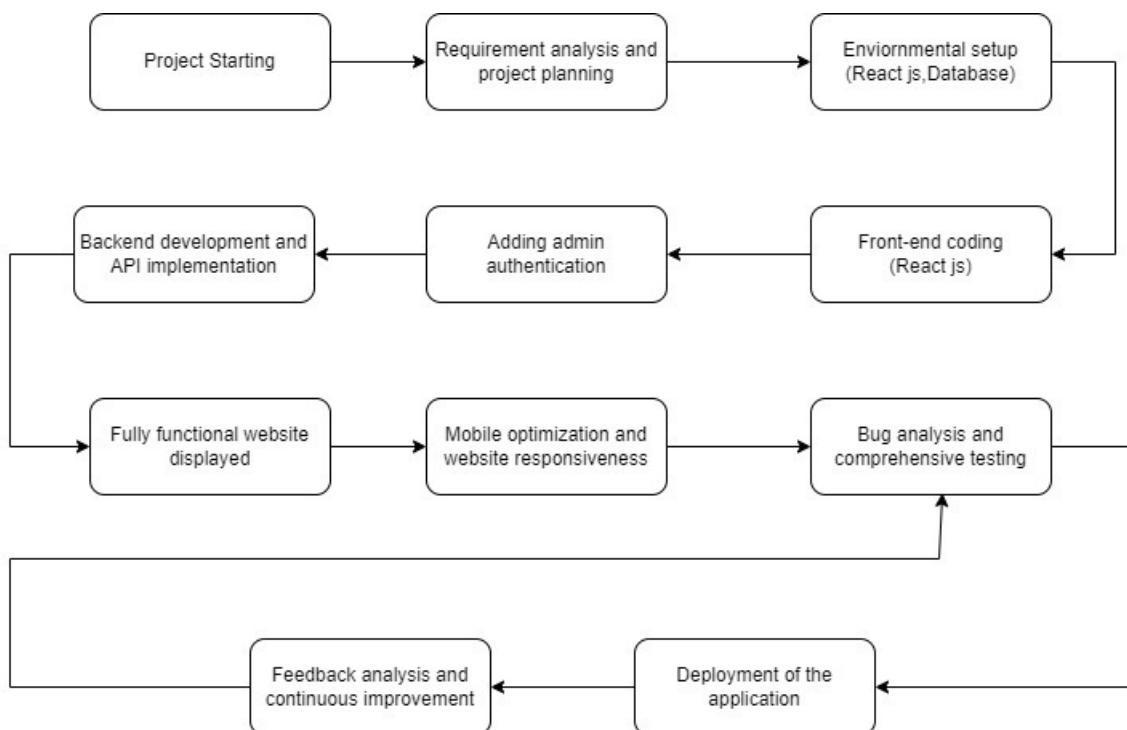


Figure 4.1: Workflow Diagram that outlines the steps in the creation of the website

The website development process begins with project initiation, followed by thorough requirement analysis and project planning. Once requirements are understood, the development environment is set up, incorporating necessary tools like React.js for the front-end and backend technologies. Backend development involves creating server-side logic and APIs for communication with the front-end. Front-end coding

using React.js follows, crafting the user interface. Admin authentication ensures secure content management. After integration, the fully functional website is displayed. Mobile optimization guarantees accessibility across devices. Rigorous bug analysis and testing identify and rectify errors. Feedback drives continuous improvement, allowing iterative enhancements. Finally, deployment to a web server makes the website publicly accessible. Though depicted linearly, development often involves iterative revisits based on testing and feedback.

User Flow Diagram

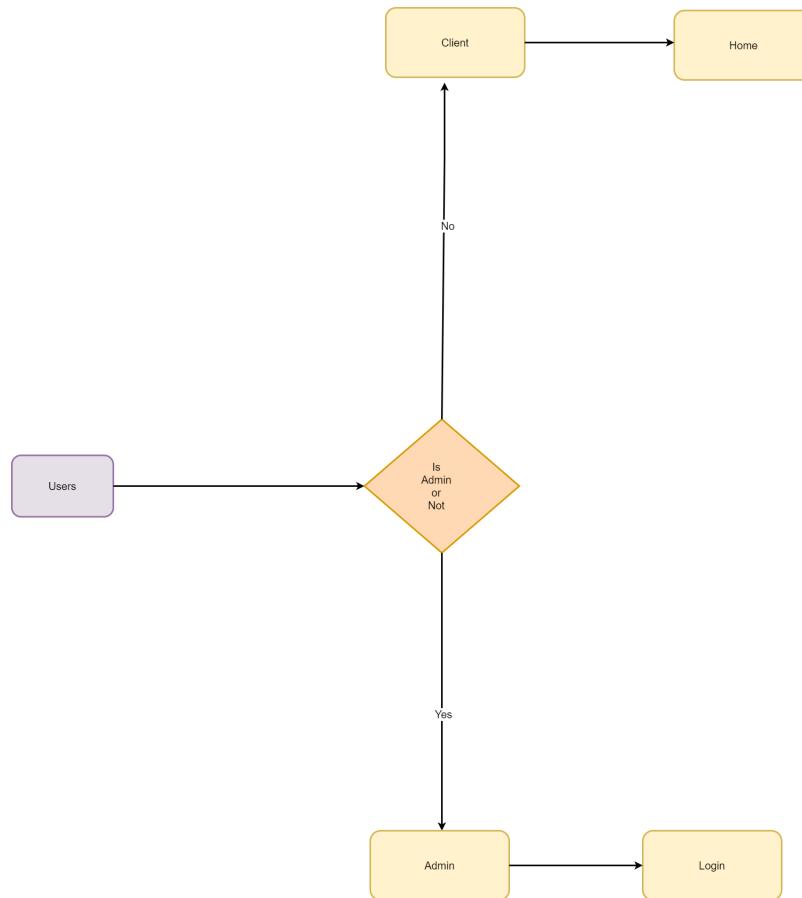


Figure 4.2: User Flow Diagram to identify the user

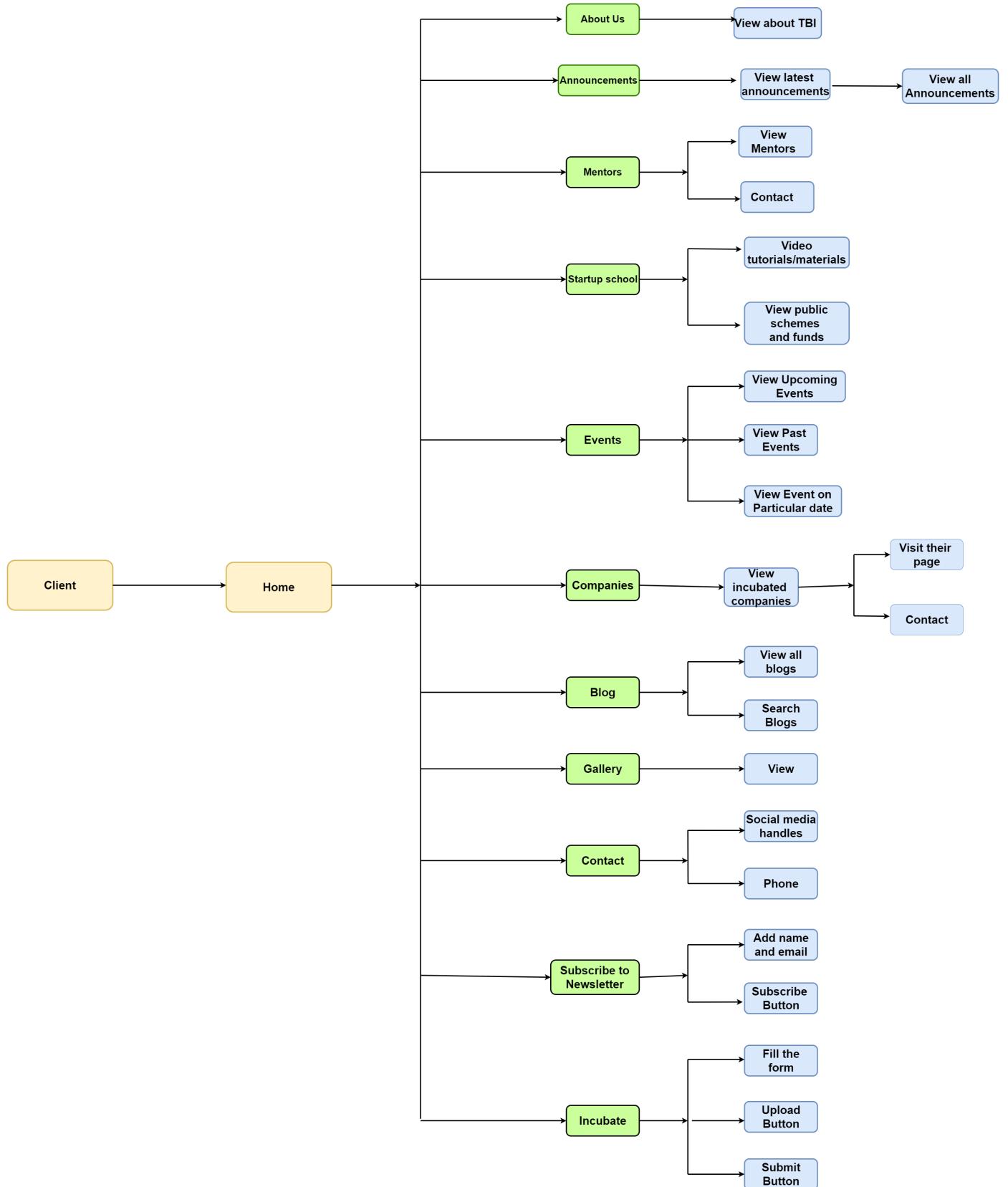


Figure 4.3: User Flow Diagram for user as a Client

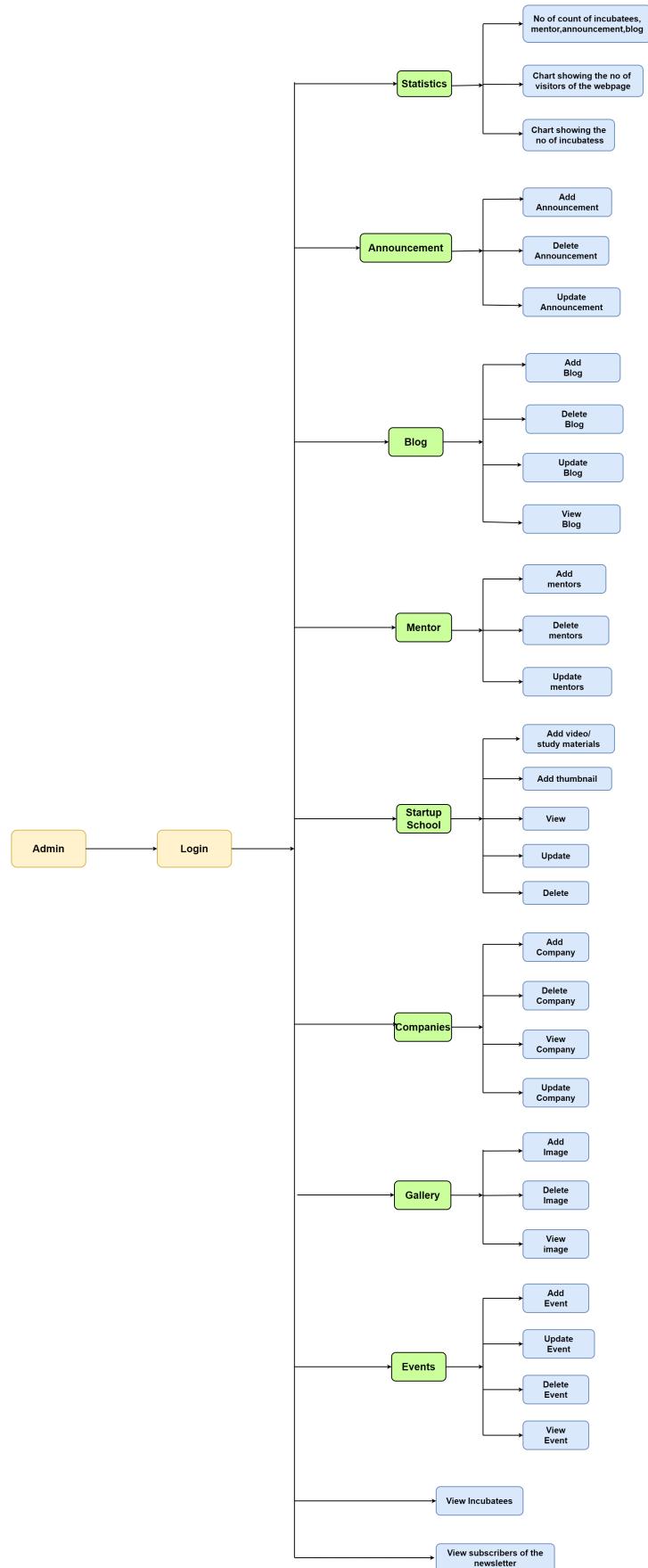


Figure 4.4: User Flow Diagram for user as Admin

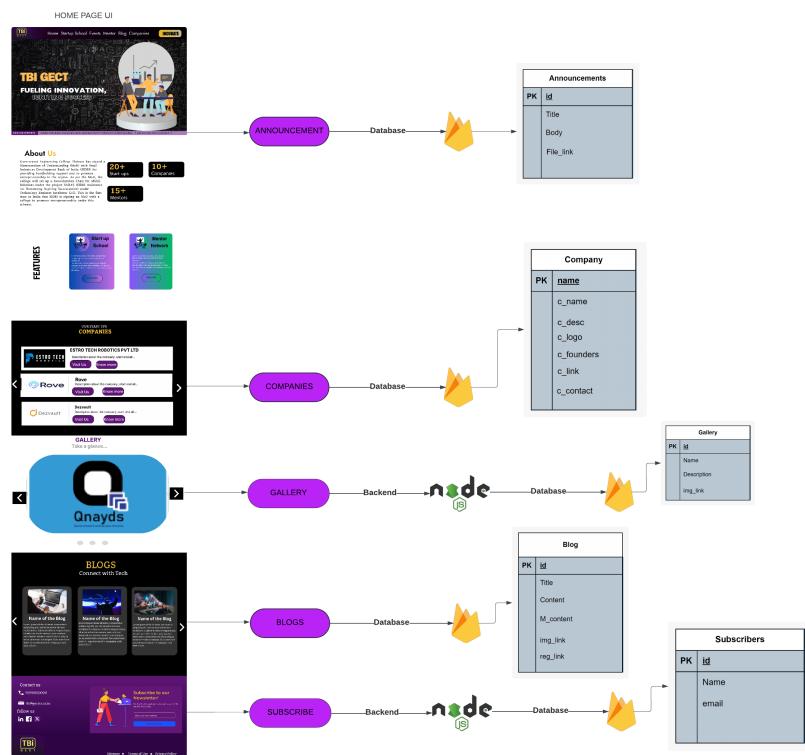


Figure 4.5: Architectural Diagram of Homepage

INCUBATION PAGE UI

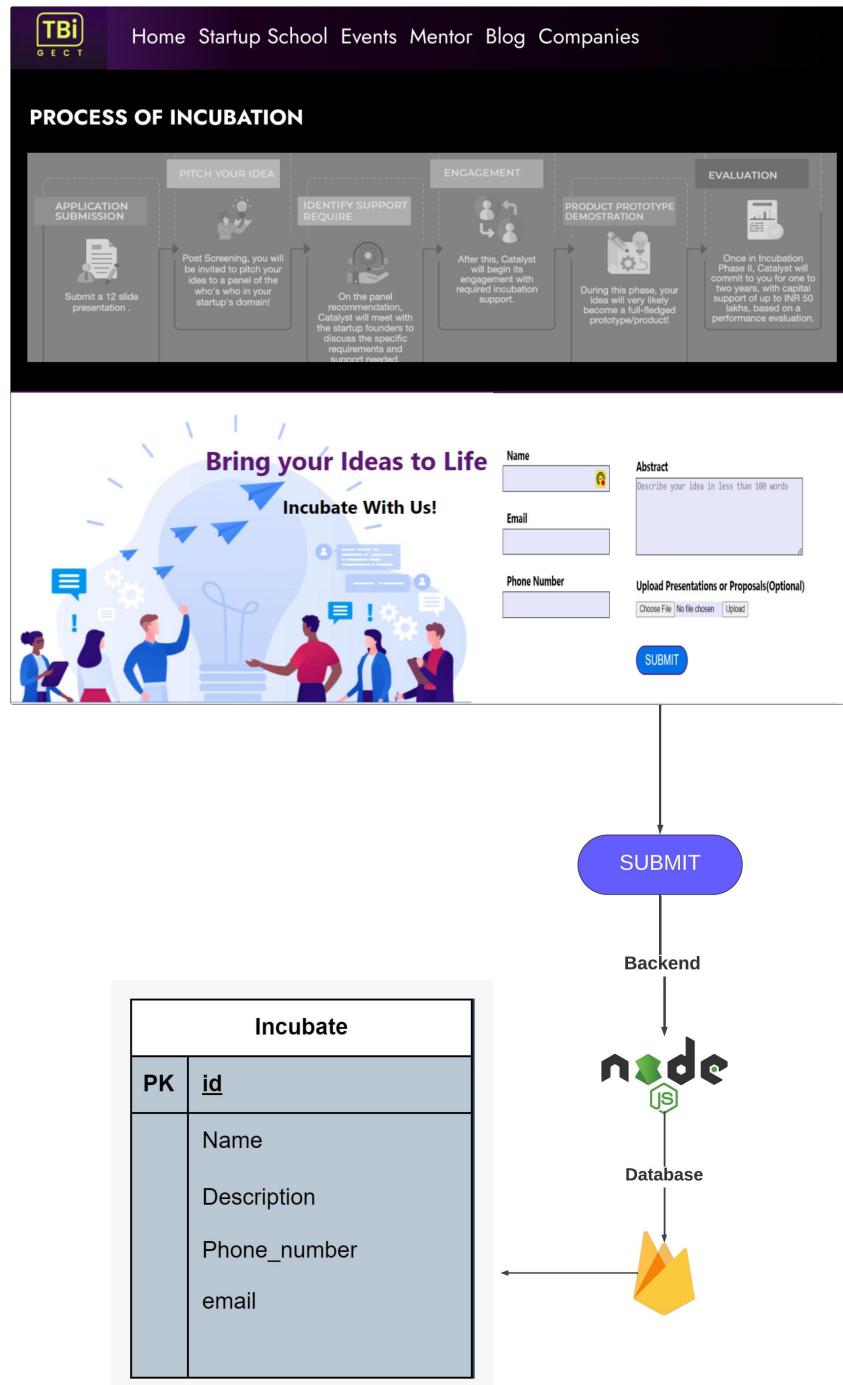


Figure 4.6: Architectural Diagram of Incubation

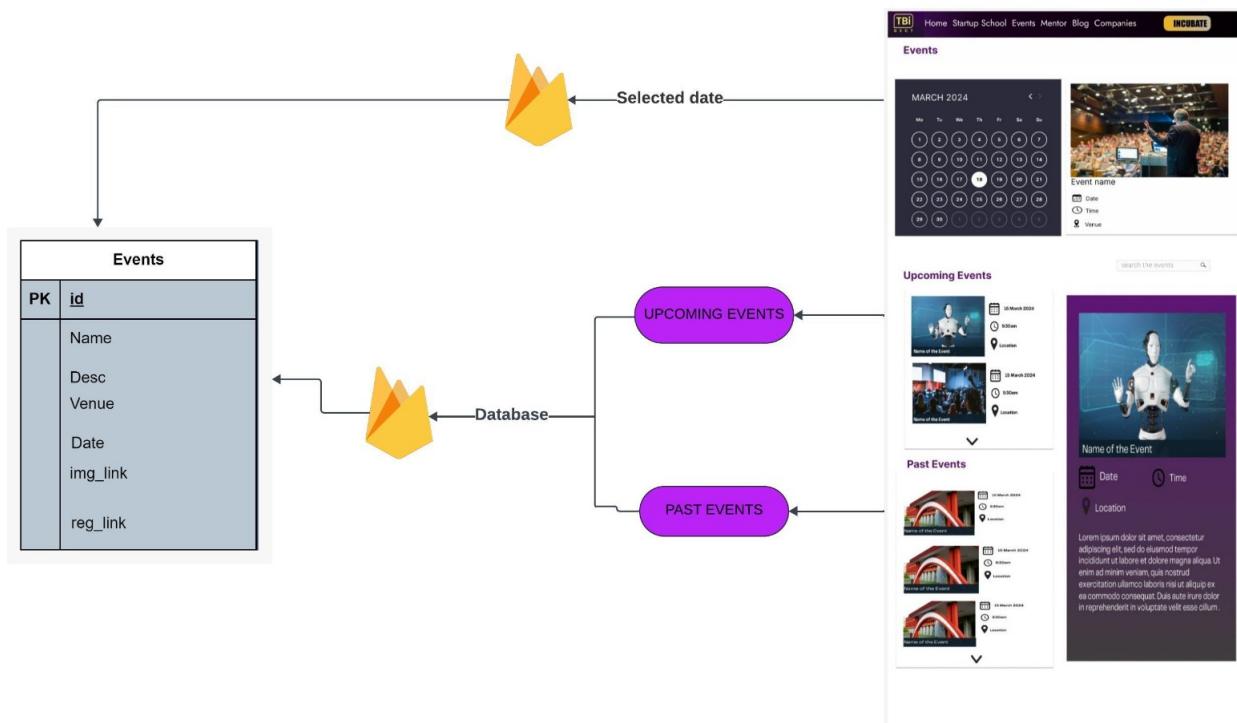


Figure 4.7: Architectural Diagram of Event Page

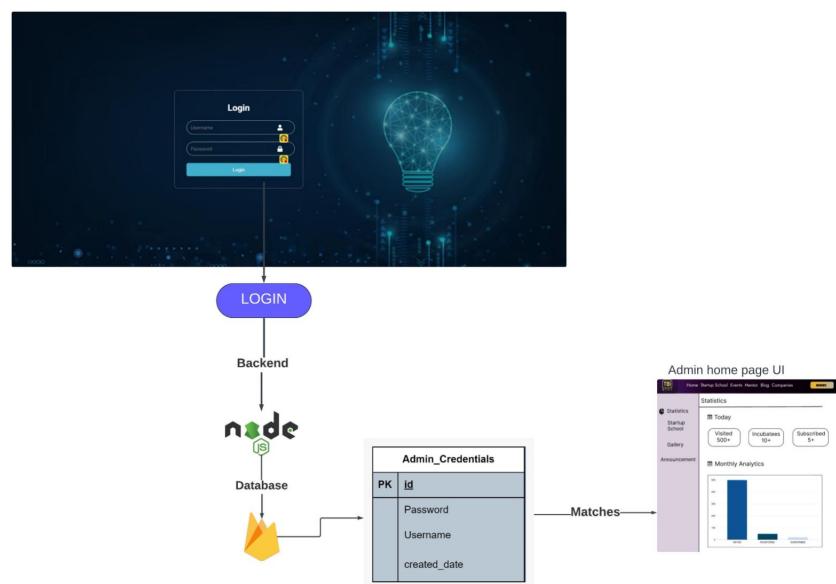


Figure 4.8: Architectural Diagram of Login Page

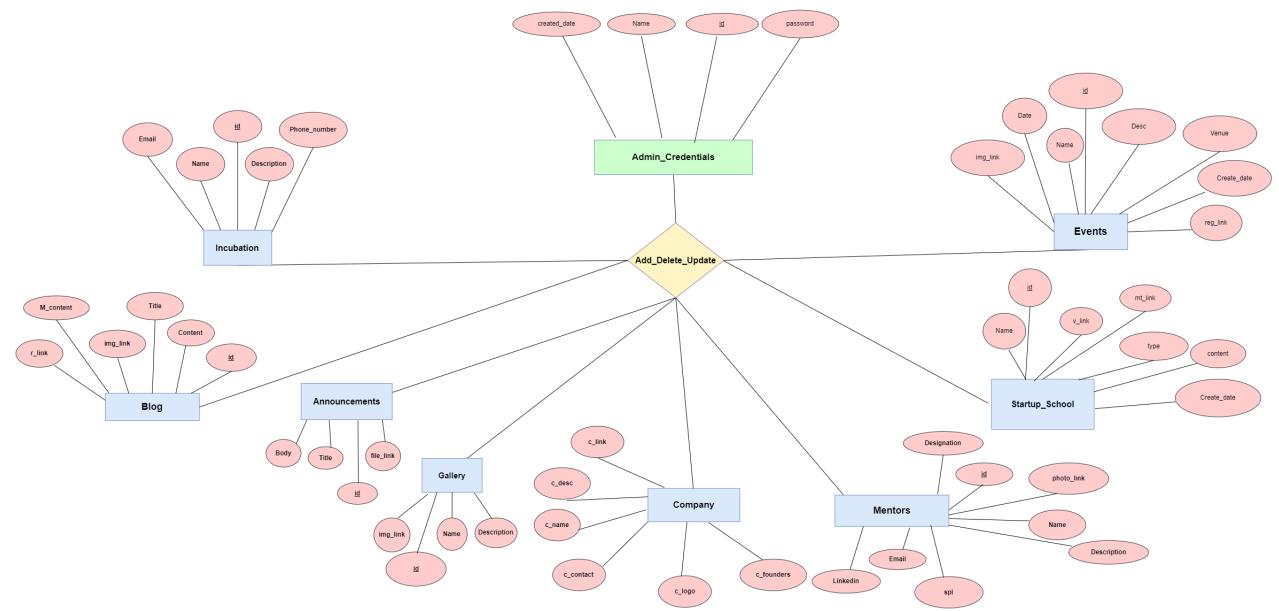


Figure 4.9: ER Diagram

Homepage

Event Page

Incubation Page

Startup School page

Announcement Page

Start School Admin page

Gallery Admin page

Statistics Admin page

Admin Login page

Figure 4.10: UI Diagram

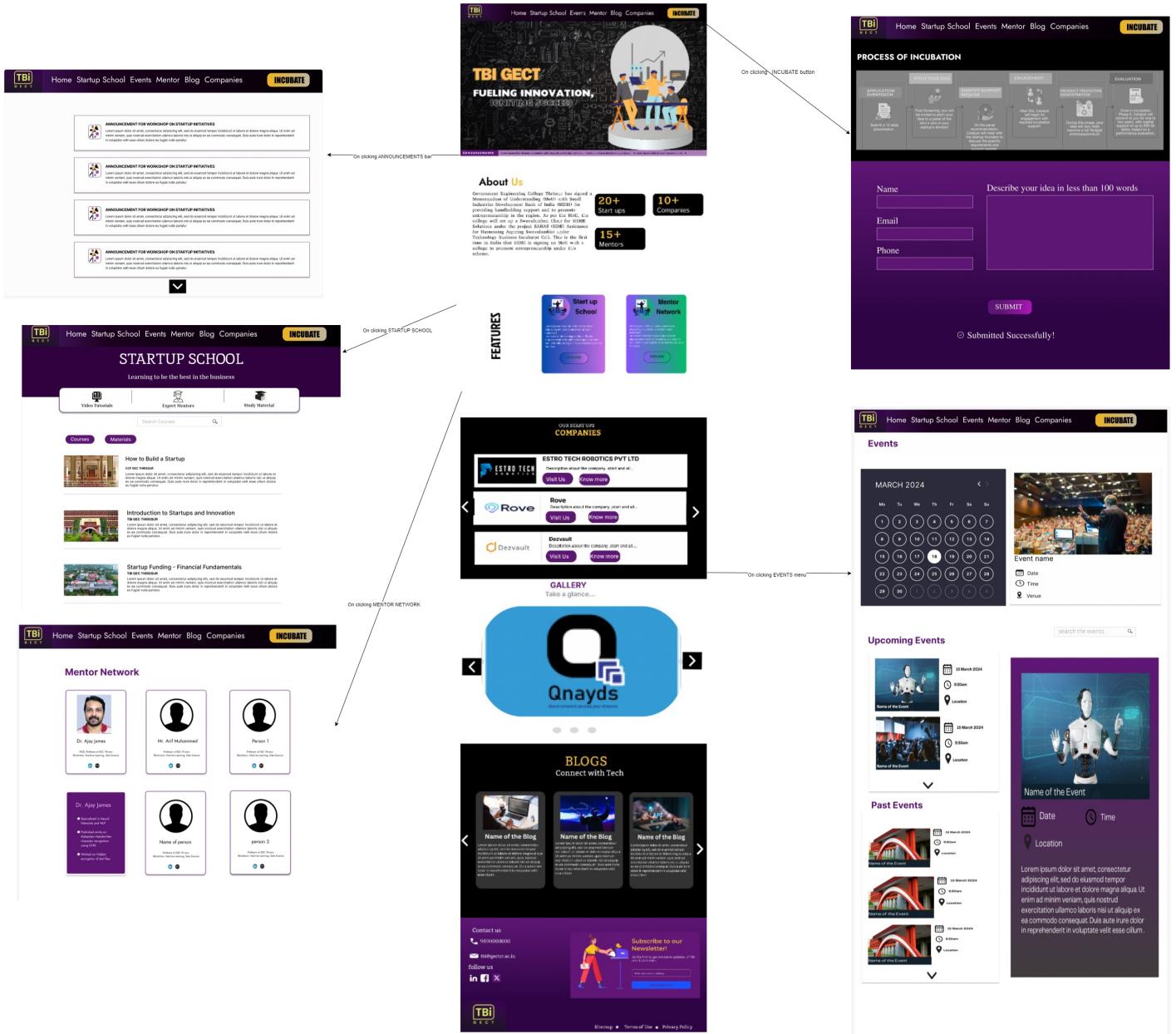


Figure 4.11: Layout Diagram of Home Page

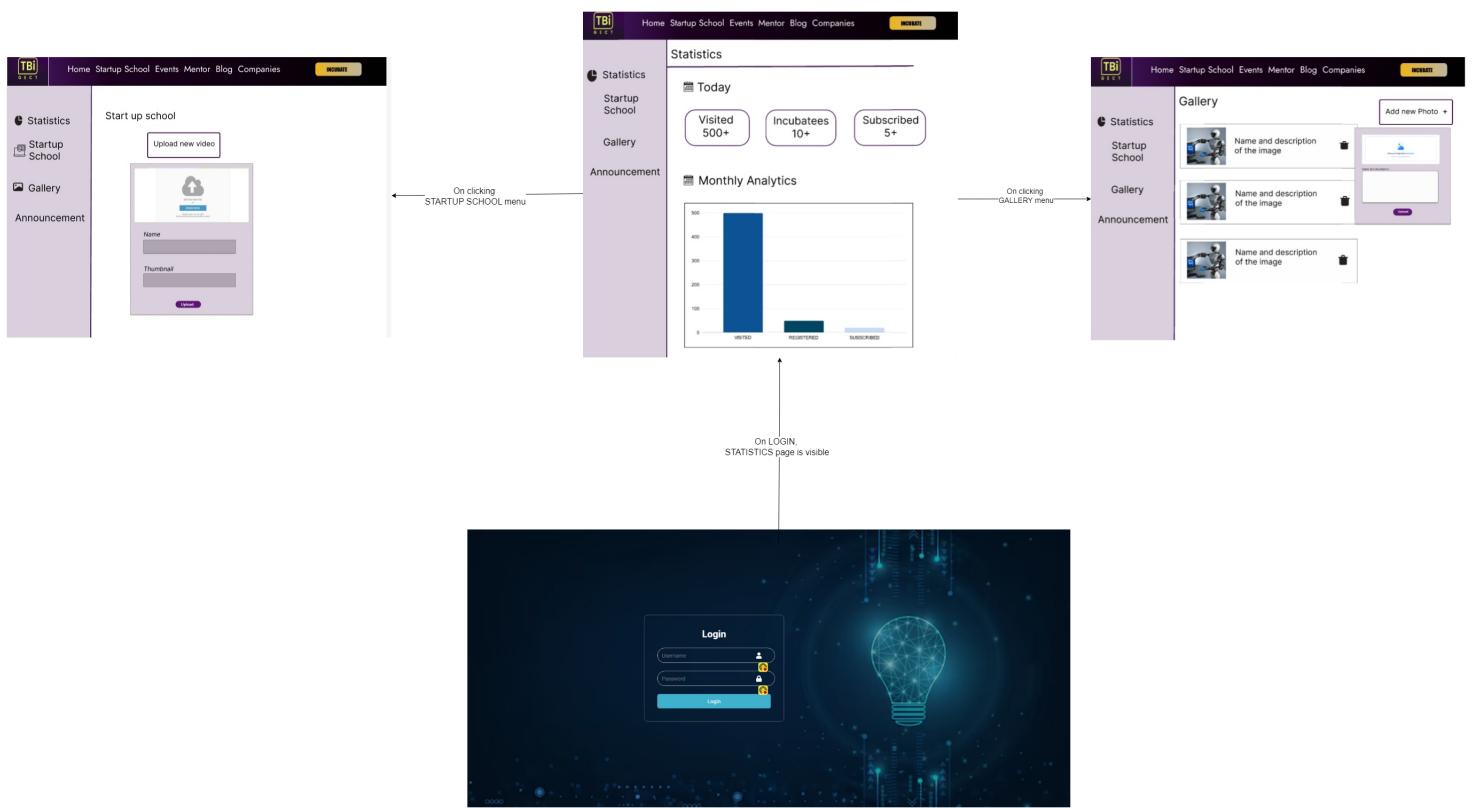


Figure 4.12: Layout Diagram of Admin Page

Chapter 5

Implementation and Testing

The implementation and testing process for the Technology Business Incubator (TBI) website closely follows a structured methodology, ensuring functionality, reliability, and user satisfaction.

5.1 Implementation Steps

5.1.1 Architectural Planning and Design

A detailed architectural plan and design are crafted to delineate the system components, database structure, and user interface layout. This step ensures clarity and coherence in the development process.

5.1.2 Frontend Development (React.js)

The user interface (UI) of the website is meticulously crafted using React.js, prioritizing simplicity and usability. Leveraging React's component-based architecture, we ensure efficient page rendering and seamless navigation, thereby enhancing the overall user experience.

5.1.3 Backend Development (Node.js)

Node.js forms the backbone of our backend infrastructure, enabling the establishment of a robust framework for server-side operations and data processing. Seamless inte-

gration with the Firebase database is achieved, facilitating efficient data management and retrieval.

5.1.4 Database Management (Firebase)

Firebase is employed as the database management system, offering real-time data synchronization and scalable storage solutions. Leveraging Firebase's features, we ensure data integrity and accessibility, supporting dynamic content updates and user interactions.

5.1.5 Content Management System (CMS)

A user-friendly and custom CMS is implemented to streamline content management tasks for administrators. This CMS empowers administrators to effortlessly create, edit, and publish various content types, including blogs, events, and announcements, without necessitating technical expertise.

5.1.6 Security Measures Implementation

Security measures are rigorously implemented to safeguard user data and ensure compliance with regulations. Robust encryption protocols, authentication mechanisms, and access controls are integrated to mitigate security risks.

5.1.7 Comprehensive Testing

A comprehensive testing regimen is conducted to identify and address any functional or performance issues. This includes unit testing, integration testing, user acceptance testing (UAT), and performance testing.

5.1.8 Bug Fixing and Refinement

Based on user feedback and testing results, any identified bugs or issues are promptly addressed. Continuous refinement is carried out to enhance the overall functionality and user experience of the website.

5.1.9 Deployment and Ongoing Maintenance

Upon successful testing and refinement, the TBI website is deployed to the production environment. Ongoing maintenance procedures are established to ensure the website's continued performance, security, and reliability.

5.2 Source Code

5.2.1 GitHub Repository Link for the Project

<https://github.com/Chanchalsanthosh/TBI-Website>

5.3 Testing Methodologies

5.3.1 Unit Testing

Validates the functionality of individual components and modules. This involves testing individual components or modules of the software to ensure they function correctly in isolation.

It helps catch bugs early in the development process and facilitates easier debugging and maintenance.

We have performed unit testing to validate the behavior of small units of code, such as functions or methods, including events module, announcement module, blogs and incubator modules.

5.3.2 Integration Testing

Ensures seamless interaction between frontend, backend, and database components. Integration testing verifies that different components or modules of the software work together as expected.

We have focused on ensuring seamless interaction between frontend, backend, and database components. This was done by testing and debugging at each stage of integration between the firebase database used in the events page, announcements page, company page, blogs page, etc.

Integration testing detects issues that arise when integrating individual units into a larger system, such as data flow errors or communication problems between modules.

5.3.3 User Acceptance Testing (UAT)

Involves real users providing feedback on usability and functionality. UAT requires real users testing the software to evaluate its usability, functionality, and whether it meets their requirements.

We have conducted this in a controlled environment that simulates real-world usage scenarios. This was done using feedback from the real-time customers from TBI.

We have acquired UAT feedback to help ensure that the software aligns with user expectations and business needs before deployment.

5.3.4 Performance Testing

Assesses the website's responsiveness and scalability under varying conditions. Performance testing assesses how well the software performs under various conditions, such as high user loads or heavy data volumes.

We have evaluated factors like responsiveness, stability, scalability, and resource usage in the integrated project by testing each of these factors in a controlled user environment.

Performance testing helped to identify bottlenecks, optimize system performance, and ensure the software is able to handle expected workloads without degradation.

By meticulously adhering to these implementation steps and testing methodologies, the TBI website is successfully developed and tested, delivering a reliable and user-friendly platform for showcasing entrepreneurship endeavors and fostering meaningful engagements within the TBI ecosystem.

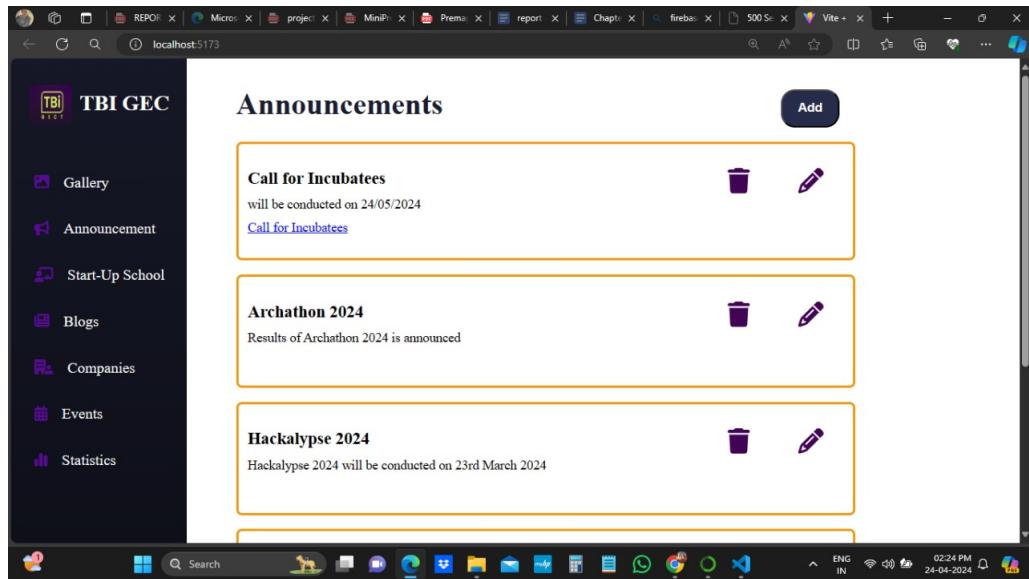


Figure 5.1: Current Admin view of Admin Announcements Page

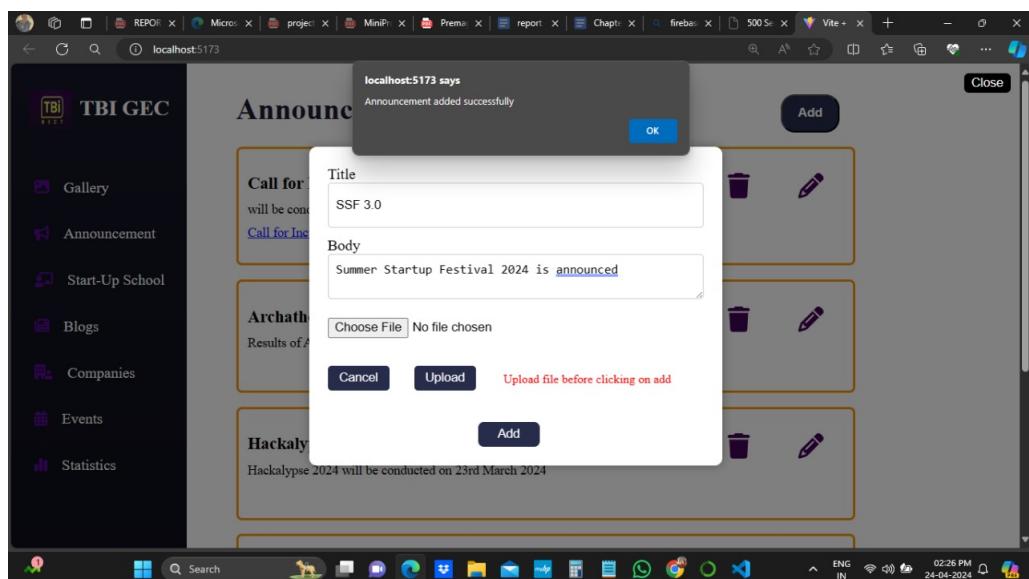


Figure 5.2: Add new announcement to the Admin Announcements Page

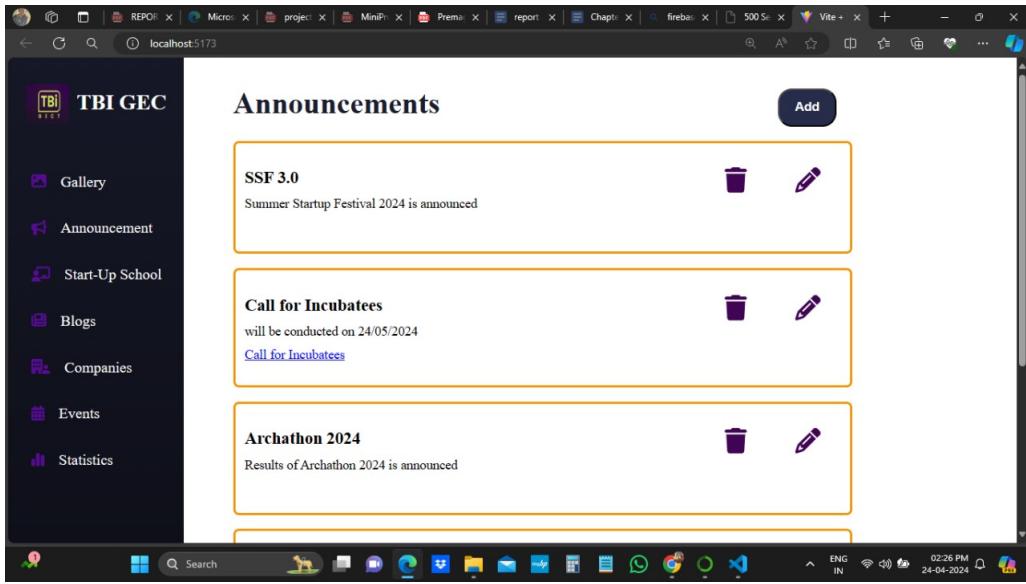


Figure 5.3: New Announcement added to the Admin Announcements Page

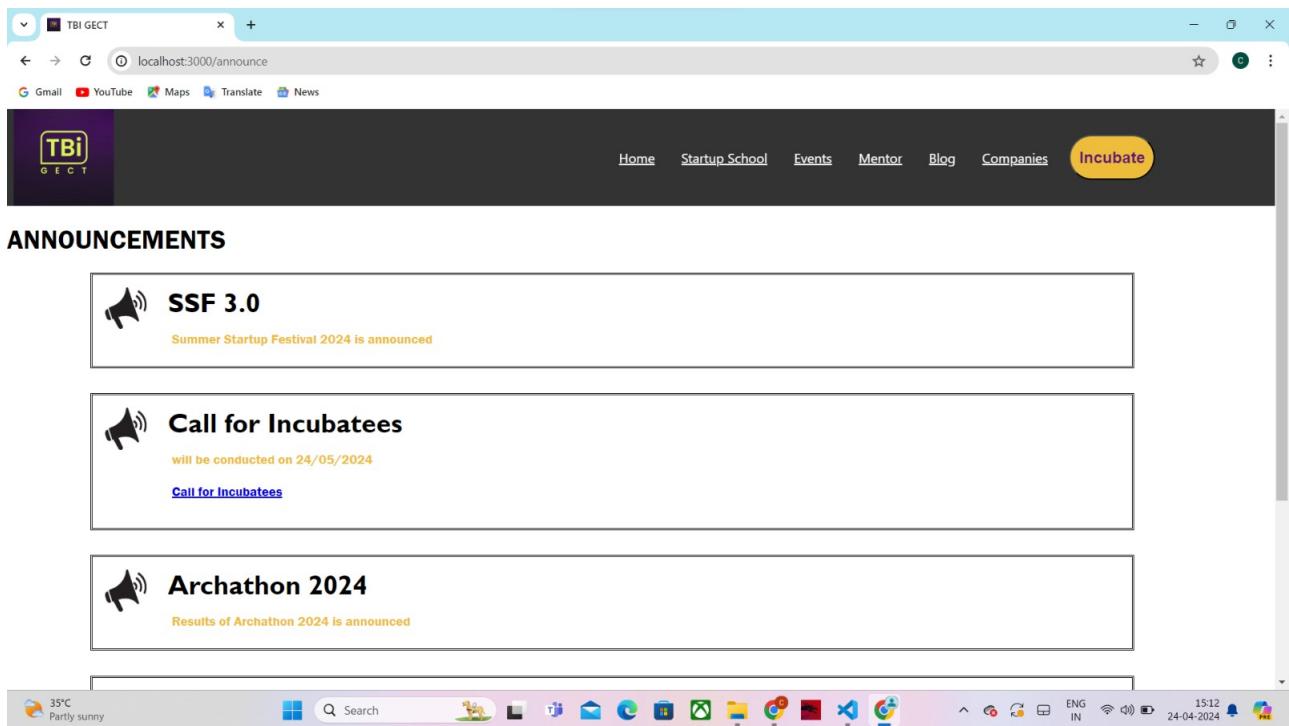


Figure 5.4: New Announcement added to the User Announcements Page

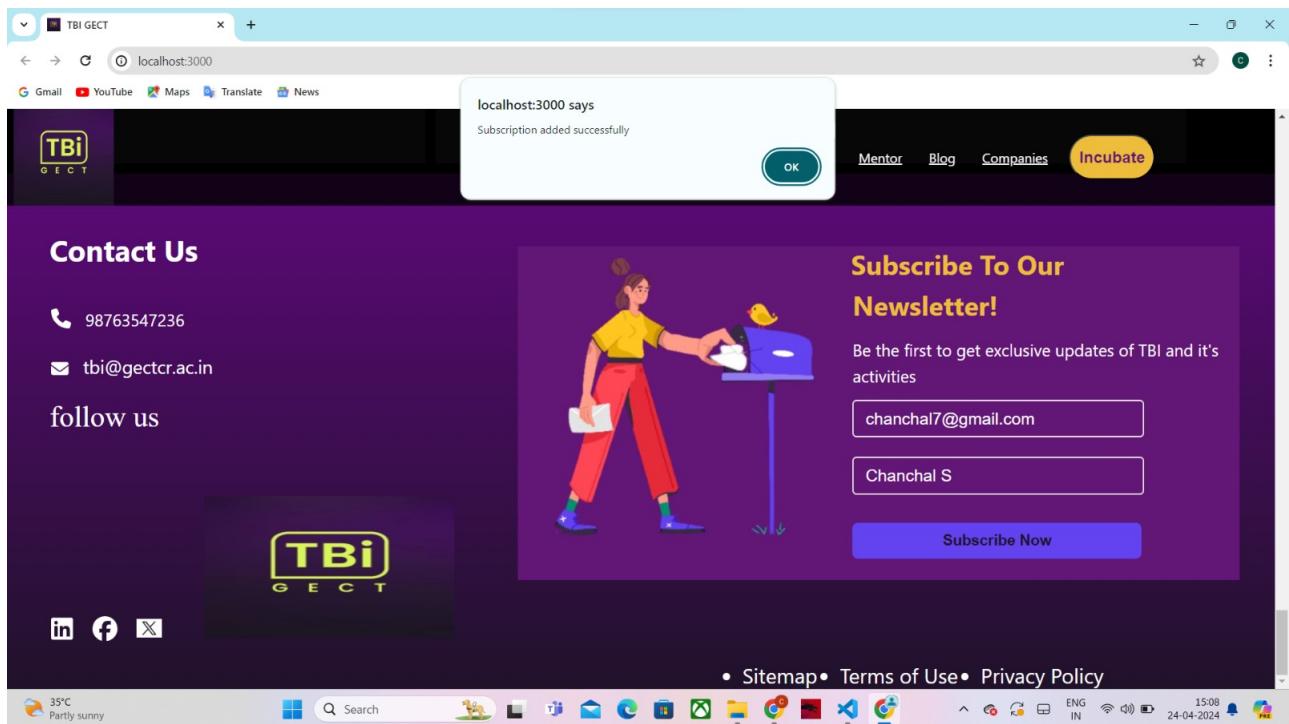


Figure 5.5: Subscription to the Newsletter is added

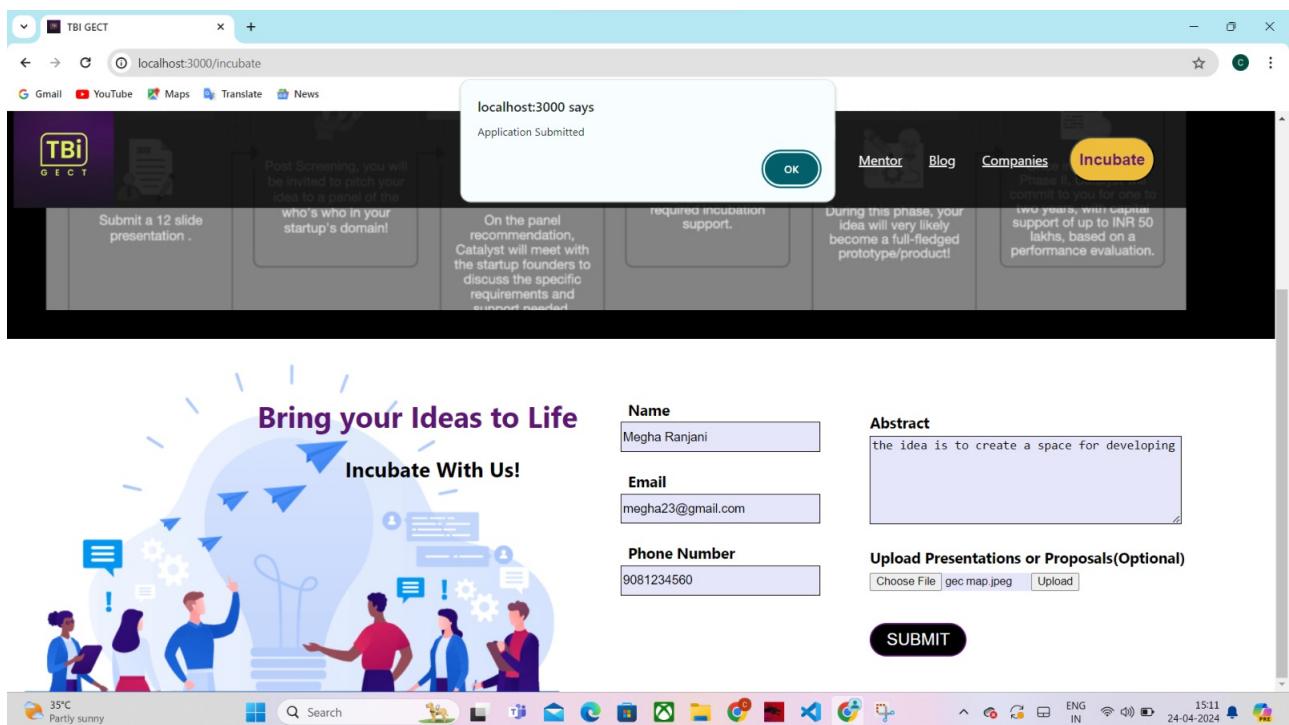


Figure 5.6: Incubation Application submitted

Chapter 6

Results and Discussion

The TBI website aims to serve as a central platform for showcasing entrepreneurship initiatives, highlighting workshops, projects, and events conducted by the Technology Business Incubator (TBI) cell of Government Engineering College Thrissur. Additionally, it provides a means to connect with companies, mentors, and aspiring entrepreneurs associated with TBI. Here are the anticipated key findings and discussions regarding the impact and benefits of the website:

6.1 Showcasing Entrepreneurship Initiatives

The website will effectively showcase the entrepreneurship endeavors undertaken by TBI, thereby enhancing outreach and visibility both within the college and to external stakeholders. Through dedicated sections highlighting success stories, startup profiles, and project showcases, the website will provide valuable insights into the innovative projects and ventures emerging from TBI.

6.2 Highlighting Workshops, Projects, and Events

By prominently featuring upcoming workshops, projects, and events conducted by TBI, the website will serve as a comprehensive resource for students, entrepreneurs, and stakeholders interested in skill development and entrepreneurship. Regular updates and announcements will ensure timely dissemination of information, fostering greater participation and engagement.

6.3 Connecting with Mentors and Companies

The website will facilitate effective communication and networking opportunities between students, startups, and mentors associated with TBI. Through dedicated sections for mentor profiles, networking forums, and company directories, aspiring entrepreneurs can seek guidance, mentorship, and collaboration opportunities to further their ventures.

6.4 Registration and Application Process

An intuitive registration and application process for incubation within TBI will be implemented through the website. By providing clear guidelines and online application forms, aspiring entrepreneurs can easily apply for incubation and access relevant resources and support services offered by TBI.

6.5 Startup School Module

The inclusion of a startup school module will cater to absolute beginners in their entrepreneurial journey by providing tutorials, materials, and guidance on public policies, funds, and other essential aspects of entrepreneurship. This module will serve as a valuable resource hub for individuals aspiring to venture into the startup ecosystem.

The TBI website endeavors to serve as a dynamic platform for promoting entrepreneurship, fostering innovation, and facilitating meaningful connections within the entrepreneurial community. By leveraging modern web technologies and user-centric design principles, the website aims to fulfill its objectives of enhancing outreach, awareness, and engagement among students, entrepreneurs, mentors, and stakeholders associated with TBI.

Chapter 7

Conclusions and Future Scope

The TBI website holds significant potential to serve as a pivotal platform for promoting entrepreneurship, fostering innovation, and facilitating meaningful connections within the entrepreneurial ecosystem of Government Engineering College Thrissur. Here are the conclusions drawn from the project implementation and the future scopes envisioned for the TBI website:

7.1 Conclusions

1. Enhanced Outreach and Visibility:

The TBI website effectively showcases entrepreneurship initiatives, workshops, projects, and events conducted by the Technology Business Incubator. It enhances outreach within the college community and to external stakeholders, thereby increasing visibility and awareness about TBI activities.

2. Effective Networking and Collaboration:

By providing avenues to connect with mentors, companies, and aspiring entrepreneurs, the website facilitates effective networking and collaboration opportunities. It fosters an environment conducive to mentorship, guidance, and partnership building, crucial for the success of startups and entrepreneurial ventures.

3. Streamlined Registration and Application Process:

The intuitive registration and application process for incubation within TBI streamline administrative tasks and provide aspiring entrepreneurs with easy access to support services and resources. This simplification enhances the accessibility of TBI's offerings and encourages more participation from budding entrepreneurs.

4. Resource Hub for Entrepreneurship Education:

The inclusion of the startup school module expands the website's utility by serving as a resource hub for entrepreneurship education. It provides tutorials, materials, and guidance on essential aspects of entrepreneurship, catering to individuals at various stages of their entrepreneurial journey.

7.2 Future Scope

1. Interactive Community Forums:

Implementing interactive community forums on the website can foster a vibrant ecosystem of knowledge sharing, collaboration, and peer support among students, entrepreneurs, mentors, and stakeholders associated with TBI.

2. Virtual Incubation Services:

Expanding the website to offer virtual incubation services can cater to aspiring entrepreneurs outside the college premises. Virtual mentoring sessions, online workshops, and remote access to resources can broaden TBI's reach and impact on entrepreneurship development.

3. Enhanced Analytics and Reporting:

Integrating advanced analytics tools into the website can provide valuable insights into user engagement, content performance, and impact assessment. Data-driven decision-making can further optimize website content and functionalities to better serve the needs of its users.

4. Partnership Expansion:

Collaborating with industry partners, government agencies, and other educational institutions can enrich the offerings and opportunities available through the TBI website. Strategic partnerships can unlock new resources, funding opportunities, and avenues for growth for TBI-affiliated startups and entrepreneurs.

In conclusion, the TBI website represents a significant step towards fostering a vibrant entrepreneurial ecosystem within Government Engineering College Thrissur. Continual refinement, expansion, and innovation will be essential to realize its full potential in nurturing entrepreneurship, promoting innovation, and driving economic growth in the region.

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