A MOBILE SOLUTION FOR COORDINATING SYMPOSIUMS AND EXTERNSHIPS.

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Abstract: Externship and Symposiums coordinating Android App is created to make it easier for people who organize or participate in externship programs or Symposiums. With this app, organizers can conveniently develop new events with the help of fields like title, date, time, location, description, they can further change all aspects of an event via app. Also, through the application, organizers have the ability to send participants a reminder update or any important information that need to be communicated hence ensuring that everyone is made aware of what's happening. Participants in these events are allowed to share their thoughts about the activities and provide feedback that will help improve them. It is meant as a central hub for students, teachers/lecturers/professors to connect effectively. This application is a digital platform aimed at simplifying the organization of Externships and Symposiums. It incorporates several functions as well as features which help make event planning more efficient and easier by supporting every stage from its beginning till end. Venue arrangements have been greatly simplified using this application since its users only need to log in online thereby eliminating many manual coordinating efforts involved especially when making bookings for such resources as premises, equipment among other things.

Keywords – Externship coordination, Symposium coordination, Adding student details, Feedback system, Registration, Android application.

I. INTRODUCTION

Interconnected and fast-paced world of today necessitate effective management of Externships and Symposiums by educational institutions as well as students. Since it's difficult to organize, schedule, and track such activities, our mobile application presents a complete solution that will make them easier. Our application serves as a platform which is constantly changing and aimed at students who can easily find and enrol into Externships that resonate with their professional goals.

In addition to other features, our application is characterized by a user-friendly design and robust functionality that help increase productivity. For any Externship or Symposium related information, our app is the best place to access. Our goal is to make Externships and Symposiums easily manageable so that every involved party can easily develop professionally. This application is a one-stop solution that would enable colleges to post Externship positions for interested candidates to apply and select thus simplify management of Symposiums right from planning events, registering participants to creating feedback loop systems respectively. This way organizations get more quality time with interns and Symposium participants while minimizing time wastage and increasing efficiency. In this way it empowers interns through skills tracking for their growth progression while Symposium organizers have a tool of gamification at their disposal for making Symposiums lively.

Interns can find suitable seminars according to their work experience while continuing to learn. Conversely, Symposium organizers can use intern profiles to help identify interns that may be interested in attending their Symposiums, or even potential future employees for their organizations. It's like a win-win situation where the interns gain valuable skills and companies get in touch with already vetted personnel. Therefore, this app will make a big difference in how programs are managed, having many positive ramifications for all parties involved.

II. EXISTING WORK

The old way of managing Externship and Symposium events probably combined some manual procedures with software tools. This was done through calendars and other scheduling software used to determine dates, times, and locations of Symposiums as well as Externships. Gathering participant information was done through online registration systems or forms. Participants would have given feedback on the events that would have help in gauging the success of these activities hence better preparations for similar ones later.

It is also likely that there are existing systems performing various facets of Symposium and Externship management but only a few may be comprehensive. Some applications could be dedicated to tracking applicants for Externships while others generally support Symposium related logistics such as registration and scheduling. Meanwhile other individual apps address specific aspects of Externship & Symposium management which has resulted in a fragmented field.

Tools for keeping track of Externship applications, scheduling Symposiums among other activities and managing projects are a few examples. This approach creates impracticable workflows for organizers who find themselves having to manage different platforms and communication channels in their daily tasks. The application is meant to be an integrated workspace for managing Externships and Symposium. It doesn't necessarily eliminate the existing tools but instead offers a single platform that combines their functionalities. You can think of this application as a central hub that makes things simple, eliminates multiple logins, and improves intercommunications across the entire system of Externships and Symposiums.

2.1 DISADVANTAGES

It includes the following drawbacks to this system:

- Fragmented Information:

One of the greatest disadvantages of this system is the information fragmentation. Students have to go through many sources before finding if there are any relevant opportunities which could lead to confusion and possibly losing valuable experiences.

- Manual Processes:

Relying on manual processes like paper-based applications, posters and email communications which leads to a much more inefficiencies, data loss as well as increased administrative workloads for students and their colleges. These manual systems are time-consuming, and are prone to be full of errors, misrepresented data as well as inability to automate these types of tasks efficiently.

- Communication challenges:

The lack of centralized communication channels has been a big challenge in the university. This has made it hard for students and college staff to know about their application status, event details, and important announcements. This can lead to misunderstandings, missed due dates as well as logistical hurdles that may come up during event plans.

- Data Management Issues:

Difficulties associated with managing participant information, keeping track of application statuses and generating reports are caused by the use of different systems as well as manual data entry. As such, this may culminate in data discrepancies thus complicating data analysis and reporting.

- Limited Feedback Mechanisms:

However, without dedicated feedback mechanisms, it is challenging for college staff to gather insights into the effectiveness of Externships and Symposiums. Hence, they cannot gauge whether participants are satisfied or not, areas that require improvement or even make good choices on subsequent happenings.

III. PROPOSED WORK

The proposed system for the Externship and Symposium Event Management mobile application is aimed at providing one unified platform where Externships and Symposiums can be easily managed and organized. This application seeks to fill any gaps left by the current system by incorporating all necessary features into one mobile package that can be used by both learners and employees.

The application will serve as a convenient one-stop portal where students can easily find detailed information about all the available Externship and Symposium opportunities. This kind of listing of comprehensive material will provide a complete description, application deadline and qualification criteria in one place. The application would offer an easy way to apply for Externships and Symposiums automatically with students easily being able to use the interface. These below are some of the areas covered by this project:

3.1 SYSTEM ARCHITECTURE AND DESIGN

A diagram of an Externship and Symposium event management app is shown here that illustrates how two main users, admin and student interfaces with a Central Database i.e., Firebase.
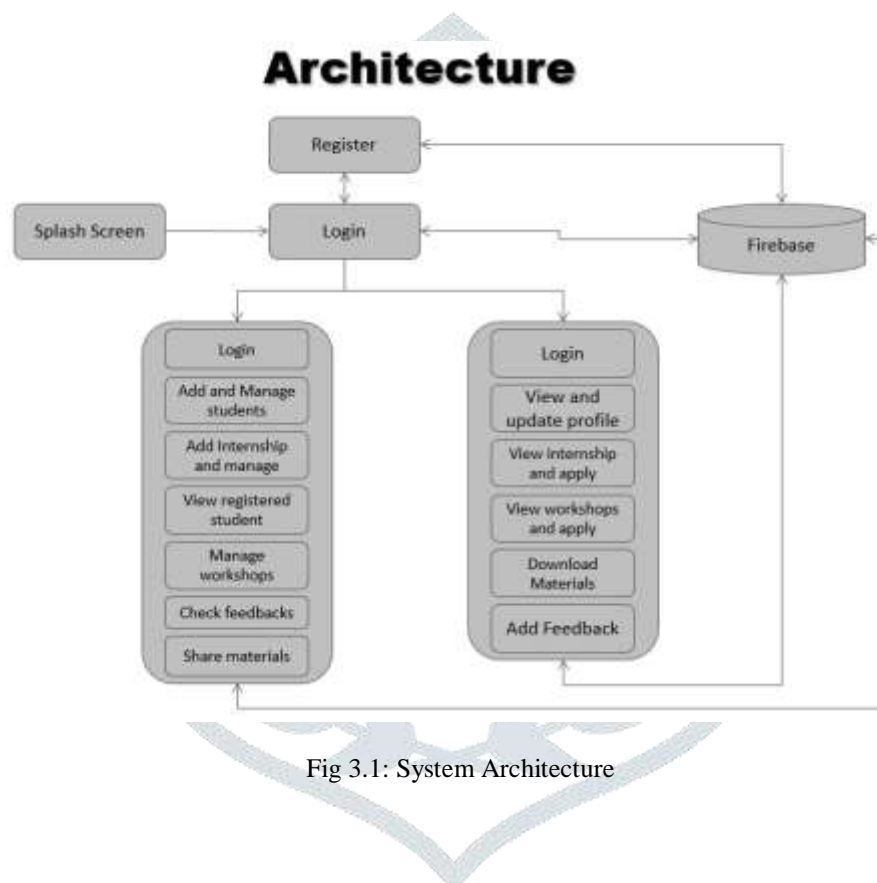

Fig 3.1: System Architecture

- Multiple users and data:

As the number of interns, Symposium attendees, program administrators grow up, system should be capable enough to manage growth without degradation in performance.

- User Interface (UI):

Designing intuitive and user-friendly interfaces for Admin and students that would make sure and guarantee smooth navigation across the application.

- Modular architecture:

Easier addition of new features or alterations to existing ones can be done if the software has a modular architecture.

3.2 MODULES:

Admin Module:

The admin module is provided with these functionalities:

- login: Admin can login into application to access their functions.

- Manage Student Details: Add student's details such as name, roll number, phone number, year, branch.

- Manage Externships and Symposiums: Add Externships and Symposiums details such as title, description, time, venue etc.

- Viewing feedback: Admins can view user feedback and ratings.

- Send Notifications: This is to send important notifications to the students.

- View Registered Students: Admin can view who applied for Externships and Symposiums.

- Logout: Admins can logout using logout button on the menu.

Student Module:

The student module is provided with these functionalities:

- Login: There should be Secure login functionality for students with their username and password.

- View Externships: An easy-to-use interface which displays a number of available Externships and Symposiums.

- Edit Profile: Details like Name, Roll Number, Phone Number, Year, Branch, etc. can be edited by a student accordingly.

- Application Management: A student's ability to apply for Externship or Symposium online needs to be simplified through streamlining process.

- View Notifications: Students should have access to program updates, deadline information, application status changes and other important information from administrators.

- Give Feedback: To get feedback from the students you may consider using a rating system as well as open-ended questions. The feedback could include both quantitative as well as qualitative aspects concerning experiences at an Externship or Symposium.

- Logout: Students can logout via the logout button.to see queries from learners in order to reply them promptly.

3.3 ADVANTAGES:

- Improved Accessibility: This app, through the consolidation of information and processes, enables students to easily reach Externship applications and Symposiums, thus they do not miss out on any valuable opportunities due to sources being disjointed.

- Efficiency And Automation: In this regard, the college has automated workflows for applications and event management thus reducing manual effort and administrative burden for both students as well as its staff.

- Enhanced Communication: Here the Communication is improved by real-time messaging and notifications which minimize the possibilities of any miscommunication while ensuring that every participant is aware of everything.

- Better Data Management: The app is packaged with an integrated system that ensures consistent and accurate data management thereby making tracking applications, management of the data of participant and report generation easy.
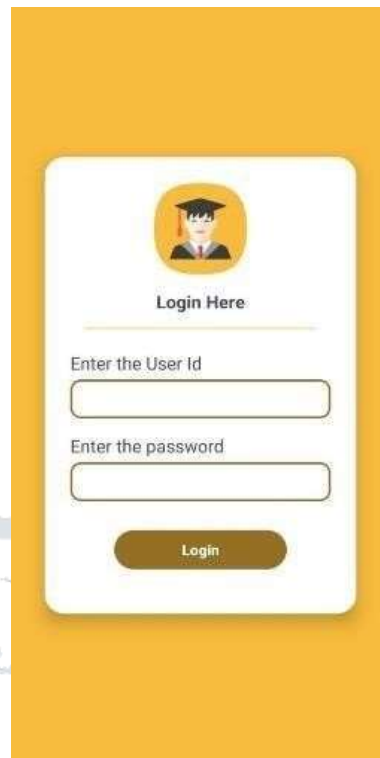
IV. RESULTS AND DISCUSSIONS

Fig 4.1: Common Login Page

This is the login page for admin and it is similar to the students as well. These are the two modules involved in this application. this page we can see that there are two columns to be filled which are user id and password.
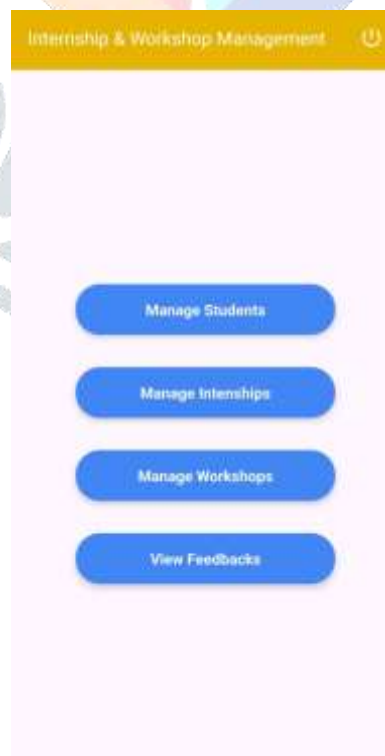
Fig 4.2: Admin Dashboard Page

This is the main page on the admin side of the application where we can manage student, Externship and Symposium details and can also view the feedback provided by the students about an event which can be helpful in managing an event in the future. We can also see there is a button provided in the top right for logging out of the application once the required work is properly completed and checked.
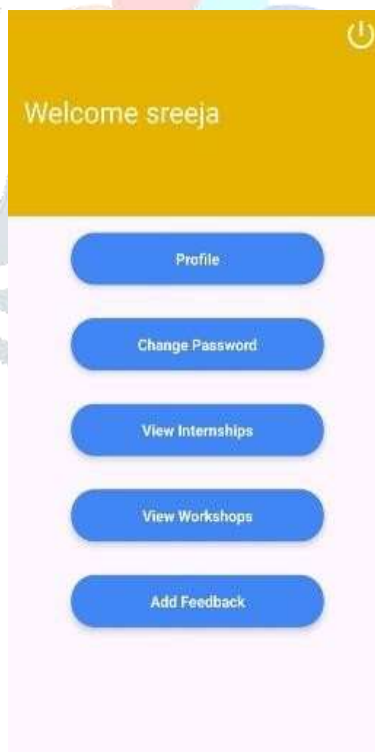
Fig 4.3: Add Externship Page

This is the page that appears when admin clicks on the manage Externships button. In this way admin will be add the details of Externship, which is similar to that of Symposium and student details. In here we get add the company name or institute name, time period of the Externships in months, contact mobile number of the organizer, contact person name and the address where the Externship or Symposium will be held. In this way the student can get to know the basic required details while viewing the available Externships and Symposiums to apply.

Fig 4.4: Student Dashboard Page

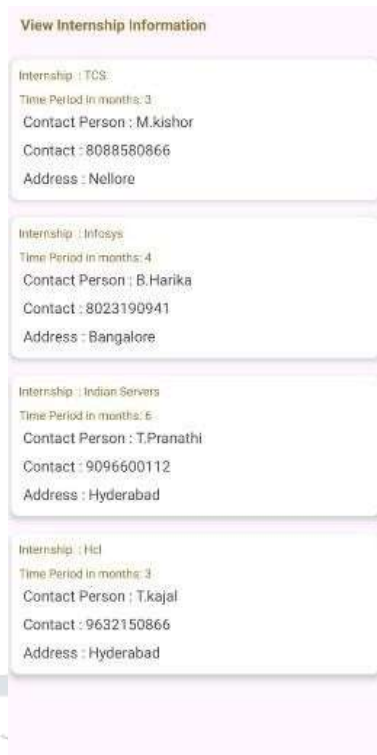This is the main page on the student side of the application where we can edit student profile where they can change their personal details, change the default login password provided to their choice, view Externship and Symposium details and by clicking on them, they can apply to the Externship or Symposium after choosing from those available and can also provide the feedback about an event that is useful in further event management. We can also see there is a button provided in the top right for logging out of the application once the required work is properly completed and checked just like the one in admin side.

Fig 4.5: View Externship Information Page

Once clicked on the view Externships button the student gets to see this next page where they can view all the available and choose which one to apply with all the necessary information provided.

Fig 4.6: Add Feedback Page

After attending any event (i.e, either Externship or Symposium) student can provide anonymous feedback about that particular event, so that admin can check and plan future events.

V. CONCLUSION

The programming of our app for managing Externships and Symposiums goes beyond simple scheduling. Interns and attendees can share their work, receive feedback, and engage in discussions that deepen knowledge and ignite creativity. A participatory approach is adopted for continuous progression of both participants and upcoming programs with the help of this application. Download this app today and boost your Externships and Symposiums.

Our Externship and Symposium management app does everything from setting up a program to communicating about it. Get the app now; unburden yourself from administrative tasking and concentrate on wholesome Externship plus Symposium encounters. In other words, an Externship and Symposium management app are an all in-one solution! Imagine a world where you can effortlessly manage intern applications, schedule Symposiums and receive real-time progress updates.

The Feedbacks provided keeps the management informed about the event even long after the program ends. This, in turn, encourages collaboration and sparks new ideas. Download the app today and transform your Externship and Symposium experiences from streamlined organization to a culture of continuous learning.

VI.　FUTURE SCOPE

The future potential of our Externship and Symposium management app is unlimited! There is an opportunity to include AI in order to recommend materials relating to Externship projects or themes of Symposiums. Consider real-time discussion threads analysis that can identify common challenges as well as suggest solutions. Probably, we could start incorporating gamification features like awards and points for motivation purposes among interns and attendees, or virtual reality elements that would facilitate immersive learning experiences, could be implemented too.

Other than that, they could also enroll in courses arranged by artificial intelligence (AI) using their personal preferences and learning purposes.

Additionally, we are also considering gamification as a new way to incentivize engagement through various badges and leaderboards for tasks completion or participating in discussions. Otherwise, it might incorporate virtual reality elements for example through which participants can take part on the various interactive Symposiums from any part of the world without being there physically. Because of this, our application is constantly updated so you can design more advanced Externship and Symposium events.

Hence, our application will always remain at the forefront of Externship and Symposium management while bringing in richness to each user's experience in it. Additionally, Externship and Symposium management app brims with potential! We can imagine integrating AI into it so that it can be personalized according to individual needs. Just picture interns receiving real-time feedback analysis highlighting their strong points and suggesting focused resources for them to use.

VII.　REFERENCES

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