

Student and Faculty Achievements Retrieval System

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Abstract—This work allows users to retrieve information about student and faculty achievements. The Student and Faculty Information System (SFIS) is an Android application designed to streamline administrative, faculty, and student interactions within an educational institution. Admin functionalities include adding faculty members, viewing student records, and adding achievements, publications, and placements. Faculty members can add students, achievements, and publications and view student information. SFIS enhances efficiency by providing a centralized platform for managing academic data, facilitating communication, and promoting transparency among stakeholders. With user-friendly interfaces tailored to each role, SFIS promotes seamless administrative processes and empowers faculty and students to track and showcase their academic progress and accomplishments effectively.

Index Terms— Kotlin, faculty achievements, student achievements, student retrieval system.

I. INTRODUCTION

The objective of the Student and Faculty Information System (SFIS) project is to develop a comprehensive Android application that enhances the efficiency and effectiveness of academic processes within educational institutions. SFIS aims to achieve this by providing administrators with tools to streamline administrative tasks, such as faculty management and student record-keeping. For faculty members, the system facilitates easy management of student data, achievements, publications, and placements. Students benefit from increased transparency and accessibility to their academic information, including achievements and placement opportunities. Overall, SFIS aims to create a centralized platform that promotes collaboration, communication, and productivity among all stakeholders in the educational ecosystem.

II. LITERATURE SURVEY

In their paper [1], the author presents a study on a department management system utilizing a mobile application to streamline departmental operations. The app includes features for task allocation, communication, document management, and event scheduling. However, the study does not specifically focus on the user's roles or integration with existing systems.

In article [2], the author discussed a mobile application aimed at enhancing collaboration within departments. The app incorporates features such as real-time messaging, task tracking, and document sharing. However, it does not delve into the specific functionalities for different user roles or document management.

In their paper [3], Gupta et al. present a mobile application for departmental collaboration and communication. The app offers features such as task assignment, real-time messaging, document sharing, and event scheduling.

The study emphasizes the importance of effective communication within departments but lacks a comprehensive exploration of user roles and event management functionalities.

In a paper [4], Chen et al. propose a mobile-based department management system that includes document management capabilities. The system allows for document sharing, version control, and access control among department members. However, the study does not elaborate on the specific functionalities related to task allocation, communication, or event scheduling.

In a paper [5], the author presents a mobile application development for department management. The smart department app is in the proceedings on international.

In paper [6], the author presented a study that proposes a smart college using the Android app, and it helps us to share the data between the college admin, faculty, and students. The faculty can upload or modify the documents for any semester or department as desired.

This literature survey proposes an effective Android application named the MEE app (Mobile Engineering Education application) for an easy teaching and learning process. Students in high school spend more time with social media, gaming, and other mobile applications. Through this research proposal and implementation, the students are encouraged to use educational mobile application software on their smartphones, and therefore, it can result in maximum gain and quality long-term learning outcomes.

This literature survey introduces the study, which will use a qualitative data collection method from the previous research paper as a reference to be observed. The results of this research are a paper that can help the final project later and will also be a reference for another journal that talks about the same object. Then, this study is to explain the benefits of applying for a smart campus for teaching and learning activities.

This literature survey provides information about how the administrator, faculty, or student will perform all the tasks in a very easy and more convenient way. The application offers reliability, security, time savings, and easy control. Also, students can view details and notifications anywhere and anytime. The application will greatly simplify and speed up the result preparation and management processes. The proposed system will determine the work time of the administrator as well as the faculty. This will bring more perfection to the work.

This literature survey provides high security and a system that reduces the work and resources required in traditional processes. The proposed system provides a new way of computing and is operated with a responsive and attractive user interface. Thus, based on a literature survey and by analyzing the existing system, we have concluded that the proposed system will not only aid the automation of the college but will also help to digitize the system, and in turn will help to deploy resources efficiently.

III. PROPOSED METHODOLOGY

All the activities of the system is shown in figure1.

Admin: The admin module of the proposed system allows administrators to efficiently manage various aspects of the academic environment. Administrators can easily add new faculty members to the system, view student profiles for administrative purposes, record student achievements and publications, and manage placement opportunities. This comprehensive functionality empowers administrators to oversee and facilitate the academic progression of both faculty and students effectively.

Student: The student module enables students to access vital information regarding placement opportunities, view their academic achievements, and explore published works. With these features, students can stay informed about potential career prospects, track their academic progress, and engage with scholarly publications relevant to their studies.

Faculty: The faculty module enables faculty members to manage student records by adding new students to the system. Additionally, they can record student achievements and publications, providing a comprehensive overview of student accomplishments. Faculty members can also view student profiles, facilitating effective academic mentorship and support.

IV. RESULT AND DISCUSSION

The Result and Decision is Android application for student and faculty information management offers a comprehensive solution to enhance the academic environment within the college. By dividing functionalities into three modules - Admin, Student, and Faculty - the application ensures tailored access and efficient management of academic data.

For administrators, the Admin module provides a robust platform to oversee various administrative tasks such as faculty management, student profile viewing, record-keeping of achievements and publications, and managing

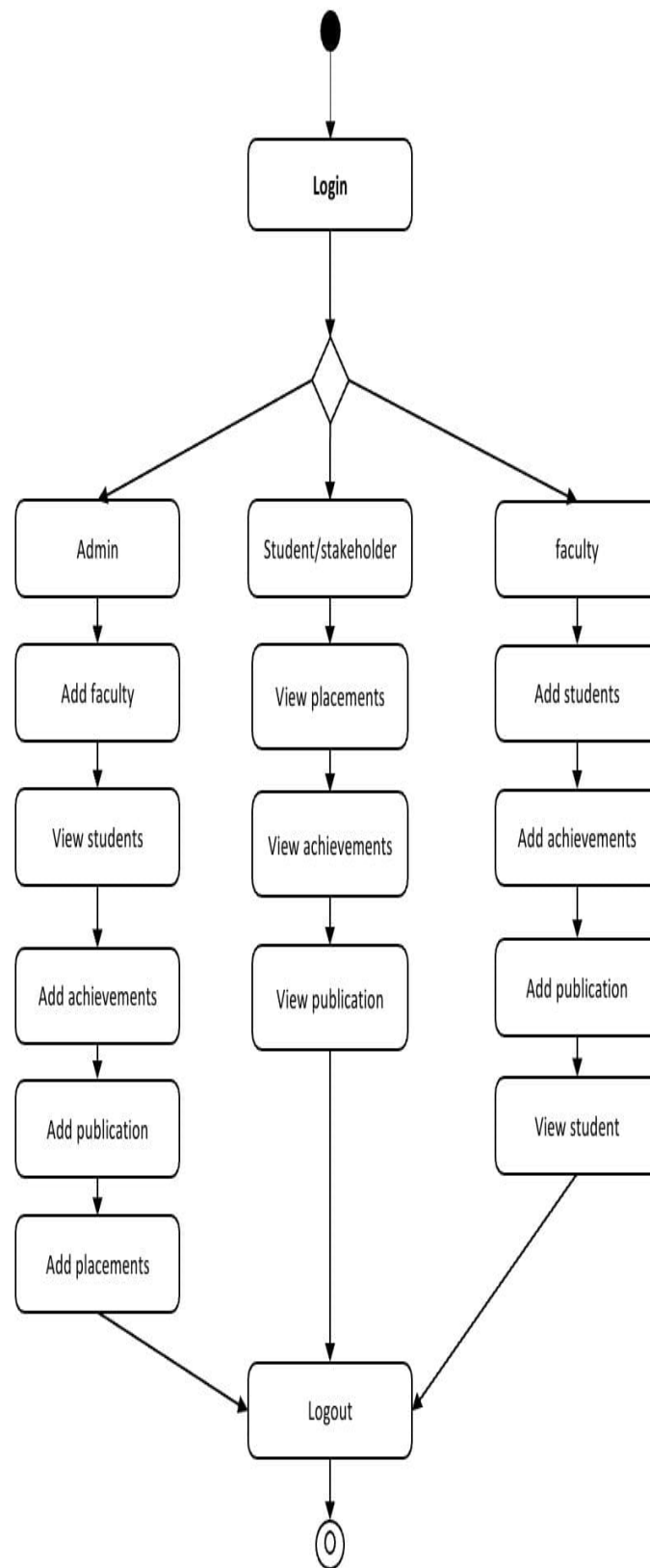


Fig 1: Activity diagram

placement opportunities. This centralized control empowers administrators to streamline academic processes effectively. This is shown in figure 2.



Fig 2: Admin page

Students benefit from the Student module, gaining access to critical information on placement opportunities, academic achievements, and published works. This empowers them to stay informed about career prospects and track their academic progress, fostering a proactive approach to their education and career development and it is shown in figure 3.



Fig 3: Student page

Similarly, the Faculty module equips faculty members with tools to manage student records, record achievements and publications, and provide mentorship and support by viewing student profiles. This enhances academic mentorship and ensures efficient management of student-related tasks and it is shown in figure 4. Overall, the implementation of this Android application promises to improve administrative efficiency, enhance student engagement, and facilitate effective academic mentorship, ultimately contributing to a more conducive learning environment within the college. The decision to proceed with the development and deployment of this application is justified by its potential to streamline academic processes and improve overall academic outcomes.

V. SCOPE

The scope of the Student and Faculty Information System (SFIS) project encompasses the development of an Android application tailored to the needs of administrators, faculty, and students within educational institutions. It includes features for managing faculty information, student records, achievements, publications, and placement opportunities. The system aims to streamline administrative processes, enhance communication, and empower users with easy access to essential academic data, fostering a more efficient learning environment.

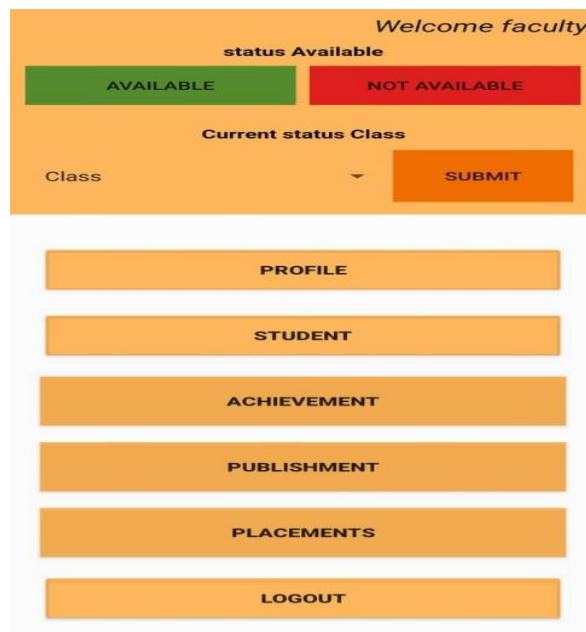


Fig 4: Faculty page

VI. CONCLUSION

In conclusion, the Student and Faculty Information System (SFIS) represents a significant advancement in academic management within educational institutions. By providing administrators, faculty, and students with a comprehensive platform for streamlined communication and efficient data management, SFIS enhances transparency, collaboration, and productivity. Administrators can seamlessly manage faculty, student records, achievements, publications, and placement opportunities, optimizing institutional resources. Faculty members benefit from simplified student management, allowing them to focus on academic mentorship and support. Meanwhile, students gain access to vital information about placement opportunities, academic achievements, and scholarly publications, empowering them to actively engage in their educational journey. Through its user-friendly interface and robust functionalities, SFIS fosters a cohesive educational ecosystem where stakeholders can effectively collaborate, innovate, and thrive. Moving forward, SFIS stands poised to revolutionize the educational landscape, enriching the learning experience for all involved.

REFERENCES

- [1] Wasim Haidar S.K., Wilfred Blessing N.R. Prashant Johri, Surendra Pal Singh, and Sutherlin Subitha G. EEapp: An Effective Application for Mobile-Based Student-Centered Learning Systems, 2019
- [2] Evaristus Didik Madyatmadja, Natasha Anugrah RoitoNoverya, and Asprina Br Surbakti Feature and Application in Smart Campus, 2021
- [3] Suman Chatterjee, Manish Kumar Thakur Smart Collage Management System, 2019;
- [4] Anil Kumar Kadam, Aradhana Singh, Komal Jagtap, Srujana Tankala, Mobile for College Management System, 2021
- [5] Mrs. M.S. Malkar, Pankaj R. Gopalani, Gauri N. Basutkar, Raj D. Garud, and Prachi P. Rukari, An Android Application for Smart College, 2018.
- [6] Vishwakarma R. Ganesh, "Android College Management System," "International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)," Volume 5, Issue 4, April 2016.
- [7] Pooja Naik, Kavita Kattimani, SuvarnamalaDivate, and Sadhana K. Amaresh Patil and Praveenkumar Hadpad "Android Application for College Management" ISSN: 0976-1353, Volume 14, Issue 2, April 2015
- [8] S.R. Bharamagoudar, Geeta R.B., and S.G. Totad, "Web-Based Student Information Management System," June 2013, ISSN: 2319-5940
- [9] Li, I.H., Wu, P.J., Lin, Y.L., Xu, H.L., and Xie, J.W., 2018, April. "GoNote": An aided learning note APP. 2018 IEEE International Conference on Applied System Invention (ICASI) (pp. 550-553) IEEE.
- [10] Kumar, S., Kumar Sharma, S., and Dagwar, D., 2018, February. Android-based College Campus App. 2018 Second International Conference on Computing Methodologies and Communication (ICCMC) (pp. 328-333). IEEE.