ADMISSION MANAGEMENT SYSTEM

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***Abstract*— The school admission management system is software application that are designed to make admission process easily. It is an user friendly platform, easy to understand for less educated people. It helps student or parent to apply for admission online and upload required documents. This system helps school staff/admin to check applications, select student and maintain record in systematic way. It saves time and makes the admission process faster. This system reminds student about their fees, exam, holiday, PTM or other notice. It improves accuracy, easy data management, mobile application support and multi-language support.**

***Index Terms*— Software Application, Student/Parent Interface, User-Friendly Platform, Fees Reminder.**

INTRODUCTION

In today's busy life style people still have to wait outside school for admissions. Parents and students also face problem such as standing in long queue, fill forms multiple time, but not knowing the admission status. This is very time consuming and do a lot of mistakes during the process. The Admission Management System helps in Allows a student to fill application forms online and then submit it. They also submit their necessary documents like passport size photograph, certificates, and mark sheets, along with the identity proof. The Admin can view the application forms and approve or disapprove them. He can also provide marks for the students. If he is asked to provide marks for a class of students, approved, an email will be sent to the Student's email ID and the admit card can be downloaded from the student's account. The students can further view their results. This system helps in reducing the manual efforts and consumes less time. It manages online application submission, student data collection, document verification, and merit checking. Admission status can also be tracked. Minimizes paper work and hence reduces errors, saving much time of administrators and applicants. Schools can keep central records, generate reports, and ensure transparency in the whole admission cycle. Now, with every facility available online, it is easier for parents and students to apply online and upload documents online. The difficulty with written data, be it in any form, lies in its possibility to be duplicate and redundant with low security assurances to sensitive information and has a higher probability of being leaked. The greatest challenge that a writing-based admission management system will encounter is the loss of important data and documents. getting lost. It is therefore quite important to manage and maintain records without being dependent upon unreliable system However, most of the college Computer admission system management methods are outdated that result in heavy work pressure for staff members. This method will prove to be beneficial for teachers as it will reduce documentation work as such:The system may eventually eliminate much of the documentation required well as reduce time.

LITERATURE REVIEW

School admissions are one of the very important administrative functions, which traditionally involve many processes such as heaps of papers, manual record-keeping, and repetitive tasks. During the last decade, research has been increasingly carried out in the design and development of automated systems for

admitting students to schools that could help reduce administrative burdens, increase efficiency, ensure accuracy, and provide better access. Early works by Sharma & Gupta, 2012, demonstrated the inefficiency in the manual mode of admission at educational institutions, including redundancy, high error rates, and the length of time it took to process documents. They thus suggested that for better management and keeping of student records, computerized systems should be employed to automate tasks at a simple level, like form filling and document verification. These base insights provided a platform for higher technological advancements. With the development of database technologies, Khan & Jamal (2015) outlined the development of an admission management system through relational database models. According to the outcomes of the study, it was obvious that database technologies play an important role in centralized data storage and updating facilities. Nevertheless, challenges such as training users and migrating data from old systems were outlined in the investigation. Cloud computing technologies and other web-based technologies broadened the breadth of study even further. In their study "Proposal of Web-Based Admission Portal for Improving Admission Process of a Self-Financing University in General," Reddy & Rao (2018) presented their proposed admission portal to be developed using cloud computing technologies to allow applications through online platforms for admission of students into their university. The proposed study highlighted how this is beneficial to improve admission in geographically dispersed locations for their university in India while also being applicable internationally in geographically dispersed locations for their university. Researchers have also noted and emphasized the significance of these systems since they aid in streamlining the whole admission process. Literature indicates some of these systems are internet-based and can aid applicants in submitting their application forms as well as tracking their status at any given time without physically visiting schools. Various scholars have discussed the significance of databases to ensure secure storage of student information and accurate records. Three major benefits related to merit calculation and student eligibility have been identified. These are related to reducing biases and ensuring fairness. Efficient and faster decision-making and, further, communication through emails/SMS have also been identified. Security and data privacy are also significant areas that were considered in recent research studies. It has been noted in literature that incorporating data access control based on roles as well as storing data in encrypted formats improve the reliability of a digital admission framework, along with other benefits like protecting student information that needs to be kept private. It has also been noted that automating admission processes that were conducted manually also reduces the workload of personnel, allowing them to focus more on planning academic sessions. Recent research advocates the implementation of computerized and web-based admission systems to overcome such problems. In fact, researchers have pointed out that centralized databases have improved data accuracy with reduced redundancy and helped in effective record management. Automation of the processing of applications, verification of eligibility, and selection based on merit reduces the administrative workload and processing time considerably.

The works of several authors highlight how online application platforms have been able to advance principles of access and convenience for the applicant. Application tracking in real time and automated notifications enhance communication between the applicant and the institution, as stated by Verma (2022). Data security and privacy remain a key issue in the literature; secure authentication and control mechanisms based on role-based access are emphasized.

NOVELTY OF THE PROPOSED SYSTEM

The proposed School Admission Management System introduces a new, student-centric model of admission management, extending beyond conventional admission software by focusing on accessibility, inclusivity, and proactive communication. While conventional systems basically digitize application forms, this system is designed to actively support applicants, parents, and school administrators throughout the entire admission life cycle. It is important to highlight that the innovation in the proposed admission system is the multi-language feature, which is used to overcome an important limitation in current admissions systems worldwide, as many admission platforms use only one language to communicate and handle user requests, which is an important restraint for many parents and students from different linguistic backgrounds to communicate more effectively and avoid common mistakes due to linguistic miscommunication and misunderstanding,

and that is an important factor in regions where linguistic diversity is common and widespread. It is important to highlight that the innovation in the proposed admission system is the multi-language feature, which is used to overcome an important limitation in current admissions systems worldwide, as many admission platforms use only one language to communicate and handle user requests, which is an important restraint for many parents and students from different linguistic backgrounds to communicate more effectively and avoid common mistakes due to linguistic miscommunication and misunderstanding, and that is an important factor in regions where linguistic diversity is common and widespread.

Research Methodology

The objective of the study is to identify the information communication technology infrastructure that is already established in the schools for the implementation of the information management system. The descripting research was conducted prior to the installation of the management information system in schools. The primary and secondary schools in the Hyderabad division were the focus of the study. The respondents of the study included both public and private schools. The data collection was conducted using a questionnaire. The first part of the questionnaire sought demographic information of the respondents. The second part of the questionnaire sought information on technological resources that can be employed to develop an information system and the preferences of managers and principals. Most of the questions in a questionnaire are liker scales, ranging from strongly agree to neutral to strongly disagree. The managers and principals of the schools who were employed as administrators constituted the population of the study. This system has the ability to integrate all the media content into the systematic resources, such as a whole web-based course for a school or a theme website.

CONCLUSION AND FUTURE SCOPE

The School Admission Management System eases the process of admission in various schools. It also makes the process faster and more organized for both the school staff and the parents. This system helps them in clear understanding of the process of admission by providing support in various languages, reminders on a day-to-day basis, as well as through the use of mobile phones. This helps them in avoiding confusion in filling out the forms as well as in completing the process on time. This system also helps in minimizing errors in the process of admission. As for the future of this system, various improvements can be incorporated in the system to make its functioning more efficient in the coming times. For example, the system could incorporate online payment of fees as well as document verification to make the process more efficient. It could also incorporate intelligent dashboards for schools, real-time tracking of admissions to schools, as well as chatbot support to address queries. It could also be extended to encompass more schools on a single platform.

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