

Auto Remainder System For Institutional Scholarship

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Abstract — The SAR (Scholarship with Auto remainder) tool may be extremely supportive to scholars community. This system resolves economically poor student's struggles regarding their scholarship application and updation. Educational Foundation may post a list of its scholarships, some are specific to college, and some can be used at any accredited institution. This system provides the facilities to effectively interact with student. This system stores the effective feedback of student. The administration offers the conveniences to crack the problem and rectify the same through an outstanding communication. User centric auto remainder for the scholarships was the major role in this project.

Keywords — Online registration, E-commerce, Auto remainder system, Institution scholarship.

I. INTRODUCTION

In Education sector, globally students are being supported in their education through scholarships for higher learning which is an important aspect of government's effort to assist students at all levels to allow them afford the basic needs that mount up during their studies. Additional paperwork for the review of entire scholarship entries manually may cause a delay in the entire course of action. The main principle of this project is to develop Auto remainder system for institutional scholarship which can easily facilitate the process of various scholarship applications widely. The students can able to apply to a large number of scholarships applicable to each individual. They need to apply for scholarships explicitly illustrating their qualifications and eligibility criteria for the scholarships they apply. There are various criteria to satisfy when a student applies for a scholarship like candidates academic ranking, based on community, stipends on submitting proposal or projects at state level and national level. Apart from this academic criterion, many more factors are also concerned such as family's financial status, annual income of parents/guardians. But the majority of criteria are based on student's merits and other academic performances.

II. LITERATURE SURVEY

Many organizations initiated the process of applying student's scholarship at online mode. In

this connection, [1] describes "Development of E-Scholarship System-2016": Scholarship is a critical tool to facilitate education for eligible candidates, especially those who are socially and economically challenged in the state, or financially backward. Hence, to bring them on to the development track, such architecture is initiated to support needy students at wider range. Nigeria State Scholarship Board [5] processes large amount of scholarship applications every year. Processing these applications is always time consuming task. As mentioned, an e-Scholarship System [5] was designed and implemented in order to allow students of Niger state indigene across the country to apply for scholarship easily at online with the Niger State Scholarship Board support. The system was designed Using Object Oriented Analysis and Design (OOAD) methodology. The application was developed using Hypertext pre-processor (PHP), AJAX, JavaScript, Hyper Text Mark-up Language (HTML) as the front end and MySQL database as the backend. Thus, the E-scholarship system provides online application as solution to the existing difficulty and saves time exceedingly. It also sends notifications using SMS alerts and emails to every user respectively on the progress of application in a timely and transparent manner. As a real time example [2] describes the factual procedure "Online Scholarship Application System" to apply the same. The University of Wisconsin-La Crosse deals with a large number of scholarship applications. In fact, Range of five to eight thousands applicants every academic year. Nevertheless, processing these applications is really a time-consuming assignment, due to their contemporary paper-based composition. At present, applicants have to fill out their forms and submit them manually to the office. If there is any problem with their applications while they are processed, it will also take extra time for both the reviewing committee as well as the applicant to communicate and correct the errors. Finally the corrected applications are forwarded to the respective blocks at higher section.

III. RELATED WORK

Several contemporary systems have the drawbacks of manual work. These system has to keep tracks of various records for enquires of the student, their details, their eligibility, etc. After

completing the work, they kept inform the clients about resolved work, which is exceedingly time consuming work.

Manual system or any Paper-based method is what is used in the entire scholarship application and managing scholarship applications. This manual method is faced with the following challenges:

A. Time Consuming Work

Proper evaluation of manual processing method which is currently in use reveals that lots of time is wasted during the processes involved in processing student’s application. This includes the communication between various parties (applicant, screening committee members and committee chairman) which involve a lot of paper work. Sometimes, an error in the application may cause the paper to be sent back to the previous processing step which may further delay the processing of the application.

B. Prone To Errors

Few process involved in compilation of students applications are scrutiny of applicants, preparing and publishing provisional list and also to publish final list, the possibility of errors which cannot be ruled out, further attempts to rectify the errors identified, typically lead to delay in the entire process of awarding the scholarship and disbursement of funds to corresponding beneficiaries.

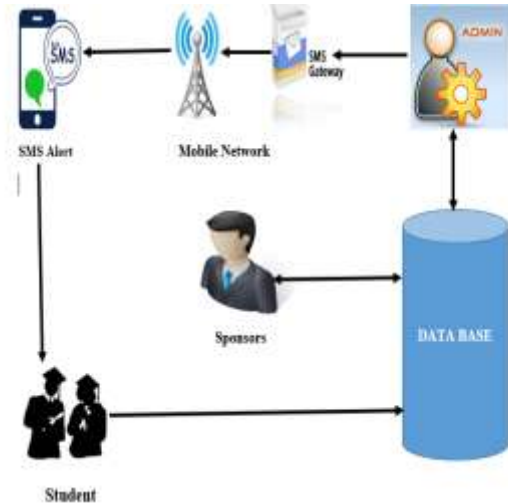
C. Scam

Now a days, there is also the case of fraud whereby some dishonest staff of the board guarantee that they can get the scholarships for the applicants or award them scholarship in exchange for an advance fee. With these, many applicants have fallen victims of these corrupt officials.

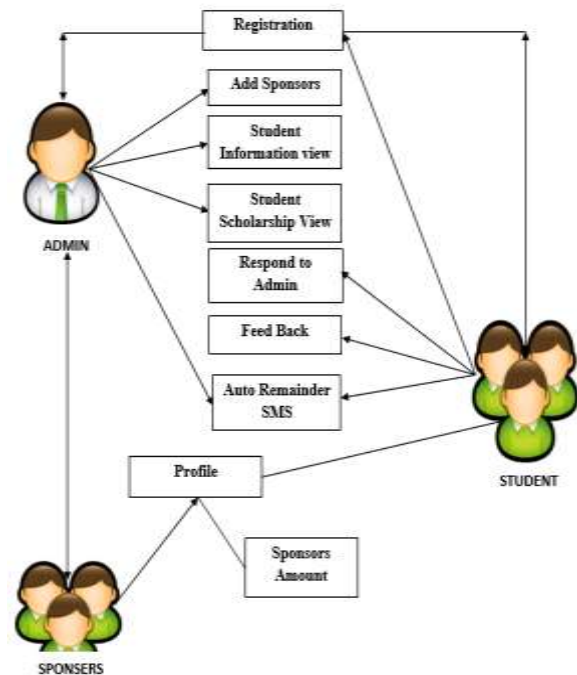
IV. SAR (SCHOLARSHIP WITH AUTO REMAINDER) SYSTEM

The main drawback of overwhelming of time at manual work is reduced here. Student’s information whichever is necessary to apply and about the scholarship constraints are also flattened and simplified in this system. This system requires computerized process. The management may have best relationship with the student community through their feedbacks to improve their concern with relative suggestions from various different users.

A. Architecture Diagram



B. Flow Diagram



C. Advantages of SAR Architecture

- Advantages of SAR Architecture Providing Auto Reminders to registered candidates as per their requests.
- SAR architecture includes Short Time Process using digital data sets.
- Computerized process also supports to maintain the entire Record easily.
- SAR tool enhances best communication with the student via frequent reception of their timely request.
- Effective Feedback system is introduced and maintained at admin level to control and coordinate overall process by updating progressive changes.

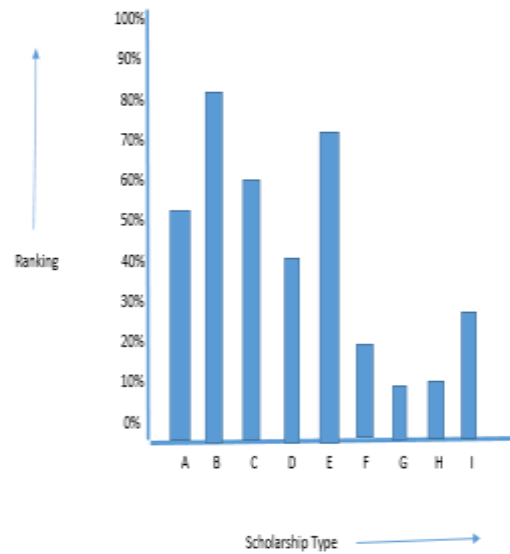
D. Module Description

There are three modules define in the SAR system.

a. Student: Student will login in their website. Then the student register their scholarship type. Then an admin will response to the student. If needed students can give their feedback.

b. Admin: Admin will login for the process. If needed they will add the sponsors. They can view the student's information and they will automatically generate a remainder.

c. Sponsors: There is a separate login for sponsors. Only the particular sponsors can access their module.



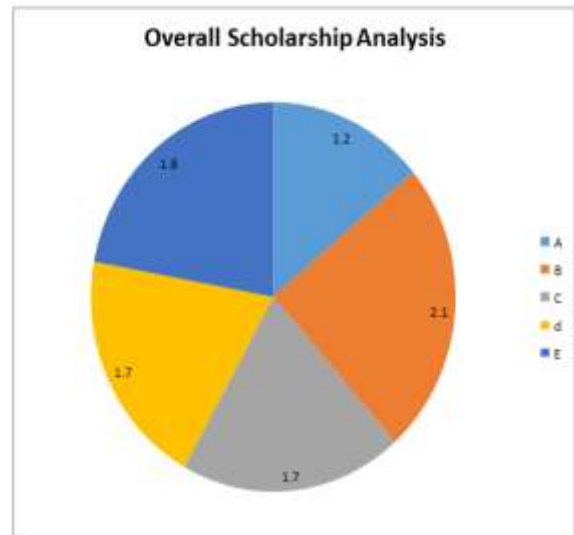
V. RESULT AND DATABASE DESIGN



- A: Farmers scholarship
- B: SC, ST (Chief Minister Award, Prime Minister Scholarship)
- C: Central Sector Scheme of Scholarship (BC, MBC, SC, ST)
- D: Tamil Nadu Educational Trust
- E: BC, MBC
- F: Labor Well fair Scholarship
- G: Railway Scholarship
- H: X-Service Scholarship
- I: Minority scholarship



VII. OVERALL SCHOLARSHIP ANALYSIS



VI. PERFORMANCE METRIC OF SCHOLARSHIP

- A- Minority scholarship
- B- SC, ST (Chief Minister Award & Prime Minister Scholarship)
- C- Railway Scholarship
- D- X-Service Scholarship
- E- BC, MBC

VIII. CONCLUSION

In this Architecture, an advanced Auto Remainder system for Institutional Scholarship has been implemented that replaces the earlier paper-based manual method. The Auto Remainder system for Institutional Scholarship allows students to apply scholarship in online mode irrespective of their geographical locations and also provide them with effective feedback services for enhancing further arrivals of records from various students.

REFERENCES

- [1] Development of E-Scholarship System – Mohammed Abdullahi Jibrin et al./ (IJCSIT) International Journal of Computer Science and Information Technologies, vol.7(2),2016.
- [2] S. Wen-Kai, “An Online Scholarship Application System”, M.Sc.Thesis, University of Wisconsin-La Crosse, La Crosse, Wisconsin,2011.Pp.210.
- [3] B. Sanothimi, “A Study on Scholarship Management and its Effectiveness in terms of Enrolment and Retention Final Report”
Kuleswar, Kathmandu, 2010. Pp 3-5.
- [4] A. Exforsy, “Difference between Scholarship and Grant” Blog, 28November,2014.
- [5] C. K. Ayo, I. O. Akinyemi, A. A. Adebisi, and U.O. Ekong, “The Prospects of E-Examination Implementation in Nigeria”, Turkish Online Journal of Distance Education (TOJDE), vol.8, no.10. 2007.
- [6] R. H. Michael, “The Impact of Financial Aid on Postsecondary Persistence: A Review of the Literature”, Nasfaa Journal of Student Financial Aid, Vol. 37, No. 3, 2008. pp 30-34.