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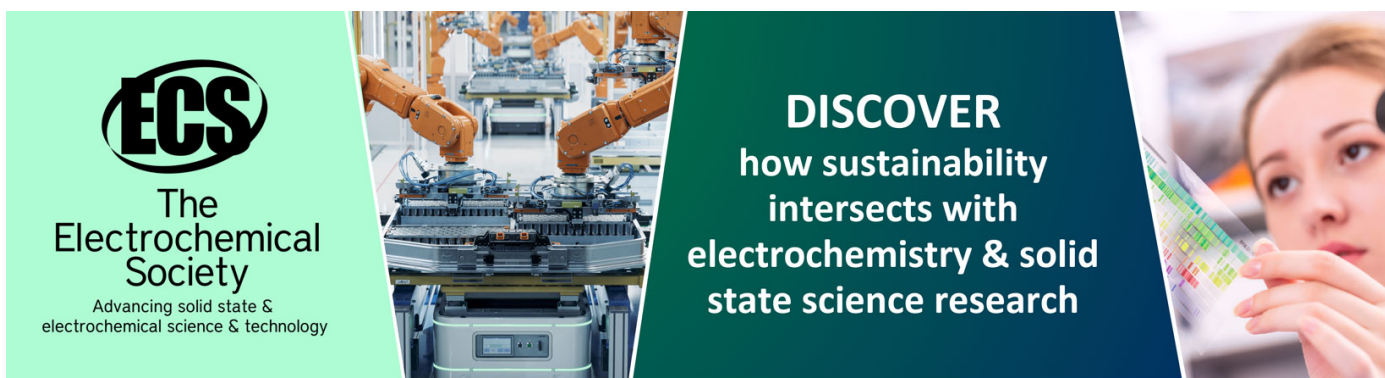
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Designing Student Aspiration Website with PHP

E S Soegoto^{1*} and I B Nurwahan²

¹Departemen Manajemen, Universitas Komputer Indonesia, Indonesia

²Departemen Teknik dan Ilmu Komputer, Universitas Komputer Indonesia, Indonesia

*eddysoeryantos@email.unikom.ac.id

Abstract. The purpose of this study is to facilitate students in expressing their aspirations in a website that can be accessed by all students to be directly opened by the intended party. This research used the descriptive method to analyze the constraints on students in channeling their aspirations then make the media as its intermediary. Data collection technique is using the interview for the staff of the college. The result of this research is in the form of website design to be implemented in making student aspirations website. These results expect to be a reference material for later in following up with the implementation of the website making aspirations of students.

1. Introduction

Ziraba and Okolo explained that Information Technology is something that is important to the success of a business other than establishing the vision of the company. It is because with the Information Communication Technology to be more effective and efficient, but necessary the existence of policies in the implementation, to have a proper business direction that has a competitive advantage [1]. He et al explained that information and communication technology (ICT) could be used to get people involved in participatory and deliberative decision-making processes, to contribute to the environment and sustainability [2].

Konsinski et al explained the website is a social networking site that records any information from actions performed by its users that can generate relevant data from its members to connect to each other [3]. Evans et al explained that the web could be designed to be a tool that can help to access useful information and resources in assisting essential tasks in building an association and can represent its members [4], and Ali and Beg define the web as a collection of documents dynamic and diverse [5]. Archer et al described that young people's aspirations are an enduring focus of attention and concern for education policy [6]. Jeyalakshmi and Subramani explain that apathy in education refers to the highest level of education an individual wants to achieve, one way of measuring individual aspirations is to ask the individual to expose his view of higher education about what he wants to do and what he tries to do [7]. Lee and Durksen argue that students with different personalities and different sets of values tend to appreciate and respond to various aspects of academic interest [8].

Research conducted by Sáinz and Müller found that by understanding the interaction of gender factors with families in shaping the aspirations of growing careers in the field of Science Technology, Engineering and Mathematics (STEM) would be essential to design significant and effective school and family interventions [9]. Likewise, research conducted by the Spanish University of Córdoba found that the need to describe the methodology for the aspirational process by utilizing a participatory approach



that encourages the campus community to help improve the management of the college environment. The way in which it is used is to create a forum that addresses the main issues of the institution, its strengths and weaknesses regarding environmental management, and the increase of expectations that will result in proposals and action actions to be delivered through various documents of the whole process. So that with this process can improve the management of their college environment by involving students in the progress of this college sustainability. Thus the actors involved in the campus environment also contribute to environmental awareness and education [10].

Based on previous research that explains the importance of the role of students in the sustainability of management in universities and the benefits obtained by using the website as an intermediary tool that can involve the community. This research aims to utilize website as a tool in facilitating the students to express their aspirations so that the university can hear the aspirations of the students concerned for the progress of learning system and service in the college concerned. This research uses the descriptive method with data collection techniques through interviews with staff colleges and students, resulting in an analysis of website design that can be applied in the making of student aspiration website.

2. Method

This research used the descriptive method with data collection methods using primary data collection techniques obtained directly through the process of interviews with related and secondary college staff obtained through the data retrieval from previous journals or research related to the constraints of students in distributing its aspirations and the importance of the media's role as its intermediary. The method of system development that we used in this study is the Waterfall method because the Waterfall method described a systematic approach and also sequentially on software development.

3. Results and Discussion

3.1. System Evaluation

Evaluation of the system is done to find the deficiencies that occur, so it can optimize the system to better, faster, accurate, and facilitate the process of using it by formulating in advance the problems of the system that makes students difficult to issue aspirations and make suggestions for improvement of the system 1) (Tabel 1).

Table 1. System Evaluation.

No.	Problem	Proposed Improvement
1	Many students do not even know how to convey their aspirations to college.	The creation of a student aspiration portal website can make it easier for students to express their aspirations to the college.
2	Many students feel hesitant after giving their aspirations because students do not know whether their aspirations are responded or not.	The creation of a student aspiration portal website requires the college to respond to every aspiration proposed.
3	The process of starting to convey aspirations to those aspirations is responded still takes a long time.	Making the system's information portal web-based student aspirations so that it can work effectively and efficiently.

3.2. Identification Requirements

Based on the analysis and explanation above. It can be concluded that there are some gaps, that the main problem of students is limited to express their opinion because there is no container to accommodate many aspirations of students. For the requirement needed to solve obstacles in conveying aspiration of the student is the requirement of data in the form of student data and data and availability of university database aspirations. Through the above requirements and problems, it is proposed to provide a database

of student-specific aspiration portal information systems to process all data on admission and aspiration responses from universities.

3.3 Proposed System Analysis

Before analyzing the proposed system used, then first create a DFD diagram level 1 with the flow diagram starts from the student's login on the student aspiration portal website. After the login process is successful, then students will be brought to the aspiration proposal system, and if the login fails, both students get confirmation data failed login. Students who successfully log in can give their aspiration to the aspiration proposal system. The aspiration proposal system accommodates student aspiration data on the aspiration database file, for the next given to the college. College parties do login first on the portal website aspirations of students. If the login is successful, then the college will be brought to the aspiration proposal system and can see all aspiration data and are required to give feedback back to the system (Figure 1).

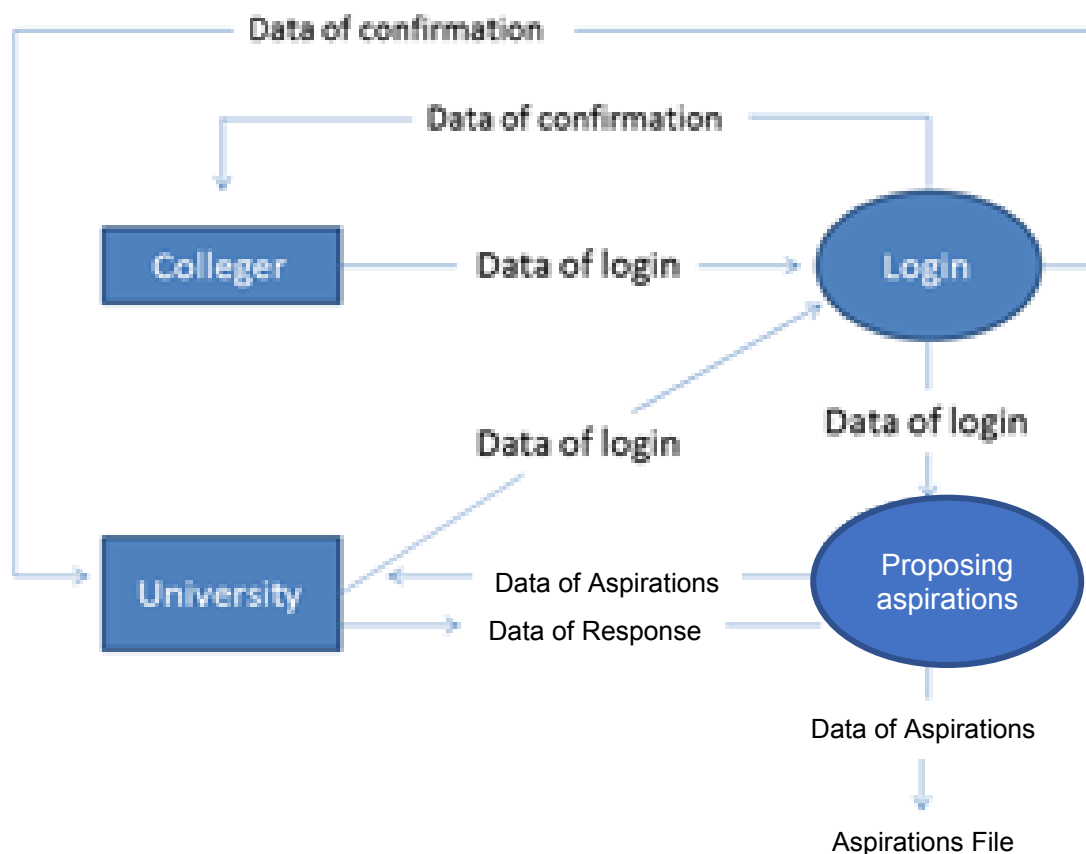


Figure 1. DFD level 1.

After making the diagram of DFD level, one then makes the diagram of DFD level 2. In this diagram, there is two process that is DFD Level 2 Process 1 and DFD Level 2 Process 2. DFD Level 2 Process 1 has flow diagram from student and college party to log in, system will verify the login data that has been entered by students or colleges, and if the login is successful, then both students and colleges can access the portal website aspirations of students, if the login fails, both students and colleges will receive confirmation data failed login system (Figure 2).

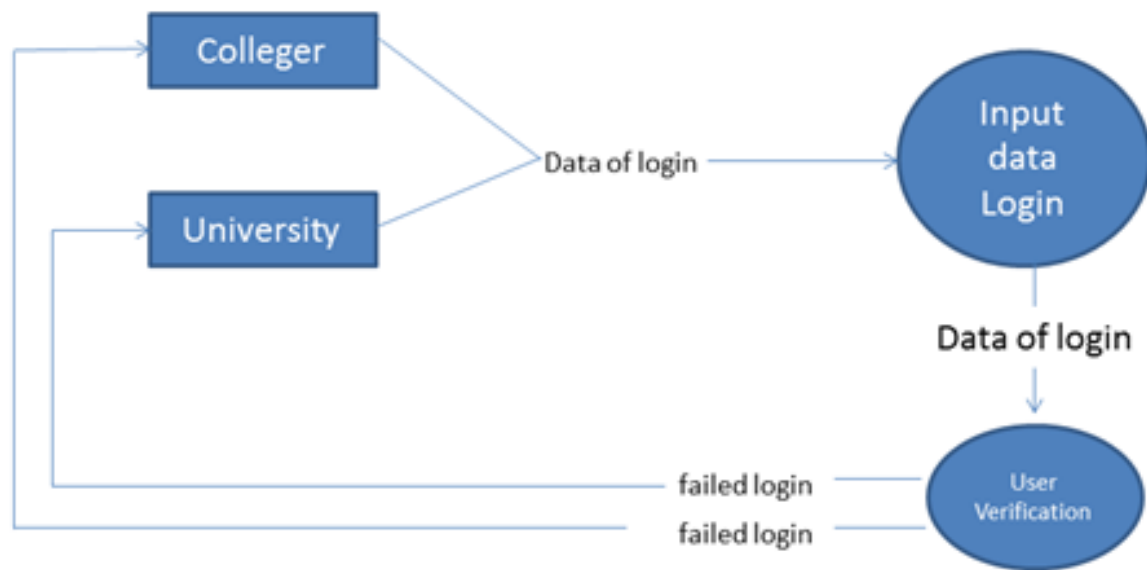


Figure 2. DFD Level 2 Process 1.

Then for diagram DFD Level 2 Process 2 starts from the flow of students to provide aspiration data to the aspiration proposal system through the portal website aspirations of students. The aspiration proposal system will provide aspirational data to the college. Then the college will accommodate aspirations on the aspiration database, which furthermore the colleges provide individual responses to the aspirations of the aspiration response system. Ending with the aspiration response system will provide student response data (Figure 3).

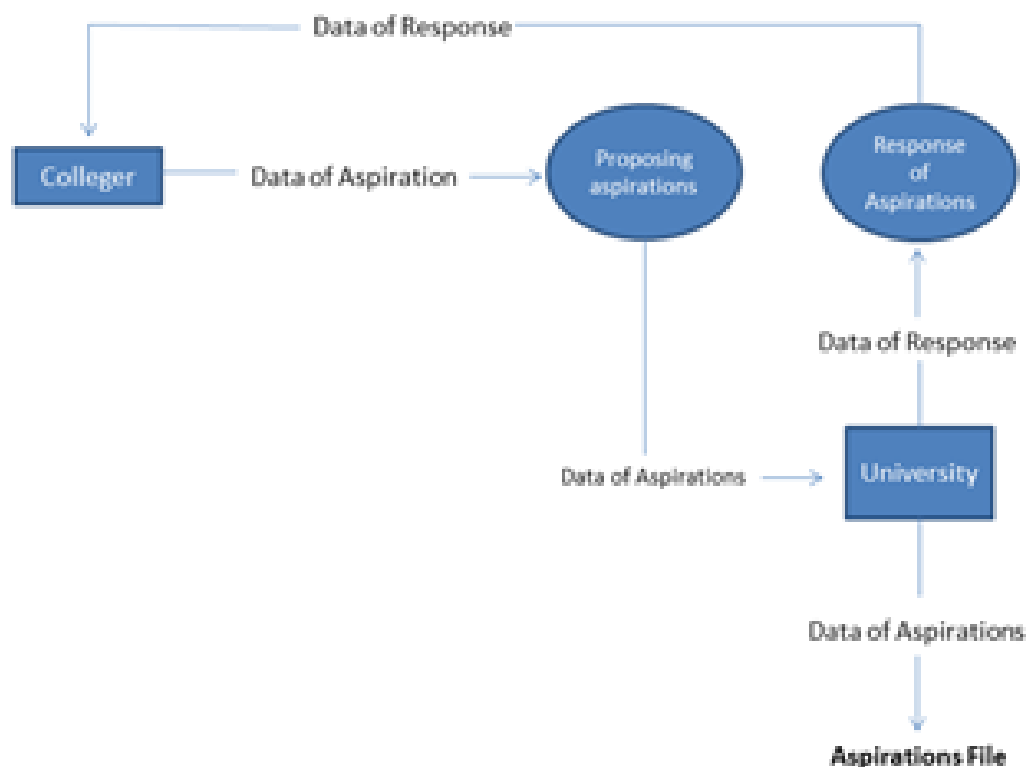


Figure 3. DFD Level 2 Process 2.

The analysis of the proposed system using the context diagram, with the first flow Students login on the portal website aspirations of students. Then the students send their aspirations to the college through the portal website of student aspirations. The system accommodates student aspiration data which can then be seen by the college. The university will respond to all aspirations that have been submitted by students through the student aspiration portal website. Ends with the student being able to see responses from each aspiration that has been presented to the college on the student aspiration portal website (Figure 4).

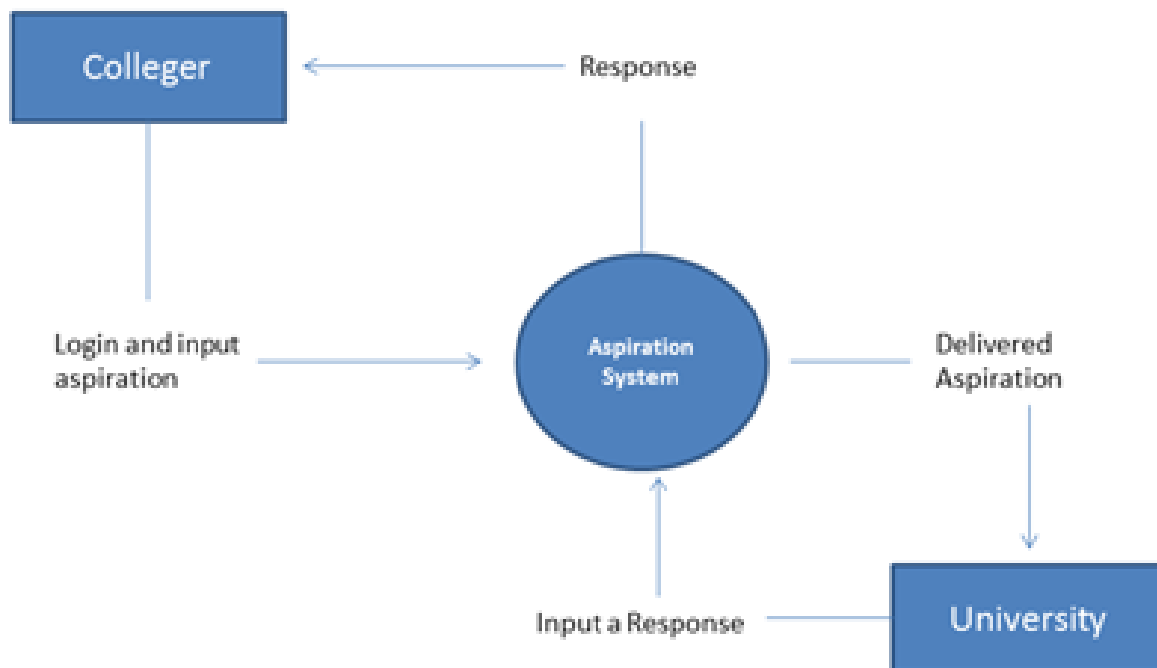


Figure 4. Proposed System Context Diagram.

4. Conclusion

This research concludes the importance of aspirational portal website of students in an educational institution that is used to accommodate, discuss and make decisions on the expectations of students who aim well for the change of individual Education institutions in the future. Website aspiration portal students are expected to facilitate the process of delivering aspirations college students to the college effectively and efficiently. As well as the student aspiration portal website can assist students in the delivery of their aspirations to the college, and vice versa the college can see the lack of owned college felt by the students.

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