

**A Study On Online College Admission
Management System**

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Abstract: The software developed automatic online admission management system on Web-platform to manage the overall admission process. This process involves the admission for the all the departments of the Institution like finance section, student section and all the other sections. Over the years, all these admission process is carried manually through pen and paper which is time consuming. The applicant has to get the application form from the college directly should fill the application and submit the filled application in the administrative office. Later, the list of selected candidates will be declared by the institution and a copy of selected candidates is put on the notice board. All these process is time consuming and it is a headache for the college to keep in track of all the records manually. Through this online admission we are trying to overcome the problem of upholding the manual records. Additional pushin notifications will also be sent to the candidates and the parents regarding the admission updates digitally. The unique PRN number which is permanent registration number is send for the applied candidates. This PRN not only helps the candidate to track the admission status but also eliminates the submission of multiple hard copies in the institution. This research paper is focused on automatic online admission which benefits the students as well as the institution in the admission process.

Keywords: Admission, PRN number, Web-Platform.

1. Introduction

In the present generation even after the advancement of the technology few schools and colleges are still processing the admission manually using pen and paper which is inefficient. It consumes lot of time and effort. In this century even after the technology development where everyone uses computers, still the admission process is been done through pen and paper. The database stores lot of data in less space and the data is secured and it can be retrieved any time anywhere, which reduces the time and effort. The basic principle behind the necessity of online admission is to handle the admission process peacefully. This software stores all the data related to the student such as fees payment, admission process, academic certificates everything is stored securely. The sole purpose of this software is to connect the students,

administration office and parents. This online admission helps the administrator to access and verify Students information. The administrator is benefited by sending the pushin notifications regarding all the events related to the institution at a time to the parents as well as the student.

The concept of PRN number which is permanent registration number helps in identifying the students easily and sends them the notifications.

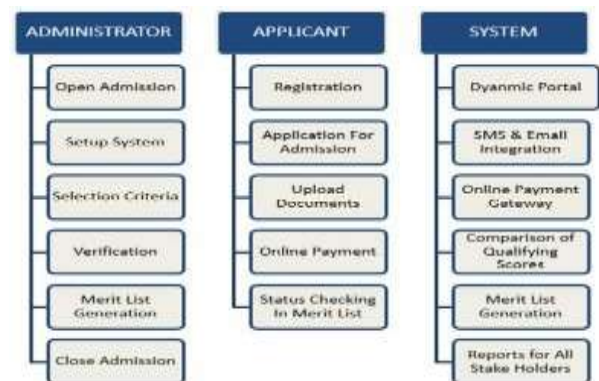


Fig. 1. Online admission process (Source: iitms.co.in)

2. Review of Literature

Online admission benefits the students and the administration in achieving its communication gap. The gap between them will be reduced with the help of online admission. It reduces the work for pen and paper and it will bring in great comfort for the students who apply for the college admission. Instead of standing in line to collect application and submit the filled form it's easy for the students submit all the documents along with the filled application form through online.

Mwapashua H. Fujo and Mussa Ally Dida paper entitled “web based admission system for advanced level private schools”. This paper looks into the challenges faced by the students and the administration the time of admission. This paper concludes that 93% of schools is undergoing the admission process through pen and paper manually.

Mehul Gupta, K.Kartik Iyer, Mani Ratnam Singh, A. K. Kadam worked on paper titled “Automated online college admission management system”. This paper has developed a web-platform to fulfill the requirements of the students to apply admission through online.

Taban Habibu, Draku Job paper entitled “Computerized Private Students’ Admission System”. The main aim of this paper is to design a

software through which online admissions are made easy. With the help of this software the admission process is made simple and this is the secured format for online admission.

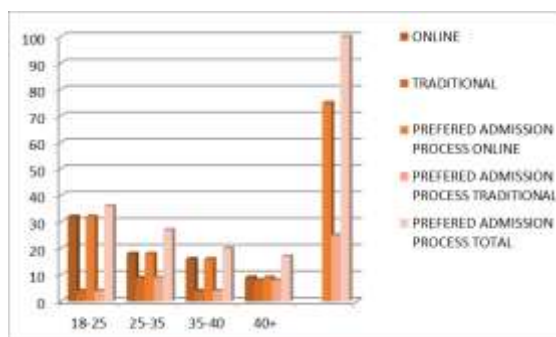
Technology Impact on Admission Systems with Reference to Professional Programmes in Maharashtra. MRS paper published by *Madhuri P. Pant, Dr. Sachin A. Kadam*. This paper first focuses on different phases involved the process of admission. This paper also involves various organizations which are involved in online admission. The evaluation process is taken care by the organization.

1. Research Methodology

The paper is a descriptive paper was the data is collected through primary source. Questionnaire is used as the form through which the responses are collected and analysis is done based the data received from the respondents. Analysis is done using Excel and the charts are made for easy understanding.

Table 1
Preferred admission process by students

Preferred admission process			
Age	Online	Traditional	Total
18-25	32	4	36
25-35	18	9	27
35-40	16	4	20
40+	9	8	17
TOTAL	75	25	100



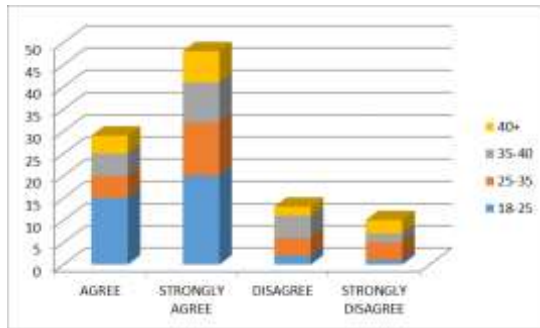
Interpretation:

The above table explains about the preference of the students. Student's age group 18-25 feel that online admission is the best source because they can find multiple colleges which match their needs by staying at the same place. 25-35 categories feel that traditional method of admission process is the best

source. 35-40 and 40+ also feels that traditional method is the best source since they lack awareness about the online admission.

Table 2
Time taken by online admission is compared with traditional method

Time taken by online admission is less compared to traditional method					
Age	Agree	Strongly agree	Disagree	Strongly disagree	Total
18-25	15	20	2	1	38
25-35	5	12	4	4	25
35-40	5	9	5	2	21
40+	4	7	2	3	16
Total	29	48	13	10	100



Interpretation:

The time taken by the online admission is less when it is compared with the traditional method where students or parents has to wait for a long time to get the application form and submitting the filled application form, all these consumes lot of time. 18-25 and 25-35 group of people feels that the time taken is less and online admission is convenient. 35-40 and 40+ feels that the time taken is more when compared with online admission.

Table 3
Is the application process student friendly?

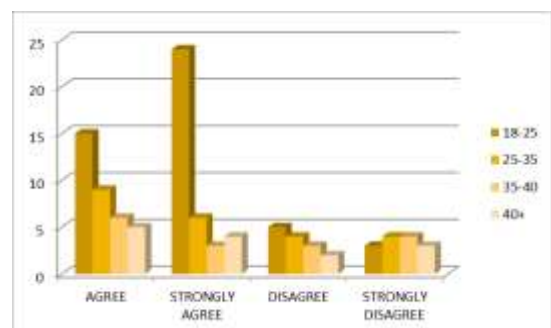
Is application process student friendly					
Age	Agree	Strongly agree	Disagree	Strongly disagree	Total
18-25	15	24	5	3	47
25-35	9	6	4	4	23
35-40	6	3	3	4	16
40+	5	4	2	3	14
Total	35	37	14	14	100

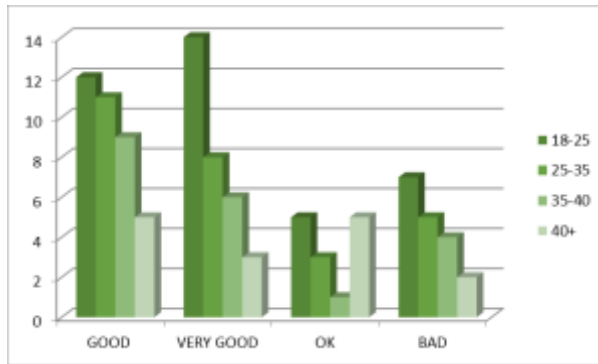
Interpretation:

The application process convenience is surveyed through questionnaire. 18-25 set of people strongly agree that it is student friendly. 25-35 set of people feel that it is friendly and they agree. 35-40 categories feel that it is not user friendly and they disagree online admission process. 40+ categories feel that it is not at all friendly and they are strongly disagreeing this online admission process.

Table 4
The satisfaction level of the admission process

Satisfaction Level of Admission Process					
Age	Good	Very Good	Ok	Bad	Total
18-25	12	14	5	7	38
25-35	11	8	3	5	27
35-40	9	6	1	4	20
40+	5	3	5	2	15
Total	37	31	14	18	100





Interpretation:

The satisfaction that people receive when they use online admission is high instead of traditional method of admission process. A survey is done and the responses is been recorded based on which the satisfaction level of the people is recorded. 18-25 category feels that it is very good process. 25-35 set of people feel that it is good. 35-40 set of people feel that it is ok. 40+ people feel that it is bad approach towards the admission process.

3. Conclusion

Online admission process is the best suitable process for the present generation. Now a day's people who use mobile and internet is high. So the students feel that online application process is convenient for them to apply. Through the college website the students can find all the information regarding the college. They can find each and every process of the online admission clearly. In case if they are not able to proceed with the application process the administration contact details are provided in the website through which the student can contact the college and get it clarified. It is also easy for the college to store the records of the students. They need not carry their documents each and every time instead they can submit it at the time of online application process time. This research paper concludes by saying that online admission is the suitable and easy for the students to access.

References

- [1] Mwapashua H. Fujo and Mussa Ally Dida paper "web based admission system for private schools", 2018.
- [2] Huixia Wang, HuiZan paper entitled "Methodologies of student information management system." 2010 report on college information processing.
- [3] Zhi-gang Yue, You Jin, "The development and design of the student management system based on the network strategies", 2010 International Conference on management system.
- [4] N. F. Col, (2007). Using Internet technology to improve and simplify counselling about university: The WISDOM website. *Maturities*, 57, 95-99.
- [5] M. A. Norasiah and A. Norhayati. "Intelligent student information system". 4th International conference on computer technology procedures, Shah Alam, Singapore, 2003, IEEE.
- [6] Qiu Chang-li 2 Li Jing 3. "The developing procedures of student information counselling system based on B/S architecture".
- [7] S. R. Bharamagoudar, Geeta R. B., S. G. Totad, "Student online counselling system International Journal of Advanced Research in Computer Engineering Vol. 2, Issue 6, June 2013.
- [8] B. Stein, (2000). "Learning information Management System (LIMS) Solution for Web-Based counselling system (WBCS)".
- [9] Jadhav Snehal Balasaheb, Supekar Bhagyashri Sitaram, Wakode Vrushali Khushalrao, Vasaikar Nikita Ashok, Mandlik Priyanka Bhausaheb paper "Web based college admission system".
- [10] M. A. Norasiah and A. Norhayati. "Intelligent student information system". 4th International conference on telecommunication technology proceedings, Shah Alam, Malaysia, 2003.
- [11] Jin Mei-shan, Qiu Chang-li, Li Jing. "The Designment of student information management system based on B/S architecture", 2012.
- [12] S. R. Bharamagoudar, Geeta R.B, S. G. Totad, "Web Based Student Information Management System" International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 6, June 2013.
- [13] Hemangi Kulkarni, Aniket Yadav, Darpan Shah, Pratik Bhandari, Samuya Mahapatra "Unique ID Management," Int. J. Computer Technology & Applications, Vol 3 (2), 520-524.
- [14] Rajan Vohra and Nripendra Narayan Das, "Intelligent Decision Support Systems for Admission Management in Higher Education Institutes," International Journal of Artificial Intelligence & Applications, Vol. 2, No. 4, October 2011.
- [15] Swapnil S. Bangare, Atul S. Mhaske, Sagar A. Sune, Harshal D. Pranjale "Cloud based Intra-College Communication Information System using Mobile Clients" International Journal of Advanced Research in Computer Engineering & Technology, Volume 2, Issue 2, February 2013.
- [16] Saurabh Walia, and Satinderjit Kaur Gill, "A Framework for Web Based Student Record Management System using PHP," IJCSMC, Vol. 3, Issue. 8, pp. 24-33, August 2014.