

Online Survey-A Web-page Design for Online Counselling System

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ABSTRACT

Online survey invariably used for opinion/information collection now days in education, business and social sectors. The admission to various engineering institutions in Madhya Pradesh through online off-campus counselling process is started in the year 2010-11. The web page is designed to gather information/opinion using C++ and dot net programming from various stakeholders (students, parents, help centres and kiosk centres) to study the effectiveness of the process. This papers presents system architecture requirements and snapshots of web page.

Keywords:- Admission, Counseling, Engineering

1.INTRODUCTION

The Department of Technical Education, Madhya Pradesh has started online admission to engineering institution through online off-campus counseling process in the year 2010. Due to engineering course is the first choice of the students for study, therefore large numbers of students seek admission to prime institutions via entrance examination. The number of engineering institutions and their intake increases every year, it is not possible to take opinion by every stakeholders, therefore researcher decide that design a web page to take feedback/satisfaction survey through online system to study the effectiveness of the process. Web based counseling systems are used in or developed for various areas, for example in health care (Lambert, 1989; Col, 2007) and health assistance (Snae & Brückner, 2007), physical activity (Pinto, Friedman, Marcus, & Tennstedt, 2002), and students' counseling. Averil M. Loague, et.al. (2010), have focused the use of internet continue to grow. According to a recent few research study, Internet use among teenagers, 12-17, is now at 93%. Sixty-two percent are going online for current events, 48% for shopping, and 31% to find information on health related issues [1]. Revati Shriram, Leena Sharma (2011) has described Web Based Counseling System with E-Prescription for Rural INDIA. They constructed a window based system using Ajax software [8]. Ryan McFall', et .al. (2002) have designed a general-purpose Web data collection and processing system in which questions and their responses (a "survey") are stored in a database, allowing instructors to easily analyze the data gathered with online form [9]. Sellappan Palaniappan (2006) has introduced a web based counseling system a nonprofit online counseling web portal.[10] Fu Jinwei (2010), has proposes a FAQ online system based on wiki engine[5]. Jennifer A Weber Kelly D Bradley has focused Strengths and Weaknesses of Conducting Web-based Surveys.

2.DESIGN FORMULATION

The website has been designed with language C# (VISUAL STUDIO .NET 2008) and data stored in MS Access software. While designing the website following requirements is arranged-

2.1 System Requirement

Some hardware, software, network are required to support the website development and execution efficiently, systematically, and effectively. Table 1 shows the software needed to develop the system and the purpose, or function of it.

Table 1: Software required for developing the system

| Software | Purpose |
|---|---|
| Microsoft Windows 7 | As a window of the system. |
| Microsoft Excel 2003 | As a platform to do all documentation work |
| Windows IIS Server | As a web server that will be used for running the system. |
| Microsoft Visual Studio (C# ASP.NET 2008) | As a development framework for the website |
| MS-Access Database | To store all data by using the website. |

2.2 Hardware Requirements

Hardware justification is a basic necessity which needed in developing a system. The hardware is included input and output devices, storage devices and data processor. The identified hardware requirements which are needed in this system development are as -(1) Personal computer Pentium 4, CPU 1.73GHz (2) 1 GB RAM (3) Hard disk with 80GB capacity (4) Monitor (5) Network card or modem (6) Printer

2.3 Software Requirements

Choosing the right software is vital to ensure that the developed system fulfils user requirements. There are few important aspects in choosing the right software- (1) The software must be able to handle a lot of data. (2) The software must have good user interface. (3) The software must be able to interact with database. (4) The software must be easy to use without any complex syntax. (5) The software must support 4th generation programming language.

2.4 Network Requirements

Choosing the network requirement that will support the system software is vital to ensure that the developed system fulfils user requirements.

3.INSTALLATION OF INFRASTRUCTURE PROCESS

Survey opinion was developed under web base. The implementation can be connected to intranet. Therefore for the next step equipping the infrastructure process can be completed by server and internet connection devices. By using the internet or intranet, survey opinion can be accessed by the students, parents, help centres and kiosk centres where ever they are and any time. Table 2 shows the items and their description to develop the system.

Table 2: Installation of Infrastructure

| No. | Item | Description |
|-----|-----------------------------------|---|
| 1 | Local Server | Server with specification : - Processor Pentium IV or Higher - Memory 1GB - Hard disk 80GB |
| 2 | Network | Local network |
| 3 | Dedicated Internet Connection | Internet connection to hosting E-Counselling online to Internet and can be accessed by counsellors and students. |
| 4 | Authorization user name and space | 2 GB Web space and domain name |
| 5 | Software | Software that installed in server and client - Windows Server - Windows 7 - IIS framework - MS-Access - Microsoft Visual Studio (C# ASP.NET 2008) - Web Browser |
| 6 | Printer | To print the reports |

4. HOW TO FILL OPINION

Open Web Browser and type www.onlinecounselingsurvey.in. The interface is shown fig. 1. After simple clicking the specified buttons, stakeholders may give their opinion. The survey will take 10-15 minutes to complete the form of part-A General information and part-B Specific information's about the counselling process. This web page describes the objective of the survey, complete instruction of the survey form and introduction about the authors with their contact telephone numbers. Administrator may also be login via user name and secured password to see the status of the feedback. The opinion is received in MS access format which can be further converted into MS excel sheet for the discussion and formulate the results.



Figure 1: Homepage snapshot of design website

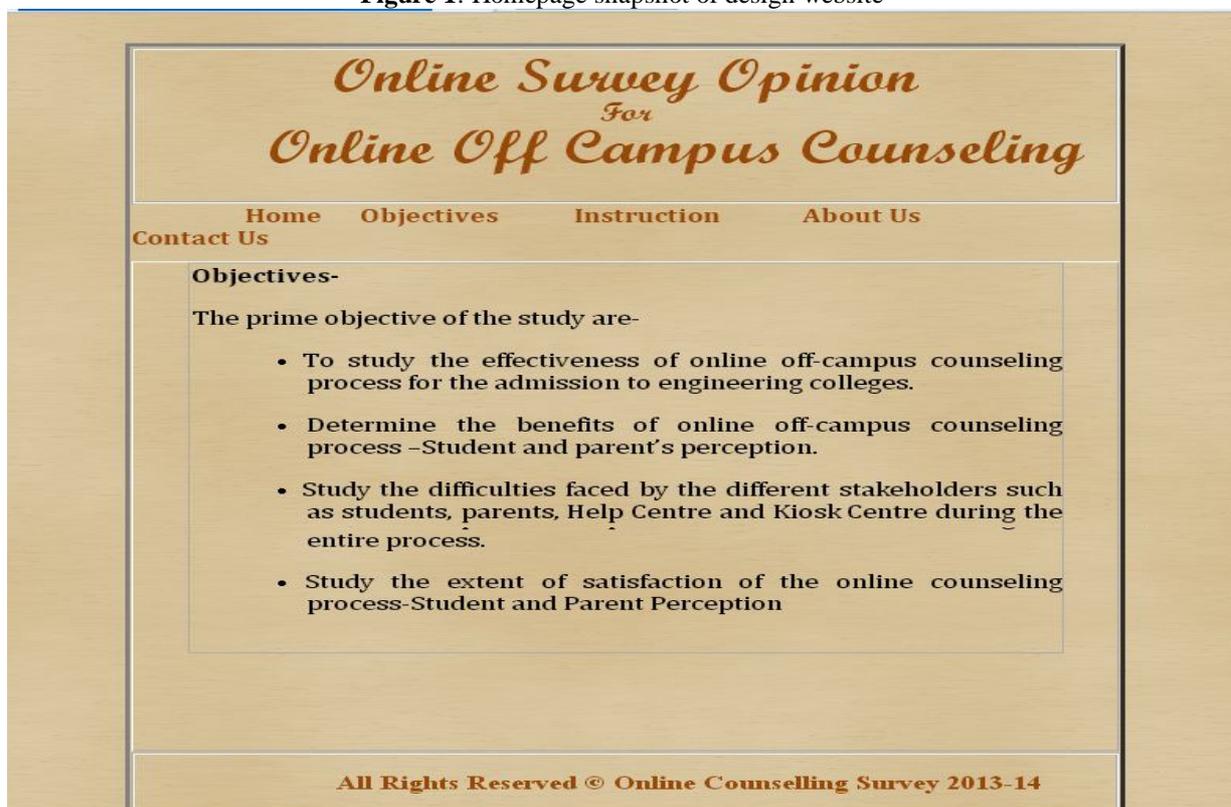


Figure 2: Snapshot of objectives define page of online counselling system

5.CONCLUSION

The response obtained of online survey within the time duration (3 months) was very poor due large number of respondents. The web page is so designed that response was collect in MS Excess format in which easy to evaluate the data and apply different statistical test to study the effectiveness of the process. There are 437, 436 and 449 responses from students in the year 2010-11, 2011-12 and 2012-13 were received. The 223 parents were give their feedback and approximate 311 opinions and suggestion were obtained from MP online kiosk centres. About 40% of response was received from help centres and kiosk centres. Low awareness in terms of e-readiness among candidates & parents (particularly among rural areas) faced some problems in operations of the web site.

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