Social Hub of Engineers: An Overview

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Abstract- In this paper, we are concentrate on the implementation about the university website that provides all the information regarding to a university can be considered as a backbone of the university. Almost all universities have their own websites either it is static or is dynamic. The Sant Gadge Baba Amravati University is one of them. The university has its website- www.sgbau.ac.in. This site has many modules like result, mark sheet, online library, news and events, examinations, syllabus, examination question papers, etc. This website provides almost all basic information to students and faculties. This conventional website meets today's basic needs, but the website has to add some advanced features with increasing technology in order to provide more information. The propose is to develop a dynamic website cum social site. This website not only provides information but also helps to maintain student's data efficiently and bind the students and faculties together disregard to their respective colleges. One of the benefit of this website that student can easily handled this site and performed its desired task.

IndexTerms-Security,Information,Profile,Forms.

1. INTRODUCTION

In the social hub of engineers, now a day's sites have to change constantly and provide updated news, information and customized pages. Although there exists a website of Sant Gadge Baba Amravati University [1], it has its fundamental limits. This paper provides a description of dynamic website cum social site of a university that we have implemented practically. A brief overview of existing system of university's website is given first. This will cover the literature review, as it will give introduction to present modules and their functions. In order to provide additional functionalities, the proposed system is described next. This will cover some additional modules proposed and their application. At last all the modules are given in detail with their description, working and applications. The Web is no longer static; it's dynamic. PHP and SQL are two ways to make your site dynamic. The benefit of this site ,it takes less time to complete the desired task. also there is a provision regarding the security of information from external users.

2. LITERATURE REVIEW & RELATED WORK
2.1. Existing system
The existing website of the Sant Gadge Baba Amravati University is available at www.sgbau.ac.in. This website consists of the following major modules-
- Examination
- Result
- News and events
- University's library
- Question papers

The above mentioned modules are having their functionality. But there are still some limitations of this site. These limitations will be overcome by proposing new and advanced modules which are described in next section. The issues that are not covered in the existing site are mentioned as follows. The existing website does not contain any way to interact with experts of a particular subject of another college. If a student has some queries regarding to any subject then he has no way to get advice from the expertise of the university because of geographical constraint. Another problem is that students find that they cannot get awareness about all upcoming events

which are going held in various institutes. Also the students find difficulties during submitting their examination and revaluation forms. Students have to attach all the documents every time they submit the forms. There is no means provided by the university website to retrieve previous data of students.

3. PROPOSED SYSTEM & WORK
In this implementation is going be divided into different modules. In this social site, the new and advanced modules have been included. The modules are given as-
- Expert's Profile
- Online Examination Forms
- Online Revaluation
- Common Tutorials and Practical
- Upcoming Events

- Online Backup

The above modules not only give the information regarding to university, but also make students and faculties aware about the various events will be organized by different colleges and saves their time by means of Online Examination Forms and Online Revaluation. Common Tutorials and Practical will introduce consistency. The Upcoming Events increases awareness about various events in students. And most important Online Backup system will maintain all the documents of students effectively. These all modules are very important and major advantageous modules for the students as well as the university. This website will also be useful in enhancement of students' knowledge along with reducing efforts somewhat. These modules will provide general information as well as very crucial information which need to be provided to every student of the university

4 IMPLEMENTATION
4. 1 Introduction to Modules
The six modules have been implemented are as follows-

- Expert's Profile
- Student Profile
- Online Examination Forms
- Online Re-valuation
- Common Tutorials and practical
- Upcoming Events

The above all the modules with their advanced features and functionalities are described in following subsections.
4.1. Expert's profile
Expert's Profile is the very important module for students who are having any doubts regarding to any subjects. Every college has some expert lecturers in particular subject. Because of geographical distance, it is not feasible to contact with such experts and even students do not aware about them. So this module provides a profile of these experts of the university. So that students can directly interact with them via email and can clear their queries. Through ths Student will be able to contact for queries with experts.
1. Students become more active.
2. Students and teachers engage in learning through the use of technology and become more familiar by using it.
4.1.1 Advantages of online experts
- Student-centered learning
- The variety of online tools draws on individual learning styles and help students become more versatile learners.
- Easy access to global resources

Students can easily access online databases and subject experts.

4.2 STUDENT PROFILE:
In this Module we have implemented information about the student who is enrolled by university administrator. In this module student will be able to see his profile. In profile we have provided information about the enrollment id, name, current year, state city, semester etc. This module provides student a means so as to get information about Upcoming Events, Tutorials and Practical's. Also Student will be able to fill online Examination Form and Online Revaluation Form. In this module, We have provided the mechanism that student have to register first if he is enrolled student of university then only he will be able to register otherwise not. This provides security means.
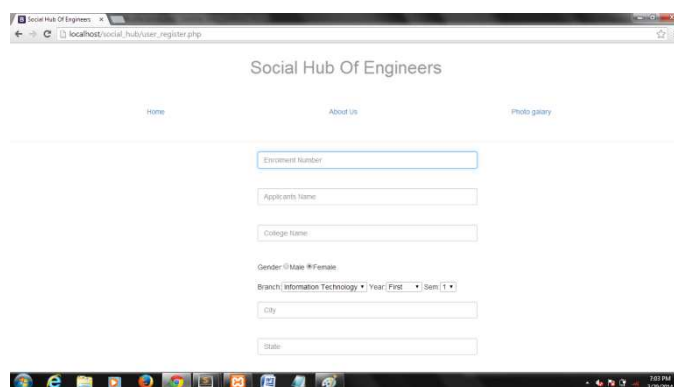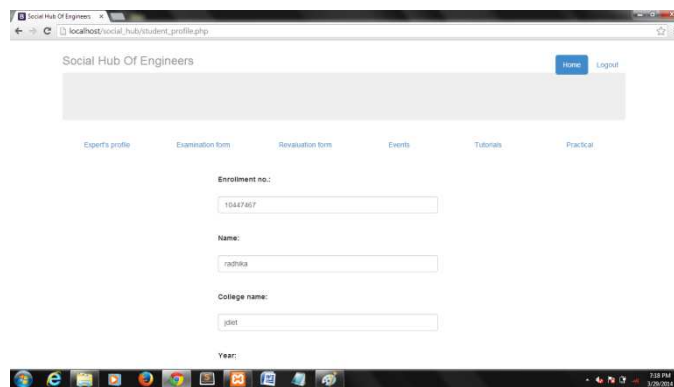

Figure 1: User Login Module

Figure 2: Student Profile Module

4.3. ONLINE EXAMINATION FORM
In current days, the university provides the examination forms to every college. Students have to gee these forms, fill up and have to attach required documents and submit to their college. The colleges then have to process it further to the university. This procedure takes time and requires little bit more efforts. Even sometimes students find shortage of forms and find this process hectic..On the other side, Online Examination Forms module provides examination forms online. So that individual student

can fill up the form and submit to the university directly online. This reduces the effort taken by the college as well as university somewhat. By using this module, the students will have to download examination form, fill up the form and just scan all the necessary documents. In this way, students can submit their examination form to the university. Online forms should be a key component of all corporate intranets, as they deliver clear productivity advantages and cost savings.
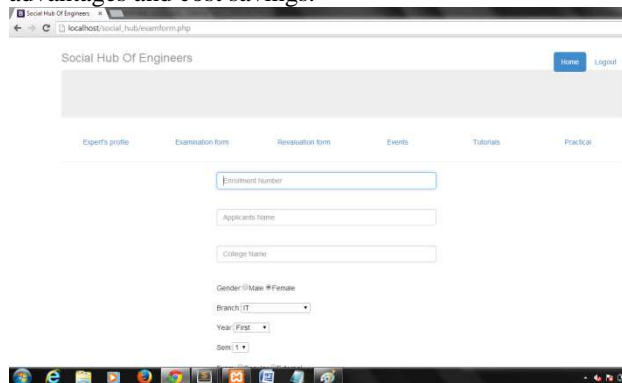

Figure 3: Examination Module

4.4. *Online Revaluation Form*

During the academic session, many students failed in some subjects or get insufficient marks as per their prediction. Such students have a right to claim for revaluation or photocopy of their papers. In such scenario, students have to go to the university to claim for revaluation or photocopy.After applying for this procedure, students who have asked photocopy, they will be received an acknowledgement letter from the university within some time period via post. So they will not be considered eligible for claiming for further process for asking photocopy of papers. This site proposes another module similar to online examination form- Online Revaluation. In this module, student can apply for rechecking or photocopy of papers online. For applying online, students have to send demand draft in favour of the university first, and then the university gives acknowledgement to students about their acceptance of demand draft via e-mail. Along with this, the students can fill up online revaluation form. So in this way, the students do not have to go to the university and waste their time. Also students get confirmation within the time. A candidate at the University examinations may be eligible to apply for Verification of marks and Revaluation of answer book(s), within 10 days from the date of declaration of result, subject to the following conditions. A candidate may apply for verification of marks of all subjects appeared at the examination concerned. And for revaluation of answer books, a candidate may apply up to maximum two heads of passing in theory subject/s, whichever is less, at the University examination in which he/she has appeared at the said University examination. Revaluation of answer books includes the process of

verification of marks. Candidate can apply for revaluation of answer book(s) only out of the subject(s) applied for verification of marks. The revaluation of the answer book/s, however, shall not be permitted in respect of scripts of Practical Examination / Term work / Internal Assessment/Sessional Marks etc.
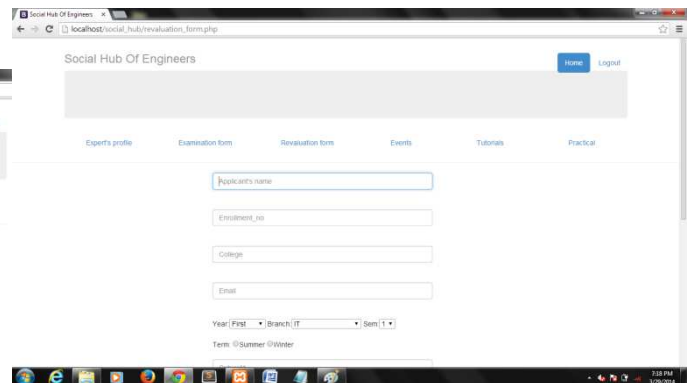

Figure 4: Revaluation Form Module

4.5. COMMON TUTORIALS AND PRACTICAL

Something that provides special, often individual instruction, especially: A book or class that provides instruction in a particular area. A program that provides instruction for the use of a system or of software. Tutorials are generally intended to:

- Help students to gain a deep understanding of the subject matter in their discipline - discussion in tutorials helps students to see the significance and implications of their knowledge so they can apply what they have learned in new contexts; students should also develop a healthy scepticism about the literature.
- Enable students to learn how to think, for instance to synthesize disparate sources, to formulate a thesis and justify it, to anticipate criticisms of their arguments, and to respond to questions and challenges – thinking 'on one's feet' – in the tutorial setting.
- Develop students' basic academic skills (e.g. identification and evaluation of relevant resources, effective communication both orally and in writing, effective time-management, critical self-assessment).

Tutorial system is a "unique method for getting intellects to sparkle". Every college includes tutorials and practical along with regular semester subjects. The subject in charge does himself decide which and how many practical should be included along with the subject. It may or may not relevant to the subject sometimes. Same scenario is also true for tutorials as well. This creates inconsistency in terms of practical and tutorials among all the colleges. Instead of this, the common tutorials and practical module approaches to provide common or similar

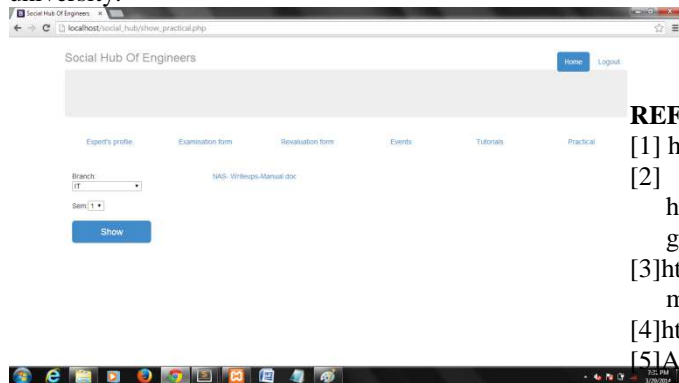practical and tutorials within all colleges of the university.

Figure 5: Tutorial & Practicals Module

4.6. UPCOMING EVENTS

Almost all the institutes of the university organize National and/or International level events. One of the most important phases of taking an event is to create awareness about the event in as many as students possible. For this the students go to various colleges for publicity of event and also some colleges upload their event's website for providing events details. The Upcoming Events module is proposed to solve the problem to some degree. This module of site gives information of all upcoming national and/or international events. So that each student of the university will get the information about occurring of events and there is less chances to miss the events by unawareness about the events.
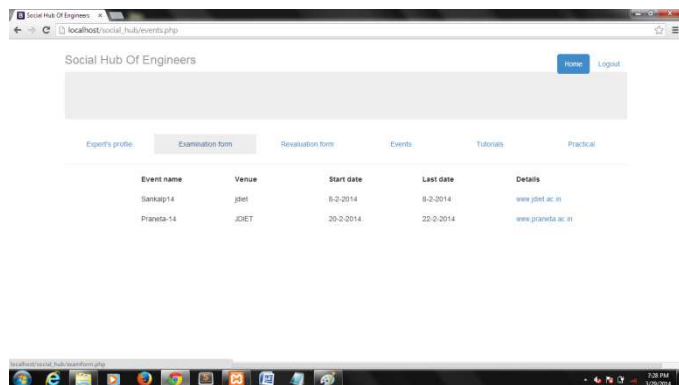

Figure 6: Events Module

5. CONCLUSION

In this Paper, we are concentrating on the advanced functionalities which can be helped to overcome almost all the limitations of existing website . One of the benefit of this website that student can easily handled this site and performed its desired task. Implementing this site we can reduce the burden of university as well as students Also this website helps in enhancing the knowledge of students without geographical obstacles. In addition there is least probability of loss of data. Hence, this website will add all the features regarding to academic only and

this makes it different from general social site.

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