Class Reference Website

Sneha. M[1], Lekha Kanmani. S[2]
[1, 2] Dept of Information Technology
[1, 2] MSEC

Abstract- *The main objective of the Class Reference Website is to have a quick reference for the students to access any kinds of notes, materials, time table, PowerPoint etc. The notes are updated in the website from the 1 st semester to 8 th semester. It mainly focused for the college students pursuing Information Technology. In this website, the students can login by entering the user id and password. The syllabus are provided in this website for all the semesters for It department students. Even the exam timetable are easily accessible and it will be updated dynamically based on the upcoming examinations. The powerpoint module is the unique thing in this website where it contains details about the trending technologies. The photo gallery module provided in Class Reference Website exposes the infrastructure and lab facilities of our college. The faculty names and the qualifications of IT department also present in this website.*

Keywords- CRW, My SQL, PHP, HTML, CSS

I. INTRODUCTION

Class Reference Website is mainly designed for the use of students. This website definitely provides a clear cut idea on the academic through the virtual platform. Instead of searching the notes in different websites, this will be very efficient still the notes of every subjects from the first year till the final year is provided completely in this website. The CRW website consists of Sign in module, syllabus module, trending technologies module, class schedule module and also photo gallery module. Each and every module gives a valuable and unique future for the students to access. Each and every student will have their own user id and password so that they could sign in by entering their particular id and password. This website will definitely acts as a valuable source for the students.

II. MODULES DESCRIPTION

User module:

The User module is the important module in which the student can view the time table, materials, syllabus, notes, and also PowerPoint on trending technology topics. The exam time table are updated dynamically before the particular examinations. Even the class time table can also be viewed by the students through the websites. The question paper sections gives the model questions paper on every subject from the first year till the final year.

Syllabus module:

The syllabus module contains the detailed syllabus of every subjects of the Information technology. The data is provided for all the eight semesters. So, the student can view thw syllabus of every subjects in the single platform. And the students of all the years are provided with the syllabus regarding their particular semester of both the regulations of 2013 and 2017.

III. TRENDING TECHNOLOGIES MODULE

This module mainly contains the PowerPoint on the trending technologies in the information technology. The student can update their knowledge on these technologies by login through this website. The PowerPoint will be definitely helpful for the students and they can download and print these PowerPoint for the future reference and whenever needed.

CLASS SCHEDULE:

The class schedule module contains the time table of the class and also the exam time table. Even if the students are unaware of the class time table or exam time table they can refer this website and have a quick access to this.

MATERIALS MODULE:

The material module contains two sections namely:

1. Notes
2. Question paper

Notes:

Notes section is occupied completely with the materials for each subjects for all the semesters. Instead of searching in all the websites for each material, this single website provides notes of all the subjects till final year in a single platform.

Question paper:

Question paper sections provide the students with sample question papers of each and every subject of previous years. These question papers are from the first semester to the last semester. This will also be every efficient for the students.

PHOTOGALLERY:

The photogallery is the one which exposes the infrastructure of our college. It contains the college environment photos, college building photos, lab photos from which the viewers can view our college's photos.

IV. TECHNOLOGIES USED

PHP:

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. As of January 2013, PHP was installed on more than 240 million websites (39% of those sampled) and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Pre-processor, a recursive backronym.

PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

XML:

Extensible Markup Language (XML) is the predominant markup language for web pages. XML is designed to transport and store the data.XML is important to know, and very easy to learn. XML tags are not predefined. You must define your own tags. XML is defined to be self descriptive. With XML data can be stored in separate XML files. This way you can concentrate on using HTML/CSS for display and layout, and be sure that changes in the underlying data will not require any changes to the XML. This makes it much easier to create data that can be shared by different applications. Exchanging data as XML greatly reduces this complexity. Since the data can be read by different incompatible applications.

CSS:

Cascading style sheets (CSS) is a style language used to describe the presentation semantics (the look and formatting) of a document written in a markup language. It's most common application is to style web pages written in HTML and XHTML. CSS is a designed primarily to enable the separation of document content (written in HTML or a similar markup language) from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design). CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen in print by voice.

MySQL:

MySQL is a fast, easy-to-use RDBMS used for databases on many web sites. Speed was the developer's main focus from the beginning. In the interest of speed, they made the decision to offer fewer features than their major competitors (for instance, Oracle and Sybase). However, even though MySQL is less full featured than its commercial competitors, it has all the features needed by the large majority of database developers. It's easier to install and use than its commercial competitors. MySQL is developed, marketed, and supported by MySQL AB, which is a Swedish company.

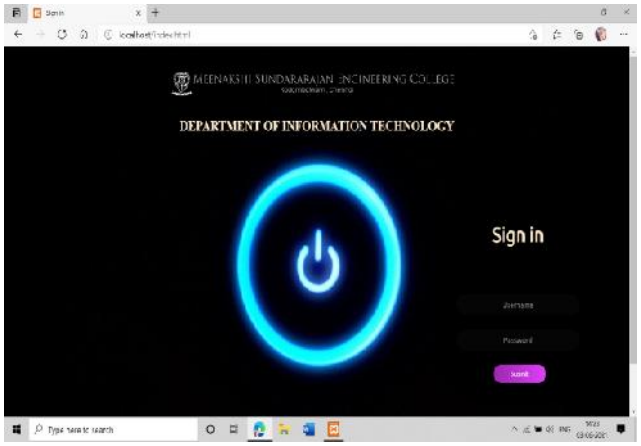
HTML:

HTML is a hypertext markup language which is in reality a backbone of any website. Every website can't be structured without the knowledge of HTML. If we make our web page only with the help of HTML, then we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as CSS. So here we are using this language to make our web pages more effective as well as efficient. And to make our web pages dynamic we are using Java script.

V. RESULTS

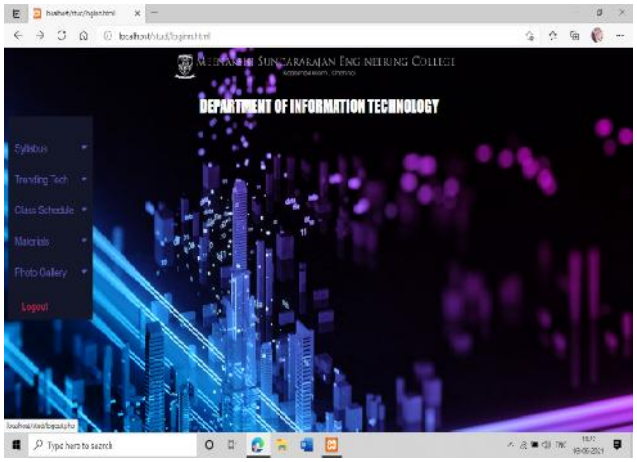
SIGN IN PAGE:

This page is sign in page of our website where the students can sign by entering their unique password and uer id.



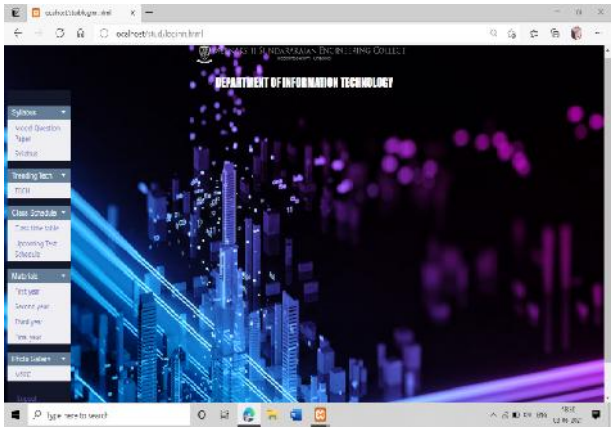
HOME PAGE:

The below given image is the home page of our website. After signing in, this page will bw displayed where it contains all the modules in the left side.



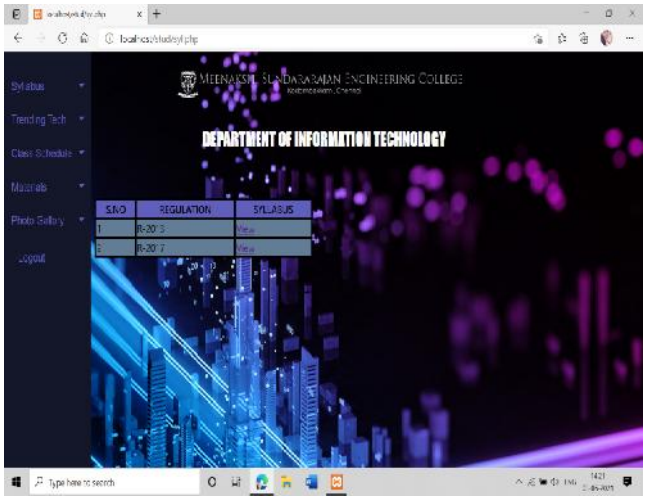
SUB SECTIONS INT THE MODULE:

This below image displays all the subsections under each module. Each subsections are provided with different contents.



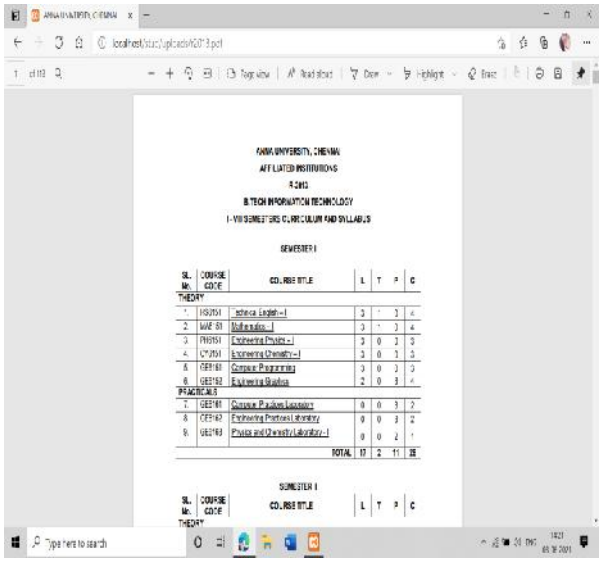
SYLLABUS REGULATIONS:

The syllabus module contains the syllabus of both 2013 and 2017 regulations. So, the students can access both these regulations.



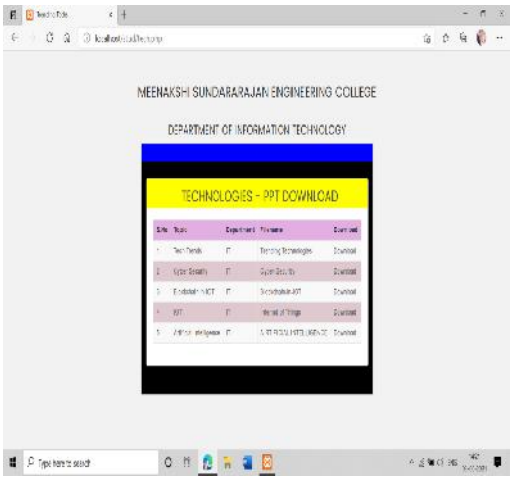
SYLLABUS UPLOADED:

The syllabus of both the regulations from the 1st semester till the final semester are uploaded in this website.



TRENDING TECHNOLOGIES:

The powerpoint of the trending technologies is uploaded in the trending technology module. The students can view and also download the topics needed for them.



CLASS EXAM TIMETABLE:

The class exam time table is the one where the time table of the class is uploaded for the student 's reference. The below image shows the class time table uploaded in this website.

EXAM TIMETABLE:

The below image displays the exam time table of the upcoming examinations. These time table will be updated dynamically since the examination schedule changes every 6 months.

MATERIALS UPLOADED:

FIRST YEAR MATERIALS:

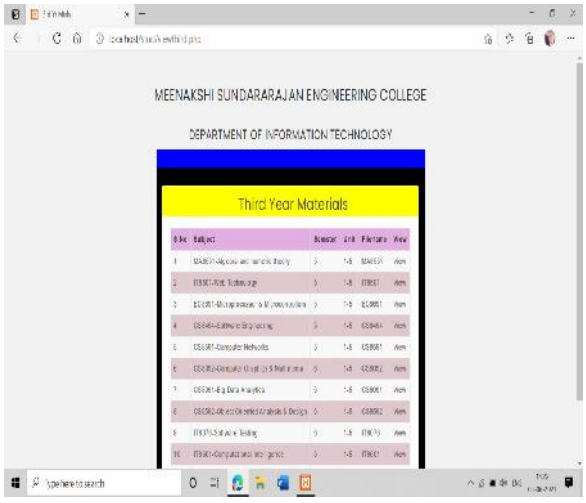
The below image shows the materials/notes which is uploaded for the first year. The notes of each and every subject is uploaded so the students can easily access these notes by using this view option.

SECOND YEAR MATERIALS:

The second materials uploaded in this website under the section of materials. This page contains all the subject notes of the whole second year.

THIRD YEAR MATERILAS:

The third materials uploaded in this website under the section of materials. This page contains all the subject notes of the whole third year.



FINAL YEAR MATERILAS:

The final materials uploaded in this website under the section of materials. This page contains all the subject notes of the whole final year.

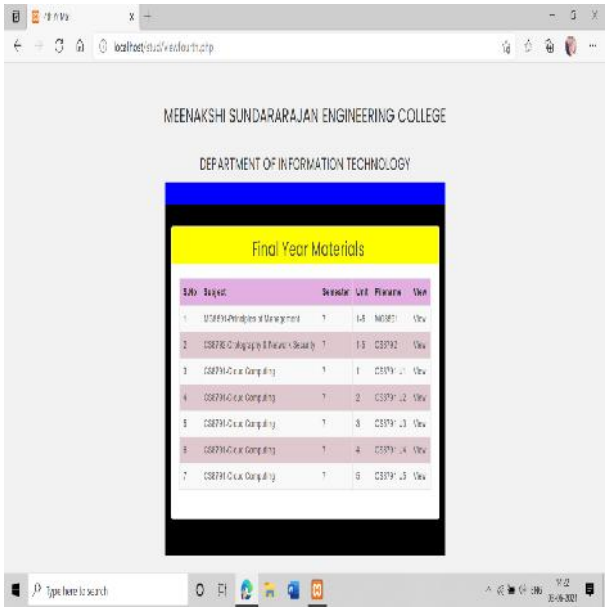
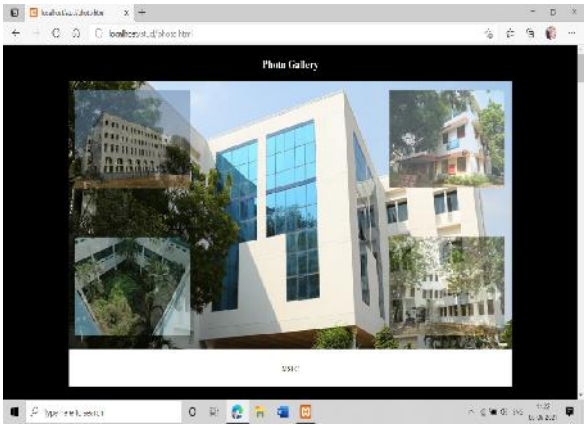


PHOTO GALLERY:

This photo gallery page displays all the photos of our college infrastructure which include college building photos, college environment photos, lab photos etc. The below image shows the uploaded image of the college photos.



VI. CONCLUSION

The paper CRWis about viewing and downloading the study materials for IT students. Implementation of this system will reduce the paper work which consumes more time and improves accuracy in colleges, schools and universities. The student will get information about the college events, exam notifications in a very easier way without any delay. This will reduce the time for maintaining the manual records, for example the eligibility list can be generated directly based on the percentage and it can be helpful for the students. In such a way this system will be helpful for the students.

REFERENCES

[1] "Web Based Student Information Management System" by S.R. Bharamagoudar, Geeta R.B, S.G.Totad, 2013 International Journal of Advanced Research in Computer and Communication Engineering..

[2] Zhi-gang YUE, You-wei JIN, "The development and design of the student management system based on the network environment", 2010 International Conference on Multimedia Communications, 978-0-7695- 4136-5/10 2010 IEEE.

[3] TANG Yu-fang, HANG Yong-sheng, "Design and implementation of college student information management system based on the web services". Natural Science Foundation of Shandong Province (Y2008G22), 978-1- 4244-3930-0/09 2009IEEE.

[4] M.A. Norasiah and A. Norhayati. "Intelligent student information system". 4th International conference on telecommunication technology proceedings, Shah Alam, Malaysia, 0-7803-7773-7/03 2003IEEE.

[5] Jin Mei-shan1 Qiu Chang-li 2 Li Jing 3. "The Designment of student information management system based on B/S architecture". 978-1- 4577-1415-3/12 2012IEEE.