

## Design and Implementation of a Website for the annual function (SAPTARANG) of Priyadarshini Institute of Engineering and Technology, Nagpur.

### Prof. Uma Thakur

Assistant Professor, Department of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India.  
Email id:-umapatel21@gmail.com

### Nachiket Gaurihar

Department of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India.  
Email id:-nachiketgaurihar66gmail.com

### Sanket Adle

Student of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India.  
Email id:-sanketadle6@gmail.com

### Karishma Parmar

Department of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India.  
Email id:-karishmaparmar0308@gmail.com

### Shweta Patil

Department of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India.  
Email id:-shwetapr866@gmail.com

### Abstract:

The scope of web development has increased to a great extent. Advancement at a larger scale has been observed in this field of developing websites. This paper presents a dynamic website based on visual studio platform. This website is developed using ASP.NET, HTML and CSS. It operates on the MySQL database and uses SQL for manipulating the database. This is a full-fledged website which will use only your internet connection to produce the required results. The server used is SmarterAsp.net and the domain in use is <http://sanket17-001-site1.gtempurl.com> The server has a range of 1000 visitor and the statistics of the visitors visiting the website and the page hits will be recorded in [https://member3-3.smarterasp.net/account/account\\_screen](https://member3-3.smarterasp.net/account/account_screen). This website displays the result based on your input and preferences. You can view the required results efficiently by simply entering your choices.

**Keywords:-** Web development, dynamic website, visual studio, ASP.Net, HTML, CSS, MySQL database.

**Introduction:** The design and development of websites have become a day to day activity as there are so many websites coming in the market everyday. All companies, organizations, institutes, private or government firms, big or small events are developing interest in having their own websites. This method of designing and development of websites is trending due to three reasons. First is the availability of open source servers and domains for small websites. Second is the flexibility aspect due to which websites can run on any platform supported by your internet connection. Third is that the website of the respective firms is actually helping in the marketing of the product, event, schemes, organization and catching the attention of the customers. So due to the vast scope of web development here we created a website for the

ISSN : 2278-6848

© International Journal for  
Research Publication and Seminar

annual function of Priyadarshini Institute of Engineering and Technology called as Saptarang. This website contains the pictures and videos of performances and memorable moments of this event. The visitors visiting the website have to choose their preferences and the required results will be produced.

Different softwares and languages are used in the production of this project. SQL is one of the language used to manipulate the database. The task of updating the data on the database and retrieving the data from the database is done with the help of SQL statements[1,2]. SQL is used to perform various activities related to database such as-storing, updating, retrieving and executing queries in the database.

Hypertext Markup Language is used to create web pages[3].

ASP.NET is the language used in making of this project. It is a user-friendly language which is very easy to learn and use. This language provides the feature of editing, updating and managing the SQL server database[4].

**Project Scope:** This website is for the annual function of PIET college. It consists of all the pictures and videos of this function. The website contains data of past few years and will be updated every year after the event. The visitor has to choose the year and then the data is distinguished into the different departments. The visitor has to choose the department and he can now view the required data. This is a user-friendly website and is beneficial for students as well as faculty members to keep a record and enjoy the highlights of the event.

### **User Requirements**

- The user must have internet connection.
- The user must have an efficient and secure web browser.
- The user must register themselves to fill in the feedback form.
- The user must be clear about his preferences and choose the correct options to get the desired results.
- The user should fill the feedback form correctly.

### **Literature Survey:**

- Traditional methods for preserving data:- We are in the 21<sup>st</sup> century and this is the era of digitization. Traditionally the data is stored in the form of soft copy or in the tangible form. Soft copy refers to the storage of data in pendrives, CDs, DVDs, hard disks and mobile phones whereas the tangible form refers to the storage of data on papers, files and albums.
- Problem in the traditional system:- Preserving data in the traditional manner becomes troublesome for the user. If the material stored is in tangible form then the user has to manage and protect it so that it remains safe whereas if the material is in the form of soft copy the data can perish if there is a system or hardware failure and also a lot of space is utilized to store the data which causes problem for the user. Most of the material stored is not even viewed for a long duration or used regularly and so the space allocated for such a material is wasted.
- Solving the problem:- So there must a platform where we can view the data whenever we want to see it without actually storing it ourselves. This reduces the amount of space required for storage and also reduces the work of managing the material on the part of the user.

- **Implementation in the real-time:-** This website of Saptarang is exclusively meant for the annual function of PIET which will consist of all the pictures and videos of students, performances, major events, etc. The students can go through the content on the website whenever they want to by simply entering the particular year and choosing the department they are interested in. This website will show them all the snaps and the videos they require. This way their space is also saved as they can just visit the website with their browser and go through the contents whenever they feel like. With the help of this website they can keep their memories safe forever and go through the contents by using their internet connection.

**Software Requirements:-** The software required for this project includes Visual Studio, MySQL database, operating system and the other hardware required for supporting the above softwares.

**Proposed work:-** The website mentioned above is an easy to use website and very much efficient for the users. The main aim for the development of this website is to enable students and all the people associated with the college to easily view and obtain the required contents or data of their prestigious annual function and refresh their memories whenever they wish to.

## Result

The snapshots of the output screens are:-

### Home Page



### Department of Computer science and Engineering page:



### SAPTRANG (Annual Cultural Fest)

#### Department of Computer Science & Engineering

- folk dance
- fashion show
- flash mob



The Department of Computer Science and Engineering was established in 2002 with a view of imparting state of the art education in cutting edge technologies of the world. The sanctioned intake in 2002 was 60 students per year. The Department has since seen tremendous growth in all areas. The Computer Science and Engineering department is housed in an ultramodern complex, and has well equipped laboratories. Computer Science and Engineering Department got AICTE approval for the Post Graduation Course, M.Tech in Computer Science and

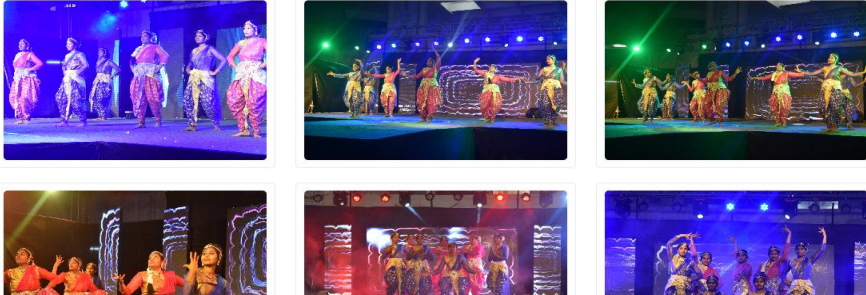
### CSE folk dance 2018 photos:

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S  
**PRIYADARSHINI INSTITUTE OF ENGINEERING & TECHNOLOGY**

[home](#) [Departments](#) [Contact Us](#) [About Us](#)

#### Department of Computer Science & Engineering - folk dance 2018

Photos



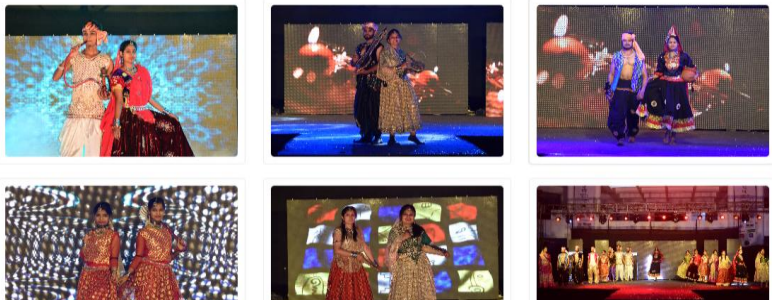
### CSE Fashion show 2018 photos:

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S  
**PRIYADARSHINI INSTITUTE OF ENGINEERING & TECHNOLOGY**

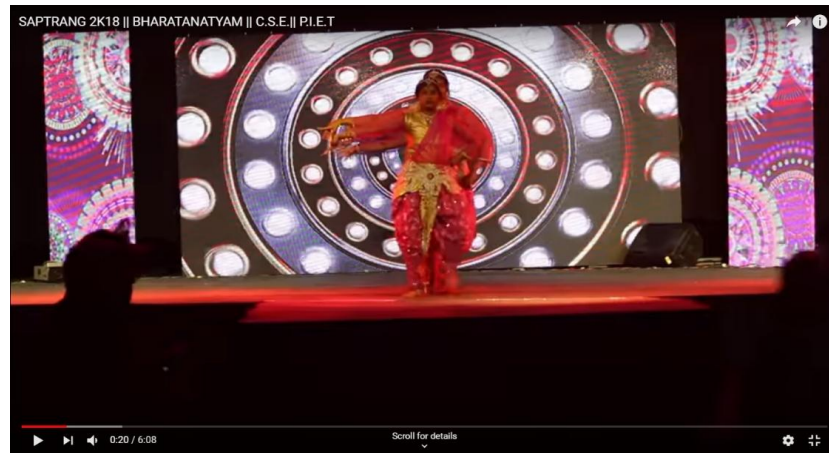
[home](#) [Departments](#) [Contact Us](#) [About Us](#)

#### Department of Computer Science And Engineering - fashion show 2018

Photos



### Cse folkdance 2018 video:



### Conclusion:-

There has been observed a great progress in the field of website designing and development in the past few years. This is the era of digitization and almost every person is having a computer, laptop or a mobile at their place with a fast internet connection. So this website can be easily browsed as per the need. This website is going to be extremely beneficial for the people related to the college to view the contents of their grand annual function. This website will help them cherish their memories of the event. All they need to do is enter the year and the name of the department. The users can also fill in the feedback form and give their suggestions and also present their opinions. This website can also be used by the college for the promotion of the event as any visitor can visit the website and gather the information regarding the event at absolutely no cost. So in all it is a user friendly website for free.

### References:

1. Dedi Iskandar Inan, Ratna Juita: Analysis and Design Complex and Large Data Base using MySQL Workbench. International Journal of Computer Science & Information Technology (IJCSIT) Vol 3, No 5, Oct 2011.
2. Lightstone, Sam., Teorey, Toby. And Nadeau, Tom. (2007) "Physical Database Design: The Database Professional's Guide to Exploiting Indexes, Views, Storage, and More", Publisher: Morgan Kaufmann.
3. T.N.Sharma, Priyanka Bhardwaj, Manish Bhardwaj: Differences between HTML and HTML 5. International Journal Of Computational Engineering Research (ijceronline.com) Vol. 2 Issue. 5.
4. Shunfu Hu, Ting Dai: Online Map Application Development Using Google Maps API, SQL Database, and ASP.NET. International Journal of Information and Communication Technology Research, Volume 3 No. 3, March 2013.