

Project Report

SESSION: 2021-24

E-learning Website for Students

Prepared For

DIPLOMA STUDENT GROUP 6TH SEM

BALASORE SCHOOL OF ENGINEERING,BALASORE

Project Guide by

SKMP PROJECT MANAGEMENT TEAM AND SUPERVISER OFFICER

Through

Balasore School Of Engineering
Computer Sc. & Eng.DEPT

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Project Profile

Project Title: - E-Learning Website

Description: - This website is created by using HTML, CSS and JavaScript for the purpose of providing free courses online and notes to the students.

Tool Utilized:-Notepad++ and Notepad.

Platform Utilized :- Microsoft Window 7 and 10.

Project Team Size :- 8

Created By :- CSE STUDENTS (6TH SEM)

Guided By :- Mr. Pradeep Kumar Giri

Introduction to HTML

- **HTML** stands for Hyper Text Markup Language. It is used to design web pages using markup language. HTML is the combination of Hypertext and Markup language.
- HTML is a markup language which is used by the browser to manipulate text, images and other content to display it in required format.

ADVANTAGES OF HTML

- HTML helps to build structure of a website and is a widely used Markup language.
- Every browser supports HTML Language.
- HTML is light weighted and fast to load.
- HTML is simple to edit as being a plain text.
- It is easy to learn.
- It is fast to download as the text is compressible.

Introduction to CSS

- Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.
- CSS is easy to learn and understand but it provides a powerful control over the presentation of an HTML document.

ADVANTAGES OF CSS

- CSS plays an important role, by using CSS you simply got to specify a repeated style for element once & use it multiple times as because CSS will automatically apply the required styles.
- The main advantage of CSS is that style is applied consistently across variety of sites. One instruction can control several areas which is advantageous.
- It helps to form spontaneous and consistent changes.
- It reduces the file transfer size.
- Easy for the user to customize the online page.

Introduction to JavaScript

- JavaScript is an interpreted programming as well as a scripting language.
- JavaScript is often executed directly in a client's browser commonly utilized in web development.

ADVANTAGES OF JavaScript

- Compatible for all browsers: The biggest advantage of JavaScript having the ability to support all modern browsers
- Saves time and bandwidth
- Easy to use: It is not difficult to start working in JavaScript
- Vastly used: JavaScript is employed everywhere on the web.
- Open source: Many open-source projects provide useful help for developers to add JavaScript.

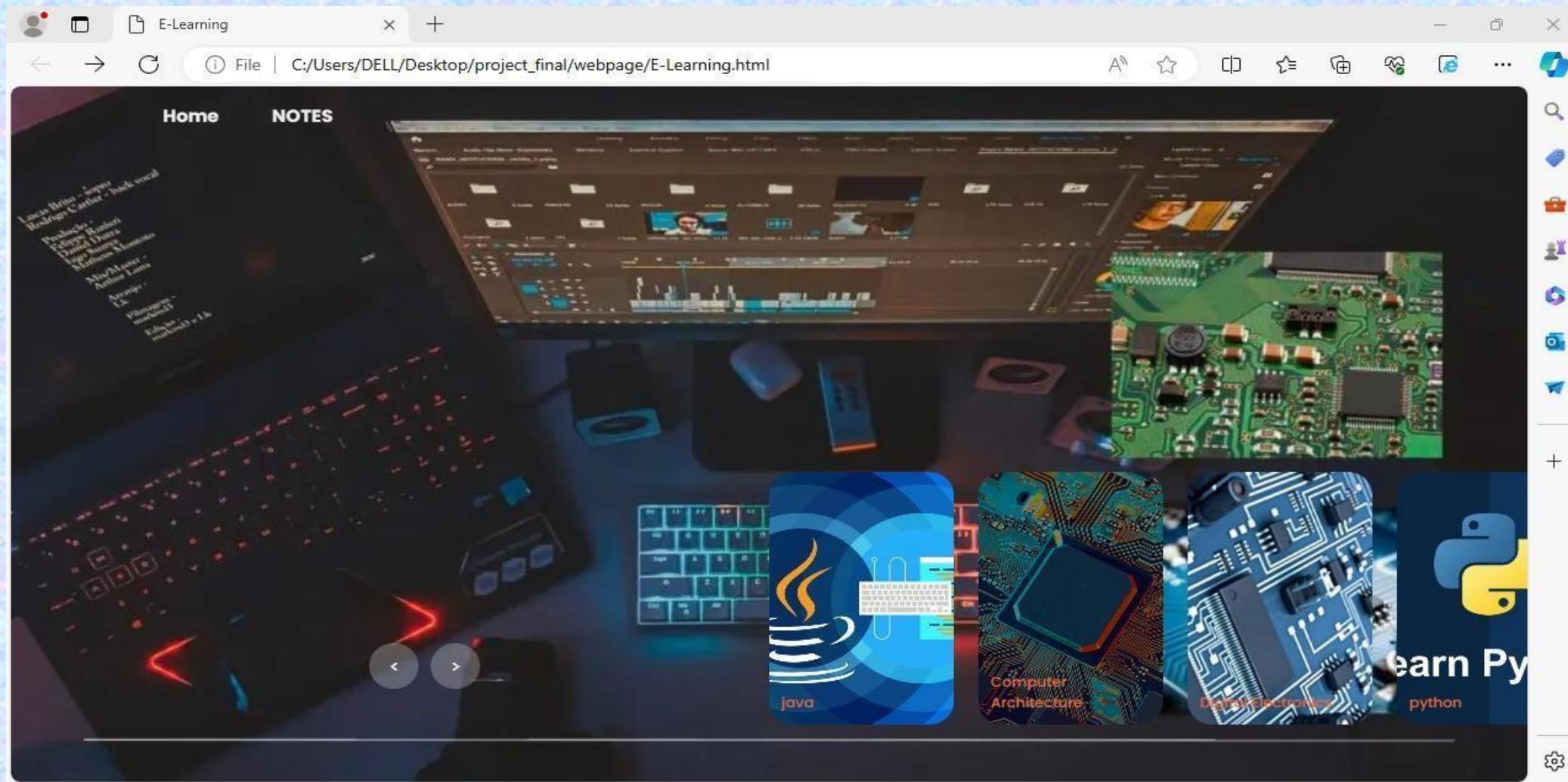
Benefits of the Project

- In e-learning the most important point is the time savings.
- The learner is no longer dependent on fixed teaching times and thus can classify the learning phases independently.
- He can learn during working hours, in small breaks, as well as on weekends or at night.
- Learning at your own pace, independent of the other learners.
- The learner can learn virtually anywhere like at home, at university, on the train or on the go in the park.
- The learner can freely divide his or her learning phases according to his / her individual wishes.
- Long-term usable and updatable training materials along with accurate reporting on training and automated analysis of results through tracking.

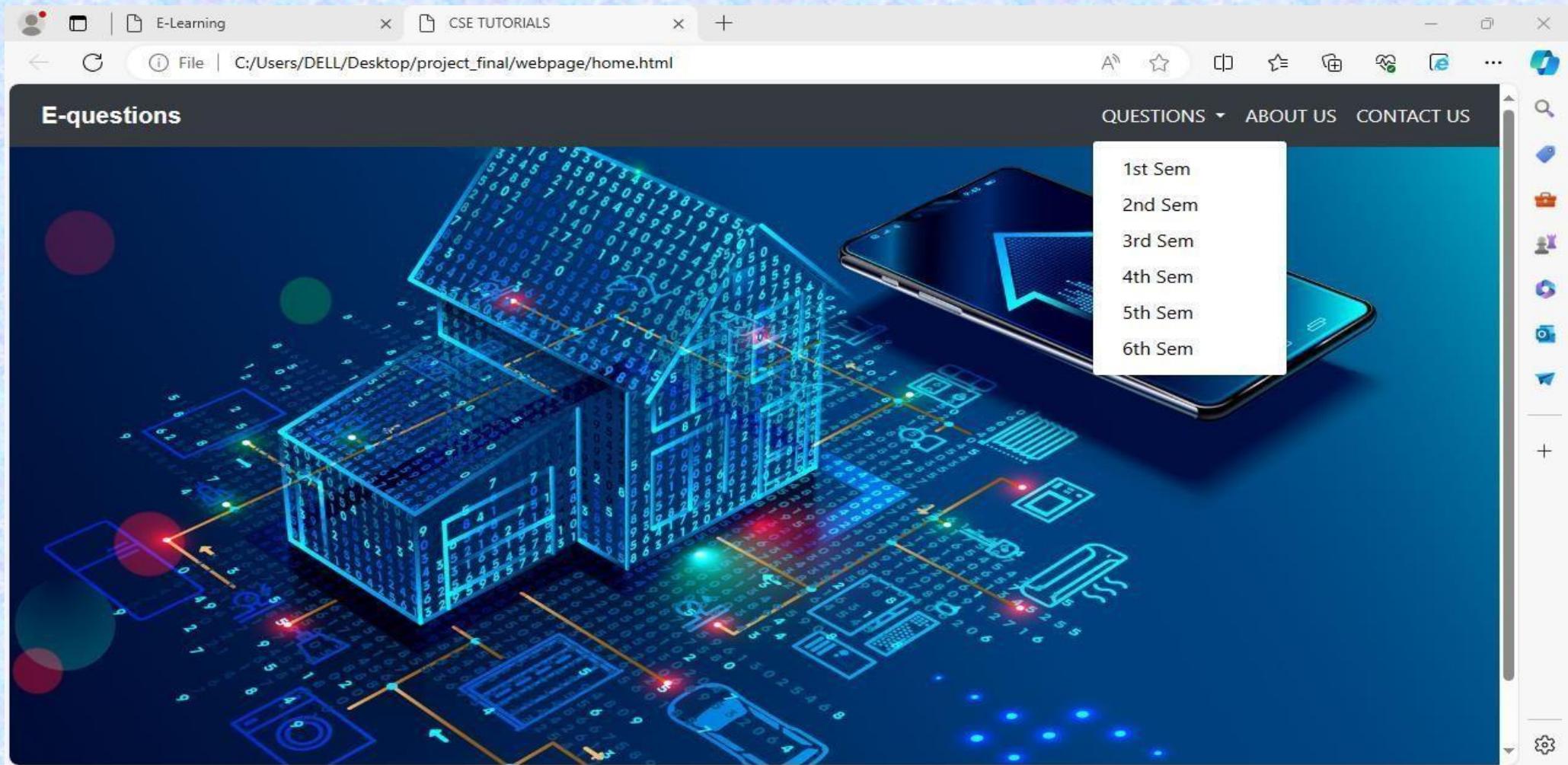
Limitation

- Although E-learning has many benefits for students and organizations, it also has limitations.
- Some topics are not appropriate for E-learning. Certain subjects like sports cannot be explained through E-learning.
- Loss of human contact- The E-learning system will replace a friendly face.
- Development time and cost- E-learning systems take more time and more money to develop than expected.

Home Page



Links to all Subjects



Choose a Page : DBMS

The screenshot shows a web browser window with three tabs open, all titled "CSE TUTORIALS". The active tab displays a page about Database Management Systems (DBMS). The page has a dark header bar with "HOME" on the left and "NOTES", "ABOUT US", and "CONTACT US" on the right. A vertical toolbar on the right side contains icons for search, file, folder, and other functions. The main content area features a section titled "Database Management System (DBMS)" with a definition. Below it, there are sections for "Database", "Persistent", and a list of characteristics.

CHAPTER 1

CHAPTER 2

CHAPTER 3

CHAPTER 4

CHAPTER 5

Database Management System (DBMS):

A database management system consists of a collection of related data and refers to a set of programs for defining, creating, maintaining, and manipulating a database.

Database:

A database is an organized collection of related data of an organization stored in a formatted way which is shared by multiple users.

- i. It must be well organized
- ii. It is related
- iii. It is accessible in a logical order without any difficulty
- iv. It is stored only once. For example, consider the roll no, name, address of a student stored in a student file. It is a collection of related data with an implicit meaning.
- v. Data in the database may be persistent, integrated, and shared.

Persistent:

If data is removed from the database due to some explicit request from the user.

Choose a Page : IOT

The screenshot shows a web browser window with two tabs open, both titled "CSE TUTORIALS". The left tab's URL is "C:/Users/DELL/Desktop/project_final/webpage/iot/1st.html". The main content area displays a dark-themed website for "CSE TUTORIALS". On the left, there is a vertical sidebar with five white rectangular buttons labeled "CHAPTER 1", "CHAPTER 2", "CHAPTER 3", "CHAPTER 4", and "CHAPTER 5". At the top of the main content area, there is a navigation bar with "HOME" (highlighted in blue), "NOTES", "ABOUT US", and "CONTACT US". Below the navigation bar, the title "1. INTRODUCTION TO IoT" is displayed in large, bold, black font. The main content of the page is a bulleted list of points about the Internet of Things (IoT) and its ecosystem.

1. INTRODUCTION TO IoT

- Today the Internet has become ubiquitous, has touched almost every corner of the globe, and is affecting human life in unimaginable ways.
- We are now entering an era of even more pervasive connectivity where a very wide variety of appliances will be connected to the web.
- One year after the past edition of the Clusterbook 2012 it can be clearly stated that the Internet of Things (IoT) has reached many different players and gained further recognition. Out of the potential Internet of Things application areas, Smart Cities (and regions), Smart Car and mobility, Smart Home and assisted living, Smart Industries, Public safety, Energy & environmental protection, Agriculture and Tourism as part of a future IoT Ecosystem (Figure 1.1) have acquired high attention.
- **IoT Ecosystem.**
- We are entering an era of the "Internet of Things" (abbreviated as IoT). There are 2 definitions: First one is defined by Vermesan and second by Peña-López
 1. The Internet of Things as simply an interaction between the physical and digital worlds. The digital world interacts with the physical world using a plethora of sensors and actuators.
 2. Another is the Internet of Things is defined as a paradigm in which computing and networking capabilities are embedded in any kind of conceivable object.
- We use these capabilities to query the state of the object and to change its state if possible

Choose a Page : Contact Us

The screenshot shows a web browser window with three tabs: "E-Learning", "CSE TUTORIALS", and "Contact Information". The "Contact Information" tab is active, displaying a page titled "Home". The page contains two sections: "College Contact:" and "Department of Computer Science Contact:". Both sections are presented as tables.

Contact Information

College Contact:

Office	Contact Number
College Office	06782-260610
Principal	+91-8763368435
Admissions Office	+91-8280042543

Department of Computer Science Contact:

Name	Contact Number
Head of Department (HOD)	Priyanka Panda - +91-7008245595
Subhashish Das	+91-94381111354
PRADEEP KUMAR GIRI	+91-9090165686
SUVENDU NAYAK	+91-9040271490
SUBHASHREE BEHERA	+91-7853860691

Conclusion

- ❖ E-learning is not just a change of technology. It is part of a redefinition of how we as a species transmit knowledge, skills and values to younger generations of workers and students.
- ❖ This website has been designed in a such a way to make it very user-friendly.
- ❖ It provides online courses as well as notes every time the user needs.
- ❖ Any person having a little bit of computer knowledge can also access the data without any pain.

THANK YOU

FOR YOUR APPRECIATION