SUMMER INTERNSHIP REPORT

ON

"CPTEL WEBSITE FOR CDAC"

Submitted By

Ashadul Islam

Under the guidance of

Dr Ritu Kapur

Centre for Development of Advanced Computing, Silchar

Production Building, NIT Silchar Campus, NIT Road, Silchar, Assam 788010

DECLARATION

I hereby declare that the contents in this report are correct up to our knowledge and have been put down after research analysis.

Date:

Place:

(Ashadul Islam)

ACKNOWLEDGEMENT

I would like to express my deepest appreciation to all those who provided us the possibility to complete this report. I am highly indebted to Dr. Ritu Kapur, Project Engineer, Centre for Development of Advanced Computing (C-DAC), Silchar for building the foundation of the project and also for her full effort in guiding the team in achieving the goal as well as encouragement to maintain our progress in track.

Date:

Place:

(Ashadul Islam)

CONTENTS

CHAPTER 1: INTRODUCTION

1.1 INTRODUCTION :

As a full-time student at Barak Valley Engineering College, Nirala, Karimganj, I was provided an opportunity to undertake an internship at Centre for Development of Advanced Computing (CDAC), Silchar. The degree towards I am currently studying is a Bachelor of Engineering in Computer Science and Engineering (CSE). This report is a description of my internship carried out as a compulsory component of the course at Centre for Development of Advanced Computing (CDAC). In the following chapter details of tools and technology used and an overview is given. Afterwards, I explain my role and tasks as a trainee and give specific technical details about my main tasks.

1.2 OBJECTIVE:

The objective of our project is to build CPTEL website for CDAC which will function like NPTEL website.

1.3 Tools and Technology Used:

Various tools and technologies were used during our internship.

Some of them are listed below:

1.3.1 HTML:

HTML stands for Hyper Text Markup Language.HTML is the standard markup language for creating Web pages.HTML describes the structure of a Web page.HTML consists of a series of elements.HTML elements tell the browser how to display the content. This let us control nearly everything on the website. Building the website from the core using amarkup language, made accessing and modifying the code easier than with other platforms like WordPress and Wix. Moreover, this makes it much more flexible when integrating certain additional features even in the future scope.

1.3.2 CSS:

CSS describes how HTML elements should be displayed. CSS was essential for content styling and positioning needs. Learning css gave us the flexibility of changing the look of the pages as often as we liked without ever altering the content.

1.3.3 JAVASCRIPT:

JavaScript is a lightweight, cross-platform and interpreted scripting language. It is well-known for the development of web pages; many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. With the designing and contents made we needed to make the page more interactive, we used javascript to do that. JavaScript added functionality, it is responsible for elements that the user can interact with, such as drop-down menus, modal windows, create animations, video players and such components.

1.3.4 BOOTSTRAP:

Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

1.3.5 EDITOR USED:

Visual Studio Code is used for coding purpose.

1.3.6 VIDEO EDITOR USED:

Openshot video editor is used for editing course video. OpenShot Video Editor is a free and open-source video editor for Windows, macOS, Linux, and Chrome OS. The project started in August 2008 by Jonathan Thomas, with the objective of providing a stable, free, and friendly to use video editor.

CHAPTER 2: INTERNSHIP WORK UNDERTAKEN

2.1 Roles and Responsibilities:

As an intern my responsibility at Centre for Development of Advanced Computing (CDAC), Silchar, is to build the front end of various pages and video editing. For this required core knowledge about HTML, CSS, JAVASCRIPT, Video editing etc. The main responsibility was to ensure that the web pages designed must appeal to the desired target audience and, as a result, catches their attention and also include a working knowledge of different web browsers.

CHAPTER 3: RESULTS

3.1 CPTEL Home page:
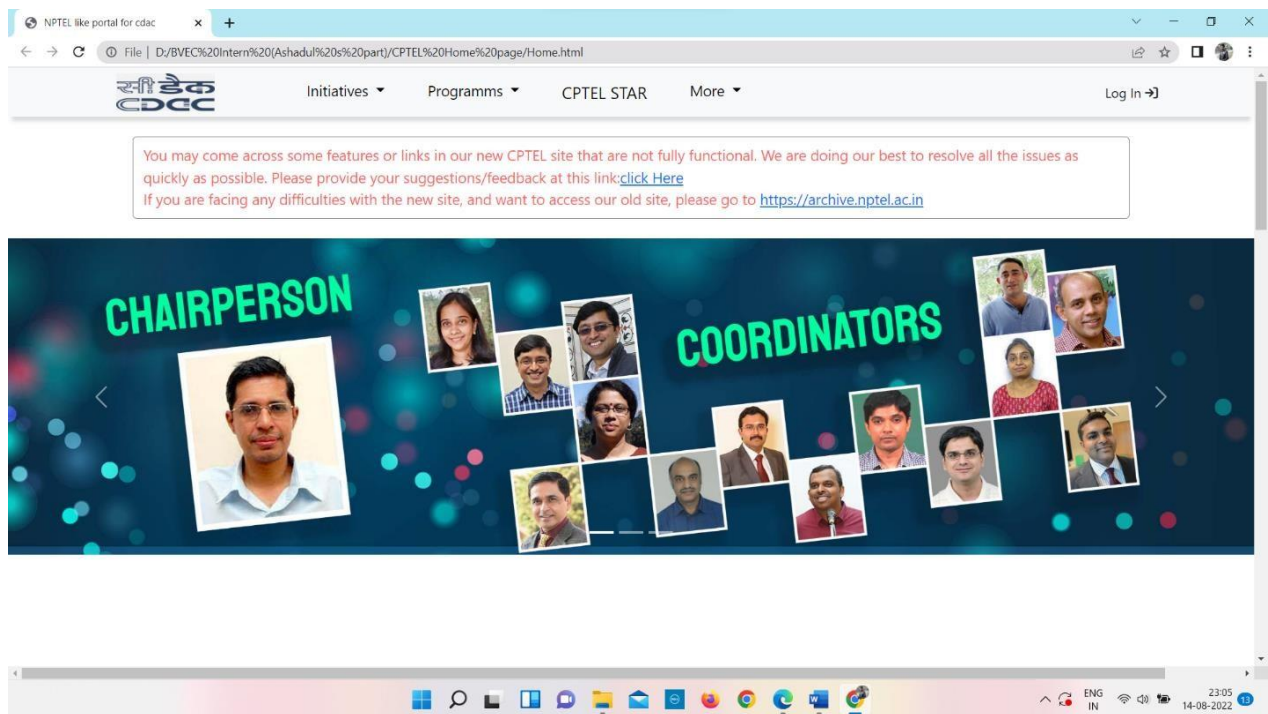
Fig3.1.1-Home page

Fig 3.1.2 Home page
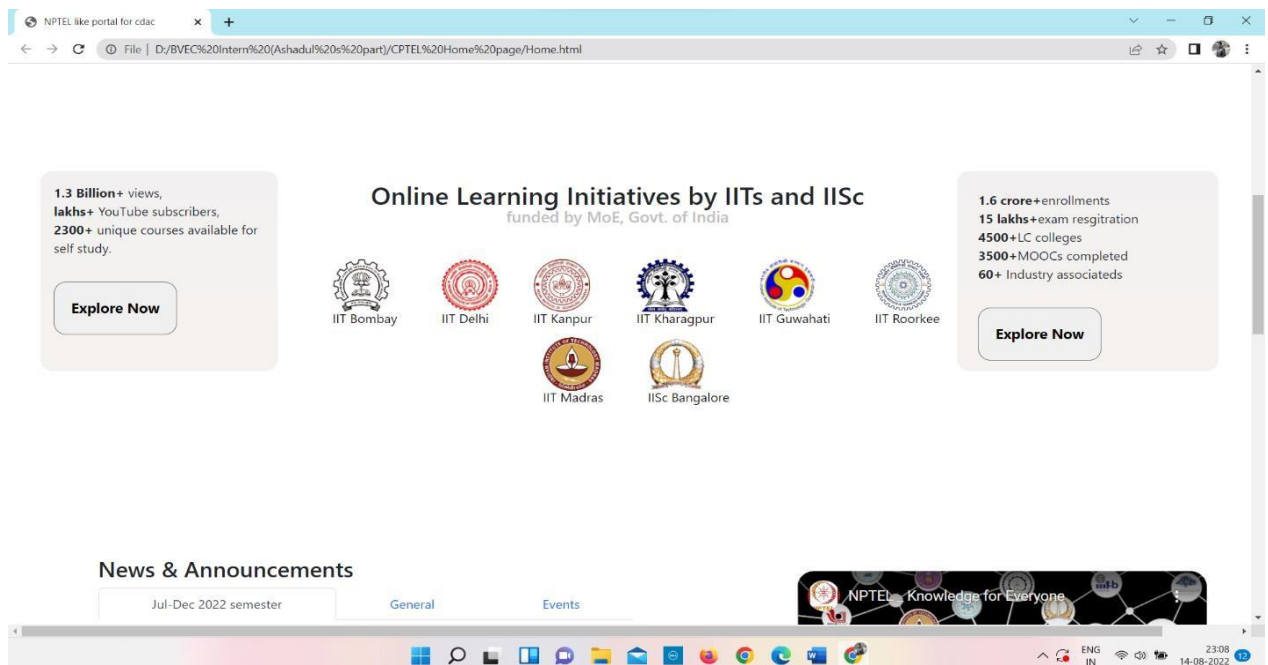
Fig 3.1.3-Home page

Fig 3.1.4-Home page

3.2 CPTEL Domain page:
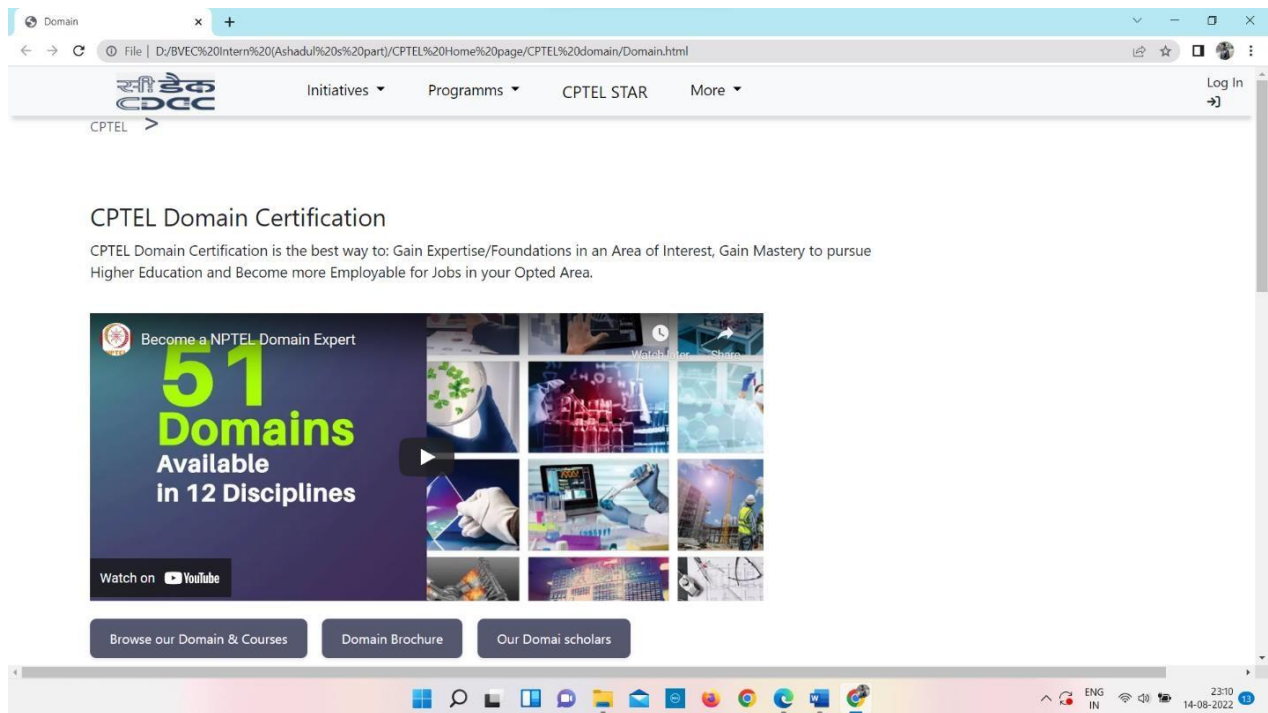
Fig 3.2.1-Domain page
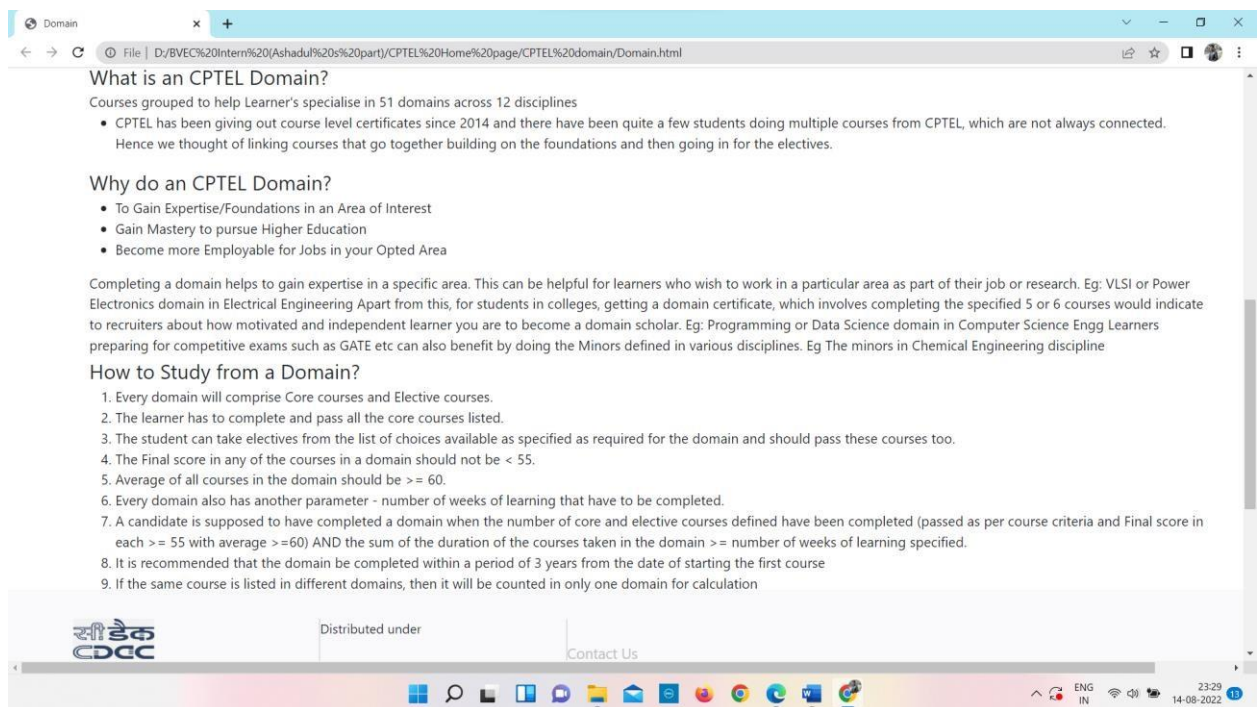
Fig 3.2.1-Domain page

3.3 CPTEL Special lecture series:

Fig 3.3.1-Special lecture series page

Fig 3.3.2-Special lecture series page

Fig 3.3.3-Special lecture series page

CPTEL - SPECIAL LECTURE SERIES/EVENTS

| SPECIAL LECTURE SERIES | ARCHIVE LIVE SESSION | NON CPTEL EVENTS/LIVE SESSION |

| REASEARCH/TECHNOLOGY | CAREER | GENERAL |

Career

S.No	Date	Topic	Speaker	Designation/Profession	Organization	YouTube Link
1	April 14,2020	What does a future in journalism entail? Career options available for students.	Srinivasan Ramani	Deputy National Editor	The Hindu	Click here
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Fig 3.3.4-Special lecture series page

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| SPECIAL LECTURE SERIES | ARCHIVE LIVE SESSION | NON CPTEL EVENTS/LIVE SESSION |

| REASEARCH/TECHNOLOGY | CAREER | GENERAL |

General

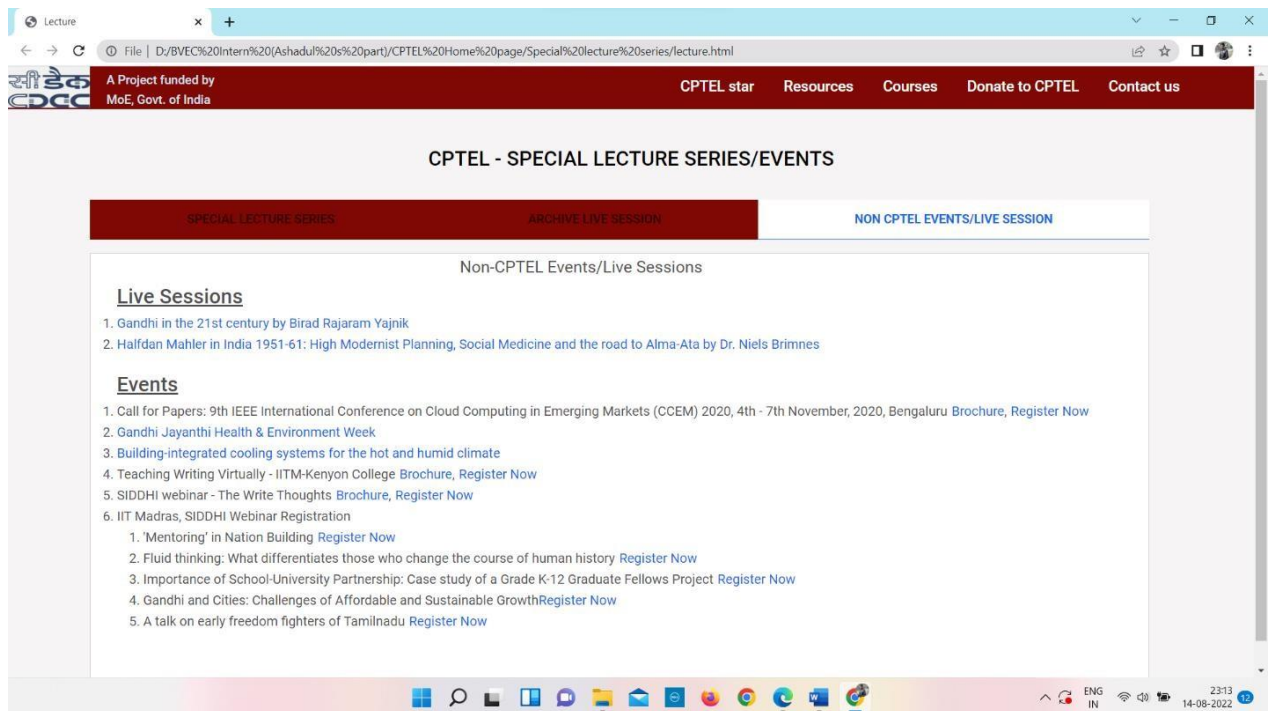| S.No	Date	Topic	Speaker	Designation/Profession	Organization	YouTube Link
1	April 13,2020	Film Sense.	Badri Venkatesh	Film Director	Flim Industry	Click here
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Fig 3.3.5-Special lecture series page

3.4 Edited Video:

Fig 3.4.1-Edited video