

Project Report

Product Name	Advanced Certificate in Web Development
Qualification Name (NICF)	ITSF - Advanced Certificate in Information Technology (Application Development)
Product Name	Front End Web Development
Module Name (NICF)	ITSF - Front End Web Development

Student name		Assessor name	
Chathuhi Dilhari		Mr.Bhagya Battage	
Date issued	Completion date	Submitted on	
31.03.2022	07.05.2022	11.05.2022	

Project title	Development of website for a Training Organization
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Learner declaration	
I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.	
Student signature: Chathushi	Date:10/05/2022

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1. Project Background

➤ Project Definition

The websites come in a nearly endless variety, including educational sites, news sites, social media sites and so on. According to above website this is a educational site named ABC Learning Centre. The ABC Learning centre was formed in response to learning on person and increasing virtual rates.

➤ Project Objective

➤ Business Goals

- Increase new courses followers' reviews by 30% year over year
- Increase course fee by 4% over the next four months
- Increase student's enrollment by 60% within six months
- Develop and launch three new courses.
- Open new centers locations throughout the Sri Lanka

➤ User Goals

- Ensure that learners can obtain copies of their own (and only their) records on a timely manner.
- To learn more about the recognition of certification.
- To check for Institute's contact details.
- To check who are the mentors teaching and their qualifications for each other.
- To getting clearly understand of courses structures and lectures.

➤ Proposed Solution

- Provide 24/7 chat box, Hotline
- Design and Implement website
- Develop incentive pay plan

- Development Tool
 - Visual Studio Code – To coding the website

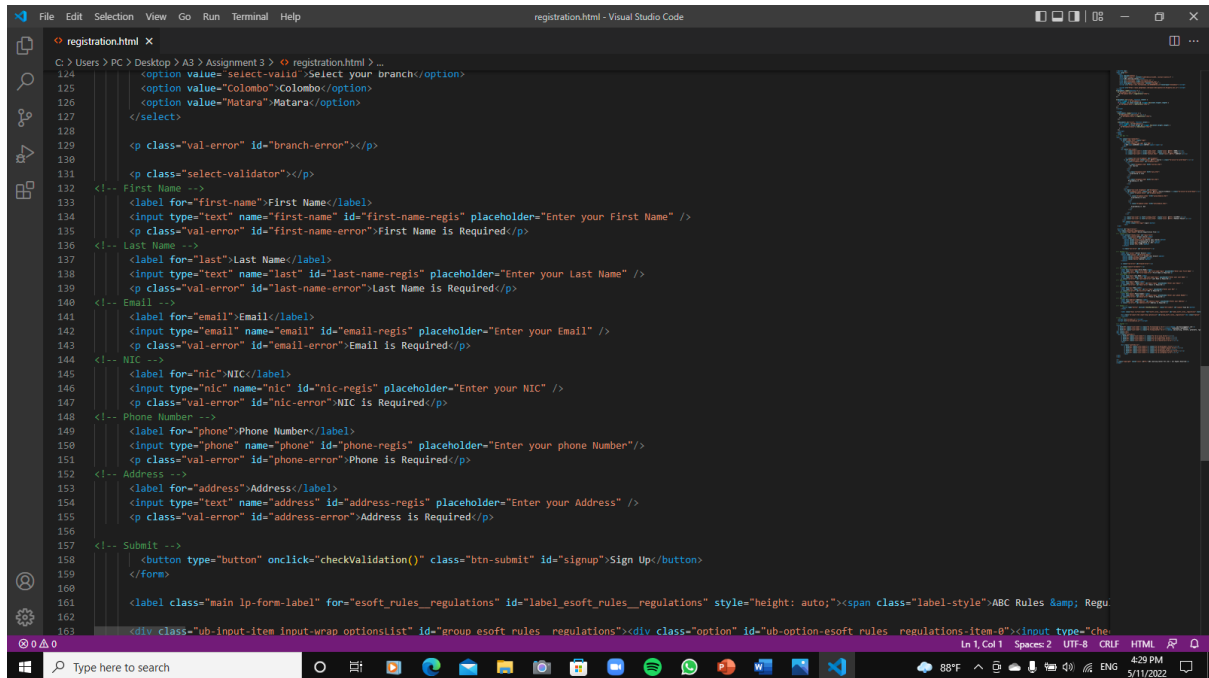


Figure 1: Screenshot of Visual Studio Code

- Microsoft Edge – To view the website

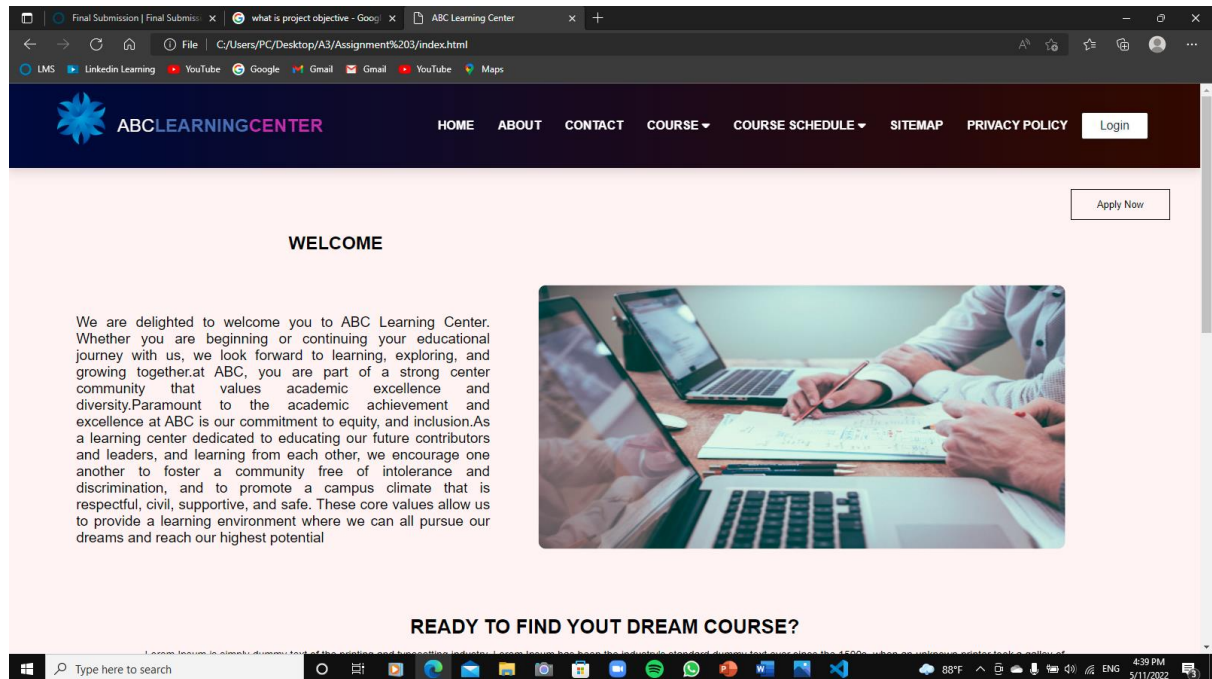


Figure 2: Screenshots of MS Edge

- MS word – To make Project Report

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Figure 3:Screenshot of MS Word

- MS power point – To make Information Architecture, Project Presentation

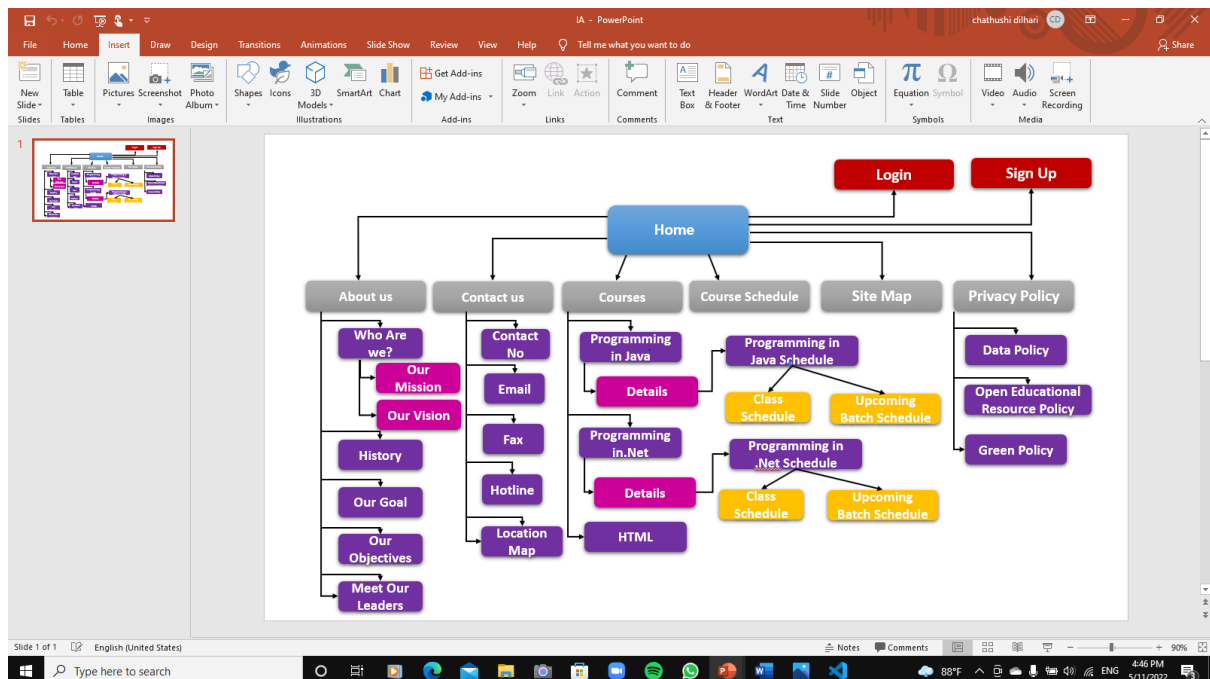
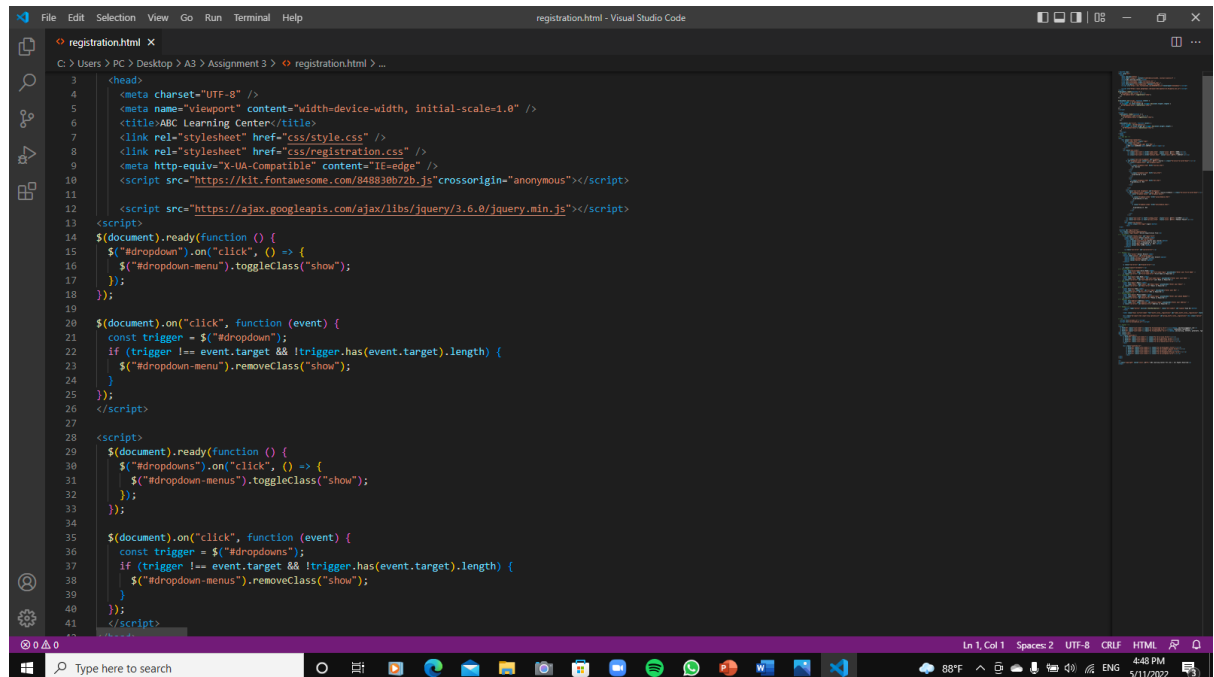


Figure 4:Screenshot of power point (IA)

- JQUERY- To develop Menus



```
1 <head>
2   <meta charset="UTF-8" />
3   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
4   <title>ABC Learning Center</title>
5   <link rel="stylesheet" href="css/style.css" />
6   <link rel="stylesheet" href="css/registration.css" />
7   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
8   <script src="https://kit.fontawesome.com/848838b72b.js" crossorigin="anonymous"></script>
9   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
10
11 </head>
12
13 <script>
14   $(document).ready(function () {
15     $("#dropdown").on("click", () => {
16       $("#dropdown-menu").toggleClass("show");
17     });
18   });
19
20   $(document).on("click", function (event) {
21     const trigger = $("#dropdown");
22     if (trigger !== event.target && !trigger.has(event.target).length) {
23       $("#dropdown-menu").removeClass("show");
24     }
25   });
26 </script>
27
28 <script>
29   $(document).ready(function () {
30     $("#dropdowns").on("click", () => {
31       $("#dropdown-menus").toggleClass("show");
32     });
33   });
34
35   $(document).on("click", function (event) {
36     const trigger = $("#dropdowns");
37     if (trigger !== event.target && !trigger.has(event.target).length) {
38       $("#dropdown-menus").removeClass("show");
39     }
40   });
41 </script>
```

Figure 5: Screenshot of jQuery coding

1. Task 1

01) **Project Scope**

- Lead Generation Form
- Lead Administration

02) **Project Out of Scope**

- Back up Site
- Responsive page for administration
- Integration with database

03) **Functional Requirements**

- Common Content
 - **Header** – A website header sits at the top of each page a few very important purposes. Header is a narrow strip in the top parts of the website that contained a logo, site name.
 -
 - **Footer** – Section of content at the very bottom of a website. According to my website it contains email, address, contact numbers, social media links and payment methods
 -
 - **Navigation** – It contain navigations such as home, about, contact and etc.
 -
 -
- **Home Page** – It is a default page of my website. It contains highlights, details etc.
- **About Us Page** – This page provides information (History, Mission, Vision, goals) of ABC Learning center
- **Courses List Page** – Courses offered from ABC learning center
- Course Details Page
 - **Programming in Java details** – This contains course programming in Java details, Entry requirements, commencements etc.
 - **Programming in .Net details** - This contains course programming in .NET details, Entry requirements, commencements etc.

- Course Schedule Page
 - **Programming in Java schedule** – This page contains course programming in Java class schedules, upcoming batch schedules.
 - **Programming in .Net schedule** - This page contains course programming in .NET class schedules, upcoming batch schedules
 -
- **Contact Us Page** – This page provides visitors with information on how they can get in touch with ABC learning Center.
- Lead Registration Form Page
 - **Select course** – visitors can select courses which they want
 - **Select branch** – Visitors can select branch that they want to study
 - First Name
 - Last Name
 - Email
 - NIC
 - Phone Number
 - Address
-
- **Lead Registration Thank You Page** – After successful registration visitor arrives this page.
- Lead Administration Page
 - **Edit** – To EDIT leads information
 - **Delete** – To DELETE Leads
 - **Add** - To EDIT and replace leads or to ADD new leads
- **Sitemap Page** – All Pages Links. Visitor can easily go to the pages that the want.
- **Privacy Policy Page** – ABC Learning center privacy policies such as green policy etc.

04) Non Functional Requirements

- Performance

ABC can reduce overall load time and load quickly, add video pop-ups to get more interest about courses

- 24/7 chat box, hotline
- Back up website data hourly
- Update site Monthly

05) Technical Requirements

- Software
 - Programming Languages such as HTML, CSS, JavaScript etc.
 - Applications – Chromes, Microsoft Edge, Balsamiq Wireframes
 - MS Offices – MS Word, MS Power point
- Hardware
 - Windows 10, Windows 11, IOS

2. Task 5

01) Effectiveness of the designed Lead Generation Administration System.

To the effectiveness of the designed lead generation Administration system the very first thing is, obstacles in providing the right source courses from past experience were no capability to verify any visited users if there any duplicated user or not and not able to manage user information so that company can promote their products. Administrative systems refer to systems and processes for filing and record keeping, office correspondence, visitor and phone call management, internal communication, financial management and other administrative duties. Those systems should be understood and followed by all staff members to ensure a smooth functioning of your organization.

For the effectiveness of lead generation form we can add validation to all details of the form. Such as First Name and Last Name cannot be blank, NIC no must have 12 digits, phone no must include 10 numbers, email must include '@,.' After add validations visitors cannot sign up the lead generation form without filling all the details.

Online Registration Form

Select Course
Select your course

Select Course
Select Branch
Select your branch

Select Course

First Name
Enter your First Name
First Name is Required

Last Name
Enter your Last Name
Last Name is Required

Email
Enter your Email
Email is Required

NIC
Enter your NIC
NIC is Required

Phone Number
Enter your phone Number

Donna Muthuraj is Developer

Figure 6: Validations of Lead Generation Form

After Sign Up the details goes to the Lead administration page and data stored in local storage. Only admins can see and handle the administration page. They (Admins) can *edit* leads, *delete* leads or *add* details. This is the one thing that do for the effectiveness of lead generation administration system.

First Name	Last Name	Email	NIC	Phone Number	Address	Action
Chathu	Dilhari	chathushi0707@gmail.com	200068901867	0742269976	"Ashanu" Thennapita, Aluthwela North, Diyathalwa	<button>Edit</button> <button>Delete</button>
Mesandi	Yuhansa	mesandi@gmail.com	123456789034	1234567890	"mesandi", colombo 8	<button>Edit</button> <button>Delete</button>
Lahiru	Perera	lahiru@gmail.com	0986457354	1234567890	bandarawela road, welimada	<button>Edit</button> <button>Delete</button>

ADD

Student Update

enter-fname
enter-lname
enter-email
enter-nic
enter-phone
enter-address

Edit

Figure 7: Screenshot of Lead Administration

02) effectiveness of the User interface according to 2 metrics

- - Understandability
- Look and feel and well-designed user interface attracts user and gives them knowledge of what to do next. This mean that the content should be understandable both by the users themselves and by assistive technologies such as screen readers.
-
-
-
-
- - Reliability
- The error messages of validations, educates and motivates user to enter correct credentials at a minimum attempt. When we determine the site's look, If a site looks poorly designed and amateurish chances is a bad for the site admins. It will break the visitors trust. For the effectiveness web designers have to design professional website using more highlights, proofs, reviews etc.

3. Task 7

01) USER GUIDE FOR LEAD GENERATION FORM

Step 1 - At the Home page click on **Sign Up** button

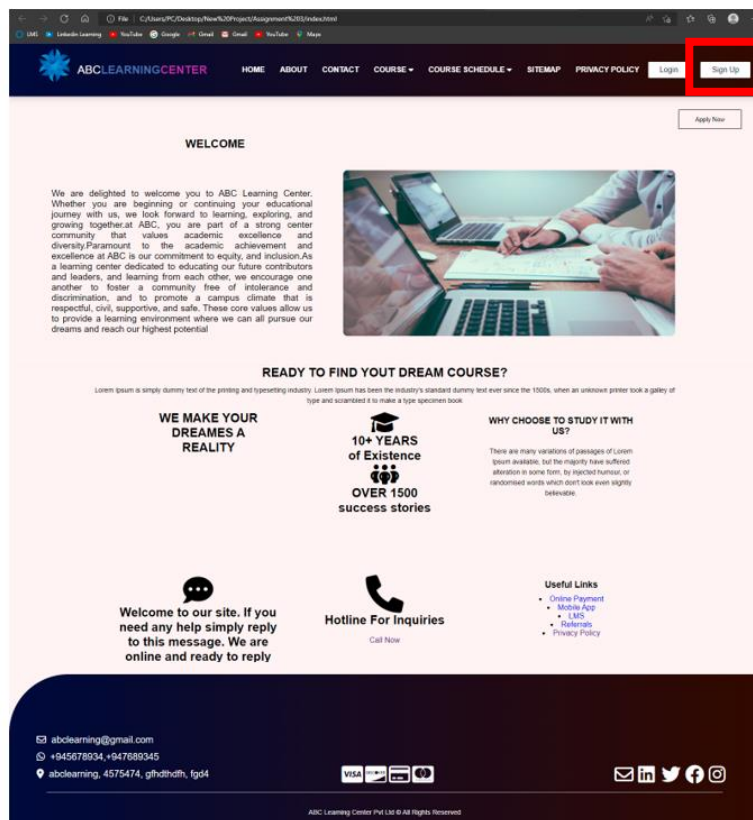
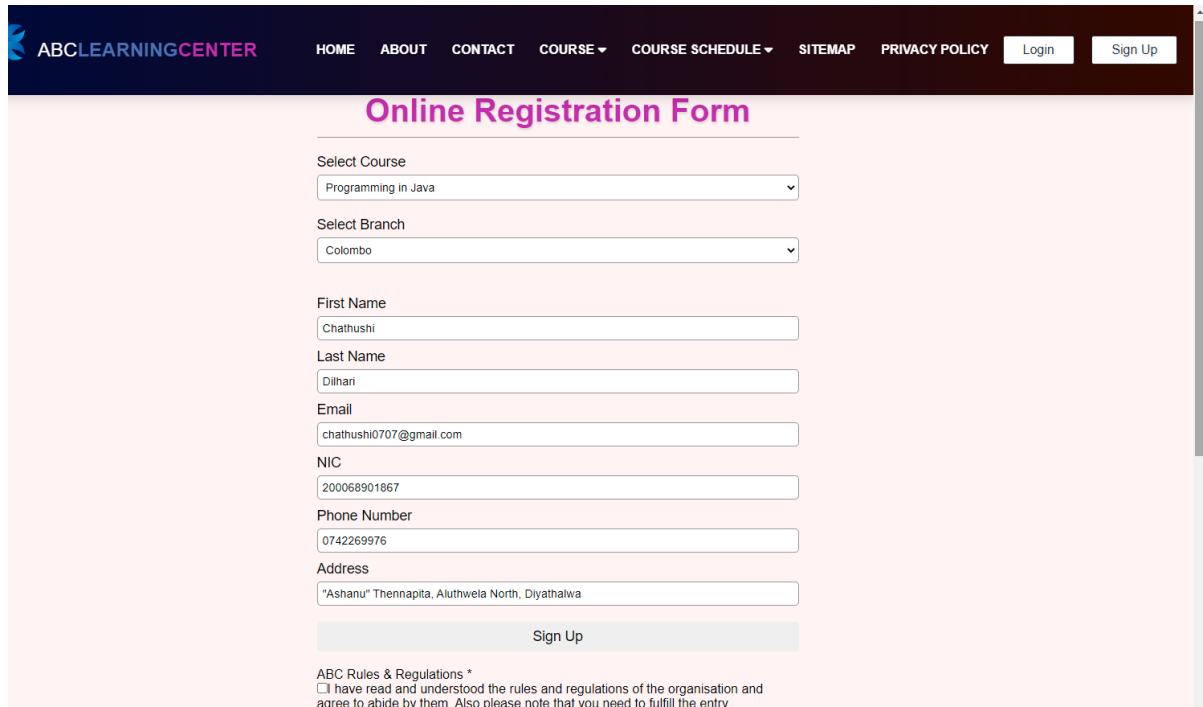


Figure 8: Screenshot of Home Page

Step 2 – Then Visitor will go to the Lead Generation page



The screenshot shows the 'Online Registration Form' on the ABC Learning Center website. The form is set against a light pink background. At the top, there is a dark blue navigation bar with the ABC Learning Center logo and links for HOME, ABOUT, CONTACT, COURSE, COURSE SCHEDULE, SITEMAP, and PRIVACY POLICY. There are also 'Login' and 'Sign Up' buttons. The form itself contains the following fields: 'Select Course' (a dropdown menu with 'Programming in Java' selected), 'Select Branch' (a dropdown menu with 'Colombo' selected), 'First Name' (text input with 'Chathushi'), 'Last Name' (text input with 'Dihari'), 'Email' (text input with 'chathushi0707@gmail.com'), 'NIC' (text input with '200068901867'), 'Phone Number' (text input with '0742269976'), and 'Address' (text input with 'Ashanu Thennapita, Aluthwela North, Diyathalwa'). A 'Sign Up' button is located below the address field. At the bottom of the form, there is a section for 'ABC Rules & Regulations' with a checkbox and a disclaimer text.

ABC Rules & Regulations *

☐ I have read and understood the rules and regulations of the organisation and agree to abide by them. Also please note that you need to fulfill the entry

Figure 9: Screenshot of Lead Generation Form

Step 3- Fill Up the Form

- Select Course
- Select Branch
- First Name
- Last Name
- Email
- NIC
- Phone Number
- Address

- ❖ Visitor cannot Sign Up without fill whole form because of the validation

The screenshot shows the 'Online Registration Form' on the ABC Learning Center website. The form is titled 'Online Registration Form' in pink. It contains several input fields with validation errors indicated by red text:

- Select Course:** A dropdown menu with the placeholder text 'Select your course'.
- Select Branch:** A dropdown menu with the placeholder text 'Select your branch'.
- First Name:** A text input field with the placeholder text 'Enter your First Name'.
- Last Name:** A text input field with the placeholder text 'Enter your Last Name'.
- Email:** A text input field with the placeholder text 'Enter your Email'.
- NIC:** A text input field with the placeholder text 'Enter your NIC'.
- Phone Number:** A text input field with the placeholder text 'Enter your phone Number'.

Red error messages are displayed below each field:

- Select Course:** Select Course
- Select Branch:** Select Course
- First Name:** First Name is Required
- Last Name:** Last Name is Required
- Email:** Email is Required
- NIC:** NIC is Required
- Phone Number:** Phone Number is Required

Figure 10: Screenshot of Lead Generation Validation

Step 4 – After filled the form visitor can sign up and after that visitor will come thank you page

The screenshot shows the 'Online Registration Form' on the ABC Learning Center website, now fully filled out. The form is titled 'Online Registration Form' in pink. The input fields contain the following data:

- Select Course:** Programming in Java
- Select Branch:** Colombo
- First Name:** Chathushi
- Last Name:** Dithari
- Email:** chathushi0707@gmail.com
- NIC:** 200068901867
- Phone Number:** 0742269976
- Address:** "Ashanu" Thennapita, Aluthwela North, Diyathalwa

A red rectangle highlights the 'Sign Up' button at the bottom of the form. Below the button, there is a checkbox for 'I have read and understood the rules and regulations of the organisation and agree to abide by them. Also please note that you need to fulfill the entry requirements for the specific course. Applications will be assessed individually and'.

Figure 11: Screenshot of full filled Lead Generation Form

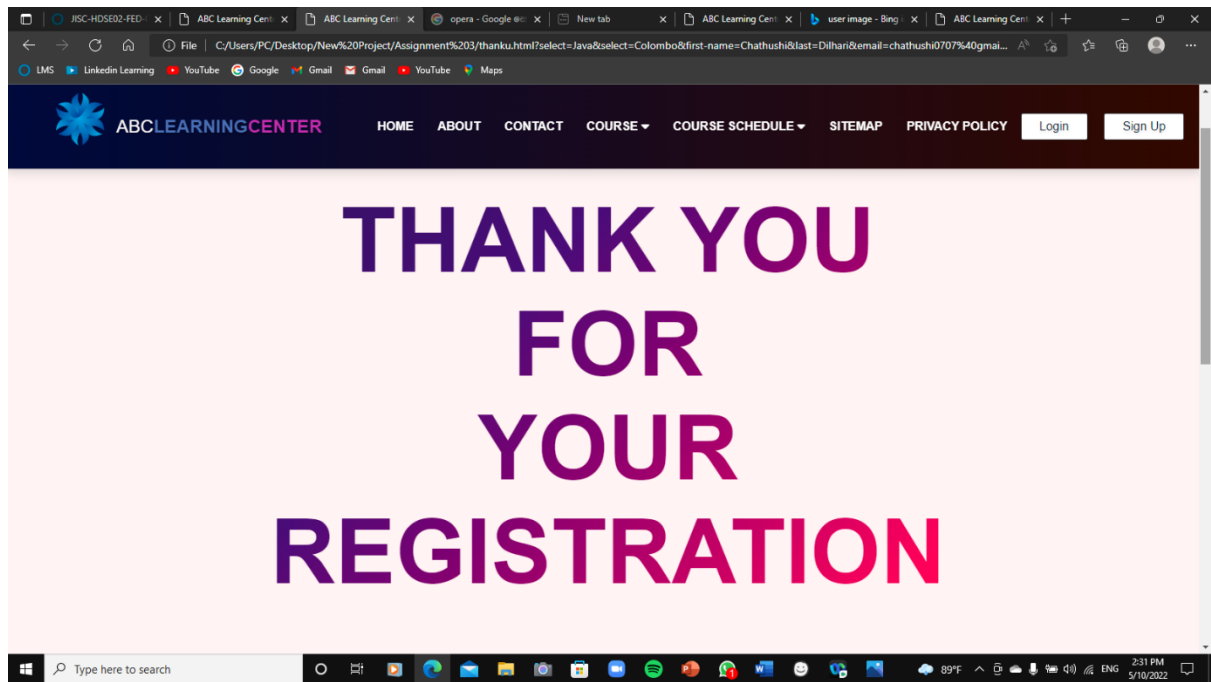


Figure 12: Screenshot of Thank You page

02) USER GUIDE FOR LEAD ADMINISTRATIVE SYSTEM

Step 1 – After successful registration lead's information saved in Local Storage

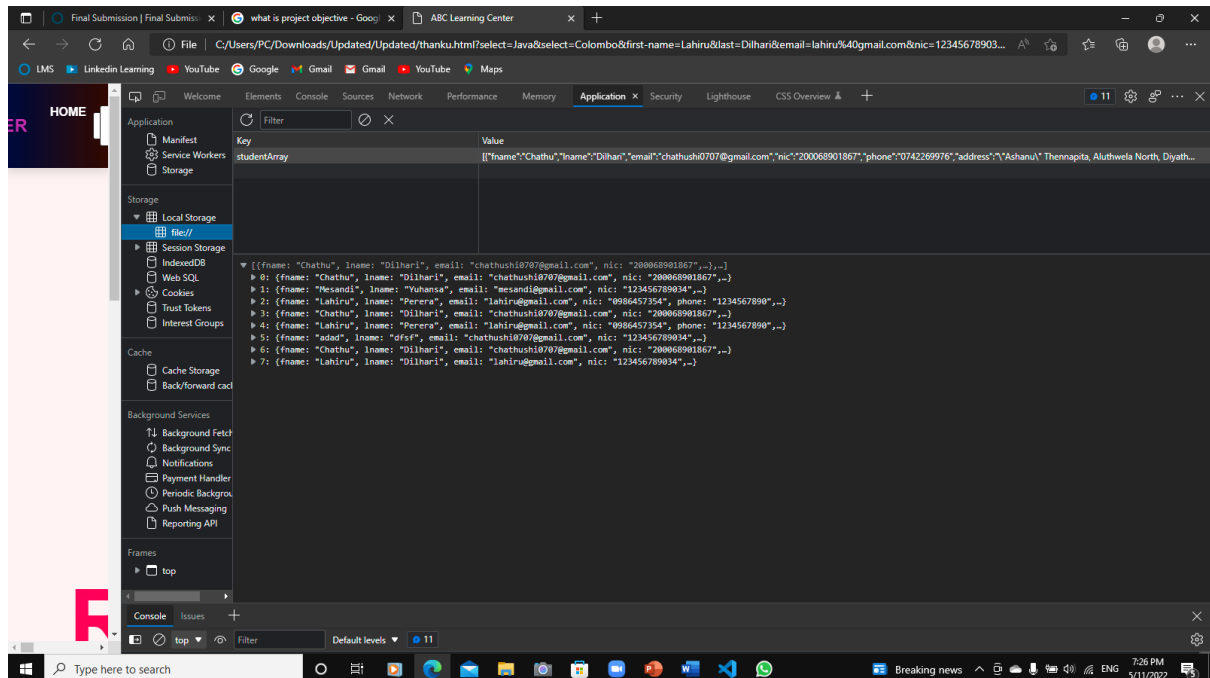


Figure 13: Screenshot of Local Storage

Step 2 – Lead's details stored in Lead Administration page

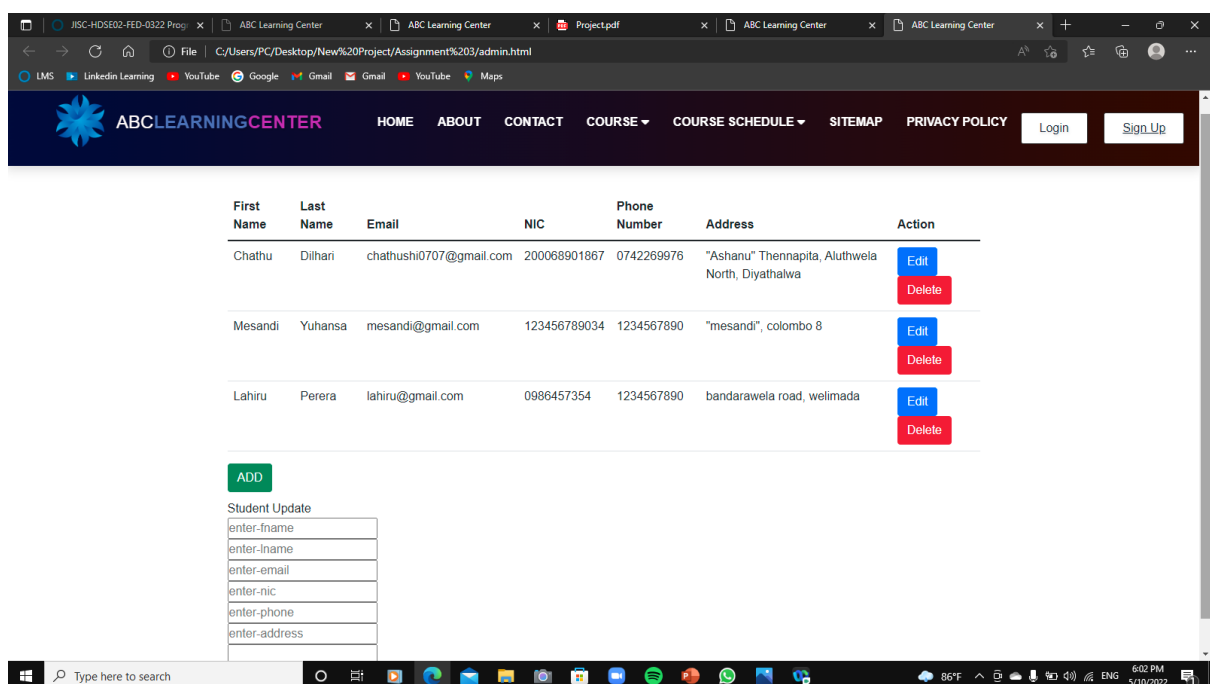


Figure 14: Screenshot of Lead Administration page

Step 3 – Admin can Edit or delete leads

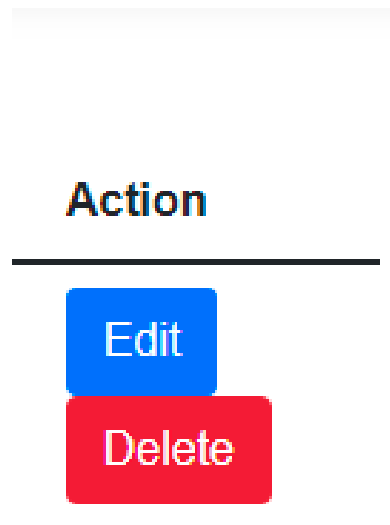


Figure 15: EDIT, DELETE Button in Lead Administration

When admin click the edit button the leads details appears in a new form.

Figure 16: Leads ADD EDIT Form in Lead Administration Form

Step 3 – Using this (Figure 15) form admin can add new leads, Edit and replace leads.

