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Approval by AICTE New Delhi, Recognized by the
Govt. of Maharashtra and Affiliated to MSBTE, Mumbai
NBA Accredited Programmes

Institute Code: 0141

Title of Micro project: "Design a web page of an Institute Admission Form."

Academic Year: 2021-22 **Program Code:** IF

Course: Client-Side Scripting Language **Course Code:** 22519

Submitted By:

Roll No	Student Name	Batch	Sign of Student
2313	SHANTANU JADHAV	IF-1	
2314	VIVEK JADHAV	IF-1	
2315	YASH KADAM	IF-1	

Under the Guidance of:

Mrs. V.R. Palandurkar

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CERTIFICATE

Certified that this micro project report titled **"Design a web page of an Institute Admission Form"** is the bonafide work of **Mr. Shantanu Jadhav, Mr. Vivek Jadhav, Mr. Yash Kadam** Roll no: **2313, 2314, 2315** of third year diploma in Information Technology for the course: **Client-Side Scripting Language** Course code: **22519** during the academic year **2021-22**, who carried out the micro project work under my supervision.

Mrs. V.R. Palandurkar

Name & signature of Course Teacher

ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to our friends our group members as well as our teachers, who gave us opportunity to do this wonderful micro project on the topic "**Design a web page of an Institute Admission Form"** which also helped us in doing a lot of Research and we came to know about so many new things we all thankful to all who help us doing this micro project.

Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S POLYTECHNIC, PUNE -1

INFORMATION TECHNOLOGY DEPARTMENT

VISION AND MISSION OF THE INSTITUTE

❖ **VISION:**

Achieve excellence in quality technical education by imparting knowledge, skills and abilities to build a better technocrat.

❖ **MISSION:**

M1: Empower the students by inculcating various technical and soft skills.

M2: Upgrade teaching-learning process and industry-institute interaction continuously.

VISION AND MISSION OF THE INFORMATION TECHNOLOGY DEPARTMENT

❖ **VISION:**

To enrich intellectual potential by imparting technical knowledge and skills to become an IT professional.

❖ **MISSION:**

M1: To confer the technical education and skills required for IT field.
M2: To imbibe social awareness in students to serve the society.

INFORMATION TECHNOLOGY DEPARTMENT

PROGRAM OUTCOMES (POs)

PO1 **Basic and Discipline specific knowledge**: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2 **Problem analysis**: Identify and analyze well-defined engineering problems using codified standard methods.

PO3 **Design/ development of solutions**: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4 **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO5 **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6 **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7 **Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSO)

The Diploma in Information Technology will prepare students to attain:

Students will be able to:

PSO 1: Use fundamental concepts of hardware and software systems.

PSO 2: Identify various career opportunities in IT field

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Annexure-I

Micro-Project Proposal

Title of the Project: "Design a web page of an Institute Admission Form."

1.0 Aims/Benefits of the Micro-Project:

Aim: -

1. To create event-based web forms using Java Script.
2. To create interactive webpage using regular expressions for validations.
3. To implement arrays and functions in Java Script.
4. To develop dynamic web pages using Java Script.

Benefits: -

1. Learned to create event-based web forms using Java Script.
2. Learned to develop dynamic web pages using Java Script.
3. Learned to make the web page more user-friendly by providing easy to use and rich features.
4. Learned to save server traffic by validating user input before sending to the server.
5. Understood the concept of client-side scripting language for the web page.

2.0 Course Outcomes Addressed:

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

3.0 Proposed Methodology:

1. Arrangement of groups and representatives for groups that are not usually represented as partners in main projects.
2. Capacity building and networking in relation to the role as partners in micro projects.
3. Collected materials related to project.
4. Support development of more need and user driven projects.
5. Contribute to the maximum requirements of project.
6. An eligible project idea addressing one of the four Priority Axes and a work plan for a micro project including a description of how the capacity building and networking should take place.
7. The project involves maximum three partners. From three partners, the contributions of micro project are distributed.
8. An eligible Lead member who will guide the group members and analyzed the data.
9. Eligible match finding the proper information.
10. Softcopy corrections by respective teachers.
11. Completion of the micro project properly.
12. Final copy and submission.

4.0 Action Plan

Sr. No.	Details of Activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1.	**Introduction to Micro-project:** Study for selecting Micro project topic	17/09/21	17/09/21	All group members
2.	**Introduction to Micro-project:** Discussion about selected Micro project topic with concerned Course Teacher	24/09/21	24/09/21	All group members
3.	**Introduction to Micro-project:** Finalize and Study for selected topic	01/10/21	01/10/21	All group members
4.	Drafting Proposals	01/10/21	01/10/21	Shantanu Jadhav, Vivek Jadhav
5.	Proposal submission	08/10/21	08/10/21	Yash Kadam, Shantanu Jadhav
6.	Micro project Proposal Presentation	22/10/21	22/10/21	Yash Kadam Shantanu Jadhav, Vivek Jadhav
7.	Making Changes in presentation, if suggested by concerned teacher	22/10/21	22/10/21	Vivek Jadhav, Yash Kadam
8	**Executing Micro-Project:** Study from different resources	29/10/21	29/10/21	Yash Kadam, Shantanu Jadhav
9.	**Executing Micro-Project:** Collect information from studied resources	12/11/21	12/11/21	Shantanu Jadhav, Vivek Jadhav
10.	**Executing Micro-Project:** Arrange collected information	12/11/21	12/11/21	Yash Kadam, Shantanu Jadhav
11.	Executing Micro project	26/11/21	26/11/21	Yash Kadam
12.	Drafting Methodology	3/12/21	3/12/21	Vivek Jadhav
13.	Drafting Literature Review	3/12/21	3/12/21	Shantanu Jadhav
14.	Drafting Result, Discusser	10/12/21	10/12/21	Yash Kadam
15.	Micro project Presentation	17/12/21	17/12/21	All group members
16.	Micro Project final submission	24/12/21	24/12/21	All group members

5.0 Resources Required

Sr. No.	Name of Resources/material	Specifications	Qty.	Remarks
1.	Computer System	Processor (i5 3.0 GHz or better minimum i3 2.4 GHz), Ram (4 GB or 8 GB), HDD (5 GB minimum)	1	
2.	Operating System	Windows 7,8,10	1	
3.	Software	Visual Studio Code	1	
4.	Printer	Laser printer	1	
5.	Internet/Websites	www.w3schools.com www.tutorialspoint.com www.javatpoint.com	3	

Names of Team Members with Roll Nos.

1. Shantanu Jadhav (2313)
2. Vivek Jadhav (2314)
3. Yash Kadam (2315)

(To be approved by the concerned teacher)

Annexure-II

Micro-Project report

1.0 Title of the Project: "Design a web page of an Institute Admission Form."

2.0 Rationale:

In this project we have developed a college admission form using HTML, CSS and JavaScript. We have used the concept of form validation and regular expressions to validate the form. We have created the web page more user-friendly by providing easy to use and rich features. It will help to increase the interactivity and usability of the web page. Our web page will respond immediately if there is any mistake in user data without waiting for the page reload. It will help colleges to receive accurate and efficient data as per their requirements.

Aims/Benefits of the Micro-project:

Aim: -

1. To create event-based web forms using Java Script.
2. To create interactive webpage using regular expressions for validations.
3. To implement arrays and functions in Java Script.
4. To develop dynamic web pages using Java Script.

Benefits: -

1. Learned to create event-based web forms using Java Script.
2. Learned to develop dynamic web pages using Java Script.
3. Learned to make the web page more user-friendly by providing easy to use and rich features.
4. Learned to save server traffic by validating user input before sending to the server.
5. Understood the concept of client-side scripting language for the web page.

3.0 Course Outcomes Achieved

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

4.0 Literature Review

1. www.w3schools.com
2. www.tutorialspoint.com
3. www.javatpoint.com
4. Book by Nirali Publication

ABSTRACT

JavaScript is limited featured client-side programming language. JavaScript runs at the client end through the user's browser without sending messages back and forth to the server. It is widely used by the web developers to do things such as build dynamic web pages, respond to events, create interactive forms, validate data that the visitor enters into a form, control the browser etc. In this project we have developed a college admission form using HTML, CSS and JavaScript. We have used the concept of form validation and regular expressions to validate the form. We have created the web page more user-friendly by providing easy to use and rich features. It will help to increase the interactivity and usability of the web page. Our web page will respond immediately if there is any mistake in user data without waiting for the page reload. It will help colleges to receive accurate and efficient data as per their requirements.

5.0 Actual Methodology Followed:

What is JavaScript?

JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser. Since then, it has been adopted by all other graphical web browsers. With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

Although, JavaScript has no connectivity with Java programming language. The name was suggested and provided in the times when Java was gaining popularity in the market. In addition to web browsers, databases such as CouchDB and MongoDB uses JavaScript as their scripting and query language.

Features of JavaScript

There are following features of JavaScript:

1. All popular web browsers support JavaScript as they provide built-in execution environments.
2. JavaScript follows the syntax and structure of the C programming language. Thus, it is a structured programming language.
3. JavaScript is a weakly typed language, where certain types are implicitly cast (depending on the operation).
4. JavaScript is an object-oriented programming language that uses prototypes rather than using classes for inheritance.
5. It is a light-weighted and interpreted language.
6. It is a case-sensitive language.
7. JavaScript is supportable in several operating systems including, Windows, macOS, etc.
8. It provides good control to the users over the web browsers.

Applications of JavaScript Programming

As mentioned before, JavaScript is one of the most widely used programming languages (Front-end as well as Back-end). It has its presence in almost every area of software development. I'm going to list few of them here:

- **Client-side validation** - This is really important to verify any user input before submitting it to the server and JavaScript plays an important role in validating those inputs at front-end itself.
- **Manipulating HTML Pages** - JavaScript helps in manipulating HTML page on the fly. This helps in adding and deleting any HTML tag very easily using JavaScript and modify your HTML to change its look and feel based on different devices and requirements.
- **User Notifications** - You can use JavaScript to raise dynamic pop-ups on the webpages to give different types of notifications to your website visitors.
- **Back-end Data Loading** - JavaScript provides Ajax library which helps in loading back-end data while you are doing some other processing. This really gives an amazing experience to your website visitors.
- **Presentations** - JavaScript also provides the facility of creating presentations which gives website look and feel. JavaScript provides RevealJS and BespokeJS libraries to build a web-based slide presentation.
- **Server Applications** - Node JS is built on Chrome's JavaScript runtime for building fast and scalable network applications. This is an event-based library which helps in developing very sophisticated server applications including Web Servers.

This list goes on, there are various areas where millions of software developers are happily using JavaScript to develop great websites and others softwares.

There are many useful JavaScript frameworks and libraries available:

- Angular
- React
- jQuery
- Vue.js
- Ext.js
- Ember.js
- Meteor
- Mithril
- Node.js
- Polymer
- Aurelia
- Backbone.js

What is form validation?

Go to any popular site with a registration form, and you will notice that they provide feedback when you don't enter your data in the format they are expecting. You'll get messages such as:

- "This field is required" (You can't leave this field blank).
- "Please enter your phone number in the format xxx-xxxx" (A specific data format is required for it to be considered valid).
- "Please enter a valid email address" (the data you entered is not in the right format).
- "Your password needs to be between 8 and 30 characters long and contain one uppercase letter, one symbol, and a number." (A very specific data format is required for your data).

This is called form validation. When you enter data, the browser and/or the web server will check to see that the data is in the correct format and within the constraints set by the application. Validation done in the browser is called client-side validation, while validation done on the server is called server-side validation.

If the information is correctly formatted, the application allows the data to be submitted to the server and (usually) saved in a database; if the information isn't correctly formatted, it gives the user an error message explaining what needs to be corrected, and lets them try again.

We want to make filling out web forms as easy as possible. So why do we insist on validating our forms?

There are three main reasons:

- **We want to get the right data, in the right format.** Our applications won't work properly if our users' data is stored in the wrong format, is incorrect, or is omitted altogether.
- **We want to protect our users' data**. Forcing our users to enter secure passwords makes it easier to protect their account information.
- **We want to protect ourselves**. There are many ways that malicious users can misuse unprotected forms to damage the application.

Different types of client-side validation

There are two different types of client-side validation that you'll encounter on the web:

- Built-in form validation uses HTML5 form validation features, which we've discussed in many places throughout this module. This validation generally doesn't require much JavaScript. Built-in form validation has better performance than JavaScript, but it is not as customizable as JavaScript validation.
- JavaScript validation is coded using JavaScript. This validation is completely customizable, but you need to create it all (or use a library).

Using built-in form validation

One of the most significant features of HTML5 form controls is the ability to validate most user data without relying on JavaScript. This is done by using validation attributes on form elements.

- **required:** Specifies whether a form field needs to be filled in before the form can be submitted.
- **minlength** and **maxlength:** Specifies the minimum and maximum length of textual data (strings).
- **min** and **max:** Specifies the minimum and maximum values of numerical input types.
- **type:** Specifies whether the data needs to be a number, an email address, or some other specific preset type.
- **pattern:** Specifies a **regular expression** that defines a pattern the entered data needs to follow.

If the data entered in a form field follows all of the rules specified by the above attributes, it is considered valid. If not, it is considered invalid.

When an element is valid, the following things are true:

- The element matches the **:valid** CSS pseudo-class, which lets you apply a specific style to valid elements.
- If the user tries to send the data, the browser will submit the form, provided there is nothing else stopping it from doing so (e.g., JavaScript).

When an element is invalid, the following things are true:

- The element matches the **:invalid** CSS pseudo-class, and sometimes other UI pseudo-classes (e.g., **:out-of-range**) depending on the error, which lets you apply a specific style to invalid elements.
- If the user tries to send the data, the browser will block the form and display an error message.

Note: There are several errors that will prevent the form from being submitted, including a badInput, patternMismatch, rangeOverflow or rangeUnderflow, stepMismatch, tooLong or tooShort, typeMismatch, valueMissing, or a customError.

Built-in form validation examples

Simple start file

Let's start with a simple example: an input that allows you to choose whether you prefer a banana or a cherry. This example involves a simple text <input> with an associated <label> and a submit <button>.

```
<form>
  <label for="choose">Would you prefer a banana or cherry?</label>
  <input id="choose" name="i_like">
  <button>Submit</button>
</form>
```

```
input:invalid {
  border: 2px dashed red;
}

input:valid {
  border: 2px solid black;
}
```

Would you prefer a banana or cherry? Submit

To begin, make a copy of fruit-start.html in a new directory on your hard drive.

The required attribute

The simplest HTML5 validation feature is the required attribute. To make an input mandatory, add this attribute to the element. When this attribute is set, the element matches the :**required** UI pseudo-class and the form won't submit, displaying an error message on submission when the input is empty. While empty, the input will also be considered invalid, matching the **:invalid** UI pseudo-class.

Add a required attribute to your input, as shown below.

```
<form>
  <label for="choose">Would you prefer a banana or cherry? (required)</label>
  <input id="choose" name="i_like" required>
  <button>Submit</button>
</form>
```

Note the CSS that is included in the example file:

```
input:invalid {
  border: 2px dashed red;
}

input:invalid:required {
  background-image: linear-gradient(to right, pink, lightgreen);
}

input:valid {
  border: 2px solid black;
}
```

This CSS causes the input to have a red dashed border when it is invalid and a more subtle solid black border when valid. We also added a background gradient when the input is required and invalid. Try out the new behaviour in the example below:

Would you prefer a banana or cherry? (required) Submit

The presence of the required attribute on any element that supports this attribute means the element matches the **:required** pseudoclass whether it has a value or not. If the **<input>** has no value, the input will match the :**invalid** pseudoclass.

Validating against a regular expression

Another useful validation feature is the pattern attribute, which expects a Regular Expression as its value. A regular expression (regex) is a pattern that can be used to match character combinations in text strings, so regexps are ideal for form validation and serve a variety of other uses in JavaScript. Below are some examples to give you a basic idea of how they work.

- a —Matches one character that is a (not b, not aa, and so on).
- abc — Matches a, followed by b, followed by c.
- ab?c—Matches a, optionally followed by a single b, followed by c. (ac or abc)
- ab*c—Matches a, optionally followed by any number of bs, followed by c. (ac, abc, abbbbbc, and so on).
- a|b — Matches one character that is a or b.
- abc|xyz — Matches exactly abc or exactly xyz (but not abcxyz or a or y, and so on).

Let's implement an example. Update your HTML to add a pattern attribute like this:

```
<form>
  <label for="choose">Would you prefer a banana or a cherry?</label>
  <input id="choose" name="i_like" required pattern="[Bb]anana|[Cc]herry">
  <button>Submit</button>
</form>
```

This gives us the following update — try it out:

Would you prefer a banana or a cherry? Submit

In this example, the <input> element accepts one of four possible values: the strings "banana", "Banana", "cherry", or "Cherry". Regular expressions are case-sensitive, but we've made it support capitalized as well as lower-case versions using an extra "Aa" pattern nested inside square brackets.

If a non-empty value of the <input> doesn't match the regular expression's pattern, the input will match the :invalid pseudoclass.

Constraining the length of your entries

You can constrain the character length of all text fields created by <input> or <textarea> by using the minlength and maxlength attributes. A field is invalid if it has a value and that value has fewer characters than the minlength value or more than the maxlength value.

Browsers often don't let the user type a longer value than expected into text fields. A better user experience than just using maxlength is to also provide character count feedback in an accessible manner and let them edit their content down to size. An example of this is the character limit seen on Twitter when Tweeting. JavaScript, including solutions using maxlength, can be used to provide this.

HTML Constraint Validation

HTML5 introduced a new HTML validation concept called constraint validation.

HTML constraint validation is based on:

- Constraint validation HTML Input Attributes
- Constraint validation CSS Pseudo Selectors
- Constraint validation DOM Properties and Methods

Constraint Validation HTML Input Attributes

Attribute	Description
disabled	Specifies that the input element should be disabled
max	Specifies the maximum value of an input element
min	Specifies the minimum value of an input element
pattern	Specifies the value pattern of an input element
required	Specifies that the input field requires an element
type	Specifies the type of an input element

Constraint Validation CSS Pseudo Selectors

Selector	Description
:disabled	Selects input elements with the "disabled" attribute specified
:invalid	Selects input elements with invalid values
:optional	Selects input elements with no "required" attribute specified
:required	Selects input elements with the "required" attribute specified
:valid	Selects input elements with valid values

Advantages of JavaScript

The merits of using JavaScript are −

- **Less server interaction** − You can validate user input before sending the page off to the server. This saves server traffic, which means less load on your server.
- **Immediate feedback to the visitors** − They don't have to wait for a page reload to see if they have forgotten to enter something.
- **Increased interactivity** − You can create interfaces that react when the user hovers over them with a mouse or activates them via the keyboard.
- **Richer interfaces** − You can use JavaScript to include such items as drag-and-drop components and sliders to give a Rich Interface to your site visitors.

Limitations of JavaScript

We cannot treat JavaScript as a full-fledged programming language. It lacks the following important features −

- Client-side JavaScript does not allow the reading or writing of files. This has been kept for security reason.
- JavaScript cannot be used for networking applications because there is no such support available.
- JavaScript doesn't have any multi-threading or multiprocessor capabilities.

Once again, JavaScript is a lightweight, interpreted programming language that allows you to build interactivity into otherwise static HTML pages.

JavaScript Development Tools

One of major strengths of JavaScript is that it does not require expensive development tools. You can start with a simple text editor such as Notepad. Since it is an interpreted language inside the context of a web browser, you don't even need to buy a compiler.
To make our life simpler, various vendors have come up with very nice JavaScript editing tools. Some of them are listed here −

- **Microsoft FrontPage** − Microsoft has developed a popular HTML editor called FrontPage. FrontPage also provides web developers with a number of JavaScript tools to assist in the creation of interactive websites.
- **Macromedia Dreamweaver MX** − Macromedia Dreamweaver MX is a very popular HTML and JavaScript editor in the professional web development crowd. It provides several handy prebuilt JavaScript components, integrates well with databases, and conforms to new standards such as XHTML and XML.
- **Macromedia HomeSite 5** − HomeSite 5 is a well-liked HTML and JavaScript editor from Macromedia that can be used to manage personal websites effectively.

College Admission Form in HTML with JavaScript Validation

JavaScript is basically used to validate HTML pages in web application. Validations are basically some rules to follow when inputting values to register on-site. Validation can be anything like:

- Some input fields cannot be empty.
- Some values must be in a particular length range.
- Some input fields must match (for example, password fields). These are some basic rules that you can make.
- Validations are just simple things like making fields mandatory.

With the help of validations, we can achieve a lot. We can show the message to the client. You can display this message in the alert box as an error.

So, when all fields are filled accurately the user will able to submit the form means add the data otherwise it will show errors. Purpose of validations is to make sure that data must be correct before submitting the form if the user forgets to add anything.

Program Code:

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```
<html>
<head><title> Registration Form</title></head>
<body bgcolor="#9FA8DA"><center>
<style>
h1{color: orange; font-family:Tahoma; font-size:70;text-shadow: 2px 2px #ff0000;}
h2{color: black; font-family:sans-serif;font-size: 40;text-shadow: 2px 2px #010199}
marquee{color: red; font-family: 'Franklin Gothic Medium'; font-size: 25; background-color: wheat; direction="left"}
table{color:black; font-family: sans-serif; font-size: 18; background-color:#6c7cd8;}
button{color: rgb(4, 0, 252)}
p{text-shadow: 1px 1px #000000; font-family:Verdana;}
</style>
<h1><b><u>Polytechnic Institute</u></b></h1>
<h2><u>Admission Form</u></h2>
<hr>
<marquee><b>*Note: All fields having " * " are mandatory.</b></marquee>
<hr>
<br>
<h2 style="color: brown"><u>Basic Details</u></h2><br><br>
<form id="form1" method="post">
<table>
<tr>
<td><b>* Student's Name : </b></td></td>
<td><input type="text" id="Student's Name" placeholder="Student's Name" size="25"  required/></td>
</tr>
<tr>
<td><b>* Date of Birth : </b></td>
<td>
<input type="date" id="date" required>
<button type="submit" name="dob"></button>
```

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```
</td>
</tr>
<tr>
<td><b>* Father's Name : </b></td>
<td><input type="text" id="Father's Name" placeholder="Father's Name" size="25"  required/></td>
</tr>
<tr>
<td><b>* Mother's Name : </b></td>
<td><input type="text" id="Mother's Name" placeholder="Mother's Name" size="25"  required/></td>
</tr>
<tr>
<td><b>Guardian's Name [if any] : </b></td>
<td><input type="text" id="Guardian's Name" placeholder="Guardian's Name" size="25"></td>
</tr>
<tr>
<td><b>Guardian's Address : </b></td>
<td>
<br><b><textarea id="Gadd" name="Gadd" rows="4" cols="25" placeholder="Address with Pincode..."></textarea></b>
</td>
<td></td>
</tr>
<tr>
<td><b>* Student's Mob No. : </b></td>
<td><input type="mobno" id="Mobile No." placeholder="Mobile Number" size="25" required/></td>
</tr>
<tr>
<td><b>* Email Id : </b></td>
<td><input type="email" id="email" placeholder="email id" size="25" required/> <td>
</tr>
<tr>
```

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```
<td><b>* Parent's Mob No. : </b></td>
<td><input type="Pmobno" id="PMobile No." placeholder="Parents Mob No." size="25"  required/></td>
</tr>
<tr>
<td><b>* Address : </b></td>
<td><br><textarea id="Address" name="Address" rows="4" cols="25" placeholder="Address with Pincode..." required></textarea></td>
</tr>
<tr>
<td><b><br><br>* Gender : </b></td>
<td><br>
<input type="radio" name="Gender" id="Gender" value="Female">
<b>Female </b>
<input type="radio" name="Gender" id="Gender" value="Male">
<b>Male </b>
<input type="radio" name="Gender" id="Gender" value="Others">
<b>Others </b>
</tr>
<tr>
<td><b><label for="State">* State : </label></b></td>
<td>
<select name="State" id="State" required>
<option value="Select option">-Select-</option>
<option value="Andra Pradesh">1.Andra Pradesh</option>
<option value="Arunachal Pradesh">2.Arunachal Pradesh</option>
<option value="Assam">3.Assam</option>
<option value="Bihar">4.Bihar</option>
<option value="Chattisgarh">5.Chattisgarh</option>
<option value="Goa">6.Goa</option>
<option value="Gujrat">7.Gujrat</option>
<option value="Haryana">8.Haryana</option>
```

CSS-MP.html 7

D: > IF-5-I > Manuals > CSS > Project > CSS-MP.html > html

```
<option value="Himachal Pradesh">9.Himachal Pradesh</option>
<option value="Jammu and Kshmir">10.Jammu and Kashmir</option>
<option value="Jharkhand">11.Jharkhand</option>
<option value="Karnataka">12.Karnataka</option>
<option value="Kerla">13.Kerla</option>
<option value="Madhya Pradesh">14.Madhya Pradesh</option>
<option value="Maharashtra">15.Maharashtra</option>
<option value="Manipur">16.Manipur</option>
<option value="Meghalay">17.Meghalay</option>
<option value="Mizoram">18.Mizoram</option>
<option value="Nagaland">19.Nagaland</option>
<option value="Orissa">20.Orissa</option>
<option value="Punjab">21.Punjab</option>
<option value="Rajasthan">22.Rajasthan</option>
<option value="Sikkim">23.Sikkim</option>
<option value="Tamil Nadu">24.Tamil Nadu</option>
<option value="Telangana">25.Telangana</option>
<option value="Tripura">26.Tripura</option>
<option value="Uttar Pradesh">27.Uttar Pradesh</option>
<option value="Uttrakhand">28.Uttrakhand</option>
<option value="West Bengal">29.West Bengal</option>
</select>
</td>
</tr>
<tr>
<td><b>* Pincode : </b></td>
<td><input type="number" id="Pincode" placeholder="Pincode" size="25" required/>
</tr>
</table>
<hr>
```

CSS-MP.html 7

D: > IF-5-I > Manuals > CSS > Project > CSS-MP.html > html

```
<marquee><b>*Note: Upload Passport photo in ".jpeg" format only and all other required documents in " .pdf "format only.</b></marquee>
<hr>
<h2 style="color: brown"><u>Documents Section</u></h2><br><br>
<table width="500" border="2" cellpadding="6" cellspacing="8">
<tr>
<td><label for="Photo"><b>* Upload your Passport size Photo:</b></label></td>
<td><input type="file" accept="image/jpeg, image/jpg" name="Photo" id="Photo" size="40" required/><br><br></td>
</tr>
<tr>
<td><label for="Mk10"><b>* Class 10th Marksheet :</b></label></td>
<td><input type="file" accept="application/pdf" name="Mk10" id="Mk10" size="40" required/><br><br></td>
</tr>
<tr>
<td><label for="LC"><b>* School Leaving Certificate :</b></label></td>
<td><input type="file" accept="application/pdf" name="LC" id="LC" size="40" required/><br><br></td>
</tr>
<tr>
<td><label for="birth"><b>* Birth  Certificate :</b></label></td>
<td><input type="file" accept="application/pdf" name="birth" id="birth" size="40" required/><br><br></td>
</tr>
<tr>
<td><label for ="myCheck"><b>* Do you have Cast Certificate:</b></label></td>
<td> <input type="checkbox" id="myCheck" onclick="myFunction()">Yes<br>
<p style="color: red">*Note: "Skip this checkbox if you don't have Cast certificate".</p><br>
<p id="text1" style="display:none"><b>Please upload the Cast Certificate -></b><br>
<input type="file" accept="application/pdf" name="Castcertificate" id="Castcertificate" size="40"><br><br>
</p></td>
</tr>
<tr>
<td><label for="Add"><b>* Address Proof :</b></label></td>
```

CSS-MP.html 7

D: > IF-5-I > Manuals > CSS > Project > CSS-MP.html > html

```
function subFun(){
var a, b, c, d, e, f, g, h, i, j, k, l, m, n, o;
a = document.getElementById("Student's Name").value;
b = document.getElementById("date").value;
c = document.getElementById("Father's Name").value;
d = document.getElementById("Mother's Name").value;
e = document.getElementById("Mobile No.").value;
f = document.getElementById("email").value;
g = document.getElementById("PMobile No.").value;
h = document.getElementById("Address").value;
i = document.getElementById("Gender").value;
j = document.getElementById("State").value;
k = document.getElementById("Pincode").value;
l = document.getElementById("Photo").value;
m = document.getElementById("Mk10").value;
n = document.getElementById("LC").value;
o = document.getElementById("Add").value;
if (a == "" || b == "" || c == "" || d == "" || e == "" || f == "" || g == "" || h == "" || i == "" || j == "" || k == "" || l == "" || m =
{
alert("Please fill all mandatory details.");
}
else{
alert("Thanks...!! Your Response has been recorded...!")
}
}
</script>
</center></body>
</html>
```

6.0 Actual resources Used

Sr. No.	Name of Resources/material	Specifications	Qty.	Remarks
1.	Computer System	Processor (i5 3.0 GHz or better minimum i3 2.4 GHz), Ram (4 GB or 8 GB), HDD (5 GB minimum)	1	
2.	Operating System	Windows 7,8,10	1	
3.	Software	Visual Studio Code	1	
4.	Printer	Laser printer	1	
5.	Internet/Websites	www.w3schools.com www.tutorialspoint.com www.javatpoint.com	3	

7.0 Outputs of the Micro-Project:

Basic Details

* Student's Name :	Sam Curran
* Date of Birth :	03-06-1988
* Father's Name :	Mathew Curran
* Mother's Name :	Sarah Curran
Guardian's Name [if any] :	Guardian's Name
Guardian's Address :	Pune, Maharashtra, India
* Student's Mob No. :	7420863430
* Email Id :	sam.curran@gmail.com
* Parent's Mob No. :	8734925304
* Address :	Pune, Maharashtra, India
* Gender :	○ Female ◉ Male ○ Others
* State :	15.Maharashtra
* Pincode :	411002

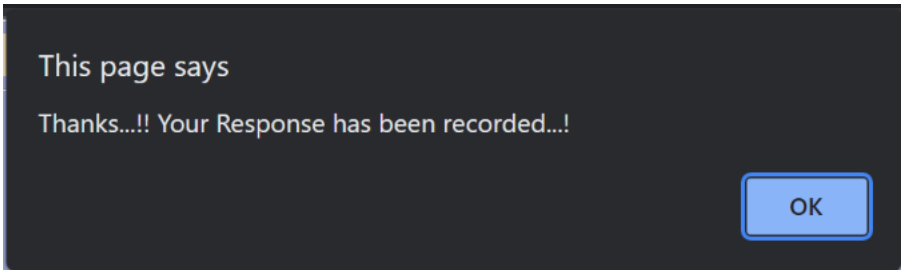
*Note: Upload Passport photo in ".jpeg" format only and all other required documents in " .pdf "format only.

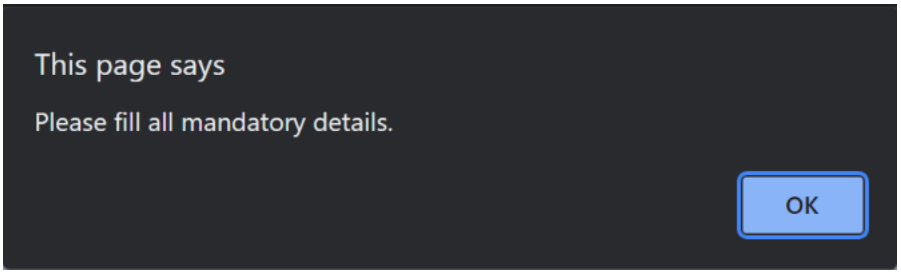
Documents Section

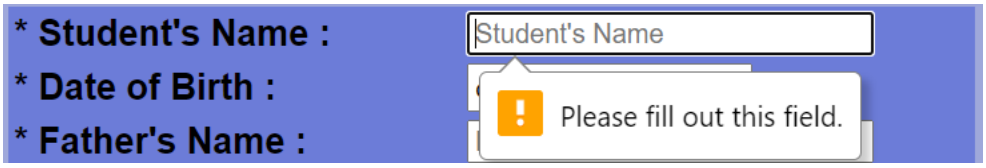
* Upload your Passport size Photo:	Choose File yash_photo.jpg
* Class 10th Marksheet :	Choose File first_sem_result.pdf
* School Leaving Certificate :	Choose File first_sem_re...pressed.pdf
* Birth Certificate :	Choose File second_sem_result.pdf
* Do you have Cast Certificate:	☐ Yes *Note: "Skip this checkbox if you don't have Cast certificate".
* Address Proof :	Choose File Yash_Aadhar.pdf

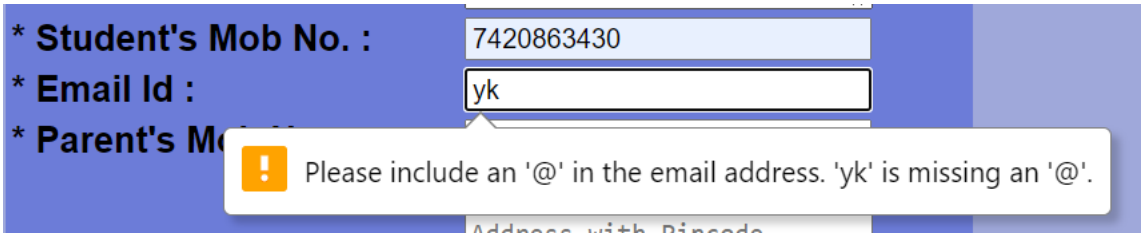
☑ I here by declare that the above filled information is checked and Correct by my side.

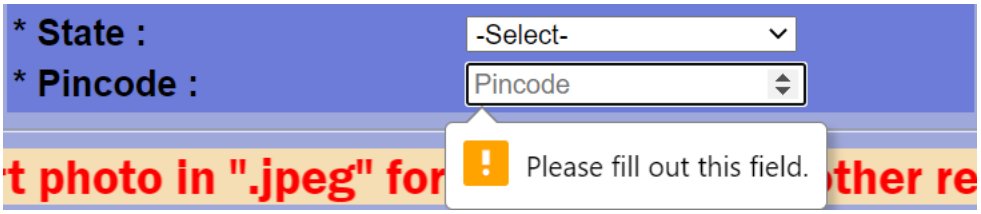
Submit form

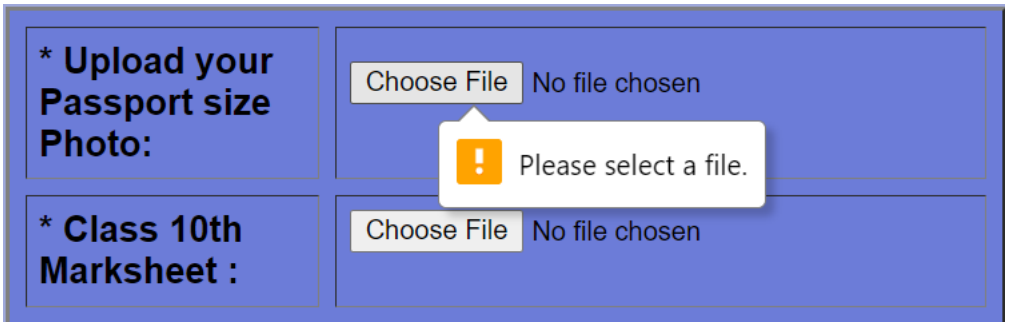

This page says
Thanks...!! Your Response has been recorded...!
OK

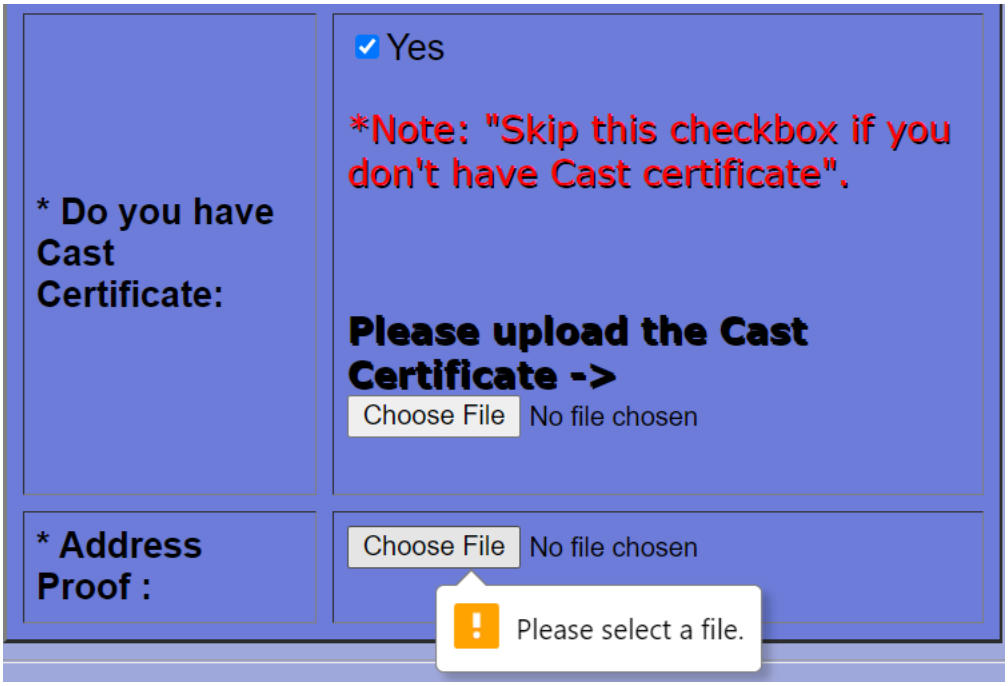

This page says
Please fill all mandatory details.
OK


* Student's Name :
* Date of Birth :
* Father's Name :
Student's Name
Please fill out this field.


* Student's Mob No. :
* Email Id :
* Parent's M
7420863430
yk
Please include an '@' in the email address. 'yk' is missing an '@'.


* State :
* Pincode :
-Select-
Pincode
Please fill out this field.
t photo in ".jpeg" for
ther re


* Upload your Passport size Photo:
Choose File
No file chosen
Please select a file.
* Class 10th Marksheet :
Choose File
No file chosen



8.0 Skill Developed/Learning outcome of this Micro-Project

1. Develop relational database by applying principal of database design.
2. Demonstrate working as a leader/team member.
3. Communication really go hand in glove with leadership.
4. How to create a project schedule.
5. How to manage time.
6. Decision making skill.
7. Problem solving.
8. Planning and strategy skill.

9.0 Applications of this Micro-Project

1. Through JavaScript, we can validate name, password, email, date, mobile numbers and more fields.
2. It allows us to add an event listener that enables us to place various validations on the form.
3. It is used to collect relevant and required information from an applicant.

(To be evaluated by concerned teacher)

Annexure - III

Suggested Rubric for Assessment of Micro Project

(The marks may be allotted to the characteristics of the Micro-Project by considering the suggested rubrics)

S. No	Characteristics to be assessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)
1.	**Relevance to the Course**	Related to very few LOs	Related to some Los	Addressed at-least one CO	Addressed more than one CO
2.	**Literature Review/information collection**	Not more than two sources (Primary and Secondary), very old reference	At-least 5 relevant sources, at least 2 latest	At-least 7 relevant sources, most latest	About 10 relevant sources, most latest
3.	**Completion of Target as per Project proposal**	Completed less than 50%	Completed 50 to 60%	Completed 60 to 80%	Completed more than 80%
4.	**Analysis of Data and representation**	Sample Size all, data neither organized nor presented well	Sufficient and appropriate sample, enough data generated but not organized and not well presented well. No or poor inferences drawn	Sufficient and appropriate sample, enough data generated which is organized and presented well. But poor inferences drawn	Enough data collected by sufficient and appropriate sample size. Proper inferences drawn by organizing and presenting data through tables, charts and graphs
5.	**Quality of prototype/Model**	Incomplete fabrication/ assembly	Just assembled/ fabricated and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/ finish is shabby.	Well a Just assembled/ fabricated with proper functioning parts.in proper shape, within tolerance dimensions and good finish. But no creativity in design and use of material	Well a Just assembled/ fabricated with proper functioning parts.in proper shape, within tolerance dimensions and good finish/ appearance. Creativity in design and use of material.

6.	**Report Preparation**	Very short, poor quality sketches, Details about methods, materials, Precautions and Conclusions omitted, some details are wrong.	Nearly sufficient and correct details about methods, materials, precautions and conclusion. But clarity is not there in presentation. But not enough graphic description	Detailed, correct and clear description of methods, materials, precautions and conclusion. Sufficient graphic description	Very detailed, correct, clear description of methods, materials, precautions, and conclusion. Enough tables, charts and sketches
7.	**Presentation of the Micro-Project**	Major information is not included, information is not well organized.	Includes major information but not well organized not presented well.	Includes major information but not well organized not presented well.	Well organized, includes major information, presented well.
8.	**Viva**	Could not reply to considerable number of questions	Replied to considerable number of questions nut not very properly	Replied properly considerable number of questions.	Replied most of the questions properly

Annexure IV

Micro Project Evaluation Sheet

Name of Student: Shantanu Jadhav **Enrollment No:** 1901410085

Name of Program: Information Technology **Semester:** IF-5-I

Course Title: Client-Side Scripting Language **Code:** 22519

Title of the Micro-project: Design a web page of an Institute Admission Form.

Course Outcomes Achieved: -

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

Sr No.	Characteristic to be accessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)	Sub Total
Process and Product Assessment (Convert above total marks out of 6 Marks)						
1	Relevance to the course					
2	Literature Review/information collection					
3	Completion of the Target as per project proposal					
4	Analysis of Data and representation					
5	Quality of the Prototype/Model					
6	Report Preparation					
Individual Presentation/ Viva (Convert above total marks out of 4 Marks)						
7	Presentation					
8	Viva					

(A) **Process and Product Assessment** **(6 Marks)**	**(B)** **Individual Presentation/ Viva** **(4 Marks)**	**Total Marks** **10**

Comments/ suggestions about Teamwork/ Leadership/Inter-Personal communication (If any)

Name and Designation of the Teacher: …….

Dated Signature……

Annexure IV

Micro Project Evaluation Sheet

Name of Student: Vivek Jadhav **Enrollment No:** 1901410086

Name of Program: Information Technology **Semester:** IF-5-I

Course Title: Client-Side Scripting Language **Code:** 22519

Title of the Micro-project: Design a web page of an Institute Admission Form.

Course Outcomes Achieved: -

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

Sr No.	Characteristic to be accessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)	Sub Total
Process and Product Assessment (Convert above total marks out of 6 Marks)						
1	Relevance to the course					
2	Literature Review/information collection					
3	Completion of the Target as per project proposal					
4	Analysis of Data and representation					
5	Quality of the Prototype/Model					
6	Report Preparation					
Individual Presentation/ Viva (Convert above total marks out of 4 Marks)						
7	Presentation					
8	Viva					

(A) **Process and Product Assessment** **(6 Marks)**	**(B)** **Individual Presentation/ Viva** **(4 Marks)**	**Total Marks** **10**

Comments/ suggestions about Teamwork/ Leadership/Inter-Personal communication (If any)

Name and Designation of the Teacher: …….

Dated Signature……

Annexure IV

Micro Project Evaluation Sheet

Name of Student: Yash Kadam **Enrollment No:** 1901410119

Name of Program: Information Technology **Semester:** IF-5-I

Course Title: Client-Side Scripting Language **Code:** 22519

Title of the Micro-project: Design a web page of an Institute Admission Form.

Course Outcomes Achieved: -

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

Sr No.	Characteristic to be accessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)	Sub Total
Process and Product Assessment (Convert above total marks out of 6 Marks)						
1	Relevance to the course					
2	Literature Review/information collection					
3	Completion of the Target as per project proposal					
4	Analysis of Data and representation					
5	Quality of the Prototype/Model					
6	Report Preparation					
Individual Presentation/ Viva (Convert above total marks out of 4 Marks)						
7	Presentation					
8	Viva					

(A) **Process and Product Assessment** **(6 Marks)**	**(B)** **Individual Presentation/ Viva** **(4 Marks)**	**Total Marks** **10**

Comments/ suggestions about Teamwork/ Leadership/Inter-Personal communication (If any)

Name and Designation of the Teacher: …….

Dated Signature……

Academic Year: 2021-22

Title of the Project: "Design a web page of an Institute Admission Form."

Course: Client-Side Scripting Language **Course Code:** 22519 **Semester:** IF-5-I

Sr. No./ Hour No.	Date	Time	Work Done
1.	17/09/21	3:00 p.m. - 4:00 p.m.	**Group Discussion on Topic**
2.	24/09/21	3:00 p.m. - 4:00 p.m.	**Assign task to group**
3.	01/10/21	3:00 p.m. - 4:00 p.m.	**Giving Particular Information**
4.	01/10/21	3:00 p.m. - 4:00 p.m.	**Got Course and Practical Outcomes**
5.	08/10/21	3:00 p.m. - 4:00 p.m.	**Taking Review about collected Data**
6.	22/10/21	3:00 p.m. - 4:00 p.m.	**Verify Material in Sequence**
7.	22/10/21	3:00 p.m. - 4:00 p.m.	**Discussion on Suggestions**
8.	29/10/21	3:00 p.m. - 4:00 p.m.	**Arrange Data in Sequence**
9.	12/11/21	3:00 p.m. - 4:00 p.m.	**Prepare proposal of the project**
10.	12/11/21	3:00 p.m. - 4:00 p.m.	**Verify the Draft from Teacher**
11.	26/11/21	3:00 p.m. - 4:00 p.m.	**Rearrange the data**
12.	3/12/21	3:00 p.m. - 4:00 p.m.	**Share Data among Group**
13.	3/12/21	3:00 p.m. - 4:00 p.m.	**Prepare the report**
14.	10/12/21	3:00 p.m. - 4:00 p.m.	**Work on Data**
15.	17/12/21	3:00 p.m. - 4:00 p.m.	**Prepare soft copy**
16.	24/12/21	3:00 p.m. - 4:00 p.m.	**Submission**

Mrs. V.R. Palandurkar

Name & signature of Course Teacher

For AICTE Diploma courses W.e.f: 2017-18

AISSMS's Polytechnic, Pune- 01(0141)

Annexure IV: **Rubrics Used for Evaluation of a Micro Project**

Program/Semester /Master: IF-5-I **Course/Course code:** CSS (22519) **Group No.:** 5

Title of the Micro project: "Design a web page of an Institute Admission Form."

Assessment of micro project based on rubrics for performance in group activity :(Marks to be given out of 06

Assessment of performance in individual presentation/Viva of micro project: (Marks to be given out of 04

Scale used for assessment: Poor (1-3), Average (4-5), Good (6-8), Excellent (9-10)

A) Process and Product Assessment (A):

Rubric No.	**Characteristics to be assessed**	**Marks Obtained out of 10**
1	Relevance to course	
2	Literature review/information collection	
3	Completion of target as per project proposal	
4	Analysis of data and representation	
5	Quality of prototype/model	
6	Report Preparation	
	Total Out of (60)	
	Process and Product Assessment (A): Total Out of (06)	

B) Individual Presentation/Viva(B)

Roll No.	**Enrollment No.**	**Name of Student**	**Rubric 7**	**Rubric 8**	**Individual Presentation /Viva (Addition of marks in Rubric 7 to 8)**	**Individual Presentation/ Viva (Convert out of 08 marks into out of 4) (B)**	**Total (A+B)**
			Individual Presentation	**Individual Viva**			
			Marks out of 10	**Marks out of 10**	**Marks out of 20**	**Marks out of 04**	**Marks out of 10**
2313	1901410085	SHANTANU JADHAV					
2314	1901410086	VIVEK JADHAV					
2315	1901410119	YASH KADAM					

Mrs. V.R. Palandurkar

Name & signature of Faculty

Evaluation Sheet for the Micro Project

Academic Year: 2021-22 **Name of Faculty:** Mrs. V.R. Palandurkar

Course: Client-Side Scripting Language **Course Code:** 22519

Semester: IF-5-I

Title of the Project: "Design a web page of an Institute Admission Form."

COs addressed by the Micro Project:

1) C22519.a. Create interactive web pages using program flow control structure.
2) C22519.b. Implement Arrays and functions in Java script.
3) C22519.c. Create event-based web forms using Java script.

Major Learning Outcomes achieved by students by doing the project:

(a) Practical Outcomes:

2) Develop JavaScript to use decision making and looping statements.

4) Develop JavaScript to implement functions.

6) Create a webpage using Form Elements.

7) Create a webpage to implement Form Events. Part-I.

8) Create a webpage to implement Form Events. Part-II.

12) Develop a webpage for validation of forms fields using regular expressions.

(b) Unit Outcomes in Cognitive domain:

Unit- I Basics of JavaScript Programming

1a) Create object to solve the given problem.
1d) Display properties of the given object using getters and setters.
1e) Develop program using basic features of JavaScript to solve the given problem.

Unit- II Array, Functions and String

2c) Develop JavaScript to implement the given function.

Unit- III Form and Event Handling

3a) Write JavaScript to design a form to accept input values for the given problem.
3b) Use JavaScript to implement form events to solve the given problem.

(c) Outcomes in Affective Domain:

1) Follow safety practices.
2) Practice good housekeeping.
3) Demonstrate working as a leader/a team member.
4) Follow ethical practices.

Comments/Suggestions about teamwork/leadership/inter-personal communication (if any)

Roll No.	Student Name	Marks out of (6) for performance in group activity	Marks out of (4) for performance in oral / presentation	Total out of (10)
2313	SHANTANU JADHAV			
2314	VIVEK JADHAV			
2315	YASH KADAM			

(Dated Signature of Faculty)