

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. To identify real life problems through proper investigation and to design and develop appropriate solution through systematic analysis which is economically feasible and in accordance with the need of industry, academia and society at large.
2. To exhibit the professional growth as an individual and a team as well; along with ethical responsibility and approach of lifelong learning.

PROGRAMME OUTCOMES (POs)

- a. An ability to identify and analyze the problem to propose the appropriate solution.
- b. An ability to design and develop information technology based solutions which satisfy the demand of the hour.
- c. An ability to investigate and analyze the solution of complex problem with the help of current edge technology.
- d. An ability to learn upcoming technologies and tools to fulfil the needs and necessities of the current trends.
- e. An ability to explore the role of software developer / designer in the progress of the society.
- f. An ability to understand ethical responsibility of an individual to contribute towards the growth of nation.
- g. An ability to work proficiently, individually and on teams, including multidisciplinary area, to achieve a common goal.
- h. An ability to communicate effectively among the variety of audience.
- i. An ability to develop the approach of lifelong learning for continuing professional development.
- j. An ability to apply principles of management to achieve the targets within the limitations of available finance.

DEPARTMENT OF M.SC.(INFORMATION TECHNOLOGY)
ACADEMIC YEAR:2021-2022(ODD) SEMESTER: 3
PAPER CODE : 101410305 PAPER TITLE : WEB PROGRAMMING
PRACTICAL LIST

NAME OF EXPERIMENT

- 1) Use the following Tags with their attributes as mentioned to test the HTML pages.**
- Test <h1> through <h6> tag
 - Use
 and <hr> tag for Line break and horizontal rule
 - Use of <p> tag attribute align="center",.....
 - Use of <ins> and tag
 - Use of preformatted text by using tags such as <i>, , , <blink>, <sup>, <big>, , <small>, <sub>, <pre>
 - Usage of quotation, abbreviation and acronym tags
 - Commenting the code using <!--Text goes Here -->
 - Use of tag < body with attributes bgcolor=..., vlink=....., text=.....,link=....., background=.... Etc
 - Use of hyperlinks using anchor tag with attribute Target and also the use of anchor tag as to work as bookmark
 - Use of tag with attribute src, height, width, alt....
 - Usage of ordered and unordered lists using and and also nesting of list with attribute type=.....
 - Table tag and associated tags: <table>, <td> , <tr>, <th> and attributes such as border, colspan, rowspan, cellpadding, cellspacing, width, height, valign.....etc,
 - Demonstrate how to link a mail message Computer output Tags
 - Use of tag with attributes <color>, <size>, <face>etc
 - Use of <frame> tag and <noframes> tag
 - Creating a navigation frame
 - Use of <iframe> tag
 - HTML forms: <input> tag with attribute type="text", "password", "checkbox", "radio", "file", "submit", "image", "button", "reset", "hidden"
 - Use of tag <textarea> with attribute rows= ..., cols=....., name=.....
 - Drop down menu with <select> tag and <option> tag with attributes value=....
 - Use of tag <fieldset> and <legend>

- 2) **Using HTML tag solve below problems:**
- Add a tooltip to the paragraph with the text "About IT Course".
 - Change the size of the image to 250 width and 400 height.
 - Transform the text **click here** into a link that goes to "https://www.google.com".
 - The image no.2 does not exist. Specify the alternate text "istar.edu.in" for the image.
 - Image as a Link
 - Add six headings to the document with the text "ISTAR"
 - Change the text color of the paragraph to "red"
 - Change the background color of the page.
 - Use an HTML element to add quotation marks around the letters "ISTAR".
 - The letters "HTML" in the text below is an abbreviation of "Hyper Text MarkupLanguage".(Use an HTML element to provide the specified abbreviation of "HTML")
- 3) **To create a simple html file to demonstrate the use of different tags.**
- a) Moving text = "Simple HTML Tags"
 - d) Horizontal line
 - e) Line Break
 - f) Block Quote
 - g) Pre tag
 - h) Different Logical Style (,<big>,<i>,<small>,<sub>,<sup>...)
 - i) Different Physical Style
(<code>,,<dfn>,,<ins>,<samp>,...)
- 4) **To create an html file to link to different html pages which contains images, tables, and also link within a page.**
- 5) **To create a table by applying appropriate tags of table .**

M.Sc. IT Syllabus Structure

Sem III		Academic Year 2021-22		
Sem III:Paper Code 101410301 101410302 101410303 101410304 101410305 101410306 101410307	Sem III:Paper Title Advanced Computer Networks Advanced Java Mobile Computing Practicals based on 101410302 and 101410303 Web Programming Comprehensive Viva - Voce Information Security			
	Description	Theory	Practical	Credit
	Semester III	04	02	24
	Subtotal			24
	Credit	01	01	
	Grand Total			25

- 6) Design a Internal timetable and 3rd Semester class Time Table and display it in tabular format.
- 7) Design a graduation mark sheet and display all your marks with subjects in a tabular format.
- 8) To create an HTML file by applying the different styles using inline, external and internal style sheets.
- 9) To create Validating Registration Form.

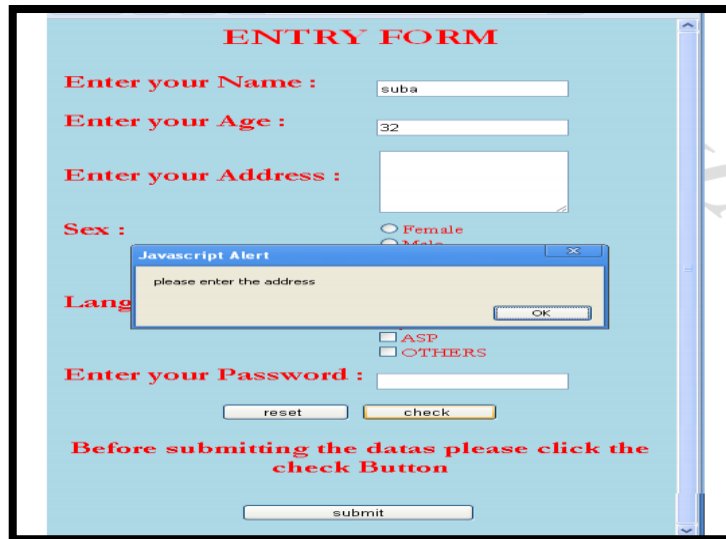
Note:

1. Define a method name as "reset()" to be called when reset button is clicked and manually set all values of fields to default.
2. Define a method name as "check()" to be called when check button is clicked.

a) Here check for (Validation) blank entry, name, age, email, phone no, radio button, checkbox etc.

b) Once all the valuables are properly filled make the submit button to be visible.

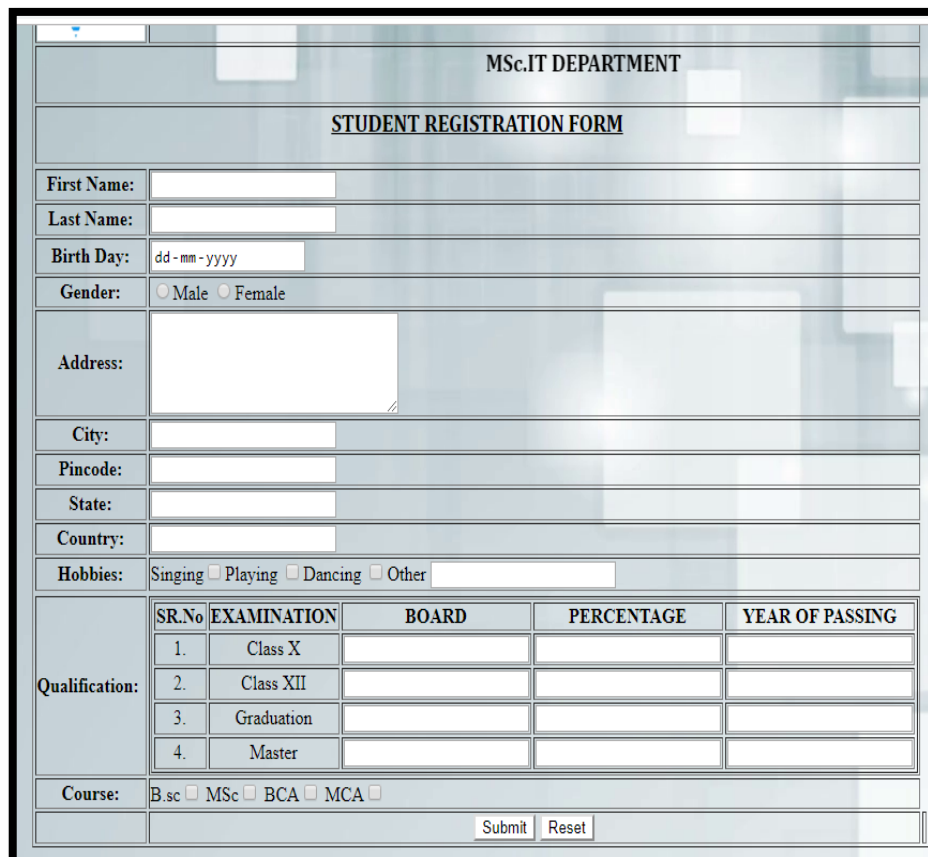
c) Define the various fields in form using table.



The screenshot shows a web form titled "ENTRY FORM" with the following fields and controls:

- Enter your Name :** Text input with value "suba".
- Enter your Age :** Text input with value "32".
- Enter your Address :** Text area.
- Sex :** Radio buttons for "Female" and "Male".
- Lang :** Checkboxes for "ASP" and "OTHERS".
- Enter your Password :** Text input.
- Buttons: "reset", "check", and "submit".
- A JavaScript Alert box is displayed over the form with the message "please enter the address" and an "OK" button.
- Instructions at the bottom: "Before submitting the datas please click the check Button".

- 10) (a) Creating a form [registryourself.html](#) using HTML tags.
 (b) Cascading Style Sheets (CSS): Apply Style Sheet on [registryourself.html](#)
 (c) JavaScript: Form Validation – Validating form [registryourself.html](#) using functions and events.



The screenshot shows a web form titled "MSc.IT DEPARTMENT STUDENT REGISTRATION FORM" with the following fields and controls:

- First Name:** Text input.
- Last Name:** Text input.
- Birth Day:** Text input with placeholder "dd-mm-yyyy".
- Gender:** Radio buttons for "Male" and "Female".
- Address:** Text area.
- City:** Text input.
- Pincode:** Text input.
- State:** Text input.
- Country:** Text input.
- Hobbies:** Checkboxes for "Singing", "Playing", "Dancing", and "Other" with a text input for "Other".
- Qualification:** A table with 5 columns: SR.No, EXAMINATION, BOARD, PERCENTAGE, and YEAR OF PASSING. It contains 4 rows of data for Class X, Class XII, Graduation, and Master.
- Course:** Checkboxes for "B.sc", "MSc", "BCA", and "MCA".
- Buttons: "Submit" and "Reset".

11) **Show the use of events to change background color with HTML and JavaScript.**

- If mouse button is pressed, background color should be red.
- If mouse button is released up, background color should be yellow.

12) **Write a JavaScript for the following:**

1. Assume that a web page has one image placed on it. When mouse is clicked and hold on it then image get changed. Write DHTML code for the same. (Use OnMouseDown and OnMouseUp events).
2. Assume that a web page has one table and one text box. Table has three cells with given colors (red, blue and green). When you mouse over the particular cell in the table then text of textbox will take color same as table's cell color. (Use OnMouseOver event).



13) **Develop and demonstrate a XHTML file that includes Javascript script for the following problems:**

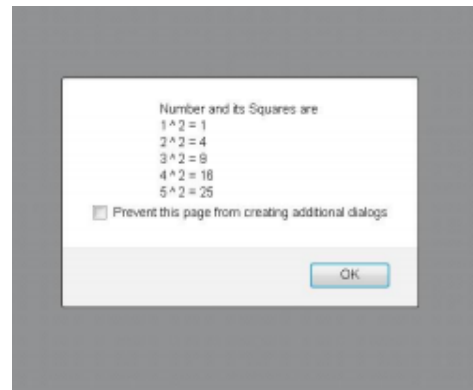
- a) **Input :** A number n obtained using prompt
Output : The first n Fibonacci numbers

14) **Develop and demonstrate a XHTML file that includes Javascript script for the following problems:**

- a) **Input:** A number n obtained using prompt
Output: Factorial of a number

15) Write a program to Show use of alert, confirm and prompt box.

16) To display the square of a given numbers using Javascript



- 17) **Write the HTML and Javascript code to validate the following items using regular expression only.**
1. email address (it's domain must be istar.edu.in)
 2. ISBN number (For ex. 1224-4563)
 3. name (must contain alphabet and not more than 10 characters)
 4. PAN number (for ex. AA23ER89N0 – 10 digit number)
 5. DOB (for ex. dd:mm:yy)
 6. url (must begin with http://www)
- 18) Write HTML and Javascript code to read an integer number N from user and display all the numbers between 1 and N that are divisible by 7. (display them in tabular form with two column: sr. no. and numbers)
- 19) Write a JavaScript to Store and Retrieve the Cookies information.

PHP PROGRAMS

- 20) Implement all methods of creating 1D, 2D and multidimensional array.
- 21) Write a program to print below format
- ```

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8

```
- 22) Display “Welcome to ISTAR” five times.
- 23) Write a program to show data types in php.

- 24) Find sum of given two number using function.
- 25) Perform arithmetic operation using switch case construct
- 26) Display your name n times. Take the input through text box.
- 27) Write HTML and PHP script to check whether given number is odd or even.  
Take the input through text box.
- 28) Design Calculator.
- 29) Write HTML and PHP script to check whether given number is Armstrong or not. Take the input through text box and display output also in text box.
- 30) Write HTML and PHP code to find factorial n numbers using recursion function. (i.e. HTML allows to enter input through textbox and when submit button is clicked then it displays numbers)
- 31) Design Login form and validate to username='admin' and Password='admin123'.  
Display appropriate message.
- 32) Display current date in DD/MM/YYYY format
- 33) Write a program to show global , static and local variable.
- 34) Write a program to apply strlen(), strpos(), strrev(), strchr() & trim() function.
- 35) Find the greater value between three variables using Ternary Operator.
- 36) Write a program to print whether current year is leap year or not.
- 37) Write a program to print whether given number is palindrome or not.
- 38) Create a Database called Country and create table called City having fields (Cityname, Area, Population) using PHP commands. Create an HTML form to get the city data and write a script to insert that data into the table.
- 39) Write a PHP Script to:
  1. Create a database my\_db.
  2. Create a table person.
  3. Insert some data into table person.
  4. Inserting some data into person through HTML form.
  5. Select some data from person using different queries.
  6. Update some record with SQL query.
  7. Display all the tables in the database my\_db.



8. Displaying all the databases.

**40) Create a project using above all concepts by your choice which should have minimum below functionality**

- Login Page with validation in database for authenticity.
- Form Validation using JavaScript.
- Entire site should be styled using CSS.
- Maintaining Session or Cookies.
- Add / delete / update/ search as applicable.
- File/ Image Upload.
- Report Generation (If applicable).