

20MCA133 WEB PROGRAMMING LAB

LAB CYCLE

Course Outcomes: After the completion of the course the student will be able to;

| | |
|------|-------------------------------------------------------------------------------|
| CO 1 | Explore markup languages features and create interactive web pages using them |
| CO 2 | Learn and design client-side validation using scripting languages. |
| CO 3 | Design front-end web page and connect to the back-end databases |
| CO 4 | Do Client-side & Server-side scripting |
| CO 5 | Develop Web Applications |

CYCLE1 – CO1 PROGRAMS

BASIC TAGS

PROGRAM NO : 1

Aim: Create a simple HTML file to demonstrate the use of different tags. Set the title of the page as "College HTML Page". Within the body perform the following. [Moving text , Different heading tags (h1 to h6), Paragraph, Horizontal line, Line Break, ,Different Logical Style (, sub>, <sup>...), Align tag, Placing image and formatting, use of html table]

Create a static webpage for your college with the following information:

- (a) Name of college (First level heading, text align = center, color = blue, use style attribute)
- (b) Add vision and mission of the college as scrolling text (color = green)
- (c) About us (Second level heading, background-color = red, color = white, use style attribute)
 - i. Insert an image of your college. (Align image in center, width = 1000px, height = 300px)
 - ii. Add a brief description about your college. (justified paragraph)
- (d) Courses Offered (Second level heading, background-color = red, color = white, use style attribute)
 - i. Add a brief description about courses offered. (justified paragraph)
Add course details (Use HTML table)
 - ii. Contact us. (Second level heading, background-color = red, color = white)
 - Address for Communication (Third level heading, color = blue)
 - Address of the college
 - Add Link to official website of the college.

Sample Output

Sree Narayana Gurukulam College of Engineering

Vision : Empowering the masses to achieve economic and social freedom through technical and management education.

Mission : Prepare students for a career in industry, academia, R&D and government by developing necessary technical capabilities and interpersonal skills in them.

[scrolling text]

About Us



Sree Narayana Gurukulam College of Engineering widely known as SNGCE is a pioneer, self-financing educational institution established in the year 2002 to impart engineering and management education with the -state - of- art amenities to the deserving candidates. It is well managed by Sree Narayana Gurukulam Charitable Trust, a recognized charitable society comprising of eminent personalities from diverse spheres of activity across the world and flourishes under the wings of SNDP Kunnathunadu Union. SNGCE is approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Technological University (KTU). It is also an approved Research Centre of Kerala University of Fisheries and Ocean Studies (KUFOS).

Courses Offered

All courses offered by SNGCE are affiliated to KERALA TECHNOLOGICAL UNIVERSITY (KTU) and approved by the All India Council for Technical Education (AICTE). The B. Tech programmes are of 8 semester (4 year) duration. The combined first and second semester courses are common for all branches. The M. Tech programmes are of 4 semester (2 year) duration, MBA and MCA programme is of 4 semester (2 year) duration

| UG | | |
|--------|--------------------------------------------------|--------|
| COURSE | DEPARTMENT | INTAKE |
| B.Tech | Civil Engineering | 60 |
| | Computer Science | 120 |
| | Mechanical Engineering | 60 |
| | Electrical & Electronics Engineering | 60 |
| | Electronics & Communication Engineering | 60 |
| | Naval Architecture and Ship Building Engineering | 60 |

| | PG | | |
|--------|--------------------------------------------------|-------------------------|--------|
| COURSE | DEPARTMENT | SPECIALIZATION | INTAKE |
| M.Tech | Civil Engineering | | |
| | Computer Science | | |
| | Mechanical Engineering | | |
| | Electrical & Electronics Engineering | | |
| | Electronics & Communication Engineering | | |
| | Naval Architecture and Ship Building Engineering | | |
| MCA | MCA | Computer Applications | 60 |
| MBA | MBA | Business Administration | |

Contact Us

[Address for Communication](#)

Kadayiruppu P.O Kolenchery
Ernakulam District, Kerala .Pin 682311

[Official Website](#)

NB: Use paragraphs, Horizontal Line, Line Break and different logical styles wherever appropriate. Table used here is to created using HTML table. Use hyperlink to move to the official web address of the college. Label the hyperlink as Official Website.

LINKING PAGES

PROGRAM NO: 2

AIM : Create a HTML file to link to different HTML pages (Image gallery, Time table of Gallery shows, Your Profile with sections) which contains images, tables, and also link within a page(profile).

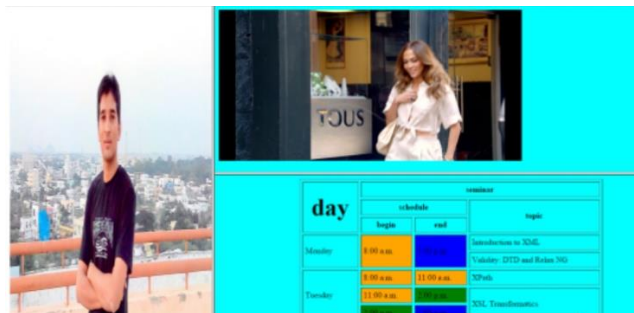
FRAMES

PROGRAM NO: 3

AIM: Create a HTML web page file with different types of frames such as floating frame, navigation frame & mixed frame.

- (i).Create an HTML page named as “mixedframe.html”. Divide the page into two columns of 25% & 75% size. In 25% display the image and divide the 75% into two rows. (50% & 50%). In the first 50% display the video file and other 50% the schedule created for webinars

Sample Output



- (ii).Create an HTML page named as “navigationframe.html”. Divide the page into two columns of 25%, 75% size. In 25% size call the hyperlink (with different category of mobile phones), and make the page to be get displayed on the other column when the link is clicked(a brief description of the phone selected).

- (iii).Create an HTML page named as “floatingframes.html”. In this create a sample picture viewer as follows using Floating frames

Sample Output

Picture Viewer

First | Second/ Third



CASCADING STYLE SHEETS (CSS)

PROGRAM NO: 4

AIM: Create a HTML file by applying the different styles using inline, external & internal style sheets

(A) Using Internal style sheets, create a web page showing your biodata, with the following styles:

- Put your Name in <h1> tag, center aligned.
- Add following via <h2> tags, Personal Details, Educational Details, Hobbies.
Put the respective contents below, in list format.
- Add contact details at the bottom including mail id and mobile number.
- Style all <h1> tags as red colored and center aligned and all <h2> tags as white colored with background color blue.
- Display <p> elements with a border
- Change the background color of the page to yellow

(B) Using External Style Sheets, create a web page with following styles:

- Create different paragraphs defining different selectors in CSS. Each paragraph should be defined with appropriate labels for making styles of each selector
- Style each selector with unique font color, and background color

(C) Create an html page named "Players.html". Use Inline Style Sheets to create a table as shown below

Sample Output

All-time Home Run Record

| <u>Player</u> | <u>Home Runs</u> | <u>Team</u> |
|---------------|------------------|----------------|
| Barry Bonds | 762 | <i>Giants</i> |
| Hank Aaron | 755 | <i>Braves</i> |
| Babe Ruth | 714 | <i>Yankees</i> |
| Willie Mays | 660 | <i>Giants</i> |

REGISTRATION FORM

PROGRAM NO : 5

AIM : Create a registration form using HTML. Use table to structure the elements.

Sample Output

STUDENT REGISTRATION FORM

| FIRST NAME | <input type="text"/> (max 30 characters) | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|------------|-----------------|---|---------|----------------------|----------------------|----------------------|---|-----------|----------------------|----------------------|----------------------|---|------------|----------------------|----------------------|----------------------|---|---------|----------------------|----------------------|----------------------|
| LAST NAME | <input type="text"/> (max 30 characters) | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE OF BIRTH | Day: <input type="text"/> Month: <input type="text"/> Year: <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMAIL ID | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOBILE NUMBER | <input type="text"/> (10 digit number) | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENDER | Male <input type="radio"/> Female <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADDRESS | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| CITY | <input type="text"/> (max 30 characters) | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIN CODE | <input type="text"/> (6 digit number) | | | | | | | | | | | | | | | | | | | | | | | | | |
| STATE | <input type="text"/> (max 30 characters) | | | | | | | | | | | | | | | | | | | | | | | | | |
| COUNTRY | <input type="text"/> India | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOBBIES | Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Sketching <input type="checkbox"/> Others <input type="checkbox"/> <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| QUALIFICATION | <table><thead><tr><th>Sl.No.</th><th>Examination</th><th>Board</th><th>Percentage</th><th>Year of Passing</th></tr></thead><tbody><tr><td>1</td><td>Class X</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td>2</td><td>Class XII</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td>3</td><td>Graduation</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td>4</td><td>Masters</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></tbody></table> <div>(10 char max) (upto 2 decimal)</div> | Sl.No. | Examination | Board | Percentage | Year of Passing | 1 | Class X | <input type="text"/> | <input type="text"/> | <input type="text"/> | 2 | Class XII | <input type="text"/> | <input type="text"/> | <input type="text"/> | 3 | Graduation | <input type="text"/> | <input type="text"/> | <input type="text"/> | 4 | Masters | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Sl.No. | Examination | Board | Percentage | Year of Passing | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Class X | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Class XII | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Graduation | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Masters | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | |
| COURSES APPLIED FOR | MCA <input type="radio"/> M.Tech <input type="radio"/> M.Sc <input type="radio"/> Ph.D <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPE YOUR PASSWORD | <input type="text"/> (max 30 characters) | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPLOAD YOUR PHOTO | <input type="button" value="Choose File"/> No file chosen | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE OF TC | <input type="text"/> mm/dd/yyyy <input type="button" value="📅"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><input type="button" value="Submit"/> <input type="button" value="Reset"/></div> | | | | | | | | | | | | | | | | | | | | | | | | | | |

CYCLE 2 – CO2 PROGRAMS

JAVASCRIPT

PROGRAM NO: 6

AIM: Create a HTML JS page to explain the use of various predefined functions in a string to print a name and find the length of a string. Also display PI, rounded min and power value of integer using math object in java script.

CALENDAR

PROGRAM NO: 7

AIM: Generate the calendar using JavaScript code

FORM VALIDATION

PROGRAM NO: 8

AIM: Create a HTML registration form and perform JavaScript Form Validation using the Job Application Registration Form.

CHANGING COLORS USING JAVASCRIPT

PROGRAM NO: 9

AIM: Create HTML page to change the background colour for every click of buttons using JavaScript Event.

MOUSE EVENT

PROGRAM NO: 10

AIM: Create a HTML page to display a new image and text when the mouse comes over the existing content (link reference) in the page using JavaScript Event Handling.

ONLINE EXAM

PROGRAM NO: 11

AIM: Create a HTML page to show online exam using JavaScript.

CYCLE 3 – CO3 PROGRAMS

LOGIN FORM

PROGRAM NO: 12

AIM: Create login form using database.

EMPLOYEE DETAILS

PROGRAM NO: 13

AIM: Write a php program to accept employee details and store it into database, also display the details from database (Emp ID, Emp Name, Designation, Salary)

CYCLE 4 – CO4 PROGRAMS

REGISTRATION

PROGRAM NO: 14

AIM: Write a script to generate a registration form

ELECTRICITY BILL

PROGRAM NO: 15

AIM: Prepare an Electricity bill from user input based on a given tariff.

CYCLE 5 – CO5 PROGRAMS

GROUP ACTIVITY

1. Understand the basic PHP framework (Laravel, Codelginitier, Symfony, CakePHP etc.)
2. Develop a web application for Airline Reservation System using any PHP framework
3. Test the application on an Application Server.
4. Understand the steps to deploy a PHP web application