



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

An Autonomous Institution with NAAC Accreditation (A Grade)  
\*Approved by AICTE \*Permanently affiliated to JNTUH \*NBA Accreditation  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 21/07/2018

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator

Dear Sir

**Sub: Requesting permission to conduct Introduction to HTML and Basic HTML tags**

I, Mr. B.Pavan, Assistant professor of CSE department and coordinator of the **WEB TECHNOLOGY CLUB** and earnestly requesting your permission to conduct an Web Technology Club .

Date of Event : 28/07/2018

Name of event : **Introduction to HTML and Basic HTML tags**

Venue of event: Block I , Room no 111


I request you to grant me permission and do the need full.

Thanking you

Yours sincerely

  
(B.Pavan)  
Convener

*Recommended*  
Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501 401.

*Permission granted*  
  
21/7/18

PRINCIPAL  
CMR COLLEGE OF ENGG. & TECH.  
Kandlakoya (V), Medchal Road,  
Hyderabad-501401.



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

CMRCET/PRIN/WTC/AY2018-19/CIR-02

Date: 13/08/2018

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in **Introduction to HTML and Basic HTML tags** used tags in webpage development

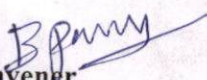
### Event Details:


**Date:** 18/08/2018

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no 111, Block-I.

**Contact:** Mrs B Pavan, Convener (9581719045).

  
Convener

  
Principal

**Copy Submitted to:** (1) The Secretary Garu – For your kind information Pl.

Copy to:

1. IQAC coordinator
2. Deans
3. Examination Branch
4. All HODS
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6. Accounts Officer
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## REPORT ON Introduction HTML Tags with CSS 18th August 2018



In our College we are conducting Web Technology Club of **Website development beginners** I started my journey learning about web development at the beginning of this year(2018). I looked back at why I had started to learn to program and I remember telling myself that I wanted to learn how to Design webpage that was about 4 years ago, at which time I bought the following books:

- 1.HTML & CSS: The Complete Reference, Fifth Edition, by [Thomas Powell](#) (Author)
- 2.HTML 5 Black Book, 2nd Edition, Kindle Edition, by [DT Editorial Services](#) (Author)
- 3.Head First HTML and CSS: A Learner's Guide to Creating Standards-Based Web Pages 2<sup>nd</sup> Edition, Kindle Edition

In this Web Technology club student learn easily understood html by giving more examples, explaining how to work each tag syntax and examples , by using this Students learn and designed new basic html pages.

**Outcome:** Design and develop Static WebPages of HTML,CSS



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 01/11/2018

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator  
Dear Sir

**Sub:** Requesting permission to conduct "HTML tags with CSS"

I, Mr. B.Pavan, Assistant professor of CSE Department and Convener of the **WEBTECHNOLOGY CLUB** requesting your permission to conduct an Web Technology Club event .

1. Date of Event : 10/11/2018
2. Name of event : Basic Webpage development using HTML tags
3. Venue of event: Block I, Room no 111

I request you to grant me permission and do the need full.

Thanking you

Yours sincerely

*B.Pavan*  
B.Pavan  
Convener

*Recommended*  
*and*

Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501401.

*Permitted to conduct*

*[Signature]*  
01/11/18

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---

CMRCET/PRIN/WTC/AY2018-19/CIR-03

Date: 08/11/2018

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in Development of web page.

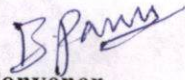
### Event Details:


**Date:** 10/11/2018

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no 111, Block-I,

**Contact:** Mrs B Pavan, coordinator (9581719045).

  
Convener

  
Principal

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## Report on HTML WITH CSS 18<sup>th</sup> August 2018

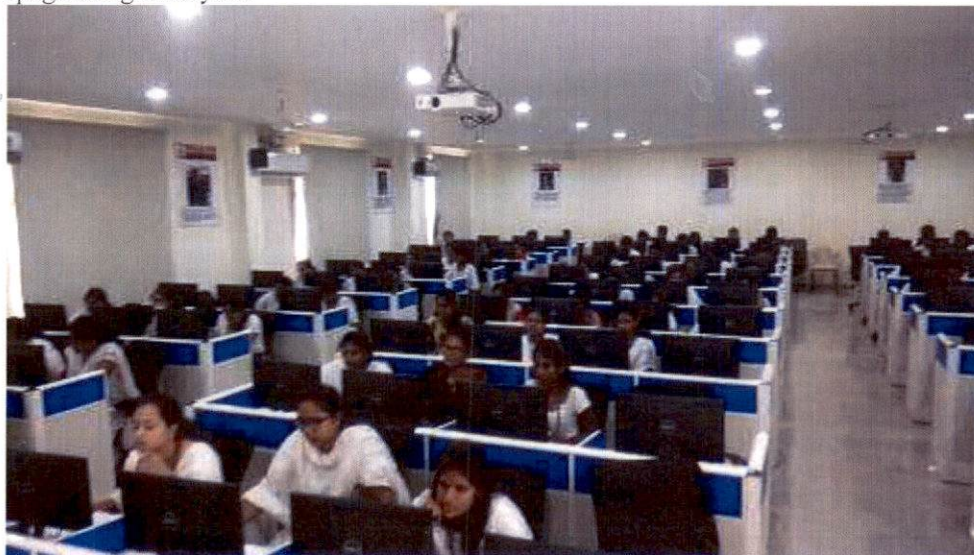
HTML Stands for Hyper Text Markup Language. It is developing by world wide web consortium. Web is the commonly used medium to share and network nowadays. But for more advanced features companies are building their own software. So it reduces the openness and platform independence of the web technology. Aim of the HTML to make a common platform for web with more advanced features like audio, video etc.

It is really an ongoing process with browsers implementing different parts of it progressively so it is not going to be all implemented at once and ready to go in one, the next few browser implementations. We have some features implemented already and shipping in browsers other features which are being worked on at the moment and other are planned for, but still a few years of yet. But it is gradually getting there. HTML isn't a software release, or a web development law. It's a voted-upon and group-edited standard, written in broad fashion to accommodate different styles of development and the different thinking among web browser makers.

Firefox, Safari, and Chrome on the desktop support a few of the styles and features outlined in HTML's draft specifications, like offline storage, canvas drawing, and, most intriguingly, tags for audio and video that allow sites to stream multimedia files directly into a browser. Apple's Safari for iPhone and the Android browser also support elements of HTML, as does Opera Mobile.

CSS is short form for Cascading Style Sheet. CSS is completely backwards compatible, so you will not have to change existing designs. Browsers will always support CSS. CSS offers a huge variety of new ways to create an impact with your designs, with quite a few important changes. Using CSS keyframe animations, developers can create smooth, maintainable animations. That perform relatively well and that don't require reams of scripting. It's just another way that CSS is helping to solve a real-world problem in an elegant manner.

Developing web page with html tags adding css styles to make good and attractive Website. There are different css styles available ie internal and external and inline by using this the student have to design new webpage using css styles.



**Outcome:** Design and develop different Styles of web applications using HTML,CSS



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 15/12/2018

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator

Dear Sir,

### Sub: Requesting permission to conduct PHP and JSON

I, Mr. B.Pavan, coordinator of the **WEB TECHNOLOGY CLUB** and Assistant professor of CSE department earnestly requesting your permission to conduct an Web Technology Club .

1. Date of Event : 22/12/2019
2. Name of event : **webpage developing PHP and JSON**
3. Venue of event: Block I , Room no 111

I request you to grant me permission and do the need full.

Thanking you

*Recommended*  
*[Signature]*  
Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501 401.

Yours sincerely

*B. Pavan*  
(B.Pavan)  
Convener

*Grant*

*[Signature]*  
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CMRCET/PRIN/WTC/AY2018-19/CIR-04

Date: 18/12/2018

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in **web page development using PHP and JSON**

### Event Details:

**Date:** 22/12/2018

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no: 111, Block-I

**Contact:** Mrs B Pavan, Convener (9581719045).

Convener

Principal

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1. IQAC coordinator
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## Report on PHP and JSON 23<sup>th</sup> December 2019

The term PHP is an acronym for **PHP: Hypertext Preprocessor**. PHP is a server-side scripting language designed specifically for web development. PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file. The thing that differentiates PHP with client-side language like HTML is, PHP codes are executed on the server whereas HTML codes are directly rendered on the browser.

For Referring book are

1. **Learning PHP, MySQL, JavaScript, and CSS** by Robin Nixon
2. PHP Web Services, 2nd Edition - O'Reilly Media
3. JSON - PHP Web Services, 2nd Edition [Book] - O'Reilly

The **json.simple** library allows us to read and write JSON data in Java. In other words, we can encode and decode JSON object in java using json.simple library.

JSON stands for JavaScript Object Notation. JSON is lightweight data-interchange format. JSON is easy to read and write than XML. JSON is language independent. JSON supports array, object, string, number and values. JSON is lightweight and self describing. JSON is originated from JavaScript. JSON is easy to read and write. JSON is language independent. JSON supports data structures such as array and objects.

The org.json.simple package contains important classes for JSON API. JSONValue

- o JSONObject
- o JSONArray
- o JsonString
- o JsonNumber

By using this PHP and JSON to create dynamic webpages. This will help to students for developing any website pages more efficient way reading and writing of code.



**Outcome:** i) JSON use to read data from a web server, and display the data in a web page.

ii) how Exchange JSON data between the client and a PHP server.



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 8/01/2019

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator

Dear Sir,

**Sub: Requesting permission to conduct Servlets with Database Connectivity**

I, Mr. B.Pavan, Assistant professor of CSE Department and Convener of the **WEB TECHNOLOGY CLUB** and earnestly requesting your permission to conduct an Web Technology Club .

Date of Event : 19/01/2019


Name of event : **Servlets with Database Connectivity**

Venue of event: Block I , Room no 111

I request you to grant me permission and do the need full.

Thanking you

Yours sincerely

  
(B.Pavan)  
Convener

*Recommended*

*Approved*  
Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501 401.

*Permitted to conduct*  
*08/01/19*

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CMRCET/PRIN/WTC/AY2018-19/CIR-05

Date: 16/01/2019

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in **Servlets Pages with Database Connectivity**

### Event Details:

**Date:** 19/01/2019

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no 111, Block-I

**Contact:** Mr. B Pavan, Coordinator (9581719045).

  
Convener

  
Principal

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Copy to:

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10. Students Notice Board

## Report on Servlets Pages with Database Connectivity 21<sup>st</sup> January 2019

Today we all are aware of the need of creating dynamic web pages i.e the ones which have the capability to change the site contents according to the time or are able to generate the contents according to the request received by the client. If you like coding in Java, then you will be happy to know that using Java there also exists a way to generate dynamic web pages and that way is Java Servlet. But before we move forward with our topic let's first understand the need for server-side extensions.

Servlets are the Java programs that runs on the Java-enabled web server or application server. They are used to handle the request obtained from the web server, process the request, produce the response, then send response back to the web server.

### Properties of Servlets :

Servlets work on the server-side.

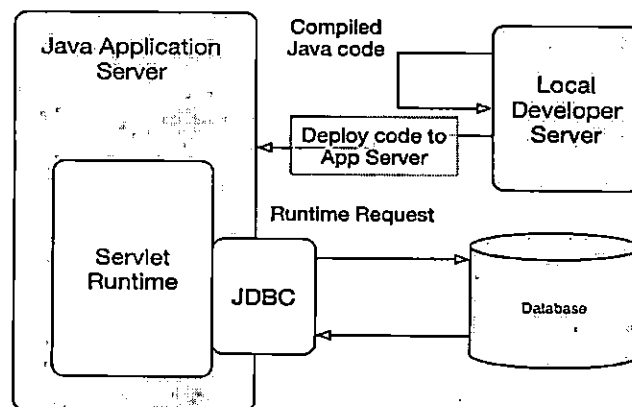
Servlets are capable of handling complex requests obtained from web server.

### Execution of Servlets :

Execution of Servlets involves six basic steps:

- i. The clients send the request to the web server.
- ii. The web server receives the request.
- iii. The web server passes the request to the corresponding servlet.
- iv. The servlet processes the request and generates the response in the form of output.
- v. The servlet sends the response back to the web server.
- vi. The web server sends the response back to the client and the client browser displays it on the screen.

Basic Architecture of Servlet with database as shown below



The server-side extensions are nothing but the technologies that are used to create dynamic Web pages. Actually, to provide the facility of dynamic Web pages, Web pages need a container or Web server. To meet this requirement, independent Web server providers offer some proprietary solutions in the form of APIs (Application Programming Interface).

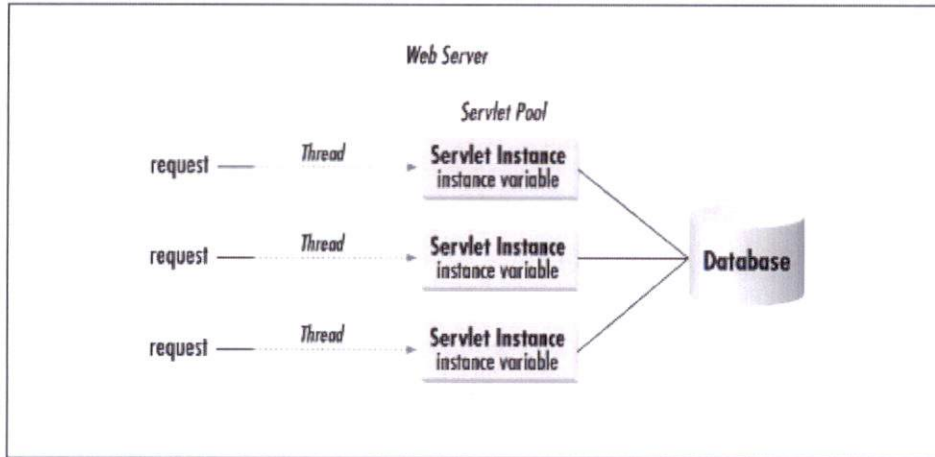
**Servlet with Multiple Request's on Database:**



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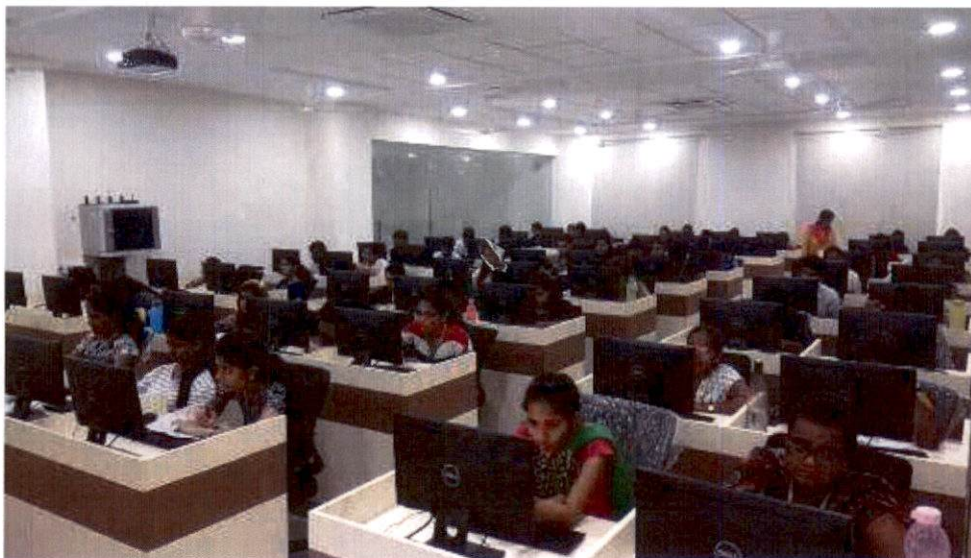
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These **APIs** allow us to build programs that can run with a Web server. In this case , **Java Servlet** is also one of the component APIs of **Java Platform Enterprise Edition** which sets standards for creating dynamic Web applications in Java.

In Servlet page we write code for connecting database MySQL. Using MySQL database to user data in database system and retrieve the data whenever need .



**Outcome:** Make Database connection to retrieve the data using Servlets request response model.



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 13/02/2019

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator

Dear Sir,

**Sub: Requesting permission to conduct HTML with JavaScript**

I, Mr. B.Pavan, Assistant professor of CSE department and Convener of the **WEB TECHNOLOGY CLUB** and earnestly requesting your permission to conduct an Web Technology Club .

Date of Event : 23/02/2019


Name of event : **HTML with JavaScript**

Venue of event: Block I , Room no 111

I request you to grant me permission and do the need full.

Thanking you

Yours sincerely

  
(B.Pavan)  
Convener

*Recommended*  
*and*  
*Permitted to conduct*  
*13/02/19*  
Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501 401.

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Hyderabad-501401.



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CMRCET/PRIN/WTC/AY2018-19/CIR-06

Date: 18/02/2018

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in html with JavaScript

### Event Details:

**Date:** 23/02/2019

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no 111, Block-I

**Contact:** Mrs B Pavan, Convener (9581719045).

Convener

Principal

**Copy Submitted to:** (1) The Secretary Garu – For your kind information Pl.

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1. IQAC coordinator
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3. Examination Branch
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5. Administrative Officer
6. Accounts Officer
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8. Training & Placement
9. Concerned Faculty
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## Report on html with JavaScript 25<sup>th</sup> February 2019

JavaScript is a MUST for students and working professionals to become a great Software Engineer specially when they are working in Web Development Domain. I will list down some of the key advantages of learning JavaScript:

### Applications of Javascript Programming

**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 presentations.

**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.

Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser.

It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content. The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid e-mail address in a form field.

The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server.

By using javascript to students learn client side validation of webpages.





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**Outcome:** To learn uses **JavaScript** are image manipulation, form validation, and dynamic changes of content.



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Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 04/03/2019

To.  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator

Dear Sir,

**Sub: Requesting permission to conduct Running Web application using Above Technologies**

I, Mr. B.Pavan, Assistant professor of CSE department and convener of the **WEB TECHNOLOGY CLUB** and earnestly requesting your permission to conduct an Web Technology Club event .

- 1.Date of Event : 16/03/2019
2. Name of event : **Running Web application using Above Technologies**
- 3.Venue of event: Block I , Room no 111

I request you to grant me permission and do the need full.

Thanking you

Yours sincerely

*B. Pavan*  
B.Pavan  
Convener

*Recommended*  
*and*

Coordinator  
Internal Quality Assurance Cell  
CMR College of Engineering & Technology  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501 401.

*Permission Granted*

*[Signature]*  
**PRINCIPAL**  
CMR COLLEGE OF ENGG & TECH.  
Kandlakoya (V), Medchal Road,  
Hyderabad-501401.



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---

CMRCET/PRIN/WTC/AY2018-19/CIR-07

Date: 11/03/2019

## CIRCULAR

All the students of **WEB TECHNOLOGY CLUB** are invited to participate in **Running Web application using Above Technologies**

**Event Details:**

**Date:** 16/03/2019

**Time:** 01:00 PM to 4:00 PM

**Venue:** Room no 111, Block-I

**Contact:** Mrs B Pavan, Coordinator (9581719045).

  
Convener

  
Principal

**PRINCIPAL**  
**CMR COLLEGE OF ENGG. & TECH.**  
Kandlakoya (V), Medchal Road,  
Hyderabad-501401.

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## Report on Running Web application using Above Technologies 19<sup>th</sup> March 2019

Technologies that are used to develop a web application User Interface are following

HTML

CSS

Javascript

Database (MySQL)

PHP

A website is a collection of related web pages, including multimedia content, typically identified with a common domain name, and published on at least one web server. A website may be accessible via a public Internet Protocol (IP) network, such as the Internet, or a private local area network (LAN), by referencing a uniform resource locator (URL) that identifies the site.

A web site consists of web pages which are interconnected to each other and contain various data and functionalities.

A web page, or webpage, is a document that is suitable for the World Wide Web and web browsers. A web browser displays a web page on a monitor or mobile device. The web page is what displays, but the term also refers to a computer file, usually written in HTML or comparable markup language. Web browsers coordinate the various web resource elements for the written web page, such as style sheets, scripts, and images, to present the web page. Typical web pages provide hypertext that includes a navigation bar or a sidebar menu to other web pages via hyperlinks, often referred to as links.

THE STEPS TO CREATE A WEB SITE Creating a web site requires multiple steps which includes the following:

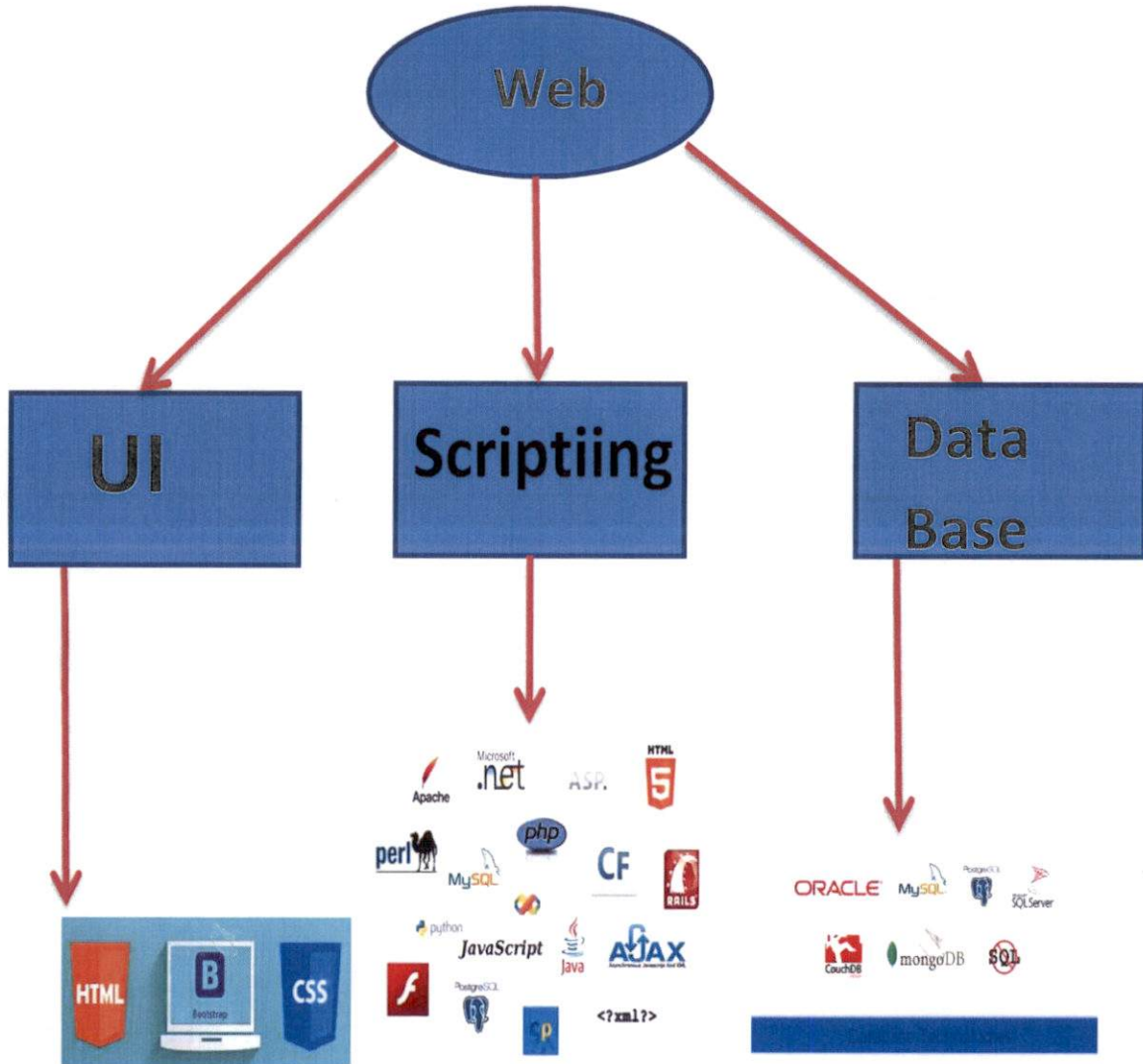
1. Creating a UI(User interface).
2. Scripting(Both at server end and client end).
3. Creating a backend or the database.



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Kandlakoya (V), Medchal Road, Hyderabad -501401.





# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

*An Autonomous Institution with NAAC Accreditation (A Grade)*  
\*Approved by AICTE \*Permanently affiliated to JNTUH \*NBA Accreditation  
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## HTML :

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a webserver or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. For example `<p> ...</p>` And `<img> ...</img>` used for image insertion.

HTML markup consists of several key components, including those called tags (and their attributes), character-based data types, character references and entity references. HTML tags most commonly come in pairs like `<h1>...</h1>` and although some represent empty elements and so are unpaired, for example. The first tag in such a pair is the start tag, and the second is the end tag (they are also called opening tags and closing tags).

### General Syntax of HTML

```
<html>
<head> <title> hai</title> </head>

<body>
  <h1> welcome to CMRCET HYDERABAD </h1>
  <h5> welcome to CSE DEPARTMENT </h5>
</body>
</html>
```

## CSS:

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications.

CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

The CSS specifications are maintained by the World Wide Web Consortium (W3C). Internet media type (MIME type) `text/css` is registered for use with CSS by RFC 2318 (March 1998). The W3C operates a free CSS validation service for CSS documents.



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## Client Side Scripting (JAVA SCRIPT)

Client-side scripting is changing interface behaviors within a specific web page in response to mouse or keyboard actions, or at specified timing events. In this case, the dynamic behavior occurs within the presentation. The client-side content is generated on the user's local computer system. Such web pages use presentation technology called rich interfaced pages. Client-side scripting languages like JavaScript or ActionScript, used for Dynamic HTML (DHTML) and Flash technologies respectively, are frequently used to orchestrate media types (sound, animations, changing text, etc.) of the presentation. Client-side scripting also allows the use of a technique by which the DHTML page requests additional information from a server, using a hidden frame, XML Http Requests, or a Web service.

### JSON In computing,

JavaScript Object Notation or JSON is an open standard file format that uses human-readable text to transmit data objects consisting of attribute-value pairs and array data types (or any other serializable value). It is a very common data format used for asynchronous browser/server communication, including as a replacement for XML in some AJAX-style systems.

JSON is a language-independent data format. It was derived from JavaScript, but as of 2017 many programming languages include code to generate and parse JSON-format data. The official Internet media type for JSON is application/json. JSON filenames use the extension .json. Douglas Crockford originally specified the JSON format in the early 2000s; two competing standards, RFC 7159 and ECMA-404, defined it in 2013.

The ECMA standard describes only the allowed syntax, whereas the RFC covers some security and interoperability considerations.

**Outcome:** Design and develop interactive and dynamic web applications using HTML, CSS, JavaScript, JSON, PHP & Servlets.