



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

CMRCET/PRIN/WTC/AY2019-20/01

Date: 10/07/2019

## OFFICE ORDER

It is to inform all faculty, staff and students that the **WEB TECHNOLOGY CLUB** is Constituted for the academic year 2019-20. To improve website Design skills for Students

The composition of Web Technology Club is as follows:

S.No.	Member & Designation																								
1.	Chairman - Dr.V.A Narayana, Principal CMRCET																								
2.	Convener - B.Pavan, Asst.prof CMRCET																								
3.	Faculty Members : <table border="1"><thead><tr><th>Sno</th><th>Name of the Faculty</th><th>Designation</th><th>Department</th></tr></thead><tbody><tr><td>1.</td><td>V.NARASIMHA</td><td>Assistant Professor</td><td>CSE</td></tr><tr><td>2.</td><td>N.SUVARNA</td><td>Assistant Professor</td><td>CSE</td></tr><tr><td>3.</td><td>B SREENIVAS</td><td>Assistant Professor</td><td>CSE</td></tr><tr><td>4.</td><td>A. PRAVEEN KUMAR</td><td>Assistant Professor</td><td>ECE</td></tr><tr><td>5.</td><td>G.YERRISWAMY</td><td>Assistant Professor</td><td>ECE</td></tr></tbody></table>	Sno	Name of the Faculty	Designation	Department	1.	V.NARASIMHA	Assistant Professor	CSE	2.	N.SUVARNA	Assistant Professor	CSE	3.	B SREENIVAS	Assistant Professor	CSE	4.	A. PRAVEEN KUMAR	Assistant Professor	ECE	5.	G.YERRISWAMY	Assistant Professor	ECE
Sno	Name of the Faculty	Designation	Department																						
1.	V.NARASIMHA	Assistant Professor	CSE																						
2.	N.SUVARNA	Assistant Professor	CSE																						
3.	B SREENIVAS	Assistant Professor	CSE																						
4.	A. PRAVEEN KUMAR	Assistant Professor	ECE																						
5.	G.YERRISWAMY	Assistant Professor	ECE																						
4.	Student Members : <table border="1"><thead><tr><th>Sno</th><th>Name of the Student</th><th>Roll No</th><th>Branch</th></tr></thead><tbody><tr><td>1</td><td>C Vishal</td><td>16H51A05D1</td><td>CSE-C</td></tr><tr><td>2</td><td>B Sohil Goud</td><td>16H51A05C6</td><td>CSE-C</td></tr><tr><td>3</td><td>Mohd Luqmanuddin</td><td>16H51A0593</td><td>CSE-B</td></tr><tr><td>4</td><td>A Maneesh Sai waroop</td><td>16H51A0563</td><td>CSE-B</td></tr></tbody></table>	Sno	Name of the Student	Roll No	Branch	1	C Vishal	16H51A05D1	CSE-C	2	B Sohil Goud	16H51A05C6	CSE-C	3	Mohd Luqmanuddin	16H51A0593	CSE-B	4	A Maneesh Sai waroop	16H51A0563	CSE-B				
Sno	Name of the Student	Roll No	Branch																						
1	C Vishal	16H51A05D1	CSE-C																						
2	B Sohil Goud	16H51A05C6	CSE-C																						
3	Mohd Luqmanuddin	16H51A0593	CSE-B																						
4	A Maneesh Sai waroop	16H51A0563	CSE-B																						

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
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH

Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA

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

CMRCET/PRIN/WTC/AY2019-20/CIR-01

Date: 15/07/2019

## CIRCULAR

All the members of "WEB TECHNOLOGY CLUB" of the college are requested to attend the meeting scheduled on 18.07.2019 at 3.00PM in the DBMS LAB-318,Block-II. The following points are on the agenda:

- 1.To Discuss about the SOP, Objectives, Role and responsibilities
- 2.To Discuss about the events to be conducted under the club

  
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
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

**Academic Year: 2019-20**

## **WEB TECHNOLOGY CLUB**

### **MINUTES OF MEETING**

Date: 18-07-2019

Time: 3:00-4:00 PM

Venue: DBMS LAB-319 (Block-II)

Chaired By: Dr V.A Narayana, Principal, CMR College of Engineering & Technology

The chairman welcomed all the committee members.

Item 1: SOP are finalized during the meeting and communicated for the same will be issued to the concern  
**STANDARD OPERATING PROCEDURE OF THE WEB DEVELOPMENT CLUB**

The objective of the club is to create and spread awareness about web pages development and its uses to real world.

The purpose of this procedure is to help students and faculty/staff to understand and to adhere to the roles and responsibilities upon joining the "WEB TECHNOLOGY CLUB"

Faculty members have to constantly motivate the student members of the club and should actively participate in activities conducted by the club.

Convener is supposed to release the correspondence related to the activities to be conducted for a particular academic year duly approved by the IQAC coordinator before end of previous academic year. At least 2 activities per semester or 5 activities for an academic year have to be compiled.

Chairman of WEB TECHNOLOGY club must release an office order in the month of May regarding the members of the committee for the next academic year.

### **STANDARD OPERATING PROCEDURE OF THE WEB DEVELOPMENT CLUB**

The objective of the club is to create and spread awareness about web pages development and its uses to real world.

The purpose of this procedure is to help students and faculty/staff to understand and to adhere to the roles and responsibilities upon joining the "WEB TECHNOLOGY CLUB".

Faculty members have to constantly motivate the student members of the club and should actively participate in activities conducted by the club.

Convener is supposed to release the correspondence related to the activities to be conducted for a particular academic year duly approved by the IQAC coordinator before end of previous academic year. At least 2 activities per semester or 5 activities for an academic year have to be compiled.

Chairman of WEB TECHNOLOGY CLUB must release an office order in the month of May regarding the members of the committee for the next academic year.



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

## Objectives:

- To develop a platform where the technical innovativeness of students in web technology could be nurtured and given a practical shape
- Provide a platform where the students can put their innovative efforts and clear their doubts to transform them into reality
- To organize workshops and competitions on Web Development in order to attract the interest of student community towards technical aspects of their education
- Represent CMRCET by participating at national level tech-fest and other technical events

## Rules & Responsibilities:

### Role:

The role of the Web Technology Convener is to monitoring club events properly according to schedule.

The Web Technology Club Convener gives ideas to students to innovate think to design new style webpages in website. In addition, the Web Technology club Convener advises and leads the organisation with reference to best practice, as well as emerging opportunities by learning above Technologies.

### Responsibilities:

Web Development Convener has some specific responsibilities.

These include: To plan for and manage the staff, resources and other.

To supervise the activity of the Web Development Faculties Team.

To evaluate the performance of the Web Development Club Students.

## List of Web Technology Club events to be Conduct as fallows:

S.No	Program	Date
1	Introduction to HTML ,Basic HTML tags	27/07/2019
2	HTML tags with CSS	10/08/2019
3	PHP,JSON	7/09/2019
4	Servlets/Database Connectivity	28/12/2019
5	JavaScript	4/01/2020
6	Running Web application using Above Technologies	14/03/2020



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

## List of Members Present in the Meeting:

SNO	NAME	Designation	Position	Signature
1	Dr.V.A Narayana	Principal	Chairman	
2	B.Pavan	Assistant Professor	Convener	
3	V.Narasimha	Assistant Professor	Member	
4	N.Suvarna	Assistant Professor	Member	
5	B Sreenivas	Assistant Professor	Member	
6	A. Praveen Kumar	Assistant Professor	Member	
7	G.Yerriswamy	Assistant Professor	Member	
8	C Vishal	Student from CSE	Coordinator	
9	B Sohil Goud	Student from CSE	Coordinator	
10	Mohd Luqmanuddin	Student from CSE	Coordinator	
11	A Maneesh Sai waroop	Student from CSE	Coordinator	

Convener

Principal



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 22.07.2019

To  
The Coordinator,  
IQAC,  
CMRCET, Medchal,  
Kandlakoya

Subject : Requesting approval to conduct the program of the **WEB TECHNOLOGY CLUB** for the A.Y 2019-20.

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

Following is the schedule of events to be conducted under **WEB TECHNOLOGY CLUB** for the Academic Year 2019-20

S.No	Program	Date
1	Introduction to HTML ,Basic HTML tags	27/07/2019
2	HTML tags with CSS	10/08/2019
3	PHP,JSON	7/09/2019
4	Servlets/Database Connectivity	28/12/2019
5	JavaScript	4/01/2020
6	Running Web application using Above Technologies	14/03/2020

I request you to grant me permission and do the needful

Thanking you,

  
Convener



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 22.07.2019

To  
The Coordinator,  
IQAC,  
CMRCET, Medchal,  
Kandlakoya

Subject : Requesting approval to conduct the program of the **WEB TECHNOLOGY CLUB** for the A.Y 2019-20.

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

Following is the schedule of events to be conducted under **WEB TECHNOLOGY CLUB** for the Academic Year 2019-20

S.No	Program	Date
1	Introduction to HTML ,Basic HTML tags	27/07/2019
2	HTML tags with CSS	10/08/2019
3	PHP,JSON	7/09/2019
4	Servlets/Database Connectivity	28/12/2019
5	JavaScript	4/01/2020
6	Running Web application using Above Technologies	14/03/2020

I request you to grant me permission and do the needful

Thanking you,

*B. Pavan*  
Convener

Date: 25/07/2019



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.


## Strategic Perspective Plan for the Academic Year 2019-20

Sl.No.	Date of the Event	Club Name	Name of the Event	Details
1	27/07/2019	WebTechnology Club	Introduction to html and basic html tags	Teaching different ways of design of basic web page
2	10/08/2019	WebTechnology Club	HTML tags with CSS	Design of webpage different styles using html and css
3	7/09/2019	WebTechnology Club	PHP,JSON	Exchange JSON data between the client and a PHP server.
4	28/12/2019	WebTechnology Club	Servlets/Database Connectivity	Make Database connection to retrieve the data using Servlets request response model.
5	4/01/2020	WebTechnology Club	JavaScript	Uses of <b>JavaScript</b> are image manipulation, form validation, and dynamic changes of content
6	14/03/2020	WebTechnology Club	Running Web application using Above Technologies	Design and develop interactive and dynamic web applications using HTML, CSS, JavaScript, JSON, PHP & Servlets.

### WebTechnology Club - Strategy Document

1. **WebTechnology Club** meeting is conducted at the beginning of each academic year.
2. A brief synopsis is given by the **WebTechnology Club** on the importance of committee.
3. Students are registered for **WebTechnology Club**.
4. Students are encouraged to actively participate in the **Web Technology Club** activities.
5. **WebTechnology Club** has given instructions and suggestions to the students about implementation of the events.

  
IQAC Coordinator

  
Principal

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





# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 25/07/2019

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 : 27/07/2019

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  
and*

Introduction to HTML and Basic HTML tags  
CMR  
Kandlakoya (V), Medchal Road,  
Hyderabad - 501401.

*permitted*

*25/7/19*



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH

Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA

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

CMRCET/PRIN/WTC/AY2019-20/CIR-02

Date: 26/07/2019

## 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:** 27/07/2019

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

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

**Contact:** Mr. 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
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

---

## REPORT ON Introduction HTML Tags with CSS 27th July 2019

In our College we are conducting Web Technology Club of **Website development beginners**. 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



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 03/08/2019

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 : 10/8/2019
- 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*  
*Permit*

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

*Permitted*  
*[Signature]*  
03/8/19



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

CMRCET/PRIN/WTC/AY2019-20/CIR-03

Date: 07/08/2019

## CIRCULAR

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

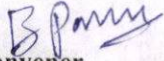
### Event Details:


**Date:** 10/08/2019

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

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

**Contact:** Mrs B Pavan, coordinator (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
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

## Report on HTML WITH CSS 10<sup>th</sup> August 2019

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



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH  
Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA  
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 02/09/2019

To,  
The Principal  
CMRCET  
Kandlakoya (V)  
Hyderabad.

Through: IQAC Co-Ordinator  
Dear Sir,

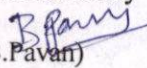
**Sub: Requesting permission to conduct PHP and JSON**

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 : 7/09/2019
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

Yours sincerely  
  
(B.Pavan)  
Convener

*Recommended  
and*

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

*Permitted*

*02/09/19*



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Approved by AICTE New Delhi, Permanently affiliated to JNTUH

Accredited by NAAC with 'A' Grade, All B.Tech Programmes Accredited by NBA

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

CMRCET/PRIN/WTC/AY2019-20/CIR-04

Date: 05/09/2019

## CIRCULAR

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

### Event Details:

**Date:** 7/9/2019

**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.

**Copy to:**

1. IQAC coordinator
2. Deans
3. Examination Branch
4. All HODS
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board



## Report on PHP and JSON 7<sup>th</sup> September 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

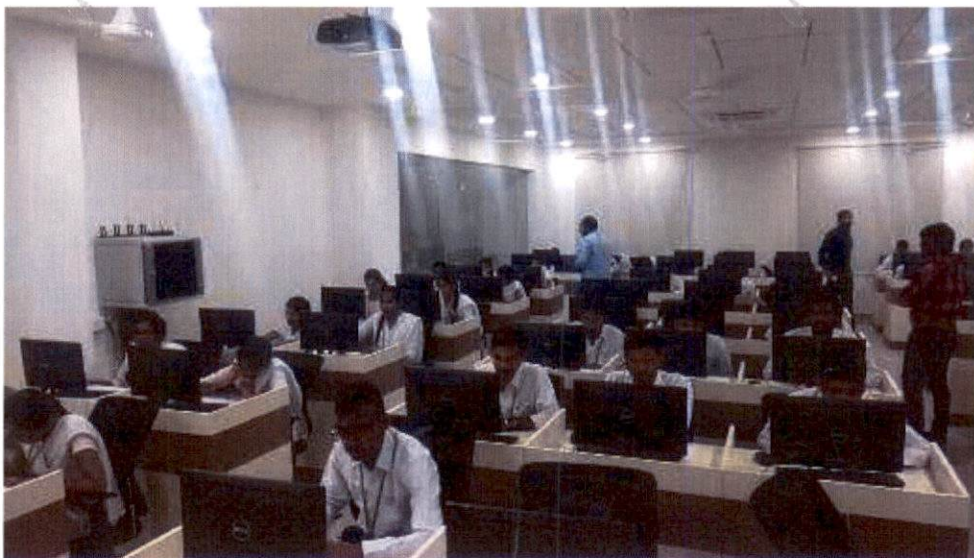
The **json.simple** library allows us to read and write JSON data in Java. In other words, we can encode and decode JSON object in java using json.simple library.

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.