



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**IAF-AVADI, CHENNAI - 55**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**STUDENTS CIRCULAR**

**Date: 10-08-2021**

The Department of Computer Science and Engineering plans to conduct a “Web Development using HTML, CSS and Javascript” certification course by “**Mohammed Shabi, M/s ifelse Technologies**” for the benefit of IV year CSE Students. This Course is Scheduled from **18-08-2021 to 15-09-2021** for 32 hours. All students must attend all classes with 75% attendance and score 50% on the Quiz. Students who complete the course successfully will receive certificates.

*Shabi*  
10/08/21

**HOD/CSE**

**HEAD**  
**Computer Science & Engineering**  
**Aalim Muhammed Salegh**  
**College of Engineering**

**Copy to:-**

Principal.

IQAC

Resource Person, Mr. Mohammed Shabi,

CSE Faculty Members

IV year CSE whatsapp group

Hostel/Transport Supervisor

Campus Manager / Campus Engineer



*[Signature]*  
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# AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by AICTE and Affiliated to Anna University Chennai



TNEA Counselling CODE: **1101**

**Department of Computer Science and Engineering**  
*organizes*

## Value Added Course

## Web Development using HTML, CSS and Java Scripts (For IV Year CSE Students)

Meet link: [meet.google.com/kxq-rgxn-gia](https://meet.google.com/kxq-rgxn-gia)

**RESOURCE PERSON**  
**Mr. MOHAMMED SHABI**  
**M/S IF ELSE**  
**TECHNOLOGIES**

**FROM**  
**18-08-2021**  
**TO**  
**15-09-2021**

**TIME**  
**4.00 PM TO 5.50 PM**

**Ass.Prof.G.Sulthana Begum**  
**HOD/CSE**

**Prof.Dr.Afzal Ali Baig**  
**Principal**

**Alhaj S Segu Jamaludeen**  
**Secretary & Correspondent**



  
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**DEPARTMENTOFCOMPUTERSCIENCEAND ENGINEERING**

**Value-Added Course Summary Report**



**Course Name:** Web Development using HTML, CSS, and JavaScript

**Date:**18-08-2021 to 15-09-2021

**Time:** 4.00 P.M to 5.50P.M

**Mode of Conduction:** online

**Speaker:** Mr. Mohammad Shabi

**Course Hours:** 32

**No of weeks:** 4

**No of Modules:**4

**Registered Students:** 62

**Certified Students:** 62

**The objective of the Course:**

The objective of the course is to equip students with the knowledge and skills necessary to develop Progressive Web Apps (PWAs) that combine the best features of web and mobile applications.

**Summary of the Course:**

- This course focuses on building modern, high-performance Progressive Web Apps (PWAs) by combining the best aspects of web and mobile apps.
- You'll learn key concepts like Service Workers, Web App Manifest, and Push Notifications to create PWAs that offer offline functionality, improved performance, and enhanced user engagement.
- By the end, you'll be equipped to create responsive, reliable, and engaging web applications that work seamlessly across various devices and network conditions.



  
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**The outcome of the Course:**

By the end of this course, you will be able to:

- Understand the fundamentals and benefits of Progressive Web Apps (PWAs).
- Implement Service Workers for caching, background sync, and push notifications.
- Create and customize a Web App Manifest.
- Develop responsive and offline-capable web applications using the app shell architecture.
- Test, deploy, and optimize PWAs for performance and user engagement.
- Build and deploy a real-world PWA, applying the concepts and techniques learned

throughout the course.

*Asghar*  
15/9/21  
COORDINATOR

*Shrey*  
15/9/21  
HOD/CSE

HEAD  
Computer Science & Engineering  
Aalim Muhammed Salegh  
College of Engineering



*W2*  
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COLLEGE OF ENGINEERING

From

Date: 13-08-2021

The HOD,  
Department of Computer Science and Engineering,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi,  
Chennai- 600 055.

To

The Principal,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi,  
Chennai - 600 055.

Subject: Requisition for Approval of Value-Added Course on “Web Development using HTML,CSS and Java Scripts”- Reg.

Respected Sir,

We would like to arrange a Value-Added Course on the title “Web Development using HTML,CSS and Java Scripts” for final-year CSE students. The Course will be conducted by “Mr. Mohamed Shabi”, M/s ifelse Technologies. The Value-Added Course will be conducted from 18.08.2021 to 15.09.2021. So we kindly request you to provide approval for the same.

Thanking you

Yours Faithfully

*Shabi* 13/08/21  
HOD/CSE

*permitted*  
*Shabi*  
13/8/21  
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COLLEGE OF ENGINEERING  
AVADI - IAF, MUTHAPUDUPET  
CHENNAI 600 055



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**DEPARTMENTOFCOMPUTERSCIENCEANDENGINEERING**  
**Value-Added Course Details**



**Course Name:** Web Development using HTML, CSS, and JavaScript **Date:** 18-08-2021 to 15-09-2021

Week	Content	Total Hours
1	<b>Introduction to HTML, CSS, and JavaScript</b> <b>Introduction to Progressive Web Apps</b> <ol style="list-style-type: none"><li><b>Overview of PWAs:</b><ul style="list-style-type: none"><li>Comparing PWAs with traditional web and mobile apps.</li></ul></li><li><b>Setting Up Your Development Environment:</b><ul style="list-style-type: none"><li>Installing and configuring Node.js, npm, and a code editor.</li></ul></li><li><b>Introduction to Service Workers:</b><ul style="list-style-type: none"><li>Registering and activating a Service Worker.</li></ul></li><li><b>Building Your First PWA:</b><ul style="list-style-type: none"><li>Creating a basic web app and turning it into a PWA.</li></ul></li></ol>	8
2	<b>Advanced Service Workers</b> <ol style="list-style-type: none"><li><b>Caching Strategies:</b><ul style="list-style-type: none"><li>Using Cache API and Indexed DB.</li></ul></li><li><b>Background Sync:</b><ul style="list-style-type: none"><li>Enabling background sync to ensure data synchronization.</li></ul></li><li><b>Push Notifications:</b><ul style="list-style-type: none"><li>Implementing the Push API to handle push events.</li></ul></li><li><b>Service Worker Lifecycle:</b><ul style="list-style-type: none"><li>Understanding Service Worker lifecycle events.</li></ul></li></ol>	8



  
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3	<p><b>Web App Manifest and App Shell</b></p> <ol style="list-style-type: none"> <li>1. <b>Creating a Web App Manifest:</b> <ul style="list-style-type: none"> <li>o Defining the web app manifest file.</li> </ul> </li> <li>2. <b>App Shell Architecture:</b> <ul style="list-style-type: none"> <li>o Understanding the app shell model for PWAs.</li> <li>o Structuring your app for fast loading and offline support.</li> </ul> </li> <li>3. <b>Responsive Design and Media Queries:</b> <ul style="list-style-type: none"> <li>o Using media queries to adapt layouts.</li> </ul> </li> <li>4. <b>Advanced PWA Features:</b> <ul style="list-style-type: none"> <li>o Improving user experience with custom loading screens.</li> </ul> </li> </ol>	8
4	<p><b>Testing, Deployment, and Performance Optimization</b></p> <ol style="list-style-type: none"> <li>1. <b>Testing PWAs:</b> <ul style="list-style-type: none"> <li>o Using Lighthouse and other tools to test and audit PWAs.</li> </ul> </li> <li>2. <b>Deployment:</b> <ul style="list-style-type: none"> <li>o Deploying your PWA to a web server.</li> </ul> </li> <li>3. <b>Performance Optimization:</b> <ul style="list-style-type: none"> <li>o Optimizing performance with lazy loading and code splitting.</li> </ul> </li> <li>4. <b>Real-world Application:</b> <ul style="list-style-type: none"> <li>o Building and deploying a real-world PWA project.</li> </ul> </li> </ol>	8
<b>Total Hours</b>		<b>32</b>



  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**Value-Added Course Name: Web Development using HTML, CSS, and JavaScript**

**Timing: 4.00 PM to 5.50 PM**

S.No	Date	Course Content
1	18/08/2021	Overview of PWAs
2	19/08/2021	Setting Up Your Development Environment
3	23/08/2021	Introduction to Service Workers
4	24/08/2021	Building Your First PWA
5	25/08/2021	Caching Strategies
6	26/08/2021	Background Sync
7	27/08/2021	Push Notifications
8	31/08/2021	Service Worker Lifecycle
9	01/09/2021	Creating a Web App Manifest
10	02/09/2021	App Shell Architecture
11	03/09/2021	App Shell Architecture Cont....
12	06/09/2021	Responsive Design and Media Queries
13	07/09/2021	Advanced PWA Features
14	08/09/2021	Testing PWAs
15	09/09/2021	Deployment
16	13/09/2021	Performance Optimization
17	14/09/2021	Performance Optimization Cont....
18	15/09/2021	Real-world Application



  
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*Ashaan*  
*10/8/21*





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
VALUE ADDED COURSE-ATTENDANCE SHEET**



**COURSE NAME: WEB DEVELOPMENT USING HTML, CSS & JAVA SCRIPT**

S.NO	REGISTER NO	NAME OF THE STUDENT	18/07/21	19/07/21	20/07/21	21/07/21	22/07/21	23/07/21	24/07/21	25/07/21	26/07/21	27/07/21	28/07/21	29/07/21	30/07/21	31/07/21	01/08/21	02/08/21	03/08/21	04/08/21	05/08/21	06/08/21	07/08/21	08/08/21	09/08/21	10/08/21	11/08/21	12/08/21	13/08/21	14/08/21	15/08/21
1	110118104001	ABDUL AZEEZ A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	110118104002	ABDUL BASITH M A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	110118104003	ABDUL HAMEED S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	110118104004	ABDUL KALAM M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	110118104005	ABDUL NAWAZ HAMDHAN T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	110118104006	ABDUL THAWAF A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	110118104007	ABDUL VAQEEL K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	110118104009	AFROZE FATHIMA M S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	110118104011	AREEB HAMMAD N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	110118104012	ARUL BALAJI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	110118104013	ASMATH HAZEENA A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	110118104014	ATHIQ ALI N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	110118104015	ATHIQR RAHMAN H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	110118104016	DIVYA LAKSHMI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	110118104017	FAIZAN HAMID P K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	110118104018	GANESH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	110118104019	GIRJESH KUMAR S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	110118104021	HIMAYUN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	110118104022	IRSHAD KHAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	110118104023	SHAIK ALTHAF	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	110118104024	KALANDHAR FASIL K K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	110118104025	LIYAGATH ALI KHAN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	110118104026	MOHAMED ABRAR M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	110118104027	MOHAMED ANEES M A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/



*[Signature]*  
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**AVADI, IAF, MUTHAPUDU**  
**CHENNAI 600 056**







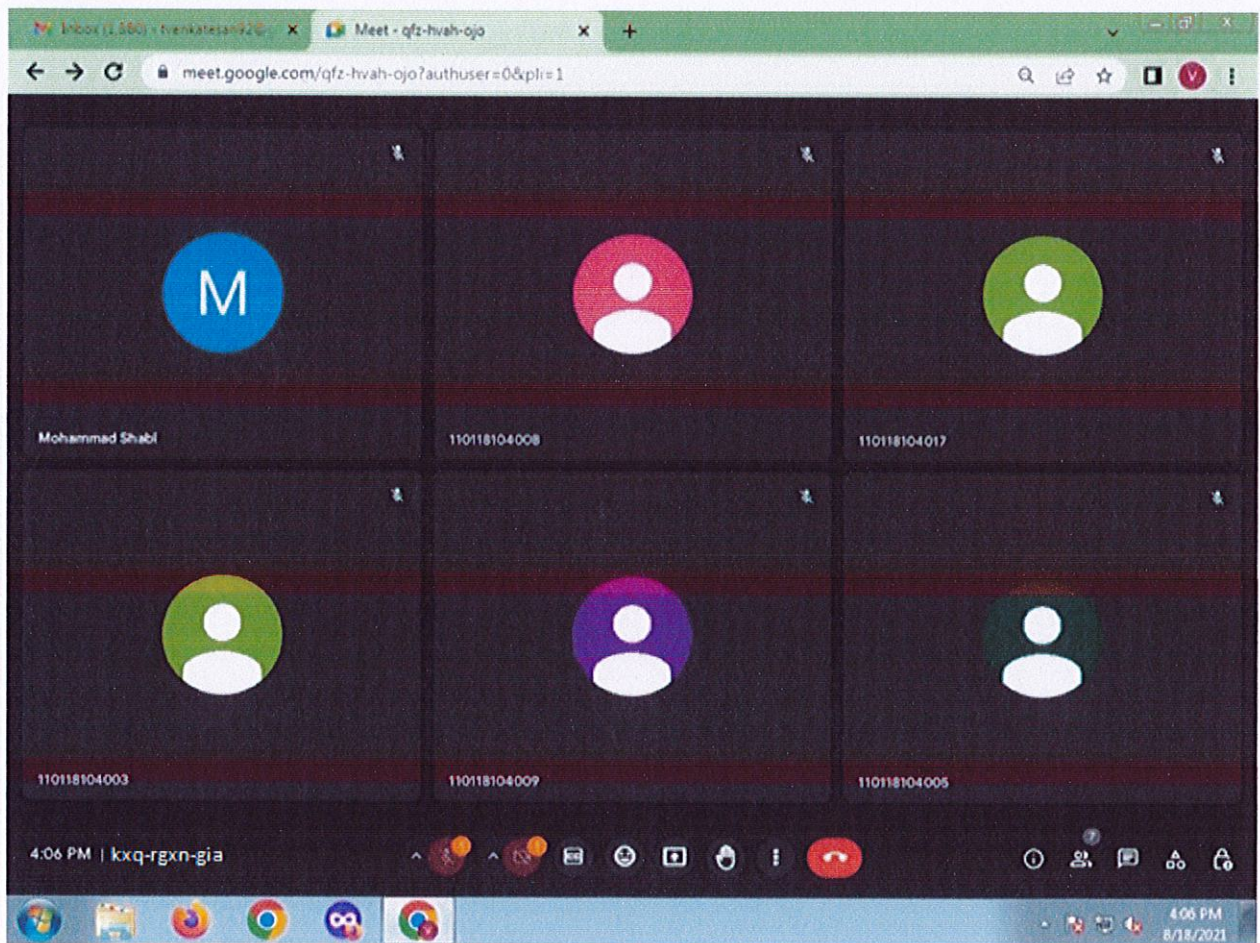
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**AVADI – IAF, CHENNAI -55**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR: 2021-2022**

**COURSE NAME: WEB DEVELOPMENT USING HTML,CSS, JAVASCRIPT**



*[Signature]*  
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ifelse  
technologies

C:NO: 2021101

## CERTIFICATE OF COMPLETION

This is to certify that **Mr./Ms.ABDUL AZEEZ A (REG NO:110118104001)**, AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING has successfully completed the value added course **WEB DEVELOPMENT USING HTML, CSS AND JAVASCRIPT** conducted from 18-08-2021 to 15-09-2021.

SIGNATURE

MOHAMMED SHABI

DATE: 20<sup>th</sup> SEP 2021



  
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C:NO: 2021102

## CERTIFICATE OF COMPLETION

This is to certify that **Mr./Ms.ABDUL BASITH M A (REG NO:110118104002)**, AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING has successfully completed the value added course **WEB DEVELOPMENT USING HTML, CSS AND JAVASCRIPT** conducted from 18-08-2021 to 15-09-2021.

DATE: 20<sup>th</sup> SEP 2021



  
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COLLEGE OF ENGINEERING

SIGNATURE

MOHAMMED SHABI



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C:NO: 2021103

## CERTIFICATE OF COMPLETION


This is to certify that **Mr./Ms.ABDUL HAMEED S (REG NO:110118104003)**, AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING has successfully completed the value added course **WEB DEVELOPMENT USING HTML, CSS AND JAVASCRIPT** conducted from 18-08-2021 to 15-09-2021.

DATE: 20<sup>th</sup> SEP 2021

SIGNATURE

MOHAMMED SHABI



  
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C:NO: 2021104

## CERTIFICATE OF COMPLETION


This is to certify that **Mr./Ms.ABDUL KALAM M (REG NO:110118104004)**, AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING has successfully completed the value added course **WEB DEVELOPMENT USING HTML, CSS AND JAVASCRIPT** conducted from 18-08-2021 to 15-09-2021.

DATE: 20<sup>th</sup> SEP 2021

SIGNATURE

MOHAMMED SHABI



  
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