



# Bharath

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

## Requisition Letter

Date: 07.07.2022

From  
Dr.S.Maruthuperumal,  
Professor & Head,  
Department of CSE,  
Bharath Institute of Higher Education and Research,  
Chennai

To  
The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Chennai

Respected sir

**Subject: Request of Permission to conduct a value-added course on "FULL STACK WEB DEVELOPMENT" -Reg**

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on "FULL STACK WEB DEVELOPMENT" in our campus from 14.07.2022, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: CSE Smart room

Timing: 9:30 AM to 12:30 PM(FN) and 1.30 PM to 04.30 PM (AN) and Saturday (FN&AN).

Submitted to Dean Engineering for approval to organize this value-added course.

HOD

DEAN ENGINEERING



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## CIRCULAR

08.07.2022

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **FULL STACK WEB DEVELOPMENT** for the benefit of students. This course is scheduled from 14.07.2022 which includes theory and practical. The timings are 9:30 AM to 12:30 PM(FN) and 1.30 PM to 04.30 PM (AN) and Saturday (FN&AN).

**All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the course.**

S.NO	Name of the Faculty	Designation
1	Dr.K.P.Kaliyamurthie	Professor
2	Mrs.B.N.SWARNA JYOTHI	Assistant Professor

**Head of Department**

To

Copy to CSE

Copy to IT



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## **CERTIFICATE COURSE ON FULL STACK WEB DEVELOPMENT**

**Date of Introduction of the Course – 14.07.2022**

### **COURSE SYLLABUS**

#### **1. Introduction to Web Development and Version Control**

To learn about the practice of tracking and managing changes to software code.

#### **2. HTML (Front-end Development)**

Detail information about the basic building block needed to develop websites

#### **3. CSS (Front-end Development)**

Style sheets dictate the presentation of HTML elements on a page.

#### **4. JavaScript (Front-end Development)**

Demonstrate about a React-based front-end development framework.

#### **5. Front-end Development with React**

React is one such front-end library that can build engaging user interfaces.

#### **6. Node.js and Express.js**

Express is a node is web application framework that provides broad features for building web and mobile applications.

#### **7. MongoDB and Database Management**

MongoDB is a non-relational document database that provides support for JSON-like storage.

#### **8. Advanced React and State Management**

React applications, state is an integral part of what makes the application dynamic and interactive.

#### **9. Deployment and Hosting**

Hosting provides the environment for the application, deploying sets up the application in the environment.

#### **10. Front-end Styling with Bootstrap**

Bootstrap sets basic global display, typography, and link styles.

#### **11. Front-end Styling with Tailwind CSS**

CSS framework that provides a wide range of pre-designed, customizable classes for quickly building user interfaces.

#### **12. PHP (Back-end Development)**

PHP was designed to be simple and easy to maintain.

### **13. Efficient Backend Management with Spring Boot**

A powerful framework for building Java-based applications, sets the stage for developing robust backend systems.

### **14. Data Structures And Scalability**

Learn Data Structures & Algorithms to write an efficient, robust, & optimized code. Learn how to build robust & scalable web servers with a thorough understanding of AWS.

## **COURSE OBJECTIVES**

This course is an introduction on the Full-stack Web development can also help create more cohesive and user-friendly websites and applications. By having a deep understanding of both the front-end and back-end development process, full-stack developers can create a more unified user experience that can lead to increased customer satisfaction and loyalty.

**Specifically, the course has the following objectives:**

#### **Students will learn**

1. This course makes the students to understand the advanced skills and knowledge in web development,
2. Become familiar with. advanced front-end and back-end development, payment gateway integration, and advanced debugging and optimization techniques.
3. Students can Know about more cohesive and user-friendly websites and applications.
4. Learn to create a more unified user experience that can lead to increased customer satisfaction and loyalty. Learn the concepts related to web server hacking and attacks.
5. Ability to oversee the entire development process.
6. Be able to Learn to research new methods of development in web applications and programming languages.



**COURSE COORDINATOR**



**HEAD OF THE DEPARTMENT**





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## CERTIFICATE COURSE ON

### FULL STACK WEB DEVELOPMENT

Date of Introduction of the Course –Online Mode: 14.07.2022

### STUDENTS NAME LIST

SL.NO	REGISTER NO	NAME OF THE STUDENT
1.	U20CN002	KORUPURI JOSEPH RAJ KUMAR
2.	U20CN006	KOTA SANJAY JOSHI
3.	U20CN013	KOTLA KIRAN
4.	U20CN014	KOURU KOTI
5.	U20CN016	KOYI VENKATA NARASIMHAM
6.	U20CN018	KUKKALA DINESH
7.	U20CN020	KUNCHABANDA GOWTHAM REDDY
8.	U20CN023	KUNDRAPU SAGAR
9.	U20CN024	KUNISETTI RAJA SUBRAHMANYA GANESH
10.	U20CN026	KUNTA NAVEEN
11.	U20CN029	KURAPATI JAGADEESH PRASAD
12.	U20CN030	KURAPATI SUDHA HANUMATH GUPTHA
13.	U20CN031	KURASALA SADU SUNDAR
14.	U20CN032	KURUBA PRAMOD
15.	U20CN033	KUTLA VENKATESH YADAV
16.	U20CN034	LAGISHETTI SPANDANA
17.	U20CN037	LAMBU BIHARADWAZ
18.	U20CN038	LAMBU DATTA VENKATA SAI RAM
19.	U20CN040	LINGALA SHIVAJI
20.	U20CN041	LINGAMPELLY VIVEK

21.	U20CN042	LOGESH S
22.	U20CN043	LOGUNATH BOSE S
23.	U20CN044	LOKESH KUMAR N S
24.	U20CN045	LUTTA DILEEP KUMAR
25.	U20CN046	MACHA MANIKANTA
26.	U20CN047	MEDAGAM SRINIVASA REDDY
27.	U20CN048	MADDA DEEPA
28.	U20CN050	MADDIPATI VENKATA SUBRAHMANYAM
29.	U20CN052	MADDUKURI POOJITHA
30.	U20CN056	MADU SURYA RAGHAVENDRA
31.	U20CN057	MAIDAMSHETTY KRUTHIK CHANDER
32.	U20CN059	MALEPU AJAY KUMAR
33.	U20CN060	MALKARI MUKESH KUMAR
34.	U20CN064	MALLELA MAHESH
35.	U20CN065	MALLELA RAMANJI
36.	U20CN066	MALLELA SHASHIKANTH
37.	U20CN067	MALLIKANTI VINEEL KUMAR
38.	U20CN069	MAMIDALA VAMSHIKRISHNA
39.	U20CN071	MANDA GEETHA MADHURI MALINI
40.	U20CN073	MANDADI SRIKAVYA
41.	U20CN074	MANDAVA TARUN KUMAR
42.	U20CN076	MANIGAMU KALYAN
43.	U20CN079	MANOJ R
44.	U20CN002	KORUPURI JOSEPH RAJ KUMAR
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84.	U20CN074	MANDAVA TARUN KUMAR
85.	U20CN076	MANIGAMU KALYAN



**HOD**



### COURSE FEEDBACK FORM

Academic Year		2022-2023							
Term									
Course Number		VAC01/SOC/2022-07/14							
Course Title		FULL STACK WEB DEVELOPMENT							
Number of Credits									
Type of Course	Regular	YES	Elective		Add-on	<input checked="" type="checkbox"/>			
<b>I. Information on the Respondent: (Tick (√) Appropriately)</b>									
<b>1. Percentage of classes attended</b>									
0-20		20-40		40-60		60-80	YES	80-100	<input checked="" type="checkbox"/>
<b>2. Number of hours per week spent on the course (Other than lecture hours)</b>									
0-2		2-4		4-6	YES	6-8		8-10	<input checked="" type="checkbox"/>
<b>3. Preparation for the course by the student:</b>									
(i)	Have done part of this course earlier								
(ii)	Has adequate prior exposure to the prerequisites <input checked="" type="checkbox"/>								
(iii)	Had to pickup relevant additional topics through concurrent study								
(iv)	Have no exposure to the background material								
<b>4. The expectations for taking the course by the student are:</b>									
(a)	Enhance by skill base in the area of specializations								
(b)	Get exposed to a relevant subject <input checked="" type="checkbox"/>								
(c)	Curiosity								
(d)	Better Employment Opportunity								
(e)	Complete Course requirements								
(f)	To Improve CGPA								
<b>About the Instructor: Information on the Respondent: (Tick (√) Appropriately)</b>									
		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>			
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>							
2.	Comment of the Subject	<input checked="" type="checkbox"/>							
3.	Clarity of expression	<input checked="" type="checkbox"/>							
4.	Level of preparation		<input checked="" type="checkbox"/>						
5.	Level of interaction		<input checked="" type="checkbox"/>						
6.	Accessibility outside the class	<input checked="" type="checkbox"/>							
7.	Others (please specify)	<input checked="" type="checkbox"/>							
<b>A: Excellent</b>		<b>B: Very Good</b>	<input checked="" type="checkbox"/>	<b>C: Good</b>		<b>D: Satisfactory</b>		<b>E: Poor</b>	

  
**HEAD OF THE DEPARTMENT**

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**CERTIFICATE OF PARTICIPATION**




**Ms. MANDADI SRIKAVYA**

For actively participated in the value added course "FULL STACK  
WEB DEVELOPMENT "Conducted by School of Computing, BIHER

from 14-07-2022 to 26.07.2022.

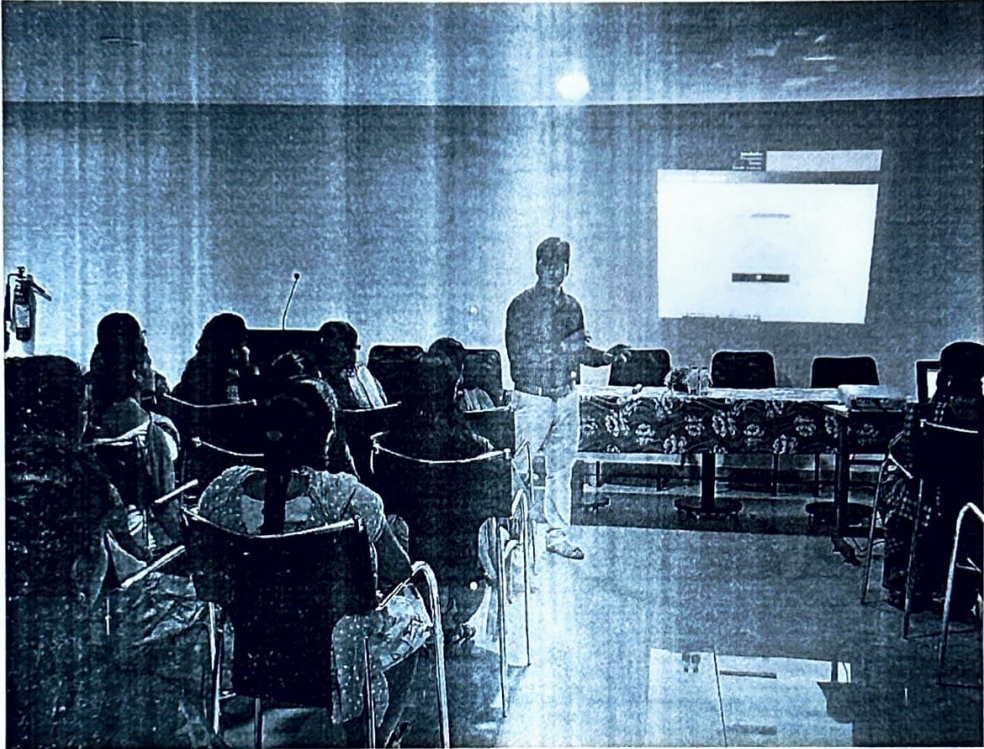
  
Course Coordinator

  
Head of Department

  
Dean



**CERTIFICATE COURSE ON FULL STACK WEB DEVELOPMENT**  
**Introduction of the Course: 14.07.2022**



**Course Coordinator**

**Head of the Department**