



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



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No. 173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Requisition Letter

Date:21.10.2021

From
Dr. K.P.Kaliyamurthie,
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 “**Jquery and Advanced Java Script**” -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 “**Jquery and Advanced Java Script**” in our campus premises on **01.11.2021**, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: **CSE Smart Room**

Submitted to Principal for approval to organize this value-added course.

HOD HEAD OF DEPARTMENT
Department of Computer Science & Engg.,
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073. INDIA

DEAN ENGINEERING



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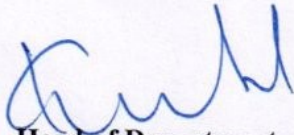
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CIRCULAR

27.10.2021

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Jquery and Advanced Java Script** for the benefit of II, III and IV year students. This course is scheduled from 01.11.2021 for 30hours which includes theory and practical. The timings are 3:30 PM to 5:30 PM

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.C.Nalini	Professor
2	Dr.C.Rajabhushanam	Professor


Head of Department

To

Copy to CSE

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Department of Computer Science & Engg.,
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CERTIFICATE COURSE ON JQUERY AND ADVANCED JAVA SCRIPT

Date of Introduction of the Course: 01.11.2021

COURSE SYLLABUS

1. Introduction to JavaScript

Introduction to Javascript, JS History, Webkit's Web Inspector, Tracking down errors, JS versions

2. Variable, Value, Data type, Operators and Expressions

Comments, Variables: and let keyword, Statements, Value, JS Keywords, Primitive Data types, Non-Primitive Data types, Type of Operators, Understanding Expressions.

3. Arrays, Decision making and Loops

String, Arrays, If Statement, If-Else Statement, If-Else-IF ladder and Nested If Statements, Switch, Handling repetitive tasks with loops, For Loop, While and Do-While Loop

4. Functions, Variable Scope and Objects

Function, Calling a Function, Parameters and default parameters, Scope of Variables: block level scope, Predefined Functions, Object, Elements and Properties, Accessing an Object's properties and methods, Constructor and this keyword, Date and Math Objects

5. The Browser Environment

BOM (Browser Object Model), Window.* properties, DOM (document object model), Accessing DOM Nodes, Modifying DOM Nodes, Creating and Removing Nodes.

6. Events and Event Handling

Events, Listen to Events, Event Handling, HTML5 Forms and Input tag (form validation), Get and Post methods

7. JQuery

Introduction to JQuery, Structure of jQuery, Using jQuery and including .js file to HTML, Type of Selectors, Handling Events with jQuery

8. Filtering, Searching and Effects

Selectors Recap, Element and ID Selectors, jQuery DOM Traversal, jQuery DOM Manipulation, jQuery Effects

9. AJAX and JQuery

Introduction to AJAX, Asynchronous access to remote data, GET HTTP request, AJAX Load, Send Data, Callback Handlers, Change AJAX data type, Status Codes, JSON, Accessing and Consuming remote JSON Data

10. HTML5 Forms and JQuery UI

Understanding Forms, Adding Smarts to Your Forms, Form Validation, Updating Database Table Values, Introduction to jQuery UI, Animation and Special Effects

11. Project

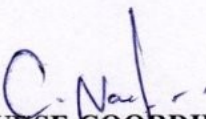
COURSE OBJECTIVES

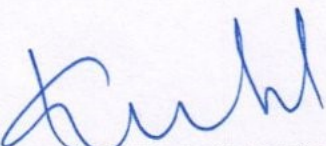
In this course we plan to give students an overview of the field of JQuery and Advanced Java script, and an in-depth study into its enabling technologies and main building blocks. Students will gain hands-on experience solving relevant problems through projects. It is our objective that students will develop the skills needed to become a practitioner or carry out research projects in this domain.

Specifically, the course has the following objectives:

Students will learn to:

- 1) Make communication between the browser and server
- 2) Learn what jQuery is and how to add it to applications
- 3) Develop rich web pages that respond to user interaction
- 4) Become adept at implementing client-side interfaces through the use of the DOM, jQuery and AJAX.
- 5) Become familiar with common libraries and tools that are used in web application development.


COURSE COORDINATOR


HEAD OF THE DEPARTMENT

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CERTIFICATE COURSE ON JQUERY AND ADVANCED JAVA SCRIPT

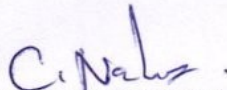
Date of Introduction of the Course: 01.11.2021

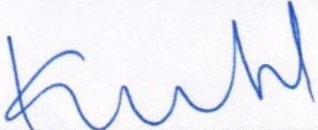
The timings are 3:30 PM to 5:30 PM from Monday to Friday

Time Table & Lesson plan

CLASS	DATE	TOPIC
1,2	01-11-2021	1. Introduction to JavaScript Introduction to Javascript, JS History, Webkit's Web Inspector, Tracking down errors, JS versions
3,4	02-11-2021	2. Variable, Value, Data type, Operators and Expressions Comments, Variables: and let keyword, Statements, Value, JS Keywords, Primitive Data types, Non-Primitive Data types, Type of Operators, Understanding Expressions.
5,6	03-11-2021	3. Arrays, Decision making and Loops String, Arrays, If Statement, If-Else Statement, If-Else-IF ladder and Nested If Statements, Switch, Handling repetitive tasks with loops, For Loop, While and Do-While Loop
7,8	04-11-2021	4. Functions, Variable Scope and Objects Function, Calling a Function, Parameters and default parameters, Scope of Variables: block level scope, Predefined Functions, Object, Elements and Properties, Accessing an Object's properties and methods, Constructor and this keyword, Date and Math Objects
9,10	07-11-2021	4. Functions, Variable Scope and Objects Function, Calling a Function, Parameters and default parameters, Scope of Variables: block level scope, Predefined Functions, Object, Elements and Properties, Accessing an Object's properties and methods, Constructor and this keyword, Date and Math Objects
11,12	08-11-2021	5. The Browser Environment BOM (Browser Object Model), Window.* properties, DOM (document object model), Accessing DOM Nodes, Modifying DOM Nodes, Creating and Removing Nodes.

13,14	09-11-2021	6. Events and Event Handling Events, Listen to Events, Event Handling, HTML5 Forms and Input tag (form validation), Get and Post methods
15,16	10-11-2021	7. JQuery Introduction to JQuery, Structure of jQuery, Using jQuery and including .js file to HTML, Type of Selectors, Handling Events with jQuery
17,18	11-11-2021	8. Filtering, Searching and Effects Selectors Recap, Element and ID Selectors, jQuery DOM Traversal, jQuery DOM Manipulation, jQuery Effects
19,20	14-11-2021	8. Filtering, Searching and Effects Selectors Recap, Element and ID Selectors, jQuery DOM Traversal, jQuery DOM Manipulation, jQuery Effects
21,22	15-11-2021	9. AJAX and JQuery Introduction to AJAX, Asynchronous access to remote data, GET HTTP request, AJAX Load, Send Data, Callback Handlers, Change AJAX data type, Status Codes, JSON, Accessing and Consuming remote JSON Data
23,24	16-11-2021	9. AJAX and JQuery Introduction to AJAX, Asynchronous access to remote data, GET HTTP request, AJAX Load, Send Data, Callback Handlers, Change AJAX data type, Status Codes, JSON, Accessing and Consuming remote JSON Data
25,26	17-11-2021	10. HTML5 Forms and JQuery UI Understanding Forms, Adding Smarts to Your Forms, Form Validation, Updating Database Table Values, Introduction to jQuery UI, Animation and Special Effects
27,28	18-11-2021	10. HTML5 Forms and JQuery UI Understanding Forms, Adding Smarts to Your Forms, Form Validation, Updating Database Table Values, Introduction to jQuery UI, Animation and Special Effects
29,30	21-11-2021	11. Project


COURSE COORDINATOR


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CERTIFICATE COURSE ON JQUERY AND ADVANCED JAVA SCRIPT

Date of Introduction of the Course: 01.11.2021

School of Computing Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U14CS006	ABHIKAMALI .A
2	U14CS007	ABHISHEK MANDURI
3	U14CS008	AJAY.D
4	U14CS009	AKASH CHANDRA AMBASTHA
5	U14CS010	AKHIL REDDY.G
6	U14CS011	AKSHAY.R
7	U14CS060	JASIMKHAN.J.
8	U14CS061	JENNIFER.S
9	U14CS062	JERIPOTHULA SURESH GOUD
10	U14CS063	JOHN DALTON .H
11	U14CS064	K. LAKSHMIKANTH REDDY
12	U14CS065	K. LAKSHMI NARAYANA REDDY
13	U14CS066	KARAN KUMAR CHETTRI
14	U14CS058	KARTHIKEYAN.J
15	U14CS142	RAJA S.V
16	U14CS143	RAJNISH RANJAN PANDEY
17	U14CS144	RAKESH KUMAR
18	U14CS145	RAKHI PRASAD
19	U14CS146	RAM KUMAR PANDEY
20	U14CS173	SHEKH ADNAN NIYARIYA
21	U14CS181	SOURABH PRIYADARSHI
22	U14CS182	SRI DHARSHINI .P
23	U14CS183	SULEKHA KUMARI
24	U14CS198	VADLAMUDI KOWSHIK
25	U15CS012	ARAVAPALLI SIVA VINAYA

26	U15CS024	BIKKI KUMAR SHA
27	U15CS171	RAGILLA SANTHOSH KUMAR
28	U15CS172	RAJULA SREEVANI
29	U15CS173	RAKESH RATHI
30	U15CS180	RAVURI SRIKANTH
31	U15CS182	RICHARD WUMBRAND J
32	U15CS183	S. PUNITHA
33	U15CS184	S. SAI SHRUTHI
34	U15CS191	SEETAPTI HEMA SEKHAR
35	U15CS192	SESHA SRUJAN.B
36	U15CS193	SHAIK AFRIDI
37	U15CS194	SHAIK SABIR
38	U15CS195	SHAIK YASMEEN
39	U15CS196	SHARYARAI.S
40	U15CS197	SHATRUGHAN SUHAN.S
41	U15CS225	VINOTHKUMAR.J
42	U15CS226	V. VEERAVENKATA SATYANARAYANA
43	U15CS227	VUPPALA SUJITH
44	U15CS228	YADIKI VEMANA BUJJI
45	U15CS229	Y. VENKATA RAMANA MURTHY
46	U15CS230	THARAN RAVI CHANDRU
47	U15CS232	NIKITA SHARMA
48	U15CS233	KARAN PRINCY.P
49	U15CS250	MUTHULAKSHMI.M
50	U15CS251	AISHWARYA
51	U15CS252	PAVANI M.J
52	U15CS253	JOEL PRAKASH.J
53	U15CS254	JAGATH RAJAH.R
54	U15CS701	PRAVEEN RAJ.V
55	U15CS702	GOWTHAMAN.S
56	U15CS703	FRANKLIN.S

C. Nalra
COURSE COORDINATOR

K. N. N.
HEAD OF THE DEPARTMENT

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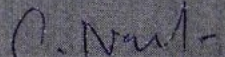
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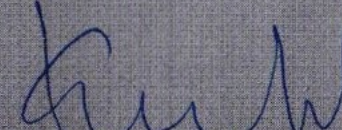
CERTIFICATE OF PARTICIPATION

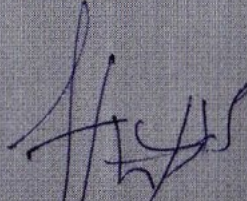
This certificate is presented to

AKHIL REDDY.G

For actively participating in the value added course "Jquery and Advanced Java Script"
Conducted by School of Computing, BIHER from 01.11.2021 to 21.11.2021.


COURSE COORDINATORS


HEAD OF THE DEPARTMENT


DIRECTOR

COURSE FEEDBACK FORM

Academic Year		2021-2022						
Term		ODD						
Course Number								
Course Title		Jquery and Advanced Java Script						
Number of Credits								
Type of Course	Regular		Elective		Add-on	✓		
I. Information on the Respondent: (Tick (✓) Appropriately)								
1. Percentage of classes attended								
0-20		20-40		40-60		60-80	✓	80-100
2. Number of hours per week spent on the course (Other than lecture hours)								
0-2		2-4		4-6	✓	6-8		8-10
3. Preparation for the course by the student:								
(i)	Have done part of this course earlier						No	
(ii)	Has adequate prior exposure to the prerequisites						No	
(iii)	Had to pickup relevant additional topics through concurrent study						Yes	
(iv)	Have no exposure to the background material						No	
4. The expectations for taking the course by the student are:								
(a)	Enhance by skill base in the area of specializations						Yes	
(b)	Get exposed to a relevant subject						Yes	
(c)	Curiosity						yes	
(d)	Better Employment Opportunity						yes	
(e)	Complete Course requirements						Yes	
(f)	To Improve CGPA						yes	
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)								
		A	B	C	D	E		
1.	Pace of the Teaching/lecture	✓						
2.	Comment of the Subject	✓						
3.	Clarity of expression	✓						
4.	Level of preparation		✓					
5.	Level of interaction	✓						
6.	Accessibility outside the class		✓					
7.	Others (please specify)							
A: Excellent		B: Very Good		C: Good	D: Satisfactory	E: Poor		


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Chennai-600 073. INDIA

COURSE FEEDBACK FORM

Academic Year		2021-2022							
Term		ODD							
Course Number									
Course Title		Jquery and Advanced Java Script							
Number of Credits									
Type of Course	Regular		Elective		Add-on				✓
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
	0-20		20-40		40-60		60-80	✓	80-100
2. Number of hours per week spent on the course (Other than lecture hours)									
	0-2		2-4		4-6	✓	6-8		8-10
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier							No	
(ii)	Has adequate prior exposure to the prerequisites							No	
(iii)	Had to pickup relevant additional topics through concurrent study							Yes	
(iv)	Have no exposure to the background material							No	
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations							Yes	
(b)	Get exposed to a relevant subject							Yes	
(c)	Curiosity							Yes	
(d)	Better Employment Opportunity							Yes	
(e)	Complete Course requirements							Yes	
(f)	To Improve CGPA							Yes	
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)									
		A		B		C		D	E
1.	Pace of the Teaching/lecture	✓							
2.	Comment of the Subject	✓							
3.	Clarity of expression	✓							
4.	Level of preparation			✓					
5.	Level of interaction	✓							
6.	Accessibility outside the class			✓					
7.	Others (please specify)								
A: Excellent		B: Very Good		C: Good		D: Satisfactory		E: Poor	


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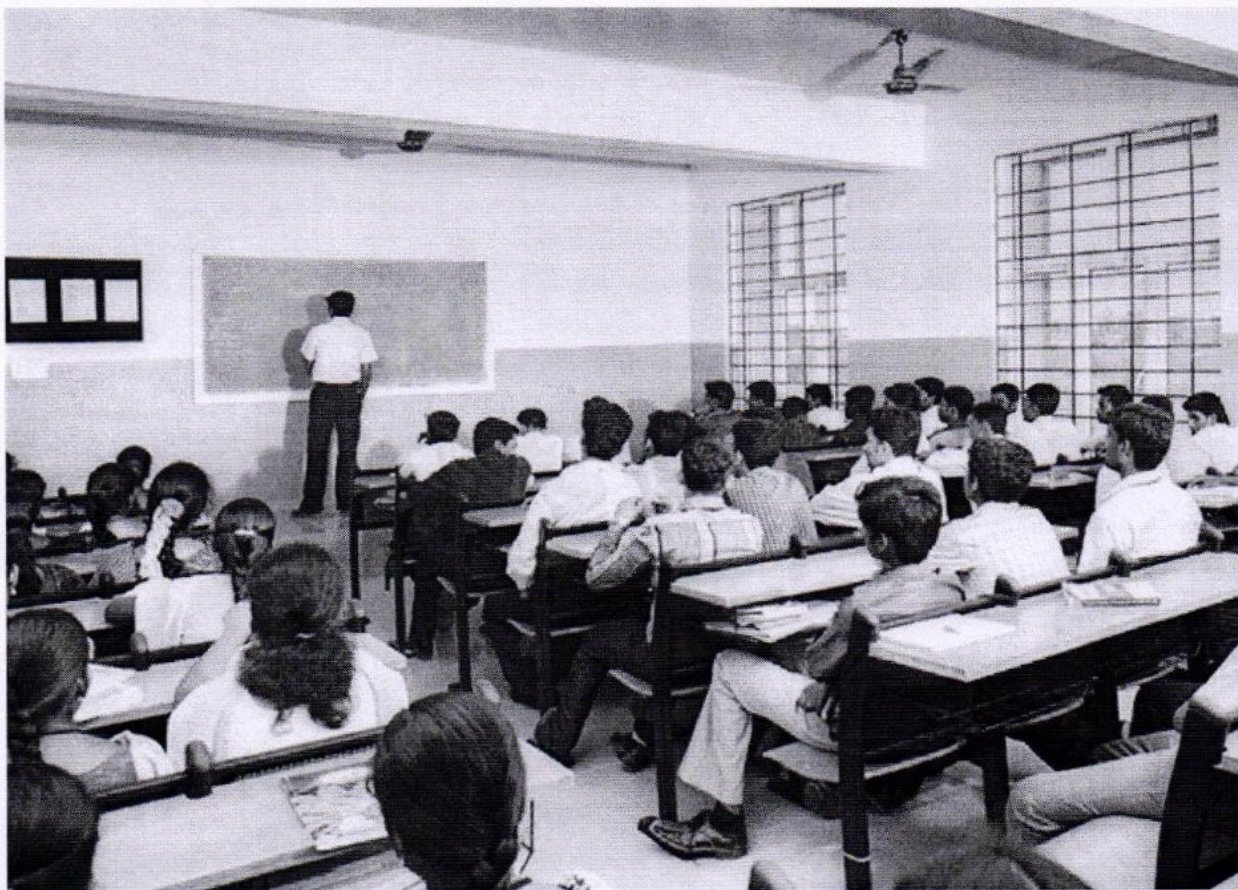


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CERTIFICATE COURSE ON JQUERY AND ADVANCED JAVA SCRIPT



C. S. A. I.

COURSE COORDINATOR

[Handwritten Signature]

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