



**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Re-accredited by NAAC with 'A' grade

**php**  
MySQL®



## **35 hours** **Value Added Course**

- ▶ Course will help in creating web application
- ▶ Understand the concepts in HTML, CSS
- ▶ Hands on realtime training

Faculty Co-ordinator Prof. Jeena 9895731362

# BUILDING NEXT GENERATION WEBSITES

## 1.INTRODUCTION

- List the uses of HTML
- Describe the structure of a HTML document
- Understand the working of CSS
- Describe the various JavaScript elements
- Create HTML documents
- Understand HTML element markup
- Describe working with sections, tables, forms, and input validation
- Explain CSS Selectors
- Use borders and backgrounds
- Create layouts and styles
- Implement transitions, animations and transforms
- Explain other CSS properties and features.

## 2.INFORMATION ON SESSION ALLOCATION

MODULE	THEORY	PRACTICAL	TOTAL
Building Next Gen Websites	10 hrs	22 hrs	32 hrs

## 3.SESSION COVERAGE:

SESSION NO.	TOPICS COVERED	HOURS
SESSION 1	Introduction of Webpages and HTML, Basics of HTML tags	2 hrs
SESSION 2	Table, List, image, audio and video Intro CSS, types ,selectors	2 hrs
SESSION 3	Lab Session 1 and 2	6 hrs
SESSION 4	Introduction to JavaScript, conditional and loop statements, Array, Functions and object	6 hrs



SESSION 5	Lab session 4	10 hrs
SESSION 6	Design a web page	6 hrs

#### **4.CLASSROOM AND LAB PRE-REQUISITES**

The requirements for conducting the sessions of the new curriculum have been described as follows:

##### **4.1.SOFTWARE REQUIREMENTS**

- Microsoft Windows 8.1 or higher
- Google Tools
- CoffeeCup HTML Editor

##### **4.2.RECOMMENDED HARDWARE**

- Intel Core i3 Processor or higher
- 4 GB RAM or above
- Colour SVGA
- 120 GB Hard Disk space
- Mouse
- Keyboard

##### **4.3.OTHER REQUIREMENTS (For Classroom)**

- Computer for giving demonstrations wherever applicable
- LCD projector

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# .NET SYLLABUS

## **1.INTRODUCTION**

Create Dotnet Core Web Api project and introduction

Explain about App Startup, Dependency Injection

Middleware, Host, Configuration, Environments

Logging, HTTP Context, Routing

Create CRUD with EF Core & "in memory" database

Create CRUD with EF Core & MySQL database

Create SPA with Angular/React and integrate with Dotnet Core.

C# Fundamentals

Command line arguments

Converting types, String manipulation, Delegates

Object Oriented Programming

Exception handling, Coding style, Introduction to LINQ

Introduction to Asynchronous programming, Introduction to Events.

Introduction to reflection and attributes, Interface Implementations

## **2.INFORMATION ON SESSION ALLOCATION**

<b>MODULE</b>	<b>THEORY</b>	<b>PRACTICAL</b>	<b>TOTAL</b>
.NET + C#	26 hrs	10 hrs	36 hrs

## **3.SESSION COVERAGE:**

<b>SESSION NO.</b>	<b>TOPICS COVERED</b>	<b>HOURS</b>
SESSION 1	Create Dotnet Core Web Api project and introduction	30 mins
SESSION 2	Explain about App Startup	30 mins
SESSION 3	Dependency Injection	30 mins



SESSION 4	Middleware, Host, Configuration, Environments Logging, HTTP Context, Routing	4 hrs
SESSION 5	Create CRUD with EF Core & “in memory” database, Create CRUD with EF Core & MySQL database.	5 hrs
SESSION 6	Create SPA with Angular/React and integrate with Dotnet Core	4 hrs
SESSION 7	<ul style="list-style-type: none"><li>• C# Fundamentals-Program Structure, Type System, Statements, Expression and Equality, Namespaces, Classes, Interfaces, Generics, Anonymous Types</li><li>• Command line arguments</li><li>• Converting types</li><li>• String manipulation</li><li>• Delegates</li></ul>	3 hrs
SESSION 8	<ul style="list-style-type: none"><li>• Object Oriented Programming – Classes, Structs, Records, Objects, Inheritance, Polymorphism</li><li>• Exception handling -Using Exceptions, Exception handling, Creating and throwing exceptions, Compiler generated exceptions</li><li>• Coding style - Identifier names, Coding conventions</li></ul>	6 hrs
SESSION 9	<ul style="list-style-type: none"><li>• Introduction to LINQ</li><li>• Introduction to Asynchronous programming</li><li>• Introduction to Events.</li><li>• Introduction to reflection and attributes.</li><li>• Interface Implementations</li></ul>	3 hrs

#### **4.CLASSROOM AND LAB PRE-REQUISITES**

The requirements for conducting the sessions of the new curriculum have been described as follows:

##### **4.1.SOFTWARE REQUIREMENTS**

- Microsoft Windows 8.1 or higher
- Google Tools
- Dotnet Core
- VSCode



#### **4.2.RECOMMENDED HARDWARE**

- Intel Core i3 Processor or higher
- 4 GB RAM or above
- Colour SVGA
- 120 GB Hard Disk space
- Mouse
- Keyboard

#### **4.3.OTHER REQUIREMENTS (For Classroom)**


- Computer for giving demonstrations wherever applicable
- LCD projector

\*~~~~~End of Document~~~~~\*

AUTOMATION GALLERY PVT. LMT.





 GPS Map Camera

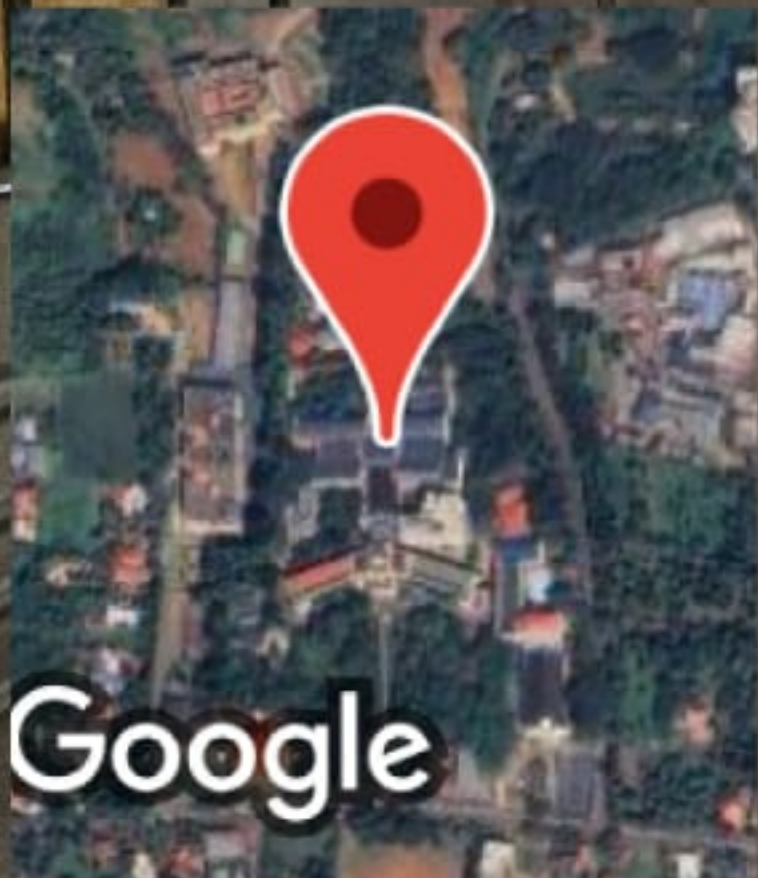
Irinjalakuda, Kerala, India

9647+995, Irinjalakuda, Kerala 680125, India

Lat 10.355991°

Long 76.21353°


19/08/23 02:16 PM GMT +05:30



Google





 GPS Map Camera

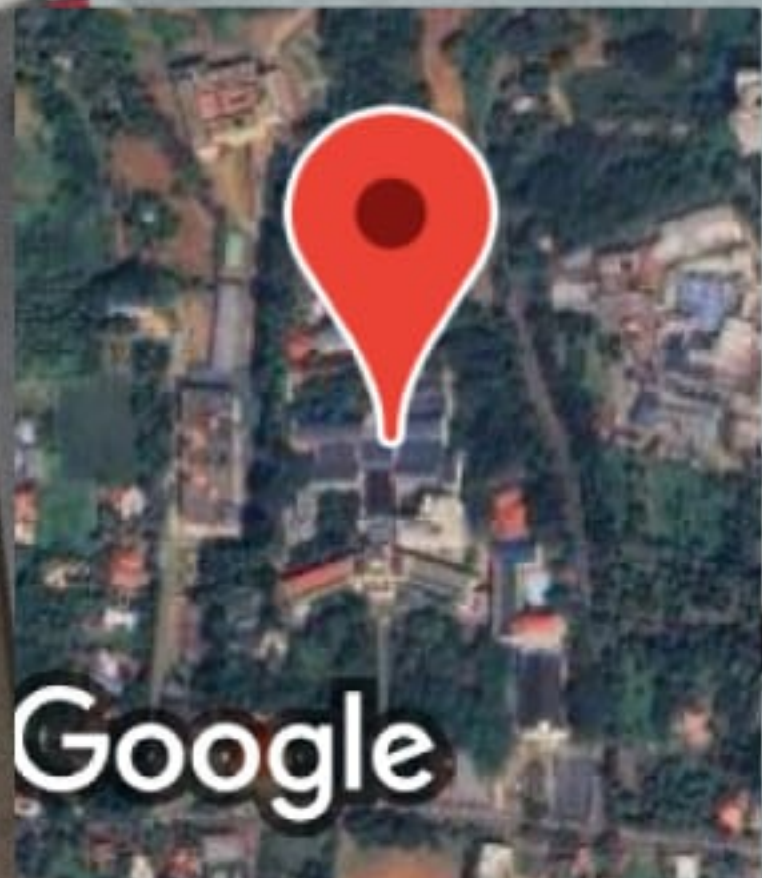
Irinjalakuda, Kerala, India

9647+995, Irinjalakuda, Kerala 680125, India

Lat 10.356004°

Long 76.213561°

19/08/23 02:14 PM GMT +05:30



Google



## **Report on Certificate Course in PHP with MySQL - CPCC68**

### **Introduction**

The certificate course on PHP with MySQL was successfully conducted in the month of August. The primary objective of the course was to equip students with practical skills in PHP programming and database management using MySQL. The course emphasized hands-on learning and real-world application development.

### **Course Details:**

- **Course Title:** PHP with MySQL
- **Duration:** 30 hours
- **Number of Students:** 28
- **Date:** August 19 to August 23 [2023]
- **Mode of Instruction:** offline
- **Trainer:** Jeena George

### **Course Objectives**

The course aimed to:

- Introduce the fundamentals of PHP programming.
- Teach database management and integration using MySQL.
- Enable students to develop dynamic and interactive web applications.
- Provide practical experience through mini-projects and assignments.

### **Course Outline**

The course was divided into modules covering essential concepts of PHP and MySQL

### **Student Participation and Performance:**

- Total Students Enrolled: 28
- Attendance Rate: 100%
- Completion Rate: 100%
- Final Assessment: Students were evaluated through assignments and a final project.
- Projects: Each student successfully built a functional PHP-MySQL application.

### **Key Outcomes:**

- Students gained proficiency in PHP programming and MySQL database management.
- Participants were able to create dynamic, interactive websites.

- 28 students received certificates of completion.
- Several students showcased their final projects as portfolio pieces.

**Prepared by:** Jeena George

**Date:** 17/12/2023



NAME	COURSE NAME	YEAR	MODE OF PAYMENT	SIGNATURE
Aadarsh T A	B.Voc. IT	FIRST	ONLINE	
Aamina Farha AS	BVoc IT	FIRST	ONLINE	
Aarathi C S	B.Voc IT	FIRST	ONLINE	
Abhiram Krishna m s	Bvoc IT	FIRST	ONLINE	
Abishekh.v.b	B voc IT	FIRST	ONLINE	
Adheesh A S	B voc IT	FIRST	ONLINE	
Adhy Krishna P S	B. Voc IT	FIRST	ONLINE	
Ajay saigal	Bvoq IT	FIRST	ONLINE	
Ajin.ks	Bvoc IT	FIRST	ONLINE	
AKSHAY KIRAN PA	Bvoc.IT	FIRST	ONLINE	
Amit krishna	B.Voc IT	FIRST	ONLINE	
Angel Rose C J	Bvoc IT	FIRST	ONLINE	
Annalis Antony	Bvoc IT	FIRST	ONLINE	
ARAVIND VARRIER	Bvoc IT	FIRST	ONLINE	
Asif th	B Vic it	FIRST	ONLINE	
Benito Babu	B.Voc IT	FIRST	ONLINE	
Christo Francis	B.Voc IT	FIRST	ONLINE	
Daniel Louis	B.Voc IT	FIRST	ONLINE	
Devanand Bijukumar	B.Voc IT	FIRST	ONLINE	
Emmanuel K J	BVOC IT	FIRST	ONLINE	
FATHIMATH ZEHRA CS	B.VocIT	FIRST	ONLINE	
Jacob jovell	Bvoc IT	FIRST	ONLINE	
Jeromin km	Bvoc IT	FIRST	ONLINE	
Joel Jose	B.voc IT	FIRST	ONLINE	
KA sunaina	Bvoc IT	FIRST	ONLINE	
Kajoul alekkat sudheer	Bvoc IT	FIRST	ONLINE	
Kovila T.R	B.VOC IT	FIRST	ONLINE	
Lush Lal	Bvoc IT	FIRST	ONLINE	
Mohamed Sabith VA	BvocIT	FIRST	ONLINE	
Mohammed Mishal PM	B.voc IT	FIRST	ONLINE	
Mohammed Sajid KR	Bvoc IT	FIRST	ONLINE	
Nevin Shaji	B.Voc IT	FIRST	ONLINE	
Nimar fadhy	Bvoc it	FIRST	ONLINE	
Revitha P R	Bvoc IT	FIRST	ONLINE	
Rhishan	Bvoc it	FIRST	ONLINE	

<b>NAME</b>	<b>COURSE NAME</b>	<b>YEAR</b>	<b>MODE OF PAYMENT</b>	<b>SIGNATURE</b>
Rohit p s	Bvoc it	FIRST	ONLINE	
Roshan joseph	BVOC IT	FIRST	ONLINE	
Sahil Subhash Nair	Bvoc IT	FIRST	ONLINE	
Shaun shaju	BVoc IT	FIRST	ONLINE	
Vivek A S	B.Voc IT	FIRST	ONLINE	
Abhiram T S	B.Voc IT	FIRST	ONLINE	
Mohammed Shefin	B.Voc IT	FIRST	ONLINE	
Milan K J	B.Voc IT	FIRST	ONLINE	
abel	b.voc IT	THIRD	ONLINE	
Abhishek am	b.voc IT	THIRD	ONLINE	
Achal pk	Bvoc it	THIRD	ONLINE	
Anenth Sankar Ps	BVOC IT	THIRD	ONLINE	
Anna Tomy Neyyan	B.voc IT	THIRD	ONLINE	
Aristo Akkarapatty	Bvoc it	THIRD	CASH	
Enosh Yaffat.P	B.voc it	THIRD	ONLINE	
FEDA	Bvoc IT	THIRD	ONLINE	
franklin sunil	bvoc it	THIRD	ONLINE	
Godwin v Sebastian	B. Voc IT	THIRD	CASH	
Jesvin	BVOC IT	THIRD	ONLINE	
Joel k jose	B.voc it	THIRD	ONLINE	
john vk	B VOC IT	THIRD	ONLINE	
Jusaina M.A	BVOC IT	THIRD	ONLINE	
Krishnaprabha C.S	Bvoc IT	THIRD	ONLINE	
Meenakshi pj	Bvoc IT	THIRD	ONLINE	
Nigel johnson	Bvoc IT	THIRD	ONLINE	
Sandra.p	BVOC.IT	THIRD	ONLINE	
Smrithi p vinoj	Bvoc IT	THIRD	ONLINE	
Theertha ps	Bvoc IT	THIRD	ONLINE	
Vishnu Manohar	B.voc IT	THIRD	ONLINE	



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**Prepared by:** Jeena George

**Date:** 17/12/2023



# PHP with MySQL

## Question Paper

### A. Simple Registration System:

1. Write a PHP script to create a user registration form with fields for name, email, password, and contact number.
2. How would you validate form inputs on the server side before inserting the data into a MySQL database?
3. Write SQL queries to check if an email already exists in the database during registration.
4. Explain how to hash and store passwords securely in a database.
5. Create a script to display all registered users in a table format using PHP and MySQL.

### B. Blog Management System:

1. Write a PHP script to create a form for submitting blog posts with a title, content, and author name.
2. Write the SQL query to store the blog post into a MySQL table.
3. How would you retrieve and display all blog posts dynamically on a webpage?
4. Write a script to implement blog post deletion based on an ID parameter.
5. Explain how to prevent SQL injection while managing blog posts.

### C. Complaint Management System:

1. Write a PHP script to create a complaint submission form with fields for user name, complaint title, and complaint description.
2. How would you design the MySQL table structure to store complaint records?
3. Write a PHP script to fetch and display all complaints along with their submission dates.
4. How would you allow users to update the status of a complaint (e.g., pending, resolved)?
5. Write a query to count the number of complaints categorized by their status (e.g., pending, resolved).

## HTML & PHP Syllabus

HTML introduction  
HTML head  
HTML Forms  
HTML input types  
HTML media queries(responsive web)

CSS Introduction  
CSS syntax  
CSS comments  
CSS colors,background,borders, margin,padding,height,width,..etc  
CSS Max-width, Min-width  
CSS float  
CSS Position  
CSS overflow  
CSS align  
CSS navigation bar

<---- 5 hours--->

PHP introduction  
PHP Syntax  
PHP install  
PHP comments  
PHP Variables  
PHP Echo/Print  
PHP Operators  
PHP if Else elseif  
PHP switch  
PHP loops  
PHP arrays  
PHP date and time  
PHP include  
PHP file upload  
PHP cookies and sessions

<----10 hours--->

MYSQL Database  
MYSQL connect  
MYSQL create DB  
MYSQL create Table  
MYSQL Insert data  
MYSQL Select data  
MYSQL update data  
MYSQL delete data  
MYSQL where  
MYSQL order by  
MYSQL Get last id

<----15 hours--->

## Attendance

	Name	19/8/23	21/8/23	22/8/23	23/8/23
1.	Aasif Seethy	✓	✓	✓	✓
2.	Abhinav Lekshman	✓	✓	✓	✓
3.	Abhishek C A	✓	✓	✓	✓
4.	Alwin Sebastian	✓	✓	✓	✓
5.	Alwin P P	✓	✓	✓	✓
6.	Amal Joseph Tomy	✓	✓	✓	✓
7.	Angelina Agnal	✓	✓	✓	✓
<del>8.</del>	<del>Anjal A K</del>				
9	Anurag P A	✓	✓	✓	✓
10	Ardhra K S	✓	✓	✓	✓
11	Ashik Sibibu	✓	✓	✓	✓
12	Aswin C S	✓	✓	✓	✓
13	Catherine Darly Varghese	✓	✓	✓	✓
14	Gautham Krishna M.S	✓	✓	✓	✓
15	Godwin V S	✓	✓	✓	✓
16	Hanna K L	✓	✓	✓	✓
17	Hendry K Francis	✓	✓	✓	✓
18	Leen Masiya	✓	✓	✓	✓
19	Lenus Varghese Vadakan	✓	✓	✓	✓
20	Maya T B	✓	✓	✓	✓
21	Milal Roy	✓	✓	✓	✓
22	Mohamed Maheel	✓	✓	✓	✓
<del>23</del>	<del>Mohamed Siban</del>				
24	Nafeeb Rahman	✓	✓	✓	✓
25	Naveen K. R	✓	✓	✓	✓
26	Rebit K M P	✓	✓	✓	✓
27	Sarathy	✓	✓	✓	✓
28	Vishnu Madhavan V N	✓	✓	✓	✓
29	Vivek M.S	✓	✓	✓	✓
30	Anandha Krishnam	✓	✓	✓	✓





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IRINJALAKUDA, KERALA

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www.christcollegeijk.edu.in



**DEPARTMENT OF VOCATIONAL STUDIES (IT)  
CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA**

## *Certificate of Appreciation*

This is to certify that Vishnu of IIIrd year BVoc Information Technology has completed a certificate course in **PHP WITH MYSQL** conducted by department of vocational studies with A grade in the academic year 2023-24.

**MS. JEENA GEORGE**  
Program Coordinator



**Rev. Dr. JOLLY ANDREWS CMI**  
Principal

