

Guru Jambheshwar University of Science & Technology
Hisar – Haryana

offers short term training program

on

PHP/HTML/MySQL

The course starts from 19 June, 2017

Eligibility:

Students of Engineering/Diploma/Graduation/Post
Graduation in Computer stream

Visit our website www.gjust.ac.in for course details

Contact:

University Computer & Informatics Center,
GJUS&T Hisar

Ph. No, 01662-263641, 263648

**UNIVERSITY COMPUTER & INFORMATICS CENTRE
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE &
TECHNOLOGY, HISAR**

Introduction:

University Computer & Informatics Centre (UCIC) is a central facility to meet the computing requirements of all the students, research scholars, staff and faculty of the University. At present it has more than 140 computers including latest configuration server and peripherals.

Objective of the program:

- Technical skill development of students in development of projects.
- This helps in placement of students in Software Company.
- To impart training at an affordable cost.
- Revenue generation for University.

Seats: 30

Eligibility:

- Students of Engineering/Diploma/Graduation/Post Graduation in Computer stream

- Preference will be given to University Students on first-cum-first-serve basis.
- If some seats remain vacant then these will be offered to the students of other institutes.

Duration of Course:

- Two Months (Working Days) from the starting date of course.

Timings: 3 – 5 PM (2 Hours)

Days off: Weekend (Saturday and Sunday) and Holidays

Course Coordinator:

- Mukesh Arora (Head, UCIC)

Teachers:

- Sh. Ram Vikas, Programmer, UCIC, GJUS&T Hisar
- Sh. Naveen Kumar, Junior Programmer, UCIC, GJUS&T Hisar

Fee Structure

- Total fee in lumpsum will be taken in advance for total course
- Fee for complete course – Rs. 4000/-

Detailed syllabus

What Student will Achieve During This Course

This course will enable you to build real-world, dynamic web sites. Using PHP language and database MySQL allows you to make our sites dynamic. Using this course student will be able to learn like:

- User authentication and personalization
- CRUD operations.
- Accessing command line arguments from PHP scripts
- Generating web pages dynamically using PHP
- Retrieving Web Pages manipulating from data
- Personalizing Web site content using Session and Cookies
- Tracking user navigation on your Web site
- Regular Expression with PHP to Make strong validation
- Exception Handling
- Integrating database content to generate dynamic Web pages
- PDF document generation, etc...

Hyper Text Markup Language (HTML)

- Introduction to HTML
- Structure of HTML
- Attributes & Values
- Comments, Header Tags
- Image Tag
- Link Tags (Text & Image)
- Marquee Tag
- List Tag (Ordered & Unordered)
- Table Tag
- Form Tags
- Audio, Video Tags
- About Iframe
- Embedding of Google Maps

JavaScript (JS)

- Introduction to JavaScript
- Variable , Operators , Conditions
- Looping and Array
- Introduction to functions
- Popup Boxes (Alert ,Confirm ,Prompt)
- Form Handling
- DOM Manipulation
- Pre- defined functions
- Client Side Validation (Regular Expression)

Style Sheet (CSS)

- Types of style sheet
- About CSS Selectors
- About CSS Properties
- Background Properties
- Box Properties
- Border Properties
- Positioning Properties
- CSS Menu Design
- Creating a Web Layout using Divs, CSS

Introduction to PHP

- Web Architecture
- Overview of PHP Platform
- Origins of PHP in the open source community
- Why we use PHP?
- Some of PHP's strengths:
- Some of PHP's main competitors are PERL, Microsoft ASP.NET, JavaServer Page
- Availability across multiple platforms
- Installing as a module for Apache Web Server

PHP language building blocks

- Comparing PHP with other Web scripting languages or technology
- Installation of PHP
- PHP delimiters
- Variable initialization with PHP
- PHP Data types
- PHP Constants
- PHP Operators

Conditional Statements

- If else
- If else if else
- Nested If
- Switch Case
- Jump Statements (Break , Continue , Exit)

Looping (Iteration)

- For loop
- While loop
- Do while loop
- Nested Loop

Introducing ARRAY

- How to use an important programming construct: arrays
- Numerically Indexed arrays
- Non-Numerically Indexed arrays (Associative Array)

- Multidimensional arrays
- Array sorting

Manipulation user input

- Presenting the user with input options via different HTML form elements
- Retrieving form data with \$_POST, \$_GET and \$_REQUEST arrays
- Preserving Data in Form inputs

Reusing Code and Functions

- Introducing Functions
- Defining functions
- Using parameters
- Understanding scope
- Returning values
- Call By Value & Call By reference
- Using Require() and include()
- Array , String , Math , Date functions

File Uploading & Downloading

- File uploading Concepts
- Multiple File Upload
- Downloading file from server using header.

String Manipulation and Regular Expression

- Formatting , Joining ,splitting , comparing strings
- Introducing Regular Expression

State Management

- Session, Cookie , Query String
- Understanding Basic Session Functionality
- Starting a Session
- Registering Session variables
- Using Session Variables
- Destroying the variables and Session
- What is a Cookie?
- Setting Cookies with PHP
- Using Cookies with Sessions
- Deleting Cookies
- Implementing Query String
- Hidden Fields

MySQL Database

- Introduction to DBMS and Mysql
- Web Database Design & Architecture.
- Creating a MySQL Database
- Creating Database Tables
- Column Data Types
- Implementing Insert/Delete/Update and select Query

- Aggregate Functions
- Having and Group By Clause
- Joining Table
- Implementing Keys & Constraint.
- Dropping Tables and Databases

Database Connection

- Mysql database connectivity

Advance PHP Techniques

- PDF Generation
- Excel or CSV Generation
- Implementing Pagination
- Exception Handling

Live Project

- Designing & Developing a real time web project using PHP, Mysql and Apache Server.
- Web Hosting
- Manage Domain with name server
- Manage Web Hosting from FTP