

**“Certificate Course in Php and MySQL”****Objective**

This module is designed for candidates having good knowledge of web designing. The main objective of the course is to learn technique of web application development using Php and MySQL. During the course candidate will learn step by step web application development technique using Php. They will also learn about detail of data base design using MySQL, a basics of MySQL administration and detail object oriented techniques for Php MySQL interaction. After completion of this course a candidate will be able to develop a based application.

**Target Audience** B.E./B.Tech./MCA/BCA/NIELIT A Level Completed or Ongoing

**Duration** 80 Hours

**Timing:** Starting Date- 15-05-2018

**Prerequisite** Basic knowledge of Web Designing

**Outcome**

1. Web Based Application Development
2. MySQL Database Administration
3. Small Project Development Skill

**Syllabus**

Sr. No.	Topics	Duration in Hours		
		Theor y	Lab	Tota l
01	RDBMS concept, relational database model, normalization, introduction of MySQL.	01	04	05
02	MySQL Queries Create tables, fields Alter table Insert, Update and where condition Delete, Select Limits, Distinct Joins, Order by Group by, Union Import and Export Database.	03	02	05
03	Store procedure and MySQL Functions.	02	02	04
04	Roles and responsibilities of database administrator.	02	01	03
05	MySQL Overview and Architecture, MySQL memory structures, MySQL background processes.	01	-	01
06	Creating Users, changing password, Granting and revoking privileges.	01	02	03
07	Backup and Recovery Taking user backup, Backup requirement, Physical and logical backup, Cold and hot backup, Enabling and disabling binary	04	02	06

	logging, Understanding the binary log architecture, Different backup techniques in MySQL (MySQL dump, Full back up, Transactional backup, Percona Xtrabackup), Restoring mysql backup, Purging old logs, MySQL Binlog utility and PITR.			
08	Control and Redo Log Files Managing the control files, Maintaining and monitoring redo log files. Trouble shooting and Performance Tuning/Optimization for large dB's, General Problems and their resolution, Connection problems, and understanding the error log, Performance tuning – Index suggestions, Optimizing the MySQL database.	03	02	05
09	Programming Concepts, Architecture of web application, Introduction of Php	02	02	04
10	Php Data Types and basics, Loops, String and other functions in PHP, Super global, Arrays in PHP with Attributes, PHP Functions, PHP Email Function etc.	05	05	10
11	Object Oriented Concepts Classes, use of include function etc. Defining a class and its usage.	07	08	15
11	Php Forms and frames, creating user forms.	02	03	05
12	File handling in Php, uploading files and images, using file system in Php.	03	03	06
13	Object Oriented approach of database connectivity, using MySQL functions in Php. PhP-MySQL interaction.	02	04	06
14	Server side validations, Session and cookies, using security features etc.	01	03	04
15	Project development	01	09	10
<b>Total</b>		40	40	80

**Course fee:** Rs. 9,440/-(Nine Thousand Four hundred forty only)

- Registration fee is non-refundable
- Full tuition fee is waived for limited no. of SC/ST candidates

**Course in-charge:** Sanjeev Kumar Jha, Scientist 'C'

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Phone: 044-24421445

❖ For special/weekend batches, contact course in-charge

**How to apply:**

- ❖ Registration needs to be done at our Centre before starting the course. To get the admission, fill the Registration form and bringing the following:
1. Duly filled in registration form
  2. Course fees - in the form of DD or Online Transaction (Please see the Mode of payment details)
  3. Self-attested copy Minimum Qualification certificate
  4. Self-attested copy of identity proof
  5. Self-attested copy of community certificate (if availing SC/ST fee concession)

**Mode of payment:**

- ❖ Course fee may be paid by any one of the following modes:

1. DD drawn from a nationalized bank (preferably SBI) in favor of “NIELIT Chennai” payable at Chennai.
2. Online transaction: Account No: 31185720641 Branch: Kottur (Chennai), IFS Code: SBIN0001669.
3. Pay through nationalized bank Debit card (Service charges applicable)