Syllabus of PHP

- **Introduction to PHP**
  Evaluation of PHP
  Basic Syntax
  Defining variable and constant
  PHP Data type
  Operator and Expression

- **Handling Html Form With PHP**
  Capturing Form Data
  Dealing with Multi-value filed
  Generating File uploaded form
  Redirecting a form after submission

- **Decisions and loop**
  Making Decisions
  Doing Repetitive task with looping
  Mixing Decisions and looping with Html

- **Function**
  What is a function
  Define a function
  Call by value and Call by reference
  Recursive function

- **String**
  Creating and accessing String
  Searching & Replacing String
  Formatting String
  String Related Library function

- Array
  - Anatomy of an Array
  - Creating index based and Associative array
  - Accessing array Element
  - Looping with Index based array
  - Looping with associative array using each() and foreach()
  - Some useful Library function

- Working with file and Directories
  - Understanding file & directory
  - Opening and closing a file
  - Coping ,renaming and deleting a file
  - Working with directories
  - Building a text editor
  - File Uploading & Downloading

- Mini Project (With file Handling)
- State management
  - Using query string(URL rewriting)
  - Using Hidden field
  - Using cookies
  - Using session

- String matching with regular expression
  - What is regular expression
  - Pattern matching in PHP
  - Replacing text
  - Splitting a string with a Regular Expression

- Generating Images with PHP
  - Basics of computer Graphics
  - Creating Image
  - Manipulating Image
  - Using text in Image

- Database Connectivity with MySql
  Introduction to RDBMS
  Connection with MySql Database
  Performing basic database operation(DML)
  (Insert, Delete, Update, Select)
  Setting query parameter
  Executing query
  Join (Cross joins, Inner joins, Outer Joins, Self joins.)

- Mini Project
- Introduction to OOPS
  Introduction
  Objects
  Declaring a class
  The new keyword and constructor
   Destructor
  Access method and properties using $this variable
  Public ,private, protected properties and methods
  Static properties and method
  Class constant
  Inheritance & code reusability
  Polymorphism
  Parent:: & self:: keyword
  Instanceof operator
  Abstract method and class
  Interface
  Final

- Exception Handling
  Understanding Exception and error
  Try, catch, throw