

Facebook Bots

Basic Scripting and Looping Constructs

- PHP Scripting Fundamentals
- Print Statement
- Code Blocks
- Code Blocks
- Primitive Data Types
- Defining Constants and Variables
- Looping Constructs
 - while
 - do... while
 - for
 - exit and break

Conditional Constructs

True and False Expressions

- if, else and elseif
- switch/case Statement
- The ? (Ternary) Operator
- Timestamps

Modularity through Include Files

- Using Include Files
- The Require Statement
- Modularizing Code with Functions
- Defining and Using Basic Functions

PHP Operators

- Logical Operators
- Relational Operators
- Bitwise Operators

Other Operators

- PHP7 Null Coalescing operator
- PHP7 Spaceship Operator

PHP Functions

- Introduction to Functions
- Declaring Functions
- Scope
- Passing Arguments to Functions

- Local and Global Scope
- Passing Arguments to Functions by Value and Reference
- Variable Scoping and Return Values
- Coercive and Strict Type Declarations for Parameters and Return Values

Arrays in PHP

- What are Arrays?
- Usage of Arrays in PHP
- Array Indexing
- Initializing Arrays
- Operating on Arrays
- Sorting Arrays
- One-Dimensional Arrays
- Multi-Dimensional Arrays
- Associative Arrays

Basic OOP in PHP

- Defining Object Oriented Programming
- Creating New Objects in PHP
- PHP Object Syntax
- Using Predefined PHP OOP Libraries

Configuring and Using MySQL

- MySQL as a Client/Server Solution
- Introduction to MySQL Capabilities as a Powerful RDBMS
- Installing and Configuring MySQL
- Connecting to MySQL
- PHP Functions Specific to MySQL
- Executing SQL Calls
 - SELECT
 - INSERT
 - FETCH
 - UPDATE
 - DELETE
- Using PHP MyAdmin to Configure MySQL

Overview about Simple Html Dom Parser

- Introduction to Parsing
- Different parsing methodologies
- Parsing with tags, attributes, inner text and outer text
- Introduction to Google Alerts
- Generating RSS feeds from google alerts
- Parsing Google Alerts RSS feeds
- Making PHP based API's

- Testing API's
- Adding authentication to API's

Introduction to Facebook API's

- Facebook page creation
- Facebook page ID Generation
- Facebook page access token generation
- Facebook page post API

- Connecting PHP API's with Facebook page post API
- Completing facebook autopost bot
- Hosting Autopost Bot to server
- Introduction to cron job
- Applying cron job to autopost bot
- Configuring MySql Database for autopost bot
- Implementing spam filter for autopost bot
- Implementing duplicate filter for autopost bot

ChatBot with Facebook (siri,cortona)

- Introduction to facebook's send & receive API
- Facebook Access token generation
- PHP Code to receive Facebook messages
- PHP code to send message back to Facebook
- Introduction to Artificial Intelligence
- Introduction to Machine Learning
- Linking bot with API.AI
- Adding custom replies with bots
- Making Resume Bot for Facebook page

Note:

- These are just major aspects that we will be discussing, each point will be elaborated with demonstration of tools and techniques.
- Course objective is to make 2 bots. (AutoPost Bot & Chat Bot)