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| **Month 1 : Novice Level PHP** | |
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| **Week 1 : Introduction to PHP Basics** | |
| Day 1 | Introduction to PHP, setting up PHP environment |
| Day 2 | Variables, data types, and operators in PHP |
| Day 3 | Control structures (if, else, switch) and loops (for, while) in PHP |
| Project | Create a simple PHP calculator or form validation script |
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| **Week 2 : Functions and Arrays in PHP** | |
| Day 4 | Functions in PHP, passing arguments, return values |
| Day 5 | Arrays in PHP, indexed arrays, associative arrays |
| Day 6 | Array functions, manipulating arrays in PHP |
| Project | Develop a guestbook application using PHP functions and arrays |
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| **Week 3 : File Handling and Forms in PHP** | |
| Day 7 | File handling in PHP, reading from and writing to files |
| Day 8 | Working with HTML forms in PHP, handling form submissions |
| Day 9 | File upload and management |
| Project | Build a file upload and management system with PHP |
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| **Week 4 : Introduction to MySQL and Database Integration** | |
| Day 10 | Basics of MySQL database, connecting PHP with MySQL |
| Day 11 | CRUD operations (Create, Read, Update, Delete) in PHP and MySQL |
| Day 12 | MySQL queries, integrating PHP with MySQL databases |
| Project | Develop a simple PHP and MySQL-based blog or content management system |
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| **Month 2: Mid-Level** | |
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| **Week 5 : Advanced PHP Concepts** | |
| Day 13 | Object-Oriented Programming (OOP) basics in PHP, classes, objects |
| Day 14 | Inheritance, Abstraction |
| Day 15 | Encapsulation, Polymorphism |
| Project | Implement OOP principles in a project (e.g., a user authentication system) |
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| **Week 6 : Error Handling, Security** | |
| Day 16 | Error handling and exceptions in PHP, debugging techniques |
| Day 17 | Basic security practices in PHP, sanitizing user inputs |
| Day 18 | Form validation in PHP, validating user inputs |
| Project | Enhance the blog or CMS with error handling, security measures, and user sessions |
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| **Week 7 : Form Validation and Authentication** | |
| Day 19 | User authentication and authorization in PHP, password hashing |
| Day 20 | Sessions |
| Day 21 | Cookies |
| Project | Add form validation and user authentication features to the application |
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| **Week 8 : Login and API Handling** | |
| Day 22 | Implement login systems, user authentication features |
| Day 23 | Working with external APIs in PHP (e.g., RESTful APIs) |
| Day 24 | Integrate third-party APIs in PHP, consume external data |
| Project | Develop a simple RESTful API with PHP and deploy the application |

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| **Month 3 : Add-ons** | |
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| **Week 9 : Best Practices, Data formats, and Project Development,** | |
| Day 25 | Working with JSON and XML data formats |
| Day 26 | Security best practices |
| Day 27 | Deploying PHP applications to a web server, server configurations |
| Project | Create a project integrating APIs and file handling functionalities |
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| **Week 10 : Additional Topics** | |
| Day 28 | Advanced file handling in PHP (file permissions, file manipulation) |
| Day 29 | Working with date and time functions in PHP |
| Day 30 | Introduction to PHP frameworks (brief overview) |
| Project | Explore a PHP framework or library and implement a feature in your application |