**TRAINING PLAN**

**GROUP DUNGNT**

**BY HOANGVD01349**

# DAY 1: Foundations Training

1. ***Introduction to programming***
2. *Language and the Logic of Programming*
3. *Types of programming languages & vocabulary*
4. *What is PHP*
5. *Why use PHP*
6. ***PHP language basics***
7. *Syntax*
8. *Quotes*
9. *Comments*
10. *Special Characters*
11. *Data Types*
12. *Precedence*
13. *Symbols*
14. ***PHP VARIABLE BASICS***
15. *Variables*
16. *Constants*
17. *Arrays*
18. ***PHP CONTROL FLOW BASICS***
19. *Operators*
20. *Conditionals*
21. ***PHP FUNCTION BASICS***
22. *Functions*
23. *Function Design Tools*
24. *File Systems (Handling)*

# DAY 2: Foundations Training(continue)

1. ***FILE SYSTEM BASICS***
2. *Constants*
3. *Commonly Used File Functions*
4. *File System Performance*
5. ***PHP WEB CONCEPTS***
6. *Client/Server Communications*
7. *How to embed PHP into HTML*
8. *How to embed HTML into PHP*
9. *Cookies*
10. *Sessions*
11. *$\_GET and $\_POST*
12. ***DATABASE BASICS***
13. *Introduction to Relationship Databases*
14. *Keywords & Statements in SQL*
15. *Using PHP Functions to work with the MySQL data engine*
16. ***DEVELOPING PHP APPS BASICS***
17. *Defining a solution without writing code*
18. *Organizing a concept solution*
19. *Creating a program skeleton*
20. *Defining error checking requirements*
21. *Short discussion on application security*
22. ***CHALLENGE PROJECT***
23. *Use your new knowledge to work on a final class project*

# DAY 3: Higher structures

1. ***PHP SYNTAX REVIEW***
2. *Quotes*
3. *Comments*
4. *Special Characters*
5. *Data Types*
6. *Precedence and Definitions*
7. *Arrays*
8. *Operators*
9. *Conditionals and Loops*
10. *Functions*
11. ***PHP LANGUAGE CONCEPTS***
12. *Including Files*
13. *Globals*
14. *References*
15. *File System Basics*
16. ***CONFIGURING PHP***
17. *Setting Up a Development Environment*
18. *PHP.INI Settings*

# DAY 4: Higher structures(continue)

1. ***REGULAR EXPRESSIONS***
2. *Characters and Symbols*
3. *RegEx Functions*
4. *Pattern Modifiers*
5. ***PHP WEB CONCEPTS***
6. *Server Communication*
7. *HTTP Headers*
8. *Output Buffering*
9. *Browser Caching*
10. *Cookies*
11. *Sessions*
12. *Email*
13. *Forms*
14. ***PHP OBJECT-ORIENTED PROGRAMMING***
15. *Classes*
16. *Static Context*
17. *Visibility (PPP)*
18. *Overriding Functions*
19. *Interfaces*
20. *Cloning*
21. *Namespaces*

# DAY 5: Higher structures

1. ***PHP DATABASE BASICS***
2. *Relational Databases*
3. *SQL and MySQL*
4. *Connecting PHP and MySQL*
5. *PDO*
6. *Stored Procedures*
7. *Transactions*
8. ***CRITICAL ASPECTS OF BUILDING PHP APPLICATIONS***
9. *Testing and Debugging*
10. *Troubleshooting Procedures: Development*
11. *phpDocumentor, phpDoc*
12. *Exceptions*
13. *Web Services*
14. *Performance Enhancements*
15. *Security and Validation*