



Best Software Training and Placement Institute

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Full Stack Python

Modules	
▪ HTML	▪ React JS
▪ CSS	▪ Python
▪ Bootstrap	▪ Django
▪ JavaScript	▪ Postgresql Database Integration
▪ TypeScript	▪ Project Assignments

Course Highlights:

- ❖ Html
- ❖ CSS
- ❖ Bootstrap
- ❖ Javascript
- ❖ Typescript
- ❖ ReactJS
- ❖ Python
- ❖ Django
- ❖ Postgresql Database Integration
- ❖ Project assignments

Learning Path: Frontend

HTML:

- Daily / Topic wise task
- Project assignment after completion of subject

CSS

- Daily / Topic wise task
- Project assignment after completion of subject

BOOTSTRAP

- Daily / Topic wise task
- Project assignment after

completion of subject

JAVASCRIPT

- Daily / Topic wise task
- Project assignment after completion of subject

TYPESCRIPT

- Daily / Topic wise task

REACTJS

- Daily / Topic wise task
- Project assignment after completion of subject

Learning Path: Backend

PYTHON

- Daily / Topic wise task
- Project assignment after completion of subject

DJANGO+POSTGRESQL DATABASE

INTEGRATION +

DJANGO+SQLLITE DATABASE

INTEGRATION

- Daily / Topic wise task
- Project assignment after completion of subject

Detailed syllabus:

HTML

1. Introduction To Website Designing
2. What is web
3. Static webpage vs dynamic page
4. Front end vs backend
5. Types of Files
6. What is HTML
7. History of HTML
8. Element
9. Tags
10. Attribute
11. Structure of HTML
12. Headings
13. Paragraph
14. Image
15. Break Tag
16. Line Tag
17. Property and value
18. Hyperlink
19. Table
20. list
21. order list
22. un-order list
23. definition list
24. pre vs paragraph tag
25. Form
26. Form Validation
27. Audio
28. Video
29. Marquee
30. Text (Bold, Italic, Underline etc.)
31. Background color
32. Iframe
33. Project assignment

CSS

1. Introduction to CSS
2. Types of CSS
3. Inline CSS
4. Internal CSS

5. External CSS
6. Selector
7. Types of Selectors
8. Class
9. Id
10. Group
11. Hover effect
12. text
13. Margin
14. Padding
15. Float
16. Border
17. Border radius
18. circle
19. Transform
20. Transition
21. Position
22. Overflow
23. Gradient
24. Background Image
25. Animation
26. Responsive
27. Media Query
28. Box shadow
29. Text shadow
30. Project assignment

BOOTSTRAP

1. Introduction to Bootstrap
2. Grid Model
3. Grid Layout
4. Responsive Webpage
5. Gutter
6. Bootstrap classes
7. Bootstrap Structure
(Container , Rows and column)
8. CDN vs NPM vs CSS & JS File
9. Creating webpage using Bootstrap Grid model
10. Text
11. Image
12. menu

13. Dropdown
14. Carousel
15. Cards
16. Collapse
17. Modal
18. Alert
19. Table
20. Form
21. ID
22. Bootstrap Components
23. Project -1 assignment
24. Project -2 assignment
25. Project -3 assignment

JavaScript

1. Introduction to JavaScript
2. Data vs Information
3. Tokens
4. Datatype
5. Keywords
6. Identifier
7. Variable
8. Constant
9. Script Tag
10. JavaScript structure
11. Document. Write
12. Prompt
13. Alert
14. Confirm
15. Operators
16. Arithmetic operator
17. Assignment operator
18. Comparison operator
19. Logical operator
20. Date
21. Time
22. Control Flow Statement
23. Conditional statement
24. Loop
25. Function
26. Parameter and Arguments
27. Events
28. On click
29. On Mouse over

30. On Mouse out
31. On submit
32. On select
33. On change
34. On blur
35. On focus
36. On load
37. On key up and on key down
38. Hyperlink
39. Eval
40. Project assignment

Typescript

1. Introduction To Typescript
2. How typescript work?
3. Benefits of TS
4. Top features of TS
5. Typescript development over JavaScript
6. History of TS
7. Installation and setting environment
8. How to build your 1st TS file
9. Compiling TS file into JS
10. Datatypes
11. Let
12. Var
13. Const
14. Any
15. Unknown
16. Type inference
17. Type alias
18. Advance data type or collections
19. Object
20. Array
21. Built-in array function
22. Tuple
23. Enum
24. Union
25. Literal
26. Null
27. Undefined
28. Operators
29. Arithmetic operators
30. Assignment operators
31. Comparison operators



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32. logical operators
33. ternary operators
34. type of operators
35. control flow statement
36. conditional statement
37. switch statement
38. iterative statement
39. for
40. while
41. do-while
42. un-conditional or transfer statement
43. break
44. continue
45. return
46. Function
47. Arrow function
48. Module
49. interface
50. Object oriented programming
51. Class
52. Object
53. Method
54. Constructor
55. inheritance
56. Method overriding
57. Modifier
58. Public
59. Private
60. Protected
61. Read-only

12. Importing new file
13. Npm vs yarn package manager
14. File and folder structure
15. Package.json file
16. Package-lock.json file
17. What is babel
18. React package installation
19. Components in reactjs
20. Function component
21. Class component
22. Jsx
23. Click event
24. State components
25. Props
26. Get input box data
27. Hide
28. Show
29. Toggle
30. Form handling
31. Conditional rendering
32. Life cycle method
33. Constructor Life cycle method
34. Render Life cycle method
35. Component Life cycle method
36. Hooks
37. Styles in react
38. Bootstrap in react
39. Re-using component
40. Router
41. React API
42. Redux
43. Project assignment



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React JS

1. Introduction To React JS
2. History of React
3. Features of React
4. Installation
5. Setting environment
6. Creating project
7. App.js File
8. Displaying our own content
9. Index.js file
10. Creating our new file
11. Loading new file

Python programming Language

1. Introduction To programming
2. What is Python Language?
3. Important of Python language
4. Structure of Python language
5. Data type
6. Variable
7. Tokens
8. Keywords
9. Identifier
10. Literals

11. Operators
12. Arithmetic operators
13. Assignment operators
14. Comparison operators
15. logical operators
16. bitwise operators
17. identity operators
18. membership operators
19. Comment
20. casting
21. string
22. Mutable vs Immutable
23. List
24. Tuple
25. Set
26. Frozen set
27. Dictionary
28. Conversion
29. Control flow statement
30. Conditional statement
31. iterative statement
32. counter control loop
33. event control loop
34. for
35. while
36. Transfer statement
37. Pass
38. Continue
39. Break
40. Return

ADVANCE

41. Function
42. Recursive function
43. Iterative function
44. Lambda Function
45. Exceptional Handling
46. Module & Packages
47. Built-in modules
48. User define modules
49. Comprehension
50. Any function
51. Iterator
52. generator
53. Map
54. Filter
55. Reduce
56. Threading

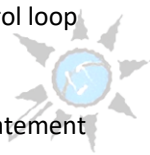
57. Multi-threading
58. Lock ()
59. Release()
60. Acquire ()

OOPS

61. Object oriented programming
62. Class
63. Object
64. Method
65. Static Variable
66. non-static Variable
67. Constructor
68. Encapsulation
69. Inheritance
70. Polymorphism
71. abstract Additional Data science Library:
72. NumPy
73. Pandas
74. Matplot
75. Project – 1 assignment

Django Framework with PostgreSQL Database

1. Introduction to Django
2. Feature of Django
3. Django web server
4. MVT architecture
5. ORM
6. Building Django Project
7. Understanding Django environment
8. Sample Hello world application
9. Starting a Project
10. Http response
11. Activating first APP
12. Django template language
13. Creating HTML file
14. Render HTML file
15. View that display hyperlink
16. Mapping urls file
17. Setting.py file
18. Views.py
19. Urls.py
20. Running our first app
21. Passing value using python variable



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22. Views using Template
23. Django template language (DTL)
24. Extends
25. Static content
26. Dynamic content
27. Passing images
28. If else
29. Loop
30. Model , class and object
31. Models.py
32. ORM
33. Integrating PostgreSQL Database
34. Creating Model
35. Fields in Models
36. Converting Model to Table
37. Creating super user
38. Creating admin panel
39. Adding data using admin
40. Displaying data through database

41. Card view using bootstrap
42. CRUD operations
(Create, Read, Update, Delete)
43. Creating signup page
44. User authentication
45. messages
46. Login page
47. Logout Page
48. Project – 1 assignment
49. Project - 2 assignment
50. Project - 3 assignment

FACULTY:

DATE:



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TIME:

DURATION:

FEE:

Comments:

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