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PYTHON
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About LiveTech

L iveTech was founded in 2004 by IT industry professionals to impart quality training and carve a niche in the IT training industry. LiveTech has successfully skilled 100000+ professionals in Software Testing and Development Domain. LiveTech is involved in training on Software Courses for over 21+ years. LiveTech is a leader in creating not only skilled professionals but also enhance their Employability through real time project implementation Training in Software Testing and Development. The programs are designed by Industry experts and backed by certifications recognized globally in I.T Solutions.

Full Stack Python Content

Module 1 : Python Programming
Module 2 : Frontend Technologies
Module 3 : Backend (DJango & PostgreSql DB)
Module 4 : Advanced Frontend Technologies

Module 1: Python Programming

Python Programming Language

- Introduction To programming
- What is Python Language?
- Important of Python language
- Structure of Python language
- Data types and Variable
- Tokens and Keywords
- Identifier & Literals
- Operators
- Arithmetic operators
- Assignment operators
- Comparison operators
- logical operators
- bitwise operators
- identity operators
- membership operators
- Comment and casting
- string
- Mutable vs Immutable
- List and Tuple
- Set and Frozen set
- Dictionary and Conversion
- Control flow statement
- Conditional statement
- iterative statement
- counter control loop
- event control loop
- for and while
- Transfer statement
- Pass and Continue
- Break & Return

Advanced Python

- Function
- Recursive function
- Iterative function
- Lambda Function
- Exceptional Handling
- Module & Packages
- Built-in modules
- User define modules
- Comprehension
- Any function
- Iterator and generator
- Map and Filter
- Reduce
- Threading and Multi-threading
- Lock ( ), Release(), Acquire ( )

Object oriented programming

- Class
- Object
- Method
- Static Variable
- non-static Variable
- Constructor
- Encapsulation
- Inheritance
- Polymorphism
- abstract Additional Data science Library:
- NumPy
- Pandas
- Matplot
- Project – 1 assignment
- Exam
- Mock Interview

Module 2: Frontend Technologies (Website Design & UI Development)

HTML :

- Introduction To Website Designing
- What is web
- Static webpage vs dynamic page
- Front end vs backend
- Types of Files
- HTML & History of HTML
- Element and Tags
- Attribute
- Structure of HTML
- Headings & Paragraph
- Image & Background color
- Iframe
- Break Tag and Line Tag
- Property and value
- Hyperlink
- Table & List
- Order list & Un-order list
- Definition list
- Pre vs paragraph tag
- Form and Form Validation
- Audio and Video
- Marquee
- Text (Bold, Italic, Underline etc.)

CSS :

- Introduction and Types of CSS
- Inline and External CSS
- Selector and Types of Selectors
- Class and Id
- Group
- Hover effect
- Text and Margin
- Padding and Float
- Border and Border radius
- Circle, Transform and Transition
- Position
- Overflow
- Gradient
- Background Image
- Animation
- Responsive
- Media Query
- Box shadow
- Text shadow
- Test Exam
- Project assignment

Bootstrap :

- Introduction to Bootstrap
- Grid Model
- Grid Layout
- Responsive Webpage
- Gutter
- Bootstrap classes & Structure
- (Container , Rows and column)
- CDN vs NPM vs CSS & JS File
- Creating webpage using Bootstrap Grid model
- Text
- Image
- Menu
- Dropdown
- Carousel
- Cards
- Collapse
- Modal
- Alert
- Table
- Form
- ID Bootstrap Components
- Project -1 assignment
- Project -2 assignment
- Project -3 assignment
- Exam

Module 3: Django Framework with PostgreSQL Database

- Introduction to Django
- Feature of Django
- Django web server
- MVT architecture
- ORM
- Building Django Project
- Understanding Django environment
- Sample Hello world application
- Starting a Project
- Http response
- Activating first APP
- Django template language
- Creating HTML file
- Render HTML file
- View that display hyperlink
- Mapping urls file
- Setting.py file
- Views.py
- Urls.py
- Running our first app
- Passing value using python variable
- Views using Template
- Django template language (DTL)
- Extends
- Static content & Dynamic content
- Passing images
- If else and Loop
- Model , class and object
- Models.py
- ORM
- Integrating PostgreSQL Database
- Creating Model
- Fields in Models
- Converting Model to Table
- Creating super user
- Creating admin panel
- Adding data using admin
- Displaying data through database
- Card view using bootstrap
- CRUD operations
- (Create, Read, Update, Delete)
- Creating signup page
- User authentication
- messages
- Login and Logout Page
- Project – 1 assignment
- Project - 2 assignment
- Project - 3 assignment

Module 4: Advanced Frontend

JavaScript :
- Introduction to JavaScript
- Data vs Information
- Tokens
- Datatype & Keywords
- Identifier
- Variable and Constant
- Script Tag
- JavaScript structure
- Document. Write
- Prompt and Alert
- Confirm
- Operators
- Arithmetic operator
- Assignment operator
- Comparison operator
- Logical operator
- Date and Time
- Control Flow Statement
- Conditional statement
- Loop and Function
- Parameter and Arguments
- Events
- On click
- On Mouse over & On Mouse out
- On submit & On select
- On change & On blur
- On focus & On load
- On key up and on key down
- Hyperlink
- Eval
- Project assignment

Typescript :
- Introduction To Typescript
- How typescript work?
- Benefits & Top features of TS
- Typescript development over JavaScript
- History of TS
- Installation and setting environment

- How to build your 1st TS file
- Compiling TS fie into JS
- Datatypes
- Let, Var, Const
- Any, Unknown
- Type of inference & alias
- Advance data type or collections
- Object & Array
- Built-in array function
- Tuple and Enum
- Union and Literal
- Null and Undefined
- Operators
- Arithmetic operators
- Assignment operators
- Comparison operators
- logical operators
- ternary operators
- type of operators
- control flow statement
- conditional statement
- switch statement
- iterative statement
- for, while, do-while
- un-conditional or transfer statement
- break & continue and return
- Function & Arrow function
- Module & interface
- Object oriented programming
- Class
- Object
- Method
- Constructor
- inheritance
- Method overriding
- Modifier
- Public
- Private
- Protected
- Read-only

React JS :

- Introduction To React JS
- History & Features of React
- Installation & Setting environment
- Creating project
- App.js File
- Displaying our own content
- Index.js file
- Creating & Loading new file
- Importing new file
- Npm vs yam package manager
- File and folder structure
- Package.json file
- Pacakage-lock.json file
- What is babel
- React package installation
- Components in reactjs
- Function component
- Class component
- Jsx
- Click event
- State components
- Props
- Get input box data
- Hide & Show
- Toggle
- Form handling
- Conditional rendering
- Life cycle method
- Constructor Life cycle method
- Render Life cycle method
- Component Life cycle method
- Hooks
- Styles & Bootstrap in react
- Re-using component
- Router & React API
- Redux
- Project assignment

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Placed Students

Name	Company	CTC
G.Sravani	Black Hawk	10 LPA
T. Premsai	Zemoso	6.89 LPA
V. Balaraju	Zemoso	6.89 LPA
SN. Nagarjuna	Cerner	6.0 LPA
Anjali Kumari	e-Team info services	4.5 LPA
D. Supriya	First American	4.4 LPA
CH. Mohan Gopi Krishna	First American	4.4 LPA
K. Alekhya	Darwinbox	4.32 LPA
K. Bhanu	Darwinbox	4.32 LPA
G.Venkatesh	Darwinbox	4.32 LPA
M.Sravani	IBM	4.2 LPA
D.Vishnu Sagar	Delta Technology	4.0 LPA
MD. Rashid Jawaid	Delta Technology	4.0 LPA
N.Spandana	Delta Technology	4.0 LPA
A. Jaya Krishna	Delta Technology	4.0 LPA
K. Alekhya	Delta Technology	4.0 LPA
N.Kavya	Delta Technology	4.0 LPA
G. Rambabu	JD Sports Fashion	4.0 LPA
D. Srividya	Darwinbox	4.0 LPA
A. Satya Prakash	Corpus	3.6 LPA
N.Suresh	Corpus	3.6 LPA
S. Divya	Infosys	3.6 LPA
M. Lokesh Reddy	Infosys	3.6 LPA
KLV. ShivaSai	Darwinbox	3.6 LPA
T. Vineetha	Darwinbox	3.6 LPA
Sushmitha	TCS	3.53 LPA
C. Hasini	Gaian Solutions	3.5 LPA
M.Ramya	Gaian Solutions	3.5 LPA
M. Shivakumar	Gaian Solutions	3.5 LPA
B. Sandhya Rani	Gaian Solutions	3.5 LPA
E. Bharathi	Gaian Solutions	3.5 LPA
D. Sowmya	Gaian Solutions	3.5 LPA
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V. Rakesh	Defteam	3.5 LPA
Ajay Jikare	TCS	3.36 LPA
Govind Dasharathe	TCS	3.36 LPA
K.Tharun	Piersoft	3.0 LPA
B. Ananya	Pronix	3.0 LPA
Poorna	Capgemini	3.0 LPA
T. Kalyankar	Infosys	3.0 LPA
Vijay Reddy	NCR	3.0 LPA
M. Vandana	Smart Data	3.0 LPA
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