

Internship on "Dynamic Website Design & Implementation Using Django & AdminLTE"

Duration : - 40 Days

Mode of Conduction: Online

Fees : - 3500

- Training will be based on live project completion after coverage of each module.

Topic	Content
Introduction to Web (lecture 1-10)	
	What is WWW, Web standards
	Types of Websites (Static and Dynamic Websites)
	Client & Server Architecture, Client and Server Scripting Languages
	Understand HTTP - HTTP request message, HTTP response message
	Learn what is frontend technology
HTML	HTML Introduction
	What is HTML?
	What is an HTML Element?
	Editors - VS Code
	HTML Elements (grouped by function) - Main root, Document metadata, Sectioning root,
	Content sectioning, Text content, Inline text semantics, Image and multimedia,
	Embedded content, Scripting, Table content, Forms
CSS	Cascading Style Sheets introductions
	How to create and use CSS
Bootstrap 4	Introduction & Download Bootstrap to get the compiled CSS and JavaScript
	What is Responsive Web Design?
	Layout- Grid
	Componentes-

	Alerts,Buttons,Card,Carousel,Dropdowns,forms,list,modal,navbar
	Understand Icons-Font Awesome
JavaScript	Introduction of JavaScript and how to use it in HTML
HTML Template & UI Kit	Understand AdminLTE / Adminkit Template and Use it
	AdminLte/Adminkit Components
Git & GitHub	Learn how to use GIT & GITHUB
	Host developed Static website on Github
Python Programming Language - Improve and brush-up Python Programming skills (Lecture 11-25)	
Introduction to Python	Installation and Working with Python
	Understanding Python variables
	Python Operators
	Understanding python blocks
Python Data Types	Declaring and using Numeric data types: int, float, complex
	Using string data type and string operations
	Defining list and list slicing
	Use of Tuple data type
Python String, List and Dictionary Manipulations	Understanding string in build methods
	List manipulation using in build methods
	Dictionary manipulation
Python Program Control Flow Statement	Conditional blocks using if, else and elif
	Loops in python
	For loop using ranges, string, list and dictionaries
	Loop manipulation using pass, continue, break and else
Python Fuctions, Modules & Packages	Organizing python codes using functions

	Organizing python projects into modules
	Importing own module as well as external modules
	Understanding Packages
Python File Operations	Reading, Writing files in python
	Understanding read functions, read(), readline() and readlines()
	Understanding write functions, write() and writelines()
Python Object Oriented Programming	Concept of class, object and instances
	Constructor, Inheritance
Python Exception Handling	Avoiding code break using exception handling
	Safe guarding file operation using exception handling
	Handling and helping developer with error code
Python Database Interaction	SQL Database connection using python
	CURD operation on tables
Learn Django Framework with Live project development(Lecture 26-40)	
Introduction to Django	Virtual Environment
	Installation and Working with Django
	Understand Manage.py
	Create Project and App in Django
Django development process	Understand Settings.py and django project structure
Django view	Understand URLconfs
	Understand View functions
	Understand Shortcuts
	Understand Decorators
Django template	The Django template language
	Variables, Tags, Filters, Comments

Django Forms	Django Form class
	Built-in fields
	Built-in widgets
Django model	Introduction to models
	Model class
	Field types
	Meta options
Django admin	Introduction to admin
	Understand how admin functionality is useful to create dynamic web application
Heroku hosting environment	Understand cloud web services - PaaS & SaaS
	Host developed web application on heroku cloud

Outcome of Internship:-

Post Internship, Few students will be selected after screening test and will be offered internship with stipend, student will be offered live projects work. Live project work experience will be useful for job profile like “**Python Back End Developer**”, “**Python Full Stack Developer**”.

Prerequisite Hardware/Software:

Python 3.8.5 or above
VS Code 1.50 or above
Django 3.1.x or above
High Speed Internet
Desktop/Laptop with min 2 GB RAM or above
Google Meet
Headphone with mic

Interested Student can register on google form:-

<https://forms.gle/MuJ7jXVFwMzLmCv17>

Join what's up group:

<https://chat.whatsapp.com/ErbFLYQrHi6LTU2qV4MWLg>

Minimum Batch Strength:- 50