

## **Introduction to Web Programming with Python and JavaScript**

### **Objective:**

The course has been designed to provide the basic knowledge for developing of the web pages using Python and JavaScript programming language.

### **Learning Outcome:**

After the completion of the course, the students will be able to understand the basic idea of web page development using Python and JavaScript programming language.

<b>Duration</b> (In Hours)	: 5 days / 10 Hours.
<b>Course Fees</b> (INR)	: 520/- with GST (18%)
<b>Minimum Eligibility</b>	: 12th pass
<b>Prerequisite</b>	: Familiarity with Smartphone or PC

### COURSE OUTLINE:

SN	MODULES
1	Introduction to Web Development Concept, HTML, CSS
2	Introduction to Concept of Python
3	Implementation of Python with Django Web Framework
4	Introduction to Concept of JavaScript
5	Developing WebPages using JavaScript& Django

### **How to Register:**

Please visit [www.nielit.gov.in/guwahati](http://www.nielit.gov.in/guwahati) --> Go to Student zone --> Admission Notice --> Online Courses

Or

<https://www.nielitassam.net/registration>

Apply by paying the fees online or using the QR code below:



## **SYLLABUS:**

### **1. Introduction to Web Development Concept, HTML, CSS:**

- Web Development concept.
- WebPages, Websites, and hosting sites.
- Basic idea of HTML tags and CSS tags.
- Some Major Examples.

### **2. Introduction to Python:**

- General Introduction.
- Sequences and Iteration.
- Conditionals.
- Functions.
- Libraries.
- Examples.

### **3. Implementation of Python with Django Web Framework**

- What is Web Framework?
- Intro to Django.
- Download & installation of Django.
- Implementation of Django with python using examples.

### **4. Introduction to Concept of JavaScript**

- General Introduction.
- Data types In JavaScript
- JavaScript Strings
- Useful String Methods
- Operators In JavaScript
- Conditional and logical statements
- Document Object Model (DOM)
- Events InJavaScript
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### **5. Developing WebPages using JavaScript & Django**

- A project based on JavaScript.
- A project based on Django.

Course start date: 7<sup>th</sup> June 2021

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