

Web Development

IE-NITK Summer Mentorship 2018
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Have you ever wanted to create a Web application but didn't know where to start? Have you previously tried to learn Web development but got fed up with incomplete piece of information?

THEN THIS PROGRAMME IS FOR YOU!

We will be helping you to gain basic understanding of web development and build fully functional websites from scratch.

Overview

Web Development can be split into two categories—front-end and back-end. The front-end is everything involved with what the user sees, including design . HTML is at the core of every web page, regardless the complexity of a site or number of technologies involved .It provides the *basic structure* of sites, which is enhanced and modified by other technologies like CSS and JavaScript. **CSS** is used to control *presentation, formatting, and layout* . **JavaScript** is used to control the *behavior* of different elements.

The back-end is basically how the site works, updates and changes. This refers to everything the user can't see in the browser, like databases and servers . It is brain of the website , it involves things like

- 1] deciding what to send back the user for every request
- 2] saving users data on database

3] other logical stuff

We will start with the frontend , getting our hands on html , css and javascript . Then we will move on to the backend . We will be using Django framework (a Python Web framework)

Course Plan

Week 1 – Introduction to Front End (HTML and CSS) .

Week 2 – JavaScript and jQuery.

Week 3 – Introduction to python and various installations.

Week 4 – Overview of Django.

Week 5 – Django level 2 – creating models , working with database , working with forms.

Week 6 – Django level 3 – User Authentications , Bootstrap , Static files etc.

Week 7 & 8 – Additional topics and **Mini Project** .

* Every week some tasks will be given as assignment .

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