Beyond Curriculum Training
On

"Programming Foundations with JavaScript, HTML and CSS"

Date: 16/06/2020 to 27/06/2020

Organized by

Narula Institute of Technology

81, Nilgunj Road, Agarpara,

Kolkata – 700 109

Training Overview
This course offers an additional value in foundational programming concepts (e.g., functions, for loops, conditional statements) and how to solve problems like a programmer. In addition, it explains the basic web development to build web pages using HTML, CSS, JavaScript.

Training Objective
To provide the introduction level familiarity with all the 3 brick-and-mortar website building tools HTML, CSS, JavaScript.

Course Outcomes
After completion of this course students will be able to
● Think critically about how to solve a problem using programming.
● Write JavaScript programs using functions, for loops, and conditional statements.
● Use HTML to construct a web page with paragraphs, divs, images, links, and lists.
● Add styles to a web page with CSS IDs and classes.
● Make a web page interactive with JavaScript commands like alert, onClick, onChange, adding input features like an image canvas, button, and slider.

CONTACT PERSON
Tamasree Biswas
Contact No. – 9477356705
Email :-- tamasree.biswas@nit.ac.in

Mousumi Saha

Contact No. – 9748725384

Email :-- mousumi.saha@nit.ac.in

Course Content

Module 1: Introduction
Basics of programming
Form building web pages
Writing programs with JavaScript
Interactive web pages

Module 2: Designing a Web Page with HTML and CSS
Basics of HTML and CSS to design a web page.

Module 3: Algorithms and Programming Concepts
Developing an Algorithm6m
A Seven Step Approach to Solving Programming Problems
Variables
Methods
Functions
For Loops
Conditional Execution
Translating to Code
Thinking Critically about the Program
Finding Bugs in Code

Module 4: JavaScript for Web Pages
Buttons with Divs
Changing Pages Interactively
Using HTML5 Canvas
Inputs and Events
Upload and Display an Image
Convert Image to Grayscale
Moving to CodePen.

Module 5: MiniProject: Image Filters on the Web