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WEB DEVELOPMENT COURSE

Level (Basic & Advance)
Duration 30 & 60 Days

FEES STARTING FROM 3500/-

SYLLABUS

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2017

NB DIGITAL TECHNOLOGIES

Your Growth Partner

WEB DEVELOPMENT COURSE (Basic)

HTML

- ·WHAT IS HTML?
- ·EDITORS
- ·ELEMENTS.
- ·BLOCK ELEMENTS.
- ·ATTRIBUTES
- ·MAKE A NEW LINE USING HTML
- ·HEADERS AND PARAGRAPHS
- ·CREATING HYPERLINKS
- ·USING IMAGES
- ·TEXT FORMATTING
- ·INLINE STYLING WITH THE STYLE ATTRIBUTE
- ·HTML COMMENTS
- ·THE MOST COMMON ELEMENT: DIV
- ·INTRODUCTION TO LISTS
- ·CREATING TABLES
- ·ACCEPTING INFORMATION WITH FORMS
- ·IFRAMES: PAGES INSIDE PAGE

CSS

- ·WHAT IS CSS?
- ·HOW TO WRITE CSS: SYNTAX
- ·USING STYLE SHEETS
- ·USING EXTERNAL STYLE SHEETS
- ·IDENTITIES AND CLASSES
- ·STYLE ENTIRE ELEMENTS
- ·CSS COMMENTS
- ·CHANGE BACKGROUND COLORS
- ·SETTING BACKGROUND IMAGES
- ·CHANGE TEXT COLOR
- ·TEXT FORMATTING USING CSS
- ·FONT PROPERTIES
- ·TEXT PROPERTIES
- ·STYLING HYPERLINKS USING CSS
- ·STYLING LISTS USING CSS
- ·SETTING ELEMENT WIDTH AND HEIGHT
- ·ADDING BORDERS
- ·SPACING: MARGIN PADDING
- ·CHANGE THE MOUSE TYPE: CURSOR
- ·HIDE, SHOW AND DISPLAY ELEMENTS
- ·WHAT TO DO WITH OVERFLOWING CONTENT

JAVASCRIPT BASICS

- ·WHAT IS JAVASCRIPT?

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·JAVASCRIPT: INTERNAL VS. EXTERNAL
·JAVASCRIPT COMMENTS
·DOCUMENT.WRITE ;
·DISPLAY INFO FROM THE BROWSER: ALERT CONFIRM
·PROMPTING THE USER FOR INFORMATION
·PROGRAMMING FUNDAMENTALS: VARIABLES
·ADD TWO SENTENCES TOGETHER: CONCATENATION
·BASIC MATH IN JAVASCRIPT
·REDIRECTING USERS AND OPENING NEW WINDOWS
·CREATING EMPTY HYPERLINKS
·STRING MANIPULATION
·COMPARING VARIABLES AND VALUES
·PROGRAMMING FUNDAMENTALS: IF...ELSE STATEMENTS
·PROGRAMMING FUNDAMENTALS: ELSE...IF STATEMENTS
·PROGRAMMING FUNDAMENTALS: SWITCH STATEMENTS
·PROGRAMMING FUNDAMENTALS: FUNCTIONS
·JAVASCRIPT EVENTS
·SELECTING HTML ELEMENTS USING GETELEMENTBYID
·ESCAPING CONTENT
·PROGRAMMING FUNDAMENTALS: ARRAYS
·PROGRAMMING FUNDAMENTALS: FOR LOOPS
·PROGRAMMING FUNDAMENTALS: WHILE LOOPS
·PROGRAMMING FUNDAMENTALS: BREAKING OUT OF LOOP
·PROGRAMMING FUNDAMENTALS: SKIPPING A LOOP CYCLERESPONSIVE DESIGN 7 DAYS

Bootstrap

·WHAT IS RESPONSIVE DESIGN
·INTRODUCTION TO BOOTSTRAP
·WHAT IS TWITTER BOOTSTRAP
·GETTING STARTED WITH BOOTSTRAP
·NAVBAR DROPDOWNS
·JUMBOTRON
·ROWS, GRIDS MEDIA OBJECTS
·LIST GROUPS GLYPHICONS
·FORMS, TOOLTIPS POPOVERS
·MODALS TABS
·CAROUSEL COLLAPSE
·WRAP UP
BACKEND DEVELOPMENT 10 DAYS

PHP

·WHAT IS PHP?
·INSTALLING PHP
·SYNTAX HELLO WORLD
·HOW TO WRITE COMMENTS IN PHP
·INTRODUCTION TO PHP VARIABLES
·STRINGS CONCATENATION
·REPLACE AREAS OF A STRING

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- MANIPULATE OTHER AREAS OF A STRING
- DISPLAYING HTML ENTITIES
- PHP LISTS: ARRAYS
- CREATING AND DESTROYING ARRAYS: EXPLODE IMPLODE
- OPERATORS
- IF...ELSE STATEMENTS
- ELSEIF STATEMENTS
- SWITCH STATEMENTS
- FOR LOOPS
- WHILE LOOPS
- BREAK FROM LOOPS
- CONTINUE, IS ARRAY AND QUOTES
- INCLUDING FILES
- FUNCTIONS
- CONSTANTS. THE UNCHANGEABLE VARIABLE.
- INSERT VALUE IN FORM
- UPDATE VALUE IN FORM
- FETCH VALUE IN FORM
- DELETE VALUE IN FORM

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WEB DEVELOPMENT COURSE (Advance)

HTML Basics

- WHAT IS HTML?
- EDITORS
- ELEMENTS.
- BLOCK ELEMENTS.
- ATTRIBUTES
- MAKE A NEW LINE USING HTML
- HEADERS AND PARAGRAPHS
- CREATING HYPERLINKS
- USING IMAGES
- TEXT FORMATTING
- INLINE STYLING WITH THE STYLE ATTRIBUTE
- HTML COMMENTS
- THE MOST COMMON ELEMENT: DIV
- INTRODUCTION TO LISTS
- CREATING TABLES
- ACCEPTING INFORMATION WITH FORMS
- IFRAMES: PAGES INSIDE PAGE

HTML Advanced

- THE DOCTYPE
- WHAT IS THE HEAD SECTION?
- ADDING ADDITIONAL SCRIPTS
- DOCUMENT OBJECT MODEL DOM
- HTML ENTITIES

HTML5

- HTML5 DOCTYPE
- SOME NEW HTML5 ELEMENTS
- HTML5 HEADER AND FOOTER
- ALLOW SPELLCHECK AND EDITABLE AREAS
- USING VIDEOS
- ADDING AUDIO
- USER LOCATION: GEOLOCATION
- SAVING INFORMATION –SESSIONSTORAGE

CSS

- WHAT IS CSS?
- HOW TO WRITE CSS: SYNTAX
- USING STYLE SHEETS
- USING EXTERNAL STYLE SHEETS
- IDENTITIES AND CLASSES
- STYLE ENTIRE ELEMENTS
- CSS COMMENTS
- CHANGE BACKGROUND COLORS
- SETTING BACKGROUND IMAGES
- CHANGE TEXT COLOR
- TEXT FORMATTING USING CSS
- FONT PROPERTIES
- TEXT PROPERTIES
- STYLING HYPERLINKS USING CSS
- STYLING LISTS USING CSS

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- SETTING ELEMENT WIDTH AND HEIGHT
- ADDING BORDERS
- SPACING: MARGIN & PADDING
- CHANGE THE MOUSE TYPE: CURSOR
- HIDE, SHOW AND DISPLAY ELEMENTS
- WHAT TO DO WITH OVERFLOWING CONTENT

CSS Advanced

- GROUPING & NESTING
- MAXIMUM & MINIMUM DIMENSIONS
- MOVE AN ELEMENT FROM IT'S DEFAULT POSITION
- RELATIVE LOCATION & LAYERING
- FLOATING
- CLEAR
- PSEUDOS
- ALIGNMENT
- SPRITES: THE MOST EFFICIENT WAY TO LOAD IMAGES
- MAKE ELEMENTS TRANSLUCENT: OPACITY
- DIFFERENT MEDIA TYPES
- STYLE ELEMENTS BASED ON THEIR ATTRIBUTES
- BROWSER PREFIXES
- OVERWRITE ALL STYLING BEFORE-HAND

CSS3

- WHAT IS CSS3
- ROUNDED BORDERS
- USING IMAGES IN BORDERS
- ADDING SHADOWS TO ELEMENTS
- CHANGE THE BACKGROUND IMAGE SIZE
- ADDING TEXT SHADOW
- GET CREATIVE WITH CUSTOM FONTS
- ROTATE AND SKEW ELEMENTS USING CSS3
- RESIZING TEXT AREAS

Bootstrap

- WHAT IS RESPONSIVE DESIGN
- INTRODUCTION TO BOOTSTRAP
- WHAT IS TWITTER BOOTSTRAP
- GETTING STARTED WITH BOOTSTRAP
- NAVBAR & DROPDOWNS
- JUMBOTRON
- ROWS, GRIDS & MEDIA OBJECTS
- LIST GROUPS & GLYPHICONS
- FORMS, TOOLTIPS & POPOVERS
- MODALS & TABS
- CAROUSEL & COLLAPSE
- WRAP UP

PHP

- WHAT IS PHP?
- INSTALLING PHP
- SYNTAX & HELLO WORLD

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- HOW TO WRITE COMMENTS IN PHP
- INTRODUCTION TO PHP VARIABLES
- STRINGS CONCATENATION
- REPLACE AREAS OF A STRING
- MANIPULATE OTHER AREAS OF A STRING
- DISPLAYING HTML ENTITIES
- PHP LISTS: ARRAYS
- CREATING AND DESTROYING ARRAYS: EXPLODE IMPLODE
- OPERATORS
- IF...ELSE STATEMENTS
- DELETE VALUE IN FORM
- ELSEIF STATEMENTS
- SWITCH STATEMENTS
- FOR LOOPS
- WHILE LOOPS
- BREAK FROM LOOPS
- CONTINUE, IS ARRAY AND QUOTES
- INCLUDING FILES
- FUNCTIONS
- CONSTANTS. THE UNCHANGEABLE VARIABLE.
- CHECKING IF SOMETHING EXISTS
- INSERT VALUE IN FORM
- UPDATE VALUE IN FORM
- FETCH VALUE IN FORM
- NEW LINES ARE DIFFERENT IN PHP
- SERVER DATE AND TIME
- QUICK IF/ELSE STATEMENTS: TERNARY LOGIC

PHP Advanced

- TEMPORARILY SAVE USER INFORMATION: SESSIONS
- SERVER SUPER GLOBAL VARIABLES ARE USABLE ANYWHERE
- SAVE LONG-TERM USER INFORMATION: COOKIES
- UPLOADING FILES
- SENDING EMAILS
- INTRODUCING FILE SYSTEMS AND MANAGEMENTS
- CREATING NEW FILES
- WRITING TO EXISTING FILES
- READ FILE CONTENTS
- ADD INFORMATION TO A FILE
- DELETING A FILE
- ALL FILE MODES

MySQL Database

- WHAT IS SQL?
- SETTING UP A DATABASE
- INTRODUCING PHPMYADMIN
- MYSQL SYNTAX
- TABLES, COLUMNS AND ROWS
- CONNECTING TO A DATABASE
- CREATING A TABLE: 5 COLUMNS AND 3 ROWS.
- INSERTING INFORMATION
- ESCAPING INFORMATION
- GET INFORMATION THAT'S STORED IN A DATABASE

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- SELECTING SPECIFIC INFORMATION: THE WHERE CLAUSE
- SELECTING SPECIFIC INFORMATION: THE AND/OR CLAUSES
- LIMITING RESULTS AND ORDERING DATA
- UPDATING THE DATABASE
- DELETING STORED INFORMATION

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Laravel Framework

- INTRODUCTION TO PHP FRAMEWORK
- INTRODUCTION TO LARAVEL
- LARAVEL INSTALLATION
- ROUTING IN LARAVEL
- MVC IN LARAVEL
- TEMPLATES

CREATING AN APPLICATION
TESTING IN LARAVEL
DATABASE CONFIGURATION

- LARAVEL PAGINATION
- VALIDATION IN LARAVEL

ELOQUENT ORM
ARTISAN COMMAND LINE INTERFACE
DEPLOY APPLICATION USING LARAVEL

WEBSITE PERFORMANCE OPTIMIZATION

Introduction

- INTRO TO CHROME DEVELOPER TOOLS.
- HOW TO MEASURE THE PERFORMANCE OF MOBILE AND DESKTOP WEBSITES.

Critical Rendering Path

- HOW ARE BROWSERS AND WEBSITES BUILT.
- HTML, CSS AND JAVASCRIPT AND THE CONVERSIONS TO DOM AND CSSOM.
- MEASURING PERFORMANCE VIA THE TIMELINE VIEW IN CHROME DEVELOPER TOOLS.

Easy HTML, CSS and JavaScript optimizations.

- ADDING POWERFUL ATTRIBUTES TO HTML TAGS.
- DIAGNOSE OPPORTUNITIES FOR OPTIMIZATION.

KEY METRICS TO TRIANGULATE POTENTIAL PERFORMANCE BOTTLENECKS

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FEES FOR BASIC COURSE RS 3500 / FOR ADVANCE RS 14500

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- Beside BSNL Office Infront of Pithalia Complex Fafadih, Raipur(C.G)
- +91-8827690288 +91-9893256555
- bhuwnesh.shrivastava@gmail.com

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