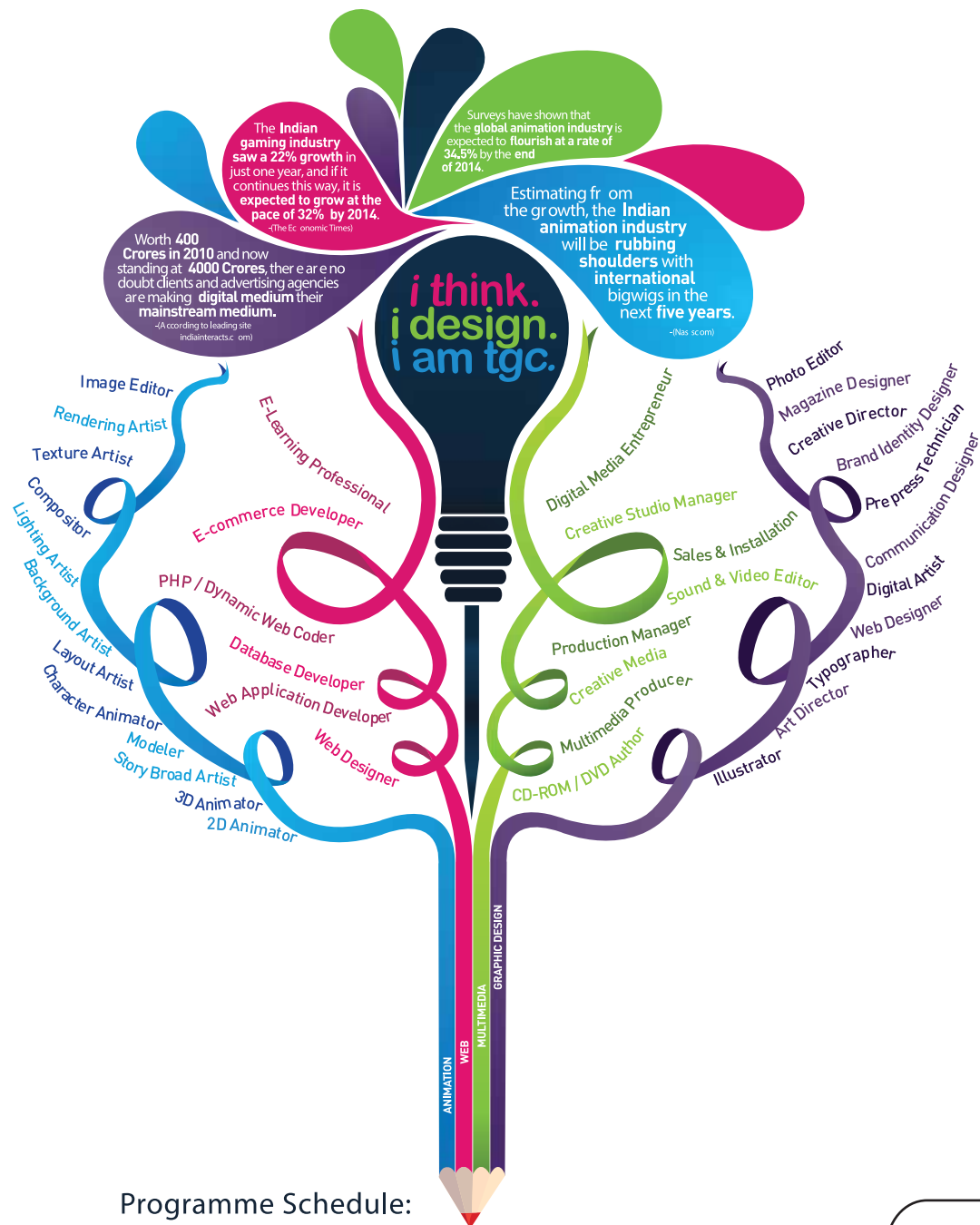## TGC Animation & Multimedia

TGC is a sincere attempt on part of a few committed professionals in the field of Animation & Digital Art Media. It is our endeavor to turn out self-driven, top class professionals in this field who derive utmost satisfaction from challenges at work and deadlines. This industry focus sets us apart from others in this field and if, we may say so, is also one of our competitive advantages.

TGC, an ISO certified company, We are also mainstream partner of Govt. of India Skill India Programme.

For the last 20 years we have produced more than 12,000 hardcore skilled designers most of them are working with some of the most renowned animation studios, multimedia houses, e-learning companies, national dailies, & web design firms etc.

At TGC, we innovate design study by giving an apt environment i.e. full of daily regular sessions, project works, assignments,

environmental study, group discussions, celebrating design events, contest and excursion trips. Unified method of teaching also include, updating students through various workshops, symposiums & design shows.

The **Indian gaming industry** saw a **22% growth** in just one year, and if it continues this way, it is **expected to grow at the pace of 32% by 2014.**
-(The Economic Times)

Surveys have shown that the **global animation industry** is expected to flourish at a rate of **34.5%** by the **end of 2014.**

Worth **400 Crores in 2010** and now standing at **4000 Crores**, there are no doubt clients and advertising agencies are making **digital medium** their **mainstream medium.**
-(According to leading site indiainteracts.com)

Estimating from the growth, the **Indian animation industry** will be **rubbing shoulders** with **international** bigwigs in the next **five years.**
-(Nasscom)

i think.
i design.
i am tgc.

Image Editor
Rendering Artist
Texture Artist
Compositor
Lighting Artist
Background Artist
Layout Artist
Character Animator
Modeler
Story Broad Artist
3D Animator
2D Animator

E-Learning Professional
E-commerce Developer
PHP / Dynamic Web Coder
Database Developer
Web Application Developer
Web Designer

Digital Media Entrepreneur
Creative Studio Manager
Sales & Installation
Sound & Video Editor
Production Manager
Creative Media
Multimedia Producer
CD-ROM / DVD Author

Photo Editor
Magazine Designer
Creative Director
Brand Identity Designer
Prepress Technician
Communication Designer
Digital Artist
Web Designer
Typographer
Art Director
Illustrator

ANIMATION
WEB
MULTIMEDIA
GRAPHIC DESIGN

tgc

ARE YOU READY? BECAUSE WE ARE!

Programme Schedule:

Normal Track
Course Duration: 6 months
Schedule: 2 Hours/ 5 Days a week

Fast Track
Course Duration: 3 months
Schedule: 4 Hours/6 days a week

Objective of The Training
Web User Interface (UI) design
Core Web Design and designing responsive websites
Web Design Project + Internet marketing (Overview)
Web Domain and Hosting maintenance

WEB DESIGN

Program Outline
Program is divided into 2 modules along with Portfolio Making

CODE	SUBJECT
Module1.	User Interface Design
Module2.	Core Web Functionality
Module 3.	Final Portfolio

ANIMATION

WEB

MULTIMEDIA

GRAPHIC DESIGN

Web Design

Web Design is probably one of the fastest changing phase of IT world today, Career in Web design is rightest choice for any web design enthusiast as it offers challenges at work, taking stride with ever changing technology and immense scope of growth that comes along.

Module1.User Interface Design

Planning a website using a structured document, Site Navigation Types, Creating web illustrations like buttons, banners & Bars, Typography for Web, Scribbling the layout, Creating web templates
Slicing the templates,Recognizing Good design vs. Bad Design, Optimizing graphics and images for faster downloads

Module2. Core Functionality

HTML 4/5, CSS 2/3, Adobe Dreamweaver, Bootstrap, Creating Forms and validations, Java Script,JQuery, JSON, Angular and Typescript, Wordpress, Testing and Maintaining a website, FTP controls.

SOFTWARE COVERED

Adobe Photoshop cc

HTML4/ HTML5

CSS2/CSS3

Adobe Dreamweaver cc

Bootstrap

Javascript

JQuery and JSON

Angular

WordPress

**Cpanel management**

ADOBE PHOTOSHOP CC

MODULE 1: INTRO. TO ADOBE PHOTOSHOP INTERFACE

- Use of Photoshop tools
- Panels and workspace
- Layers- Layer styles, Layer effects & Adjustment layers
- Selections- Quick selections & Selection Manipulation
- Masks
- Channels
- Window Options
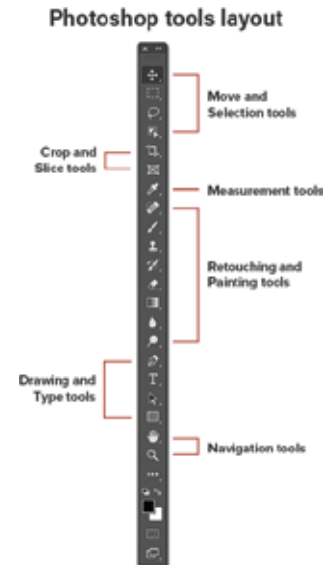
MODULE 2: BASIC PHOTO CORRECTIONS & MANIPULATIONS

- Resolutions and Image Size
- Retouching Photos
- Camera Raw
- Image distortion
- Image color Correction
- Depth of Field
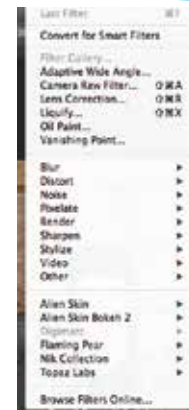
MODULE 3: TYPOGRAPHY

- Creating Clipping mask from type
- Creating type on a path
- Warping point type
- Designing Paragraphs of type
- Sans Vs Seriff
- Type Aesthetics

MODULE 4: CREATIVE ART-WORKS IN PHOTOSHOP

- Bitmap and Vector Images
- The use of Pen tool
- The use of Path with artwork
- Working with custom shapes and smart objects

MODULE 5: DIGITAL PAINTING

- The use of Mixer Brush
- Brush settings
- Use of Custom Brush Preset
- Mixing Colors with Photographs

MODULE 6: MATTE PAINTING AND COMPOSITING

- Montage of Images
- Applying Filters and Smart Filters
- Use of Color Schemes
- Use of Drop Shadows and Borders

MODULE 7: PREPARING FILES FOR WEB.

- Exporting HTML and Images
- Web Gallery Creation
- Creating Slices

MODULE 8: 3D IMAGES & ANIMATION

- Creating 3D shape from Layers
- 3D Object Manipulation
- Merging 3D Layers
- Positioning of 3D layers in a Scene
- Lighting a 3D scene
- Rendering a 3D scene
- Creating effects
- Adding transitions
- Animating text with keyframes

MODULE 9: COLOR MANAGEMENT, FILE FORMATS & WORKFLOW

- Color Management
- Gamut colors
- CMYK EPS Files
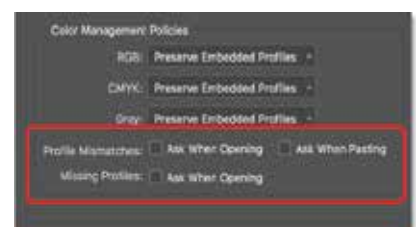
Assignment list- HTML

Tribute Page (Tribute a Famous Personality)

You can use paragraphs, lists, links, images with CSS to give it a decent look.

Web Page including Form

Applying text field, checkbox, radio button, date, and other important elements in a single form.

Parallax website

Landing Page

Restaurant or Education institute Website

An Event or a Conference Page for a Workshop

E-mailer Page

Photography Portfolio Page

Personal Webpage

Technical Documentation Page

HTML

HTML4 / 5

MODULE 1: HTML BASICS

- Create & Open HTML Pages
- Doctype & Basic Layout
- Setting Up Live Server (VSCode Extension)
- Meta Tags & Search Engines
- Headings, Paragraphs & Typography
- Links, Images & Attributes
- Lists & Tables
- Forms & Input
- Block & Inline Level Elements
- Divs & Spans, Classes & Ids
- HTML Entities
- HTML5 Semantic Tags & Challenge
- HTML5 Semantics Solution & Wrap Up

- Implementing CSS
- Basic CSS Selectors
- Dev Tools Introduction
- Fonts In CSS
- Color Types
- Backgrounds & Borders
- Box Model, Margin & Padding
- Float & Alignment
- Link State & Button Styling
- Navigation Menu Styling
- Inline, Block & Inline-Block Display
- Positioning
- Form Style Challenge
- Form Style Solution
- Aside: Visibility, Order & Negative Margin

MODULE 3: RESPONSIVE LAYOUT

- What Is Responsive Design?
- Getting Started With Media Queries
- Em & Rem Units
- Vh & Vw Units
- Making The Hotel Website Fully Responsive

MODULE 4: FLEXBOX

- What Is Flexbox?
- Flexbox Basics
- Flex Properties
- Flex Alignment & Justify

MODULE 5: EDGELEDGER WEBSITE

- Header HTML & Navbar Styles
- Hero Section & Overlay
- Icons & Solutions Sections
- Cases & Blog Sections
- Finishing The Homepage
- Responsive Media Queries
- Inner Pages
- Navbar & Lightbox Effects
- Extra - Adding a Favicon

MODULE 6: WEBSITE DEPLOYMENT – SHARED HOST

- Types Of Web Hosting
- Shared Hosting Setup
- Hosting Company Links
- Setting Up Email
- Upload Your Site via FTP

MODULE 7: MORE CSS CONCEPTS – (ADVANCED SELECTORS, ANIMATION & MORE)

- Targeted Selectors
- nth-child Pseudo Selectors
- before & after Pseudo Selectors
- Box Shadows
- Text Shadows
- CSS Variables (Custom Properties)
- Keyframe Animation 1
- Keyframe Animation 2
- CSS Transitions
- Transform Property

MODULE 8: MORE CSS CONCEPTS – ADVANCED SELECTORS, ANIMATION & MORE

- Presentation Website [1] - Intro & HTML
- Presentation Website [2] - Page CSS
- Presentation Website [3] - Text Animation
- Hamburger Menu Overlay [1] - Base CSS
- Hamburger Menu Overlay [2] -
- Hamburger Menu Overlay [3] - Animating The Hamburger Lines
- Hamburger Menu Overlay [4] - Menu Overlay
- Knowledge Timeline [1] - HTML & Base CSS
- Knowledge Timeline [2] - Boxes & Arrows
- Knowledge Timeline [3] - Media Queries
- Knowledge Timeline [4] - Scroll In Animation
- Quick Dropdown Menu Project

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MODULE 9: CSS GRID

- What Is CSS Grid?

- Grid Basics & Columns

- Grid Rows

- Spanning Columns & Rows

- Auto-Fit & Minmax

- Grid Template Areas

- Media Queries & The Grid

ADOBE DREAMWEAVER

MODULE 1: GETTING TO KNOW THE WORK AREA

- Introduction
- Viewing The Dreamweaver Window
- Creating A Web Site
- Creating A Web Document
- Setting Properties & Tracing Images
- Viewing Web Pages & Browser Lab
- Saving Web Pages

MODULE 2: WORKING WITH TEXT

- Introduction
- Defining The Test Site
- Adding Text To A Page
- Using Paste Special
- Text Selection Techniques
- Character And Paragraph Styles Defined
- Applying Paragraph And Character Styles
- Ordered Unordered & Definition Lists
- Finding & Replacing Text

MODULE 3: Working With Images

- Introduction
- Images In Dreamweaver
- Setting Up The Work Site
- Adding Images To A New Web Page
- Optimizing Images Within Dreamweaver
- Using External Editors
- Creating A Rollover
- Controlling Images With The Properties Panel
- Opening PSD Images Directly In Dreamweaver

MODULE 4: Creating Links

- Creating A Link With A Graphic
- Generating An Image Map
- Creating An Email Link
- Linking Web Sites
- Linking Within A Single Web Document

MODULE 5: Working With Cascading Style Sheet

- Cascading Style Sheets Overview
- Setting Up The Site
- Redefining HTML Tags
- Exploring CSS Categories
- Creating Customized Rules
- Modifying CSS Styles
- Creating A Compound Style
- The CSS Styles Panel

MODULE 6: Working with External Cascading Style Sheets

- Understanding External Style Sheets
- Setting Up The Site
- Creating An External Style Sheet
- Modifying And External Style Sheet
- Attaching & Removing External Style Sheets
- Performing Global Changes
- Adding External Style Sheets To A New Page
- Putting The Cascade Into CSS

MODULE 7: Page Layout with CSS

- Working With Div Statements
- Setting Up The Site
- Experimenting With Div Statements
- Creating A Web Page With Divs
- Centering A Page In The Browser
- Working With Backgrounds & Controlling Pages
- Controlling Navigation With CSS
- Working With Text And Images

MODULE 8: Working with Frames

- Understanding Frames
- Setting Up The Site
- Creating A Frameset
- Creating Navigation With Javascript
- Linking Frames To The Navigation
- Creating A Scroll With A Frame & A Div
- Working With The Noframe Option
- Controlling Frames Within The Frameset

MODULE 9: Dreamweaver and Html

- A Look At HTML
- Setting Up The Site
- Working In Code View
- Using The Quick Tag Editor
- The Tag Inspector Panel
- Working With The Code Navigator

MODULE 10: Working with Forms

- Forms & Fields 101
- Setting Up The Site
- Creating A Form
- Adding & Formatting Text Fields
- Working With Menus & Lists
- Adding A Text Area
- Using Radio Buttons And Checkmarks
- Accessing Files With The File Field Option
- Adding A Submit Button
- Organizing Form Data For The Viewer
- Tying It All Together

MODULE 11: Working With Dreamweaver

- Setting Up The Site
- Adding Behaviors To An Image
- Using The Fade And Grow - Shrink Behaviors
- Swapping Images With Behaviors
- Creating A Unique Rollover
- Generating Rollover Buttons
- Making A Double-Duty Rollover
- Displaying Information With Show Hide

MODULE 12: Working with Multimedia

- Setting Up The Site
- Creating A Favicon
- Inserting A Flash Document
- Working With Flash Properties
- Working With FLV Files
- Using Movie Files

MODULE 13: Moving your site to the Server

- Setting Up The FTP
- Working With The Assets Panel
- Using Design Notes
- Using The Cloak Command

MODULE 14: Working with Snippets and Libraries

- Setting Up The Site
- Creating A Snippet
- Applying A Snippet
- Editing A Snippet
- Creating A Library Item
- Editing A Library Item
- Detaching And Recreating Library Items

MODULE 15: Working with Snippets and Libraries

- Setting Up The Site
- Creating A Template Page
- Generating Editable Regions
- Removing Editable Regions
- Generating A Page From A Template
- Editing A Template
- Templates And The Assets Panel

JAVA SCRIPT / JQUERY AND JSON

Module 1: Fundamental of JavaScript

- Introduction
- DOM
- DOM Events
- Data Types &variables
- var, Let and const
- Operators
- Decision Making (if, if-else, Multiple if, Nested if)
- Function
- Loop
- Hoisting
- Arrays
- String
- Error debugging
- Internal Vs External
- Break and continue

Module 2: jQuery

- Introduction to jQuery
- Selectors
- Effects
- Callbacks
- Window and document Object
- Inner html
- Attributes
- Changing CSS

Module 3: Object Oriented JavaScript

- Introduction to Class
- What is Object
- Prototype
- __proto__
- Object Cloning
- this

Module 4: AJAX

- What is AJAX
- Architecture of AJAX
- XMLHttp Object
- AJAX request and response
- Implement AJAX using JQuery or native Java Script

Module 5: Chart Library

- What is JSON
- JSON vs XML
- Introduction to JQX
- Create a bar chart
- Create a Pie Chart
- Create a line Chart

Module 6: Architecture of Java Script

- ECMAScript
- Closure
- Event Loop
- Synchronous Vs asynchronous
- Design Patterns

Module 7: Es6 & Advance Concept

- Arrow Function
- Default Parameter
- De-structuring in ES6
- Classes in ES6
- Promises
- NPM

BOOTSTRAP

Module 1: Bootstrap Basics

- Bootstrap Grid System
- Fixed Layout vs. Fluid Layout
- Bootstrap Code Lookup
- Tables in Bootstrap
- Forms in Bootstrap
- Bootstrap Buttons
- Image Handling in Bootstrap

Module 2: Advanced Bootstrap

- Navbars using Bootstrap
- Labels and badges
- Input Sizing in Bootstrap
- Bootstrap Helper Class
- Breadcrumbs using Bootstrap
- Creating a Jumbotron
- Pagination in Bootstrap
- Progress bars using Bootstrap

Module 3: Bootstrap Plugins

- Alerts Plugin in Bootstrap
- Dropdown Plugin in Bootstrap
- Tooltips Plugin in Bootstrap
- Tabs Plugin in Bootstrap
- Popovers Plugin in Bootstrap
- Modals Plugin in Bootstrap
- Collapse Plugin in Bootstrap
- ScrollSpy Plugin in Bootstrap
- Carousel Plugin in Bootstrap
- Affix Plugin in Bootstrap

ANGULAR

Module 1: Introduction

- What is SPA?
- Why Node along with Angular?
- Single Page Apps vs Conventional Web Apps
- Anatomy of Angular 2/4/5 Application
- Angular JS Environment Set-up
- NodeJS Setup
- IDE set-up (VS-Code)
- Angular-CLI Introduction & Set-up
- Bootstrap intro & set-up
- The architecture of Angular JS
- Structure of Angular Js Application

Module 2: Type-Script

- Brief Intro to TypeScript
- Why Use TypeScript
- Getting Setup in VS-Code
- Data Types in Type Scripts
- Function, Fat Arrow Functions
- var, Let, const
- Debugging
- TypeScript Decision Making and Loops Maps
- TypeScript Class, Interface, Objects, Namespace & Modules
- TypeScript Generics

Module 3: Introduction to Component

- What is component?
- Creating Component class
- Metadata with Decorator
- Importing Modules
- Creating App Component
- Angular Bootstrapping process
- Single Page Application Intro

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Module 4: Template, Interpolation and Directives

- Introduction
- Building a Template
- In-lined And External Templates
- Building a Component
- Using Component as a Directive
- Binding with Interpolation
- Styling Template
- Creating and Displaying Data for Component
- Directives (Built-in i.e *ngIf, *ngFor etc. and Custom) – Create and use Custom directive.

Module 5: Binding and Pipes

- Types of Angular Binding (One-Way, Two-Way, Event Binding etc. etc.)
- Event Handling
- Transforming Data Using Built-in Pipes
- Creating Custom Pipes

Module 6: More on Component (Best practices)

- Strong Typing & Interfaces
- Encapsulating Styles
- Life-cycle hooks of component
- Relative Path and Module Id – Code
- Debugging Techniques
- Building Nested Components
- what is Nested Components
- Communication among the Nested Components
- @Input, @Output
- Passing Data to a Component
- Passing Data from a Component

Module 7: Services and Dependency Injection

- Angular Service Introduction
- Building a Service
- Dependency Injection in Angular
- Injecting a service
- Displaying data from Service

Module 8: Consuming server side (JSON) data Using HTTP

- Client-Server Architecture Discussion
- Retrieving Data using HTTP
- Get Data from another domain
- Observable & RxJS
  (Reactive Extension Concept)
- Promise vs Observable
- Exception Handling

Module 9: Navigation and Routing Basics

- Routing Concepts
- Routing Configuration
- Routes to Acting Tying
- Passing Parameters to Route

Module 10: Navigation Routing Advance Techniques

- Routes Protection & its Requirement in Web App
- Types of Guards
- Building Guard
- Registering a Guard
- Implementing Guard in Parametric Routes

Module 11: Forms

- Controls
- Control groups
- Template driven Forms
- Reactive Forms

Assignment list

Content management and planning software

for bloggers and inbound marketers

Add dynamic status bars (order updates, etc)

to transactional email.

Fitness Social Platform.

WORDPRESS

Module 1: Fundamental of JavaScript

Module1: Installation and Introduction
Install WordPress Form C-Panel
Introducing WordPress as a CMS
Module2:
WordPress Overview
WordPress Dashboard
Installing New Theme
Writing first blog post
Adding Categories
Adding media files
Adding Pages
Adding Comments
Exploring Appearance menu
Adding new plugins
Adding new users
Settings of WordPress

Module3: Design a Website in Wordpress

Changing overall look and feel of WordPress theme
Adding pages by Elementors
Adding Contact us form
Adding Privacy policy

Module4: Essential WordPress Plugins

Securing site with SSL
Backing up WordPress site
WordPress SEO with Yoast
Site Speed Plugins
Conversion and Call to Action Plug-in for lead generation
Using image compressors plugins
Other Paid and Free Plugins
Module5: Migrating WordPress site on live hosting server

ASSIGNMENT LIST

BUILD A JAVASCRIPT CLOCK

BUILD A JAVASCRIPT TIP CALCULATOR

BUILD A JAVASCRIPT ANIMATED NAVIGATION

TOGGLE

BUILD A JAVASCRIPT MAP

BUILD A JAVASCRIPT MOUSEOVER ELEMENT

BUILD A JAVASCRIPT LOGIN AUTHENTICATION

BUILD A JAVASCRIPT TO-DO LIST

BUILD A JAVASCRIPT QUIZ

CREATE SOME SLIDING JAVASCRIPT DRAWERS

Assignment list

Design Like a TV channel site (Navigation)

Fund management system (Navigation)

Hospital administration system (Navigation)

Conference Registration and Management.

(Navigation)

Learning Management System (Navigation)

InterCollege Networking. (Navigation)

Creating a Personal Blog Page with Wordpress

Creating a Designer's Portfolio with WordPress

Converting a WP Fitness theme in an actual site

Landing page design for an education company

Using conversion extensions in a WordPress page.