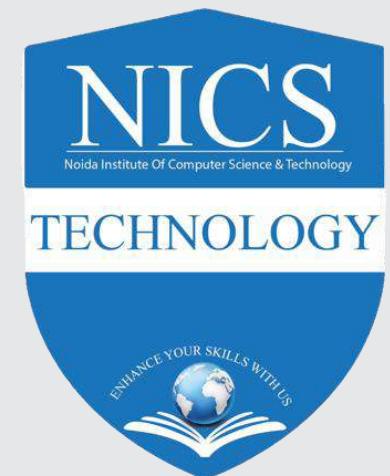




A Right Career Choice  
Can Give Your Dreams The  
**Wings To Fly**



**Empowering the Future Generation**



## About Us

NICS Technology provides high quality IT training courses. Training is an important step in advancing your career and attaining professional goals. So, To help you make career ready with corporate requirements we will be nurturing you throughout. We are available on physical as well as virtual mode. Our team is comprised of learning professional, subject matter and IT professionals.

Launched in 2013, At NICS we provides wide range of IT training to boost up your career. Varieties include Fullstack, Frontend, Backend, Laravel, Java, React, Flutter, PHP, Networking, Digital Marketing, Web designing, Mobile Applications Development (IOS, Android) etc. To help you achieve better recognition in this competitive world.



## About NSDC

NSDC aims to promote skill development by catalyzing creation of large, quality and for-profit vocational institutions. Further, the organisation provides funding to build scalable and profitable vocational training initiatives. Its mandate is also to enable support system which focuses on quality assurance, information systems and train the trainer academies either directly or through partnerships. NSDC acts as a catalyst in skill development by providing funding to enterprises, companies and organizations that provide skill training. It also develops appropriate models to enhance, support and coordinate private sector initiatives. The differentiated focus on 37 sectors under NSDC's purview and its understanding of their viability will make every sector attractive to private investment.



## About NIELET



National Institute of Electronics & Information Technology (NIELIT), (erstwhile DOEACC Society), an Autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MoE&IT), Government of India, was set up to carry out Human Resource Development and related activities in the area of Information, Electronics & Communications Technology (IECT). NIELIT is engaged both in Formal & Non-Formal Education in the area of IECT besides development of industry oriented quality education and training programmes in the state-of-the-art areas. NIELIT has endeavoured to establish standards to be the country's premier institution for Examination and Certification in the field of IECT. It is also one of the National Examination Body, which accredits institutes/organizations for conducting courses in IT in the non-formal sector.



Gaurav Sengar

## Director's Desk

**NICS Technology Technical Education, through Diploma, Master-diploma, Certificate courses has been the doorway to careers for innumerable youth in the leading light of knowledge for achieving glorious heights in life.**

**Technology for great growling engine of transform in our real-world congestion control System**

# software Engineering course



Would You Like To  
Become A  
Data Scientist ?

# Algorithms Designing With C Language

Introduction

Data Science and Industries

Software Installation

Programming Tools

Programming Tools

Token , Identifier,  
Character set, Key words  
Variables

Data Types

String, Integer, Floating  
Doubling, Character Sequence

Operators

Arithmetic, Assignment,  
Logical, Bit wise,  
Relational, Comparison

Conditional Statement

If-Else, Else-If,  
Nested If

Control Statement

While Loop,  
For Loop,  
Nested Loop

Character Sequence

List, Tuple,  
Dictionary, Set

Function

User Define function,  
Built-In function

Ops Concept

class, object, Data abstraction  
Encapsulation, Inheritance,  
Polymorphism

Constructor

Non-Parametrized  
Parameterized

Inheritance

Single, Multilevel, Multiple  
Hierarchical , Hybrid

Polymorphism

Function Overloading  
Function Overriding

File Handling

NumPy

Pandas

Matplotlib

TKinter

NumPy

Pandas

Matplotlib

# Algorithms Designing With C++ Language

## Introduction

About OOP'S Language,  
Difference between C & C++

## OOP'S Concept

Features of OOP'S,  
Description of :

- a)Class Object b)Inheritance
- c)Polymorphism d)Data Abstraction
- e)Encapsulation

## Inheritance

Definition, Types of Inheritance  
  
a)Single b)Multiple  
c)Multilevel d)Hierarchical  
e)Hybrid

## Polymorphism

Function Over loading,  
Abstract class,  
Operator Over loading

## Class & Object

Definition,  
Access Modifiers,  
Test Case with Example

## Constructor & Destructor

Definition,  
Scope of Constructor,  
Advantages & Disadvantages,  
Test Case with Example

## String

String Class,  
Function & Purpose

## File

- 1)Definition
- 2)Function of String

## Special Function

inline Function,  
Friend Function,  
Virtual Function

## Exception Handling

Types of Exceptions,  
Try, Catch, Throw,  
Robust Features

## Queue

Simple Queue, Deque,  
Circular Queue

## Stack

Register Stack,  
Memory Stack,  
Stack Pointer

## Data Structure Introduction

Algorithm Design technique

## Linked List

Single Linked List,  
Doubly Linked List,  
Circular Linked List

## Tree

General Tree,  
Binary Search Tree,  
Binary Tree,  
AVL Tree

## Graph Theory

Simple Graph,  
Finite and Infinite Graph,  
Trivial Graph, Multi Graph

# Algorithms Designing With java Language

## Introduction

About Java , JVM & Architecture,  
Features of Java,  
Software Installation Process

## OOP'S with Java:

OOP'S concept, Class & Object,  
Constructor This & Super Keywords,  
Inheritance, Polymorphism, Interface,  
Abstract & Final class & Keywords

## Exception Handling:

About Exception,  
Trycatch, throw, throws, finally Keywords,  
Checked & Unchecked Exceptions,  
Own Exceptions ( Virus Making),

## Multithreading:

Introduction, Process & States,  
Dead lock Prevention,  
Thread using Inheritance,  
Thread using Interface,

## Swing:

Introduction about Frameworks,  
Swings Frameworks,  
Swings Component,  
UI designing using Tools,  
Event Listeners,

## JDBC:

Introduction of Database,  
About Oracle / MY SQL Platform,  
Connectivity between UI & Database,  
SQL Query with JDBC,

## Package:

Introduction of Package,  
Custom Package

## I / O Package:

Introduction of Input Output,  
I/O Classes

## Collection

Collection Framework, List Interface,  
ArrayList and Vector, LinkedList,  
HashSet, HashMap  
Comparable and Comparator

## String

String Classes,  
String Buffer Class,  
String Builder Class,  
Methods of String Class,  
Mutable & Immutable,

## Project Work:

J2SE ERP DEVELOPMENT

# Algorithms Designing With python Language

Introduction

Data Science and Industries

Software Installation

Mysql

Programming Tools

Token , Identifier,  
Character set, Key words  
Variables

Data Types

String, Integer, Floating  
Doubling, Character Sequence

Operators

Arithmetic, Assignment,  
Logical, Bit wise,  
Relational, Comparison

Conditional Statement

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Built-In function

Oops Concept

class, object, Data abstraction  
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Polymorphism

Constructor

Non-Parametrized  
Parameterized

Inheritance

Single, Multilevel, Multiple  
Hierarchical , Hybrid

Polymorphism

Function Overloading  
Function Overriding

Exception Handling

File Handling

NumPy

Pandas

Matplotlib

TKinter

# Web Development with Angular

Introduction

Angular Installation

Features of Angular

Angular Version

Angular Apps loadings

Angular Architecture

Angular Directives

Data Binding

Property Binding

String Interpolation

Event Binding

Angular Form

HTML

CSS

# Java Full stack Developer

Algorithms Designing with Java language

Web Development with Java

Spring Framework

Hibernate

Spring MVC

Spring BOOT

Microservices

# Web Development with Java

HTML

CSS

Web Technology

Software Installation

JSP

Scripting Elements  
Implicit Object  
Directive Elements  
Exception Handling  
Action Elements  
MVC, JSTL, CURD Application  
Project Work

Servlet

Servlet Request  
Servlet Collaboration  
Config, Context  
Session Tracking  
Cookies, Filter  
CURD Application  
Project work

MySQL

eclipse IDE  
Apache Tomcat Server  
MySQL Database

## PHP Full Stack Developer

Web Development with PHP

Bootstrap

jQuery

Graphics Design

Web Development with React

# Web Development with ReactJS

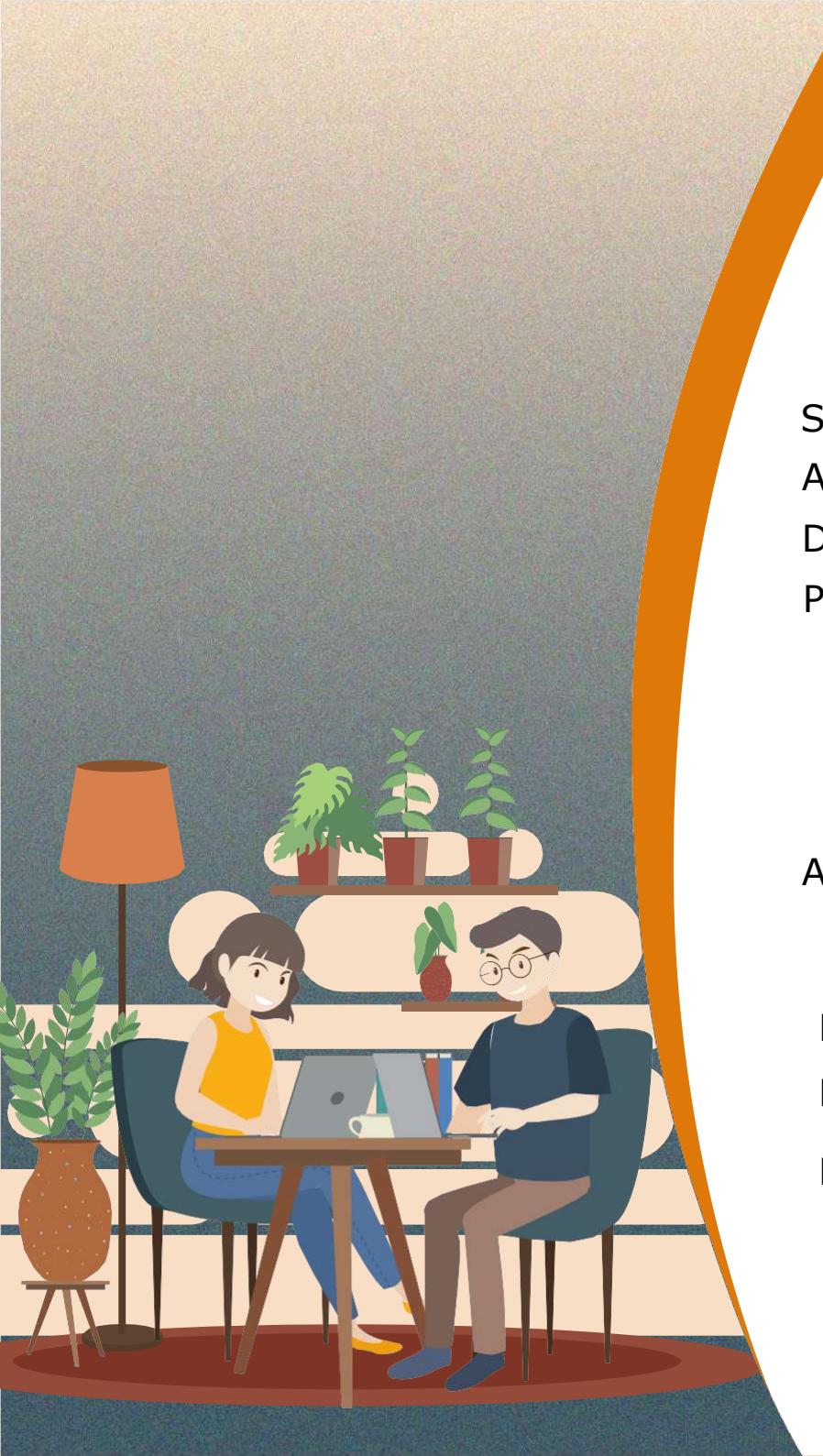
Introduction,  
React Version  
React Native  
React Vue  
React Props  
React Forms Controlled vs Uncontrolled  
Conditional Rendering  
React Fragments  
React Animation  
React Flux Concept

React Installation  
Pros and Cons

React State  
React Props Validation  
React Lists  
React Router  
React Bootstrap  
HTML

Features of Reacts  
React Components

API Component Life Cycle  
React Events  
React Keys  
React CSS  
React Map  
CSS



# Corporate Training (3rd Year Students Plan)

MAY & DECEMBER

15 Days Training After Completion of Examination

Software Role in Corporate World Seminar

Algorithm Design Technique

Database Management For Corporate

Project Design Step:

1 Business and its Modules  
2 i SRS and DFD Design  
3 i E-R Diagram Design  
4 i Documentation, Draft, Deliverable, Cost Optimizations  
5 i Module Design and Unit Testing,  
6 i Module Integration and Testing

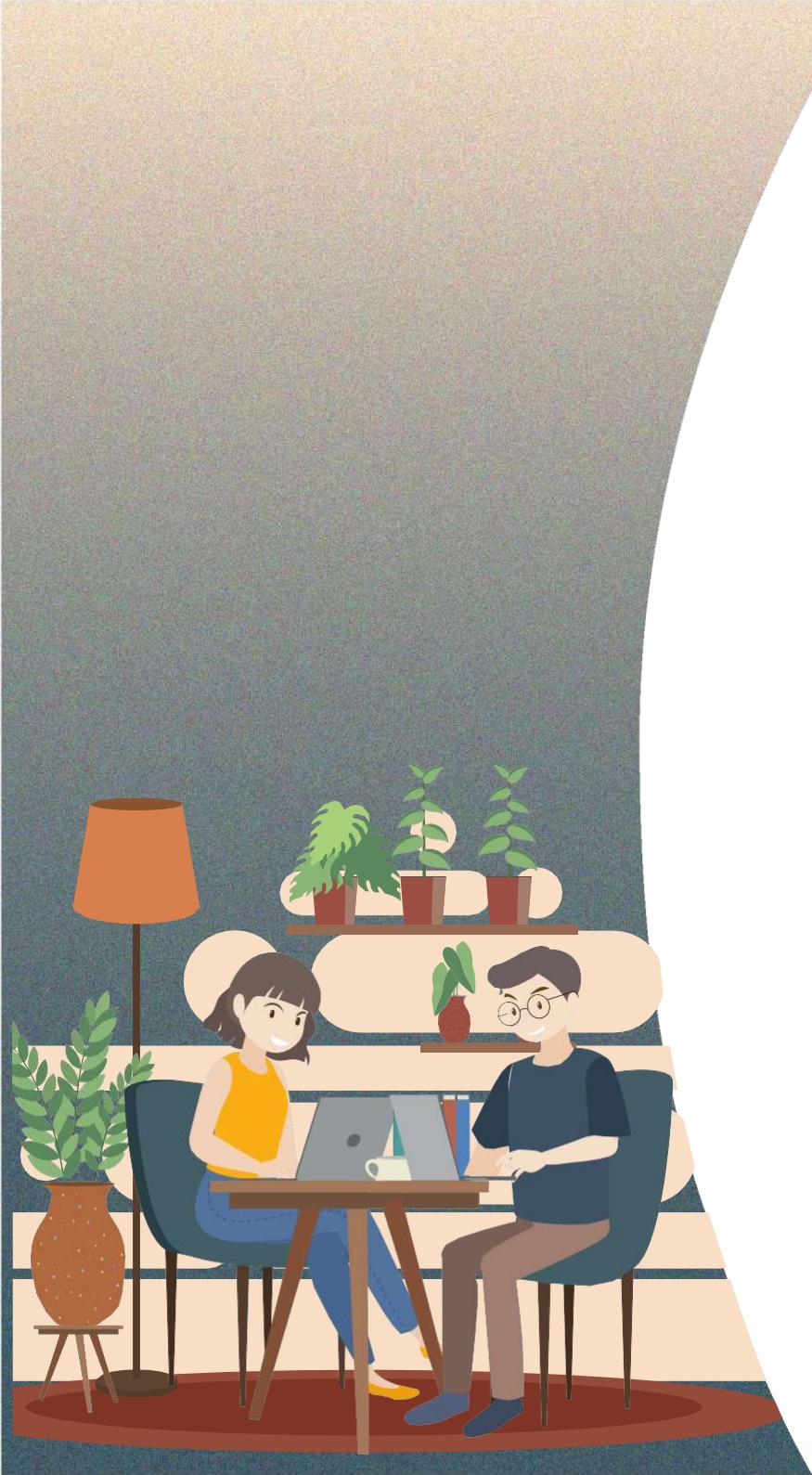
Assignment Deliverable:

1 i Distributed Requirement 2 i Explain Project

Develop Project Practically

Final Project and Run

Doubt Class & Certificate Distribution



## 4-Year Training plan in Python

### 1st Year :--

- 1i Software and Industries
- 2i Python With AI

### 2nd Year :--

- 1i Data Structure using Python
- 2i OOP's using Python-

### 3rd Year :--

- 1i Database Management
- 2i Optional-I

### 4th Year :--

- 1i optional-II
- 2i Project(with Internship Certificate)
- OPTIONAL : I
- 2i Django i 3i Data Science using Python 4i Machine Learning
- OPTIONAL : II
- i Big Data(Hadoop) 2i MongoDB
- 3i AI(Machine Learning and Deep Learning)

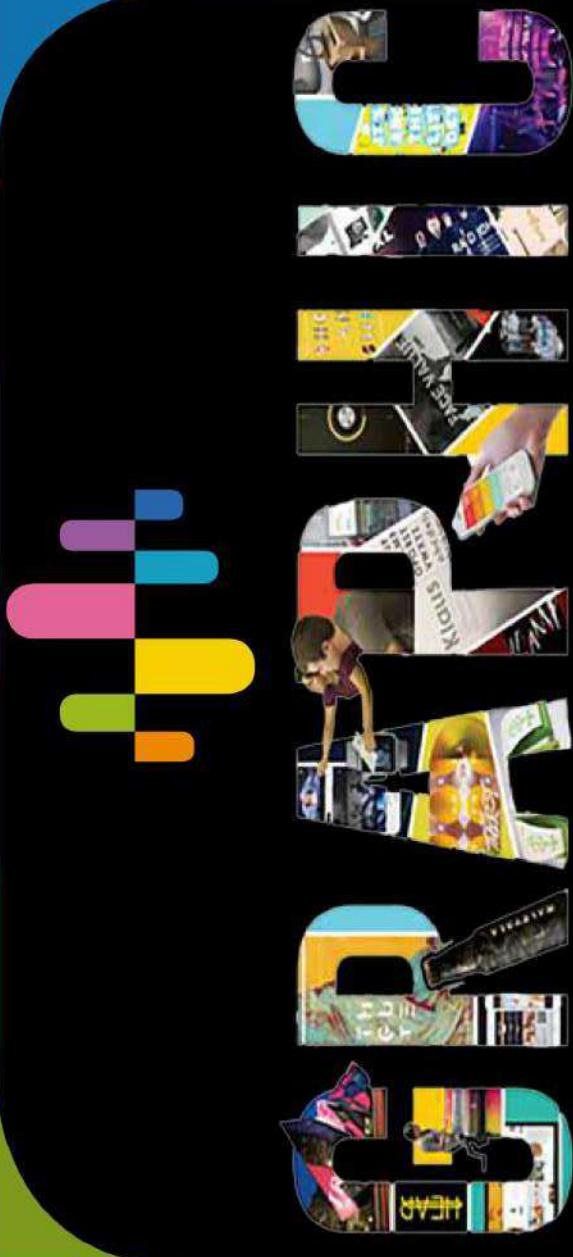
Note :-- Every Year 5H Extra Session Based On Latest Technology and Market.

# NICS

Noida Institute Of Computer Science & Technology

## TECHNOLOGY

# DESIGN BROCHURE



# Corel DRAW Graphics Course

CorelDRAW is the name of a vector graphic software program from Corel that dates back to the 1980s and also the name of a graphics suite that includes CorelDRAW. Several versions of the CorelDRAW suite are available for home and professional users. A short note on CorelDRAW history on Corel's explains the product's evolution.

## CorelDRAW and Vector Graphics

When CorelDRAW was released in the late 1980s, it was among the first tools to offer color vector-graphic editing capabilities on a desktop computer. Vector graphics refer to illustrations created as relationships between points, lines and curves. Other graphics programs create images pixel by pixel, specifying the location and color of the

image dot by dot. Those designs are known as raster graphics, and they are easier for some users to create and visualize. They're commonly used online and for printing, but they often don't scale as evenly as vector graphics.

Vector graphics have the advantage of being easy to expand or shrink without any loss of quality because the length of lines and curves and the placement of points can be scaled proportionally according to a grid. Vector graphics can also take up smaller file sizes on disk than raster graphics. They're often preferred by graphic designers. Other tools including Adobe Illustrator and the free, open-source tool Inkscape can all create and edit vector graphics in various formats.

## Corel DRAW Graphics Suite - Introduction Training Class Topics

### Training Mode:

- Regular
- Weekends (Sat/Sun)
- Only Sundays
- Online

#### 1. Various File Formats

- File formats for web (RGB - Red, Green & Blue)
- File formats for printing (CMYK-Cyan, Magenta, Yellow & Black)

#### 2. CorelDraw Learning Tools

- Interactive blend tools
- Interactive contour tool

- Interactive distortion tool
- Interactive drop shadow tool
- CorelDraw shapes
- Star tool
- Crop tool
- Eraser tool
- Knife tool



# Corel DRAW Graphics Suite

Duration: 02 Months

- Interactive fill tool
- Complex star tool
- Spiral tool
- Graph paper tool
- Interactive transparency tool
- Interactive extrude tool
- Interactive envelope tool

## 3. Corel Basics

- Pick tool - Move
- Pick tool - Skew
- Pick tool - Resize
- Corel text basics
- Simple wireframe
- Wireframe
- Behind / in front of
- Preview selected preview
- Zoom selected
- Fit in window
- Zoom all
- Basics graphics terms - ungroup
- Guidelines details
- Guidelines
- Outline
- Fill colour
- Fountain fill
- Corel fill types
- Angle & edge pad - Fountain fill
- Duplicate
- Select within group
- Corel text fill
- Import
- Draft Combine
- Group
- Combine & group
- Order / Forward / Black one

## 4. Corel Techniques

- Shaping basics
- Weld
- Weld to
- Weld to - target, source object
- Simplify
- Trim
- Front minus back
- Intersect
- Back minus front

## 5. Corel Draw Basics Effects

- Fit text to path basic
- Fit text to path intermediate

- Fit text to path advanced
- Removing text path basic
- Removing text path intermediate
- Blend rotation
- Add respective basic
- Add respective shape
- Blend different shapes
- Colour blending
- Blend steps
- Using power clips

## 6. Artistic Effects

- Sunset
- Chess board
- Explode
- Making precious stones
- Making rings
- Fashion designing
- Extrude project
- Pendant
- Simple web buttons
- Page curl

## 7.

- Cracked text effect
- Combine effect
- Shadows
- Big text
- Ray effect
- Drop shadow
- Line text
- Sliced text
- Contour effect
- Grid effect
- Adding effect

## 8. Design, Layout & Photos

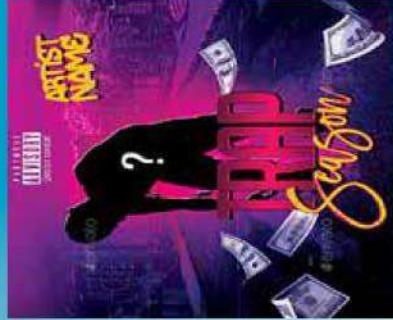
- Create beautiful bevels
- Tips for designing newsletter layouts
- How to create a newsletter
- Create perfect photo composites with the cutout lab
- Top 5 photo fixes using Corel photo-paint
- Tracing with Coreltrace
- Front minus back
- Intersect
- Back minus front

## 9. Printing in CorelDraw

- Printing Option (Output Setting)
- Print Previewing

## 10. Creating Styles & Templates

- Working with Styles and Templates
- Creating and applying different styles



## Career Options:

- Brands & Brands Identities
- Collage and Masking
- Backgrounds Designing
- Logo Designing
- Corporate Identity Design
- Designing Brochures & Catalogues
- Layouts for Newspapers
- Designing Magazines
- Designing of Publications
- Scanning Techniques
- Types of Scanners
- Post Script an Overview
- Checking Print Files
- Printing and Printers
- Trapping and Overprinting
- Paper Sizing
- Imposition or Pasting
- Costing Methods
- Dealing with Service
- Folding & Creasing
- Laminations
- Portfolio Development
- Booklet Design
- Book Setting
- Flyer Design
- Pamphlet Design
- Page Layout
- Banner Design
- Holding Design
- Visiting Card, Letter Head
- Sticker Design
- Label Design
- Digital Marketing Design
- Facebook Banner Design
- Web Site Banner Design
- Twitter Banner Design
- Google+ Banner Design
- Pinterest Banner Design
- Advertising Design
- Book Cover Page Design
- Poster Design
- Website Banner Design



# ILLUSTRATOR TRAINING COURSE

## ILLUSTRATOR TRAINING CLASS - INTRODUCTION: COURSE OVERVIEW

In this Adobe Illustrator course, you will learn how to use Adobe Illustrator to create high quality illustrations, logos, and other custom artwork. This is the entry-level of our Illustrator classes, and introduces you to the powerful Pen tool, discover how to transform existing shapes, and learn how to add color to drawn objects. You'll also use layers to organize your artwork, and explore the options for exporting Illustrator files.

All Illustrator courses at our training centers or at your location are led by a live instructor in the same classroom with you. If you do not want to travel to one of our classroom locations, we also offer live online Illustrator training.

## AUDIENCE FOR THIS TRAINING COURSE

This introductory Adobe Illustrator course is designed for media professionals with little to no prior knowledge of using Adobe Illustrator. Experienced Illustrator users with no formal training will also benefit from this class as tips, tricks, keyboard shortcuts and essential foundation skills are covered throughout this class. Users include fashion illustrators, graphic designers, user experience designers, video, and multimedia professionals, and more.

## TRAINING COURSE CURRICULUM

This training course uses lesson files and content from the Illustrator Digital Classroom, which was written and created by our instructors. These training courses are offered by the same instructors that write this best-selling series.

## WHAT YOU'LL LEARN IN THIS TRAINING COURSE

- The Illustrator workspace
- Working with color
- Gradients and additional color options
- Placing text on a path
- Essential Illustrator tools and panels
- Using the drawing tools
- Adding and formatting text
- Working with layers

## ADOBE ILLUSTRATOR TRAINING COURSE - INTRODUCTION TOPICS

## Training Mode:

- Regular
- Weekends (Sat/Sun)
- Only Sundays
- Online

# Adobe Creative Cloud Illustrator

Duration: 02 Months

## Lesson 1: Using the workspace

- Exploring the interface
- Choosing a workspace
- Opening a file
- Using artboards
- Changing your view
- Zooming and scrolling
- Using tools and panels
- Exploring the Control panel
- Working with panels and the dock

## Lesson 2: Learning essential skills

- Using the shape tools
- Repositioning and resizing shapes
- The Transform panel
- Constraining a shape
- Entering exact dimensions
- Selecting artwork
- Using the shape and transform tools
- Introducing layers
- Cutting and pasting objects
- Repeating transformations

## Lesson 3: Adding color

- Exploring the Appearance panel
- Changing colors
- Adding effects
- Using Live Paint
- Adding a symbol
- Saving swatches
- Selecting the same color
- Creating a color group
- Using the Color panel
- Adding Pantone colors

## Lesson 4: Using the drawing tools

- Understanding the Pen tool
- Straight, curved and hinged lines
- Tracing images
- Creating a tracing template
- Working with Image Trace
- Using the Line, Pencil and Eraser tools
- Editing existing paths
- Adding and removing points
- Cutting and joining paths
- The Shape Builder

## Lesson 5: Additional color options

- Adding tonal values with gradients
- Customizing an existing gradient
- Saving a gradient

- Using the Gradient panel
- Updating a gradient
- Creating a pattern
- Applying a pattern
- Editing a pattern
- Locating existing patterns
- Using the Color Guide

## Lesson 6: Adding and formatting text

- Formatting text
- Paragraph formatting
- Using paragraph and character styles
- Editing styles
- Putting text on a path
- Warping text
- Putting text in a shape
- Creating outlines
- Checking spelling
- Using Find and Replace

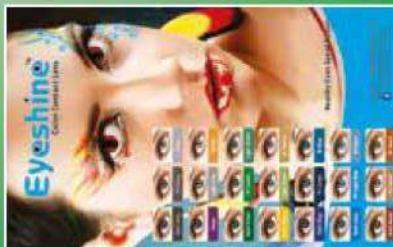
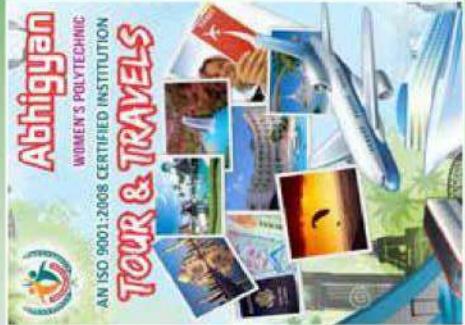
## Lesson 7: Using layers

- Getting to know the Layers panel
- Using layers to organize an illustration
- Selecting using the Layers panel
- Creating new layers
- Showing and hiding layers
- Locking and unlocking layers
- Rearranging layers
- Moving items between layers
- Remembering layers when pasting
- Creating a template layer



## Career Options:

- Brands & Brands Identities
- Collage and Masking
- Backgrounds Designing
- Logo Designing
- Corporate Identity Design
- Designing Brochures & Catalogues
- Layouts for Newspapers
- Designing Magazines
- Designing of Publications
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- Sticker Design
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- Digital Marketing Design
- Facebook Banner Design
- Web Site Banner Design
- Twitter Banner Design
- Google+ Banner Design
- Pinterest Banner Design
- Advertising Design
- Book Cover Page Design
- Poster Design
- Website Banner Design





## ADOBE INDESIGN TRAINING COURSE - INTRODUCTION

In this introductory InDesign training class you learn to create designs for print, tablets, and PDF presentations by taking advantage of a superior design environment that includes advanced typographic controls and intuitive graphic features. You will also find techniques that will help to make your publications look polished and professional.

## AUDIENCE FOR THIS TRAINING COURSE

This introductory Adobe InDesign course is designed for media professionals with little to no prior knowledge of using Adobe InDesign. Advanced InDesign users with no formal training will also benefit from this class as tips, tricks, keyboard shortcuts and essential foundation skills are covered throughout this class.

## WHAT YOU'LL LEARN IN THIS TRAINING COURSE

- InDesign workspace and tools
- Working with text, type and styles
- Creating and importing tables and tabular data
- Building documents with Master Pages
- Working with graphics and colors
- Preparing your documents;

## Training Mode:

- Regular
- Weekends (Sat/Sun)
- Only Sundays
- Online

### 1. InDesign Essential Skills

- InDesign tools
  - The InDesign workspace
  - The document window
  - Using guides
  - Viewing modes
  - Working with panels
  - Managing panels
  - Saving your workspace
  - Working with the Control panel
  - Navigating through a document
- Planning your document
- Creating a custom-sized document
- Formatting master pages
  - Using text variables
  - Basing master pages on other masters
  - Overriding master page items
  - Adding layout pages
  - Placing formatted text
  - Adding images and text to master pages
  - Applying masters to pages

### 2. Building InDesign Documents with Master Pages

- Planning your document
- Creating a custom-sized document
- Formatting master pages
  - Using text variables
  - Basing master pages on other masters
  - Overriding master page items
  - Adding layout pages
  - Placing formatted text
  - Adding images and text to master pages
  - Applying masters to pages

# Adobe Creative Cloud InDesign

Duration: 01 Months

## 3. Working with Text and Type in InDesign

- Creating a text frame
- Inputting text
- Changing character attributes
- Changing paragraph attributes
- Finding and changing text
- Checking and correcting spelling
- Using the Glyphs panel
- Creating Glyph sets
- Flowing text
- Threading text between frames

## 4. Working with InDesign's Styles

- Style types
- Defining paragraph styles
- Applying paragraph styles
- Defining character styles
- Applying character styles
- Updating styles
- Loading styles from another document
- Organizing styles into groups
- Creating object styles
- Applying object styles

## 5. Working with Graphics in InDesign

- How InDesign handles graphics
- Locating missing images
- The Links panel and Link badge
- Creating a graphic frame
- Adding graphics
- Repositioning graphics
- Fitting graphics to frames
- Placing multiple graphics
- Wrapping text around graphics
- Importing layered Photoshop files

## 6. Creating and Using InDesign Tables

- Creating a table
- Copying and pasting table information
- Adding text to tables
- Converting tables and text
- Importing a table
- Editing table options
- Using cells
- Merging cells
- Defining columns and rows
- Using graphics in cells

## 7. Using Color in Your InDesign Documents

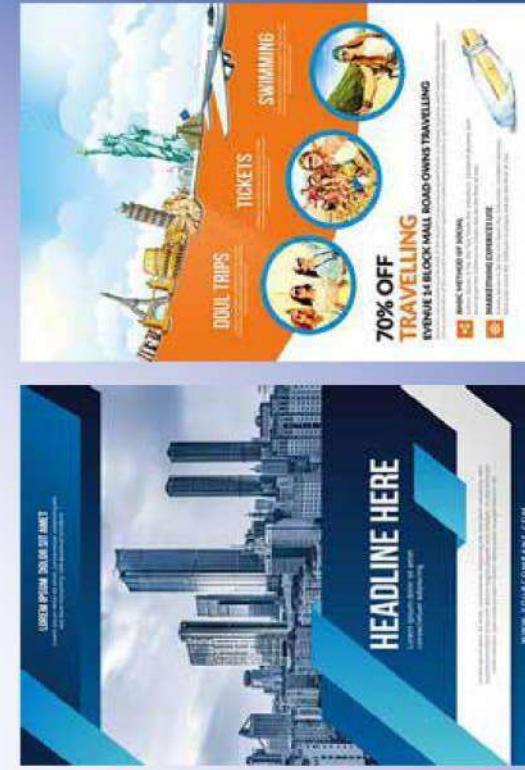
- Applying color to text
- Applying color to frames
- Creating and saving a new swatch
- Applying Live Corner Effects
- Applying strokes to text
- Creating a tint reduction
- Working with gradients
- Using the Eyedropper
- Updating and editing colors
- Using and saving spot colors

## 8. Preflighting, Printing and PDF creation from InDesign

- Package inventory
- Actual vs. effective resolution
- Preflight checks
- Packaging your document
- Package options
- Creating a PDF
- Adobe PDF Presets
- PDF Export Options
- Separation preview
- Printing a proof

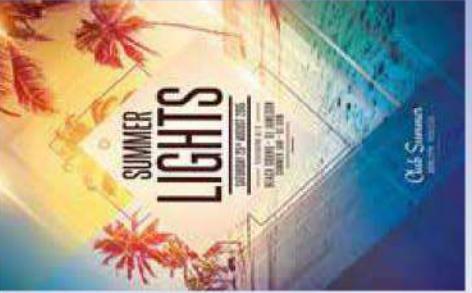
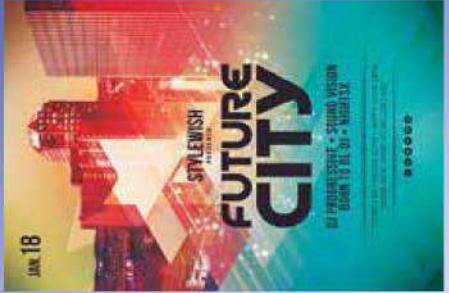
## 9. Adobe InDesign New Features

- About the new features
- Content Collector
- Linked content
- Liquid Layouts
- Alternate layouts
- PDF forms
- Primary text frame
- ePub enhancements



## Career Options:

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- Twitter Banner Design
- Google+ Banner Design
- Pinterest Banner Design
- Advertising Design
- Book Cover Page Design
- Poster Design
- Book Layout
- Magazines Layout
- Poster Design



# PHOTOSHOP TRAINING

## Introduction to Photoshop Training Class

Introductory Photoshop class is recommended for all levels of Photoshop users and is the entry level of all our Photoshop classes. In this Photoshop course you will learn how to properly use Photoshop's tools, discover how to retouch and color correct photographic images, as well as receive an introduction to professional imaging workflows. Advanced Photoshop users with no formal training will also benefit from this class as tips, tricks, keyboard shortcuts and essential foundation skills are covered throughout this class.

## Audience for this Training Course

This course is designed for media professionals who have little experience working with Photoshop. Advanced Photoshop users with no formal training will also benefit from this class as tips, tricks, keyboard shortcuts and essential foundation skills are covered throughout this class.

## What you'll learn in this training course

- Tools and Workspace
- Image editing
- Selection techniques
- Color Correction
- Production tips and tricks
- Using Bridge with Photoshop
- Painting and Retouching
- Layers and Masking

## Adobe Photoshop - Introduction Training Class Topics

### Training Mode:

- Regular
- Weekends (Sat/Sun)
- Only Sundays
- Online

## Module 1. Navigating Photoshop CS6

- Workspace, Tools, and Panels
- Opening an existing document in Mini Bridge
- Discovering the Tools panel
- Accessing tools and their options
- Using panels
- Customizing your panels
- Hidden tools
- Navigating the image area
- Using the Zoom features
- Maximizing productivity with screen modes

## Module 2. Organizing and Managing your Files with Adobe Bridge

- Navigating through Bridge
- Using folders in Adobe Bridge
- Making a Favorite
- Creating and locating metadata
- Opening a file from Adobe Bridge
- Searching for files using Adobe Bridge
- Saving a Collection
- Automation tools in Adobe Bridge

## Module 3. Making Selective Changes in Photoshop CS6

## Adobe Creative Cloud Photoshop

Duration: 02 Months

- The importance of a good selection
- Using the Marquee tools
- Changing a selection into a layer
- Working with the Magic Wand tool
- The Lasso tool
- Adding to and subtracting from selections
- Adding to and deleting from the selection
- Saving a selection
- Feathering a selection
- Using the Quick Selection tool
- Making difficult selections with the Refine Edge feature

### Using Quick Mask

- Copying and pasting a selection
- Using the Pen tool for selections
- Converting a path to a selection

## Module 4: Painting and Retouching

- Setting up your color settings

### Color primer

- Understanding color gamut.

### The RGB color model

### The CMYK color model

### Editing color settings

### Selecting colors

### Starting to paint

### Using the Color panel

### Using the Brush tool

### Changing opacity

### Using the Brush Presets

### Using the Airbrush feature

### Applying color to an image

### Changing blending modes.

### The Eyedropper tool

### Retouching images

### Using the Clone Stamp tool

### Repairing fold lines

### The History panel

### The Spot Healing Brush

### The Healing Brush

### Using the Patch tool

### Using the Clone Source panel

### Cloning from another source

## Module 5: Color Correcting an Image

- Choosing your color settings
- Working in RGB
- Reading a histogram
- Making the Curve adjustment
- Defining the highlight and shadow.

- Locating the White and Black Point
- Inputting the white and black point values
- Adjusting the midtones
- Setting the neutral
- Sharpening your image
- Taking care of red eye
- Using the Camera Raw plug-in
- Using Camera Raw controls
- Saving a DNG file
- Reopening a DNG file

## Module 6: Using Content-Aware Tools in Photoshop

- Adding image area
- Viewing the on-screen ruler
- Converting the Background into a layer
- Scaling the background
- Content-Aware Fill
- Content-Aware Move
- Content-Aware retouching

## Module 7: Introduction to Photoshop

### Layers

- Discovering layers
- Selecting layers
- Moving layers
- Changing the visibility of a layer
- Using masks in a layer
- Preserve transparency
- Creating a composition
- Moving images in from other documents
- Creating a layer mask.
- Editing the layer mask
- Cloning layers
- Aligning and distributing layers
- Applying filters to layers
- Creating a type layer
- Applying a layer style
- Creating a clipping mask
- Filtering your layers



## Career Options:

- Photo Effect
- Hair Cutting
- Product Design
- Photo Lens
- Album Design
- Poster Design
- Web Banner Design
- Logo Design
- Colour Change
- Background Remove
- Design to Photo from
- Vintage Photo Effect
- Realistic Water Reflection
- Crack and Peel
- Cool Halftone Effect
- The little mermaid Photo Effect
- Photo Editing / Retouching
- Retouch Images with Frequency Separation
- Black & White Filter
- Wrinkle Reduction
- Amazing Summer Flyer Design
- Textures & Blending Modes in Photoshop
- Photographic Tones Good for Photo Re-Touch
- Quick Effects to Photos
- Create Extraterrestrial Self Portrait
- Skin Effect

