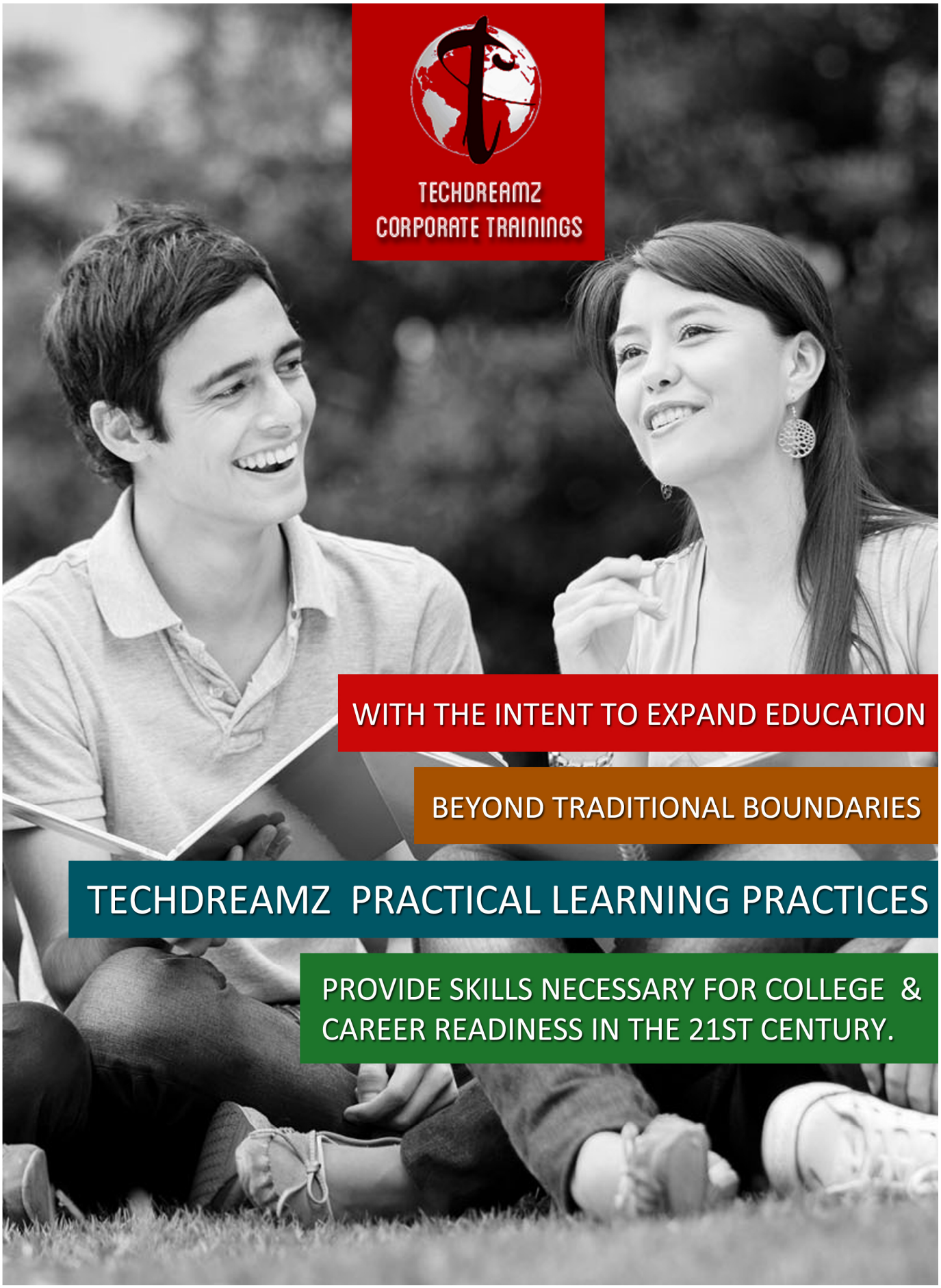

TECHDREAMZ
CORPORATE TRAININGS
WITH THE INTENT TO EXPAND EDUCATION
BEYOND TRADITIONAL BOUNDARIES
TECHDREAMZ PRACTICAL LEARNING PRACTICES
PROVIDE SKILLS NECESSARY FOR COLLEGE &
CAREER READINESS IN THE 21ST CENTURY.

Carrier Crash Courses

Web Designing (3 Months)

PART 1: Web Design Fundamentals

A survey of Web design and development techniques and technologies, fundamental concepts, terms, and best practices involved in professional web design. Students will examine popular web development tools, server-side software solutions, content management solutions, and cloud-based software, providing a high-level overview of the world of Web publishing.

- Understanding web page technologies, such as HTML, JavaScript, CSS, and Flash
- Exploring the different disciplines of web design
- Reviewing industry standard design tools such as Dreamweaver, Coda, Flash, and Photoshop
- Organizing web content
- Making web content accessible
- Comparing server-side solutions such as PHP, ColdFusion, .NET, and JSP
- Creating interactive content with AJAX and Flash
- Registering domains and hosting sites

PART 2: HTML Fundamentals

- What is HTML?
- Using HTML tags and containers
- Understanding block vs. inline tags
- Controlling line breaks and spaces
- Aligning images
- Linking within a page
- Using relative links
- Working with tables
- Forms Creation

PART 3: CSS Fundamentals

- Understanding basic selector types
- Integrating CSS with HTML
- Examining browser rendering differences
- Exploring CSS specifications
- Checking browser support
- Understanding the box model
- Adjusting margins and padding
- Positioning elements
- Exploring basic layout concepts

PART 4 : Javascript Fundamentals

- Structure of JavaScript code
- Creating variables, functions & loops
- Writing conditional code
- Working with different variable types and objects
- Creating and changing DOM objects
- Event handling
- Debugging JavaScript
- Building smarter forms
- Using regular expressions

LIVE MINOR PROJECT LIVE URL

[using Basic Web Technologies -HTML, CSS and Javascript]

PHOTOSHOP (3 Months)

In *Photoshop Training*, students will learn how to produce high-quality images in a short amount of time, using Adobe Photoshop.

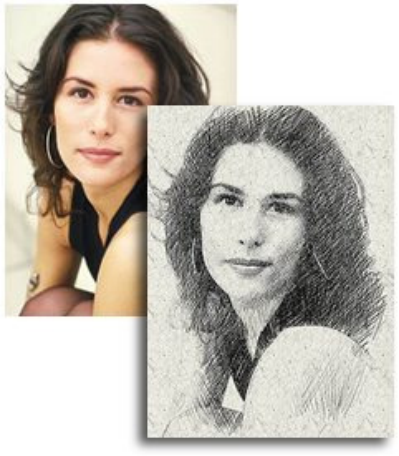
The course details the Photoshop features and creative options, and shows efficient ways to perform common editing tasks, including noise reduction, shadow and highlight detail recovery, retouching, and combining multiple images. Along the way, the course explores techniques for nondestructive editing and compositing using layers, blending modes, layer masks, and much more.

- Getting Started with Photoshop
- Photoshop's Toolbox
- The Power of Layers
- Photoshop's Filters
- Layer Styles in Photoshop
- Adjustment Layers
- Retouch and Healing Tools
- Introduction to the Type Tool
- How to Use The Free Transform Tool
- Master Photoshop Selection Tools
- Installing and Managing Brushes And Other Presets
- Photoshop Actions

The training will include various interesting cool effects like shown below

Photoshop Light Effect	
Smoke Type	
Typography Wallpaper	

Fire Effect in Photoshop	
Comic Book Effect	
Urban Ink Photo Effect	
Singing Apple Photoshop	

Avatar Effect	
Pencil Effect	

And many More….

FLASH (3 Months)

Adobe Flash is still the leading way to create animations, games and presentations that can be viewed on any computer and countless mobile devices. It's also an incredibly popular way to share high quality video. Now in this course for Beginners, you'll learn how to work within the application to create impressive visuals for interactive animations, website interfaces and streaming online videos with usable controls.

The Adobe Flash course is a beginner-friendly guide to multimedia creation using the program's professional features. You'll learn how to work in Flash from the most basic creation of a project to adding layers, working with the timeline, adjusting colors, importing graphics, introducing interactivity and more. It could take years to learn such a wide range of skills on your own, but in this guided course you can learn how to put your videos, animations and presentations online in a matter of weeks.

Take this Adobe Flash Training course and learn how to create awesome animation with flash.

- INTRODUCTION TO FLASH
- WORKING IN THE FLASH ENVIRONMENT
- WORKING WITH COLORS - GRADIENTS AND SHAPES
- WORKING WITH THE FLASH LIBRARY
- WORKING FLASH TEXT
- IMPORTING GRAPHICS INTO FLASH
- WORKING WITH FLASH ANIMATION: FRAME-BY-FRAME
- WORKING WITH CLASSIC TWEENING
- WORKING WITH MASKS
- APPLYING FILTERS, BLEND MODES, AND MASKS
- INTEGRATING AUDIO
- WORKING WITH VIDEO IN FLASH
- USING ACTIONSCRIPT CODE SNIPPETS
- CONFIGURING SWF AND HTML PUBLISH SETTINGS
- PUBLISHING WITH AIR

TOON BOOM (3 Months)

3d Animation and Character Animation

This course is an introduction to creating and animating cutout characters in Toon Boom Animate. The students will learn how to use the Toon Boom toolset to create cutout characters, and explains how to leverage a few rules of traditional animation to help bring the characters to life. He shows how to create mouth shapes for dialogue, add realistic eye movement, and animate a full cycle. The final chapter shows how to create foreground and backgrounds for your character and export a simple, animated scene.

- Working with the timeline
- Customizing your workspace
- Importing images to use as the basis for an animation
- Understanding how pen pressure affects brush strokes
- Adding color with swatches
- Creating multiple versions of a single character
- Drawing the head and body
- Creating phonemes for lip sync
- Rigging your character
- Using motion key frames
- Creating pegs
- Animating the legs and arms
- Importing and editing sound
- Using squash and stretch and other animation principles
- Saving your character as a template

ETHICAL HACKING (3 Months)

Time for some masti. Has your school, college or company blocked access to everything cool & fun on the Internet (like Facebook, YouTube, Chat etc) and made your life miserably boring? Is the Govt trying to censor the Internet & block access to your favorite websites? This Course is sure to come to your rescue. Using the 100+ new techniques in this course you are guaranteed to be able to unblock the following in your school, college and country.

After doing this short term course, not only will students be able to protect their Windows system against the most common vulnerabilities, loopholes and threats, but will also be able to play cool tricks to impress their friends. A fun and light learning that will also make the student more aware of Windows-related security issues and practices.

- UNBLOCK Internet
  - Social Networking Sites (Face book, Twitter etc)
  - Video Streaming Sites (YouTube, Metacafe etc)
  - Cricket Scores.
  - Chat Software
  - Career Websites.
  - Torrents
  - USB Ports.
  - Download & Speed Limits.
  - Torrents

  And just about everything else that is blocked!
- EMAIL Hacking
- Hacking Mobile Phone- Security Tips and Tricks
- Improve Your Digital Life
  - Send an email in the future
  - Fake an incoming call on your mobile phone
  - Catch a cheating partner red-handed!
  - Remember where you parked your car
  - Block inappropriate websites from your kids
  - Automate tasks on your mobile phone
  - Hide files inside photographs!

  And many more….

- Windows Hacking
  - How to Back Up the Windows Registry
  - How to Customize the Startup Screen in Windows
  - How to Disable Windows Hotkeys
  - How to Remove the Arrow from Shortcuts
  - How to Disable Right Click on the Desktop and Explorer
  - How to Disable Right Click on the Taskbar
  - How to Disable Taskbar and Start Menu Properties
  - How to Customize the Start Button Right Click Context Menu
  - How to Change the Windows Start ORB button

- How to Remove the Windows Start ORB button
- Locking the Toolbars
- How to Customize the Right Click > New Menu Options
- How to Disable the SHUTDOWN, RESTART, SLEEP and HIBERNATE Buttons
- How to Disable the LOG OFF Option
- How to Create Shortcuts to Shutdown, Restart, Hibernate and Sleep
- How to Disable the Windows Update Option

And many more…..

C PROGRAMMING LANGUAGE FUNDAMENTALS (6 Weeks)

Introduction

- Welcome
- History
- What is C?
- Adoption and Relevance
- Getting Started
- Demo: Getting Started

Variables

- Welcome
- Variables
- Names
- Types
- Declarations and Initialization
- Storage and Visibilty
- Demo: Compilation Model
- Demo: Local Variables
- Demo: Global Variables

Operators

- Welcome
- Arithmetic Operators
- Relational Operators
- Logical Operators
- Bitwise Operators
- Unary Operators

- Assignment Operators
- Precedence of Operators

Expressions and Statements

- Welcome
- Expressions
- Statements
- If Statements
- Iteration Statements
- Loop Jumping
- Switch Statements
- Demo: Expressions and Variables
- Demo: Bool and If Statements

Pointers and Arrays

- Welcome
- Pointers and Addresses
- Pointers and Variables
- Defining Arrays
- Arrays and Pointers

Functions and Structures

- Welcome
- Functions
- Structures
- Using Structures
- Demo: Making a List
- Demo: Using a List
- Conclusion

C++ (6 weeks)

Context

- Introduction
- Course Overview
- Why C++?
- Modern C++
- C++ As a First Language
- C++/CLI
- C++0x
- Summary

Tools

- Introduction
- Visual Studio
- Demo: Get Visual C++ Express
- Demo: A Simple Application
- Kinds of Applications
- A Console Application
- Demo: Creating a Project
- Summary

Language Basics - Variables: Fundamental Types

- Introduction
- Variables
- Fundamental Types
- Demo: Fundamental Types
- Casting
- Demo: Casting
- Summary

Variables - User Defined Types

- Introduction
- Classes and Objects
- Demo: Classes and Objects
- Scope
- Demo: Scope
- Odds and Ends
- Demo: Inheritance
- Demo: Namespaces
- Demo: Enumerations
- The Preprocessor
- Demo: The Preprocessor
- Summary

Flow of Control

- Introduction
- Flow of Control
- If
- Demo: if
- While
- Demo: While
- For
- Demo: For
- Switch
- Demo: Switch
- Functions
- Demo: Free Functions
- Demo: Member Functions
- Demo: Understanding Error Messages
- Immediate If
- Demo: Immediate If

- Summary

Operators

- Introduction
- Arithmetic
- Demo: Arithmetic
- Comparison
- Demo: Comparison
- Bitwise Operators
- Operator Overloading
- Writing an Overload
- Demo: Writing an Overload
- Summary

Templates

- Introduction
- Templates
- Demo: Function Template
- Function Templates
- Demo: Class Template
- Class Templates
- Template Specialization
- Demo: Template Specialization
- Summary

Pointers

- Introduction
- Pointers and References
- Demo: Pointers and References
- Const
- Demo: Const
- Const and Pointers

Demo: Const and Pointers

The Free Store

Manual Memory Management

Demo: Manual Memory Management

Easy Memory Management

Demo: Easy Memory Management

Smart Pointers

Using Smart Pointers

Summary

Pointers and Inheritance

Introduction

Pointers and Inheritance

Demo: Pointers and Inheritance

Demo: Shared Pointers and Polymorphism

Slicing

Demo: Slicing

Casting

Demo: Casting

Summary

TECHDREAMZ has designed Job Oriented Training course curriculum for the IT
and engineering graduates which will give them the natural advantage to
be ahead of their competitors in the IT industry
www.techdreamz.org
www.industrialtraining.biz