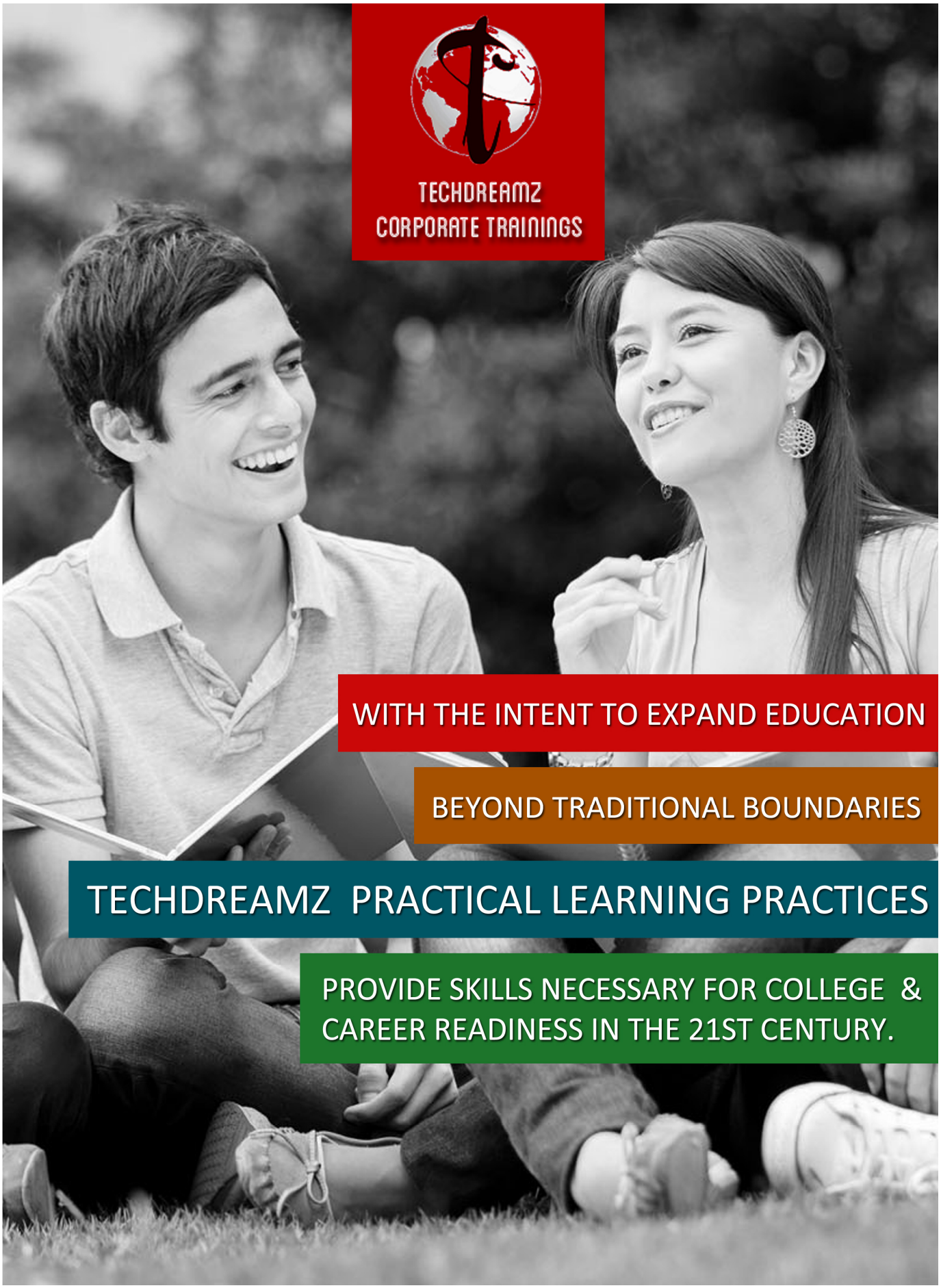
TECHDREAMZ
CORPORATE TRAININGS
WITH THE INTENT TO EXPAND EDUCATION
BEYOND TRADITIONAL BOUNDARIES
TECHDREAMZ PRACTICAL LEARNING PRACTICES
PROVIDE SKILLS NECESSARY FOR COLLEGE &
CAREER READINESS IN THE 21ST CENTURY.

PHP INDUSTRIAL TRAINING

(6 months)

MODULE 1
WEB DESIGN FUNDAMENTALS

PART 1 : 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 2 : 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 3 : 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]

PHP and MySql

- What is PHP?
- The history of PHP
- Why choose PHP?
- Installation overview
- Mac Installation
- Windows Installation
- First Steps
    - Embedding PHP code on a page
    - Outputting dynamic text
    - The operational trail
    - Inserting code comments
- Exploring Data Types
    - Variables
    - Strings
    - String functions
    - Numbers
    - Arrays
    - Associative arrays
    - Array functions
    - Booleans
    - NULL and empty
    - Type juggling and casting
    - Constants
- Control Structures: Logical Expressions
    - If statements
    - Else and elseif statements
    - Logical operators
    - Switch statements
- Control Structures: Loops

- While loops
- For loops
- Foreach loops
- Continue
- Break
- Understanding array pointers

- User-Defined Functions
  - Defining functions
  - Function arguments
  - Returning values from a function
  - Multiple return values
  - Scope and global variables
  - Setting default argument values
- Debugging
  - Common problems
  - Warnings and errors
  - Debugging and troubleshooting
- Building Web Pages with PHP
  - Links and URLs
  - Using GET values
  - Encoding GET values
  - Encoding for HTML
  - Including and requiring files
  - Modifying headers
  - Page redirection
  - Output buffering
- Working with Forms and Form Data
  - Building forms
  - Detecting form submissions
  - Single-page form processing
  - Validating form values
  - Problems with validation logic
  - Displaying validation errors
  - Custom validation functions
  - Single-page form with validations
- Working with Cookies and Sessions
  - Working with cookies

- Setting cookie values
- Reading cookie values
- Unsetting cookie values
- Working with sessions

- MySQL Basics
  - MySQL introduction
  - Creating a database
  - Creating a database table
  - CRUD in MySQL
  - Populating a MySQL database
- Using PHP to Access MySQL
  - Database APIs in PHP
  - Connecting to MySQL with PHP
  - Retrieving data from MySQL
  - Working with retrieved data
  - Creating records with PHP
  - Updating and deleting records with PHP
  - SQL injection
  - Escaping strings for MySQL
  - Introducing prepared statements

LIVE MAJOR PROJECT LIVE URL

[using PHP and MySql]

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and engineering graduates which will give them the natural advantage to
be ahead of their competitors in the IT industry
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