CROMA CAMPUS

Training Program

Python Django Full Stack Development Training

1.2 Million Learners

1-1 Personlized Mentorship

60% Average Salary Hike

About **Program**

Learning Format
Online / Offline

Trainer
Industry Professionals

Career Services
By Croma Campus

> Our course content has been specifically designed to turn you into a skilled professional in this industry. As a part of your certification training, you will receive enough study material and recorded video sessions that will help you cover all the latest trends and features in this course. The training session will comprise important sections, features, advantages, and scope of the technology in the coming years. Moreover, our qualified trainers will help you imbibe all the required skills, and information in a much better manner to help you in you becoming an expert in this technology. Post the completion of your course, you will receive a training certificate recognized world-wide.

What Make Us **Tick**

Career-oriented Sessions
Attend 25+ career-oriented sessions by industry mentors and prepare your career trajectory

Profile Building
Craft a resume and LinkedIn profile and make an impression on top employers

Mock Interview Preparation
Prepare with mock interviews including most asked questions by top employers

1:1 Mentoring Sessions
Get 1:1 guidance at every step in your career transition to respective Technology

Dedicated Job Portal Access
Get exclusive access to 100s of job postings per month on Croma Campus Intellipaat's job portal

Guaranteed interviews
Get job interviews with 400+ hiring partners including promising startups and top MNCs

Web Designing Training Curriculum

HTML

- HTML
  - What is HTML?
  - What is a Web Browser?
  - What are Versions of HTML?
  - What can you Do with HTML?
  - HTML Development Environments
  - Writing Code with a Text Editor
- Review of HTML Elements
  - Rules of Syntax
  - Making your Code Readable
  - Building a Document
  - Using Colors
  - Adding Color to your Page
  - Using Headings
  - Using Paragraphs
  - Aligning Block-Level Elements
- Inserting Spaces and Line Breaks
  - Displaying Preformatted Text
  - Formatting with Inline Elements
  - Controlling Fonts
  - Introducing List Elements
  - Creating Unordered Lists
  - Creating Ordered Lists
  - Nesting Lists
- What is an HTML Table?
  - Building a Table
  - Cell Padding and Cell Spacing
  - Controlling Table and Cell Width
  - Aligning a Table on the Page
  - Aligning Tables and Text
  - Aligning Table Data
  - Spanning Columns and Rows
- Creating a Hyperlink
  - Understanding and Using URLs
  - Linking to a Web Document
  - Linking to a Local Document

- Linking to Anchors
- Opening a New Browser Window
- Image Formats
  - Inserting Inline Images
  - Aligning Images
  - Using Images to Anchor Links
  - Sizing Images
  - Using Transparent Images
  - Using GIF Animation
- Forms and Controls
  - Forms and Form Elements
  - Form Actions, Form Methods, Form Design

✅ HTML 5

- Introduction
  - Laying out a page with HTML5
  - Page Structure
  - New HTML5 Structural Tags
  - Page Simplification
- HTML 5 – How we got here?
  - New Features of HTML5
  - The HTML5 Semantic Element
  - Current State of Browser Support
- SECTIONS AND ARTICLES
  - The section Tag
  - The article Tag
  - The header Tag
  - The Footer Tag
- HTML5 AUDIO AND VIDEO
  - Supported Media Types
  - The audio Element
  - The video Element
- HTML5 FORMS
  - New Input Types
- HTML5 NEW FORM ATTRIBUTES
  - autocomplete
  - novalidate

- HTML5 NEW FORM FIELD ATTRIBUTES
  - required
  - placeholder
  - autofocus
  - autocomplete
  - form
  - pattern

✅ CSS 2.0

- Introduction of CSS
- CSS Syntax
- CSS Comments
- CSS Types
  - Inline
  - Internal
  - External
- CSS Selector
  - ID
  - Class
  - Attribute
  - Grouping
  - Universal
- CSS Color
  - RGB Value
  - Hex Value
  - Color Name
- Background
  - background-color
  - background-repeat
  - background-attachement
  - background position
  - background-size
  - background-image
- CSS Margin
  - Margin-top
  - Margin-bottom
  - Margin-left

- Margin-Right
- CSS Padding
  - Padding -top
  - Padding -bottom
  - Padding -left
  - Padding –Right
- Outline
  - Outline-style
  - Outline-color
  - Outline Width
  - Outline-Offset
  - Outline Shorthand Property
- CSS Height and Width
- CSS Display properties
- CSS Position Properties
- CSS Overflow
- CSS Float and Clear
- Pseudo Class and Element

✅ CSS 3.0

- Introduction to CSS 3
  - Border
  - border-radius
- CSS Shadows
  - Text-shadow
  - Box-shadow
- Transitions
  - transition
  - transition-delay
  - transition-duration
  - transition-property
- 2D Transforms
  - transform
  - matrix ()
  - translate (x, y)
  - scale (x, y)
  - rotate(angle)

- skew (x-angle, y-angle)
- Animations
  - @keyframes
  - animation
  - animation-direction
  - animation-duration
  - animation-name
- Selectors
  - CSS combinations
  - Pseudo Elements
- Gradients
  - Linear Gradients
  - Radial Gradients
- User Interface
  - resize
  - box-sizing
  - outline-offset
- CSS Filters
  - Blur
  - Opacity
- Media Query
  - What is Responsive Web Design
  - Intro to the Viewport
  - The Viewport Tag
  - Media Queries
  - Tablet Styles
  - Mobile Styles
  - Making a Mobile Drop-down Menu
- Web Fonts
  - @font-face
  - font-family
  - src
  - font-stretch
  - font-style
  - font-weight
- Flexbox
  - flex-grow

- flex-shrink
- flex-basis
- flex
- flex-wrap
- flex-direction
- flex-flow
- justify-content
- align-items
- order

✅ JavaScript

- Introduction to JavaScript
  - Syntax
  - Statements
  - Comments
- Enabling in various browsers Popup Boxes
  - Alert
  - Confirm
  - Prompt
- Variables
- Operators
  - Arithmetic
  - Assignment
  - Comparison
  - Logical
  - Relational
  - Ternary
- Conditional Statements
  - If else
  - if...else if...else
  - nested if
  - Switch
  - Loops
  - While
  - do...while
  - for
  - for...in Statement

- Break
- Continue
- Functions
  - User-defined Functions
  - Function Syntax
  - Function with Arguments
  - Returning Values from Functions
  - Built-in Functions
- Events
  - Introduction
  - Mouse
  - Events
  - Keyboard Events
  - Form Events
  - Document/Window Events
- Built-in Objects
  - Number
  - Strings
  - Math
  - Array
  - Date
  - Reg exp use in form validation

✅ JQuery

- Getting Started with jQuery
- Selecting Elements
- Manipulating the Page
- Traversing the DOM and Chaining
- Handling Events
- Enhancing with Animation Effects
- JQuery Hide/show
- jQuery toggle()
- jQuery Slide method
- jQuery Fade method
- jQuery stop()
- jQuery Callback and Chaining
- jQuery text(),html() and val()

- jQuery css()
- jQuery addClass(),removeClass(),toggleClass()
- jQuery Best Practices

✅ Bootstrap Framework Latest Version (HTML, CSS, and JS Library)

- Introduction
  - Introduction of Bootstrap
  - What needs for Bootstrap
  - Our First Web Page
  - What's Inside?
  - Scripts and Styles
  - Bootstrap CDN Link
  - Summary
- Layout with Bootstrap
  - Introduction
  - Grid Layouts
  - Simple Layout
  - Fixed Grids
  - Responsive Design
  - Responsive Utilities
  - Summary
- Everyday Bootstrap
  - Introduction
  - Typography
  - Tables
  - Forms
  - Buttons
  - Images and Icons
  - Summary
- Bootstrap Component
  - Introductions
  - Drop down Menu
  - Buttons with Menus
  - Tabs and Pill
  - The Navbars
  - Badges
  - Summary

- Bootstrap and JavaScript
  - Introduction
  - More Buttons
  - Modals
  - Tooltips and Popovers
  - Carousel
  - Summary

Web Hosting & SEO Basics

- Fundamental of Web Hosting
- Types of Hosting Packages
- Linux and Windows Control Panel
- Using FTP Client
- Maintaining a Website
- Domain Names Registration
- What is SEO & its scope.
- Keyword Research and Analysis (Tools and Implementation)
- Website Analysis
- Website Performance Monitoring
- Google Analytics/Webmaster
- XML Sitemap
- Use of Meta Tags

Programming with Python **Training Curriculum**

✅ **Python Training Curriculum**

- **Introduction To Python:**
    - Installation and Working with Python
    - Understanding Python variables
    - Python basic Operators
    - Understanding the Python blocks.

- **Python Keyword and Identifiers**
    - Python Keyword and Identifiers
    - Python Comments, Multiline Comments.
    - Python Indentation
    - Understating the concepts of Operators
        - Arithmetic
        - Relational
        - Logical
        - Assignment
        - Membership
        - Identity

- **Introduction To Variables:**
    - Variables, expression condition and function
    - Global and Local Variables in Python
    - Packing and Unpacking Arguments
    - Type Casting in Python
    - Byte objects vs. string in Python
    - Variable Scope

- **Python Data Type:**
    - Declaring and using Numeric data types
    - Using string data type and string operations
    - Understanding Non-numeric data types
    - Understanding the concept of Casting and Boolean.
    - Strings
    - List
    - Tuples
    - Dictionary
    - Sets

- **Control Structure & Flow**
  - Statements – if, else, elif
  - How to use nested IF and Else in Python
  - Loops
  - Loops and Control Statements.
  - Jumping Statements – Break, Continue, pass
  - Looping techniques in Python
  - How to use Range function in Loop?
  - Programs for printing Patterns in Python
  - How to use if and else with Loop
  - Use of Switch Function in Loop
  - Elegant way of Python Iteration
  - Generator in Python
  - How to use nested Loop in Python
  - Use If and Else in for and While Loop
  - Examples of Looping with Break and Continue Statement
  - How to use IN or NOT IN keyword in Python Loop.

- **Python Function, Modules and Packages**
  - Python Syntax
  - Function Call
  - Return Statement
  - Arguments in a function – Required, Default, Positional, Variable-length
  - Write an Empty Function in Python –pass statement.
  - Lamda/ Anonymous Function
  - *args and **kwargs
  - Help function in Python
  - Scope and Life Time of Variable in Python Function
  - Nested Loop in Python Function
  - Recursive Function and Its Advantage and Disadvantage
  - Organizing python codes using functions
  - Organizing python projects into modules
  - Importing own module as well as external modules
  - Understanding Packages
  - Random functions in python
  - Programming using functions, modules & external packages
  - Map, Filter and Reduce function with Lambda Function
  - More example of Python Function

- **Python Date Time and Calendar:**
  - Day, Month, Year, Today, Weekday
  - IsoWeek day
  - Date Time
  - Time, Hour, Minute, Sec, Microsec
  - Time Delta and UTC
  - StrfTime, Now
  - Time stamp and Date Format
  - Month Calendar
  - Itermonthdates
  - Lots of Example on Python Calendar
  - Create 12-month Calendar
  - Strftime
  - Strptime
  - Format Code list of Data, Time and Cal
  - Locale's appropriate date and time

- **List**
  - What is List.
  - List Creation
  - List Length
  - List Append
  - List Insert
  - List Remove
  - List Append & Extend using "+" and Keyword
  - List Delete
  - List related Keyword in Python
  - List Revers
  - List Sorting
  - List having Multiple Reference
  - String Split to create a List
  - List Indexing
  - List Slicing
  - List count and Looping
  - List Comprehension and Nested Comprehension

- **Tuple**
  - What is Tuple
  - Tuple Creation

- Accessing Elements in Tuple
- Changing a Tuple
- Tuple Deletion
- Tuple Count
- Tuple Index
- Tuple Membership
- TupleBuilt in Function (Length, Sort)

- ## Dictionary
  - Dict Creation
  - Dict Access (Accessing Dict Values)
  - Dict Get Method
  - Dict Add or Modify Elements
  - Dict Copy
  - Dict From Keys.
  - Dict Items
  - Dict Keys (Updating, Removing and Iterating)
  - Dict Values
  - Dict Comprehension
  - Default Dictionaries
  - Ordered Dictionaries
  - Looping Dictionaries
  - Dict useful methods (Pop, Pop Item, Str , Update etc.)

- ## Sets
  - What is Set
  - Set Creation
  - Add element to a Set
  - Remove elements from a Set
  - PythonSet Operations
  - Frozen Sets

- ## Strings
  - What is Set
  - Set Creation
  - Add element to a Set
  - Remove elements from a Set
  - PythonSet Operations

- **Python Exception Handling**
  - Python Errors and Built-in-Exceptions
  - Exception handing Try, Except and Finally
  - Catching Exceptions in Python
  - Catching Specific Exception in Python
  - Raising Exception
  - Try and Finally

- **Python File Handling**
  - Opening a File
  - Python File Modes
  - Closing File
  - Writing to a File
  - Reading from a File
  - Renaming and Deleting Files in Python
  - Python Directory and File Management
  - List Directories and Files
  - Making New Directory
  - Changing Directory

- **Python Database Interaction**
  - SQL Database connection using
  - Creating and searching tables
  - Reading and Storing config information on database
  - Programming using database connections

- **Contacting user Through Emails Using Python**
  - Installing SMTP Python Module
  - Sending Email
  - Reading from file and sending emails to all users

- **Reading an excel**
  - Working With Excel
  - Reading an excel file using Python
  - Writing to an excel sheet using Python
  - Python| Reading an excel file
  - Python | Writing an excel file
  - Adjusting Rows and Column using Python
  - ArithmeticOperation in Excel file.
  - Play with Workbook, Sheets and Cells in Excel using Python

- Creating and Removing Sheets
- Formatting the Excel File Data
- More example of Python Function

- ## Complete Understanding of OS Module of Python
  - Check Dirs. (exist or not)
  - How to split path and extension?
  - How to get user profile detail?
  - Get the path of Desktop, Documents, Downloads etc.
  - Handle the File System Organization using OS
  - How to get any files and folder's details using OS?

Data Analysis and Visualization using NumPy, Pandas, and MatPlotLib, Seaborn

- ### NumPy
  - Introduction to NumPy: Numerical Python
  - Importing NumPy and Its Properties
  - NumPy Arrays
  - Creating an Array from a CSV
  - Operations an Array from aCSV
  - Operations with NumPy Arrays
  - Two-Dimensional Array
  - Selecting Elements from 1-D Array
  - Selecting Elements from 2-D Array
  - Logical Operation with Array

- ### Pandas
  - Working With Excel using Pandas
  - Reading an excel & CSV file using Pandas
  - Writing to an excel sheet using Pandas
  - Adjusting Rows and Column using Pandas
  - Arithmetic Operation in Excel file using Pandas.
  - Play with Workbook, Sheets and Cells in Excel using Pandas
  - Creating and Removing Sheets using Pandas
  - Formatting the Excel File Data using Pandas

- ### MatPlotLib
  - Bar Chart using Python MatPlotLib
  - Column Chart using Python MatPlotLib

- Pie Chart using Python MatPlotLib
- Area Chart using Python MatPlotLib
- Scatter Plot Chart using Python MatPlotLib
- Export the Chart as Image
- Create Charts as Image
- Other Useful Properties of Charts.
- Plotting Different Charts, Labels, and Labels Alignment etc.

• Introduction to Seaborn

- Introduction to Seaborn
- Making a scatter plot with lists
- Making a count plot with a list
- Using Pandas with seaborn

• Python Object Oriented Programming—Oops Concepts

- Concept of Class, Object and Instances
- Constructor, Class attributes and Destructors
- Real time use of class in live projects
- Inheritance, Overlapping and Overloading operators
- Adding and retrieving dynamic attributes of classes
- Programming using Oops support

✅ Django Web Framework

- What is a Framework?
- Introduction to Django
- Django – Design Philosophies
- History of Django
- Why Django and Features?
- Environment setup
- Web Server
- MVC Pattern
- MVC Architecture vs MVT Architecture
- Django MVC – MVT Pattern

✅ Getting Started with Django

- Creating the first Project
- Integrating the Project to sublime text
- The Project Structure
- Running the server

- Solving the issues and Migrations
- Database Setup
- Setting Up Your Project.

✅ Create an Application

- What Django Follows?
- Structure of Django framework
- Model Layer
- What are models?
- Model fields
- Query sets
- Django – Admin Interface
- Starting the Admin Interface
- Migrations
- Views Layer
- Simple View
- Basic view (displaying hello world)
- Functional views, class based views

✅ Django – URL Mapping

- Organizing Your URLs
- Role of URLs in Django
- Working URLs
- Forms
- Sending Parameters to Views
- Templates layer
- The Render Function

✅ Django Template Language (DTL)

- Role of template layer in Django
- Filters, Tags, Tag if, tag for, Block and Extend Tags
- Comment Tag, Usage of templates
- Extending base template

✅ Django – Models

- Creating a Model
- Manipulating Data (CRUD)
- Linking Models
- Django – Page Redirection

✅ Django – Sending E-mails

- Sending a Simple E-mail
- Sending Multiple Mails with send-mass-mail option
- Sending HTML E-mail
- Sending HTML E-mail with Attachments

✅ Django – Form Processing/file handling/cooking handling

- Using Form in a View
- Usage of forms
- Crud operations using forms
- Crispy forms in Django
- Django – File Uploading
- Uploading an Image
- Django – Apache Setup
- Django – Cookies Handling
- Django – Sessions
- Django – Comments

✅ Django Admin

- Creating Super User
- Using admin in Django
- Adding models to admin
- Adding model objects using admin
- Displaying in cmd using query sets
- Admin interface Customization
- Django ORM (Object Relational Mapping)

✅ Django API (Application Program Interface)

- Creating a serializer.
- Working with API views.
- Filtering back ends.
- Enabling pagination.
- Executing CRUD operations.
- Managing serializer fields.
- Testing API views

✅ Static files

- Loading CSS files into templates
- Loading JS files into templates

- Uploading image using models
- User authentication
- Sample Projects and websites

✅ Placement Guide

- Tips to clear an Interview
- Common Interview questions and answers
- Python Django Interview Questions and Answers
- Resume Building Guide
- Attempt for the related Global Certification Exam
- Earn Credentials and Start applying for Jobs

e-Learning through LMS

Learning Management System

Our LMS (LearnPitch) is for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, or learning and development programs.

Our LMS has been designed to identify training and learning gaps, using analytical data and reporting to keep you up with the class activities.

Key Features Learning Management System

Live Sessions with Class recordings

Get study material with Assignments.

Track your curriculum covered.

Track your class wise attendance

Share your feedback for Trainer & Training

Get your Training Certificate from LMS

Training **Certification**

Earn Your **Certificate**

Your certificate and skills are vital to the extent of jump-starting your career and giving you a chance to compete in a global space.

Croma Campus! **Reviews**

"The most rewarding part of my experience has been achieving a prestigious certification in the subject that I love. Moreover, the training offered out by the specialists are of world-class and prepares out the students for corporate world. For me Croma Campus means a lot."

" **By The** *Students* **For The** *Students* „

Your Success Is **Our Story**

Bharat
" I am fully satisfied with the excellent training services received by the expert staff at Croma Campus. I want to thank Croma Campus for providing me with the most innovative and affordable training services for learning all the software testing procedures and guidelines. „
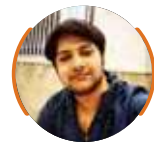
Ankit
" It was a lifetime experience for me to get trained by IT Experts of Croma Campus. What I liked most about the training was the consistent high-quality education, which was friendly and co-active. The placement department was also proactive, they keep me updated regarding new job opportunities and provide the grooming session to crack the interview. At last, I would like to thank all faculty members of Croma Campus for their immense help and support. „

Nitesh
" Without any second thought, I will give Croma Campus 10/10. Their placement department is highly proactive. I remember they started scheduling interviews for me from the very next day when I told them my course has been completed. These people are doing a phenomenal job and I highly recommend Croma Campus to everyone. „

Shams Khan
" Croma Campus is doing a phenomenal job in the IT training industry. The reason why I decided to join their training program was that they provide quality training at very a nominal price. Plus, the online training mode was also a factor due to which I decided to join the training program of Croma Campus as I didn't want to attend physical classes. „

G 4.2/5
1030+ Google Reviews

4.8/5
1224+ Sulekha Reviews

4.6/5
1034+ Urbanpro Reviews

Jd 4.3/5
1294+ Just Dial Reviews

f 4.5/5
1260+ Facebook Reviews

Meet Our Team

Sales Team

Our Sales team is highly passionate, emphatic, positive attitude, great listening skills, ability to deliver quick solutions, and they are multitasker too. Our team always remains up-to-date about all the latest technologies and market trends. With effective communication skills, they always work to deliver the right information to customers when it is needed.

Product Team

Our product team is highly functional and collaborative working together to achieve the common outcome of designing exceptional digital experiences. Each of our members is a contributor to help us achieve success in long-run. Sitting at the high-end of technology and innovation, team helps to deliver high-end customer experiences and always comes out with a big idea as a game-changing plan.

Marketing Team

Our Marketing team works as gladiators and helps us to achieve business success in all possible ways. They are included in almost everything either it is building a brand, creating brand awareness, promoting products or services, delivering trailblazing customer experiences or increasing engagement at public forums. They are the true backbone of the Company.

Content Team

Our content team is responsible for ideation, creation, optimization, and distribution of content throughout the company. The team always starts its work with a strategy, how to create high-quality contents, and how to promote or share the content. Our in-house content team help us to produce all types of contents either they are educational content pieces, marketing content, SEO content, or any other forms too.

Customer Access Team

This is the team that has actually been taken up us from reactive state to a pro-active state. The team utilizes high-valued solutions to satisfy customers in all possible ways. It is truly said that no company can succeed if your customers are not satisfied. And our customer success team is dedicatedly working to keep all the customers satisfied and we always consider our customer feedback on priority.

HR Team

Our HR team is committed to provide high-end solutions to employees as they require. Our HR team has the right skills and knowledge to make sure that the HR department can always be legally and strategically successful. They know how to keep employees motivated all the time with the best HR policies and fun activities too from time to time.
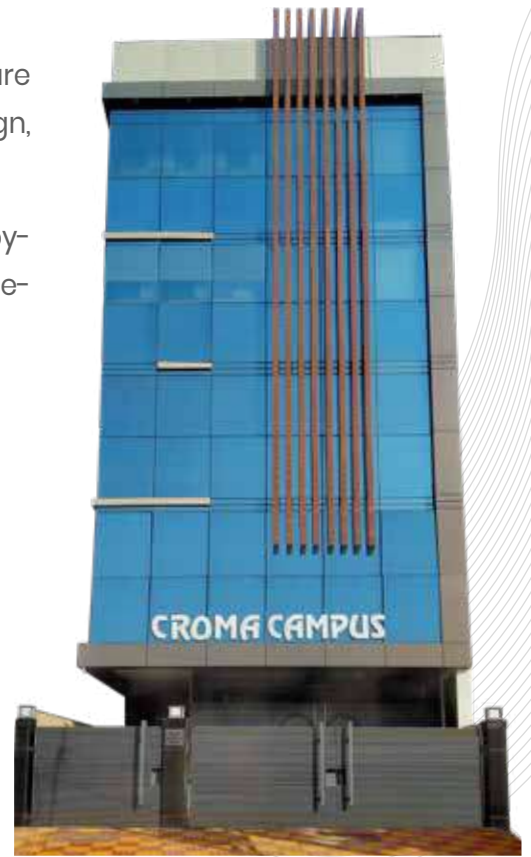
Glimpse Of **Our Office**

Look **Who We are**

Our office's infrastructure comprises all the necessary software and network resources that are required to deliver IT & Design, Human Resources, Digital Marketing, and training services.

We are well-equipped with bright designed work bays for employees and managers having separate cabins with spacious cafeteria and training classrooms.

About Croma Campus

" Our Mission is to Build Nation through Education & Beyond Limitation. "

Croma Campus Training & Development Private Limited is an education platform providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty, industry & Infrastructure. In the past 12 years we have trained 18000+ candidates and out of which we are able to place 12000+ professionals in various industries successfully.

We Are Affiliated With Different Partners

ISO

MSME

N·S·D·C National Skill Development Corporation
Transforming the skill landscape

GST

startupindia

Ministry Of Corporate Affairs
Government of India

PMKVY

follow us on:

f cromacampus/facebook

P cromacampus/pinterest

Instagram cromacampus/instagram

in cromacampus/linkedin

Twitter cromacampus/twitter

YouTube cromacampus/youtube

REACH US:

Croma Campus Training & Development (P) Ltd.

⚲ G-21, Block G, Sector 3, Noida, Uttar Pradesh - 201301

☎ +91-9711-5269-42 | +91-0120-4155255

✉ helpdesk@cromacampus.com | 🌐 www.cromacampus.com

CROMA CAMPUS ® | #1 Asia's Learning Training Institute