



UnCodemy

FULL STACK DEVELOPMENT

Java ! Python ! Nodejs

Industrial Training & Job Oriented Program



Table of Contents

01	Uncodemy Vision & Mission	09	Uncodemy Life in Campus
02	About Page	10	Industrial Visit & Seminar
03	Career in Full Stack Development	11	Our Expert Trainers
04	Why Choose Uncodemy	12	Placement
05	Tools Cover	13	Success Stories
06	Course Curriculum	14	Contact Us
07	Certificate		
08	Our Alumni		



Email : Info@uncodemy.com



Uncodemy Edutech Pvt. Ltd. was founded as a technical training institute under the Companies Act of 2013 with the main objective of training the youth in the areas of information and communication technology, such as **Artificial intelligence, machine learning, data science and analytics, business analytics, software testing, full stack development, digital marketing, web development, cyber security, ethical hacking, Cloud computing, AWS , Devops and other on-demand IT courses.**

Uncodemy has been associated with its parent company, GvCloud Secure Pvt. Ltd., Since its inception. Therefore, Uncodemy is not just a training institute but has been working as a web application development company and other service provider in the IT sector in India and abroad for many years. Uncodemy not only understands and meets the needs of the modern IT sector but also gives its students more career chances than other training facilities by focussing on practical training in accordance with client expectations.






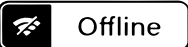











In order to make the youth eligible for the current job vacancies, it is an essential aspect that the training curriculum is in sync with the current market demand. The curriculum of various courses offered at Uncodemy is designed keeping in mind the current market demand and the capabilities of the youth. The training program is provided as per the normset by the Ministry of Skill Development & Entrepreneurship, Government of India, and in compliance with the National Skill Quality Framework.

Through its ongoing efforts, **Uncodemy is fulfilling the vision of the Government of India to provide skill training to the youth and build a self-reliant India.** In addition to helping the young people get jobs we also assist them in finding jobs. **We rise by lifting others.**

**Founder, MD & CEO
Uncodemy Edutech Pvt. Ltd.**

“Uncodemy is a team of high-class working professionals associated with a Fortune 500 company. We are on a mission to employ millions. If you want a job or a career change, Uncodemy is the right place for you. We will teach you how to work with the latest technology.”

PROGRAM HIGHLIGHTS

 <p>Live industry-based projects</p>	 <p>100% placement assistance</p>	 <p>CV building</p>	 <p>Confidence Building</p>
 <p>Online</p>  <p>Offline</p> <p>Online & offline</p>	 <p>weekly & weekend classes</p>	 <p>Interview Session</p>	 <p>Mock Interview Session</p>
 <p>Course Completion certificate</p>	 <p>Recorded Class</p>	 <p>Group Discussion</p>	 <p>Grooming session</p>
 <p>Interview Session</p>	 <p>6 Monthe internship</p>	 <p>Access to Class & Training Until Placement</p>	 <p>Communication Skills</p>

ABOUT US

Uncodemy is one among a couple of driving organizations / in Delhi, Noida, NCR, India that give undeniable preparation in Data Science, Machine learning, Python programming, Tableau, - Deep Learning, and Artificial Intelligence. We at the collegetarget producing quality experts who can withstand the developing contest and rising intricacies in the innovative world. We are growing and leading the company of Delhi, Noida, NCR, India.

THE UNCODEMY

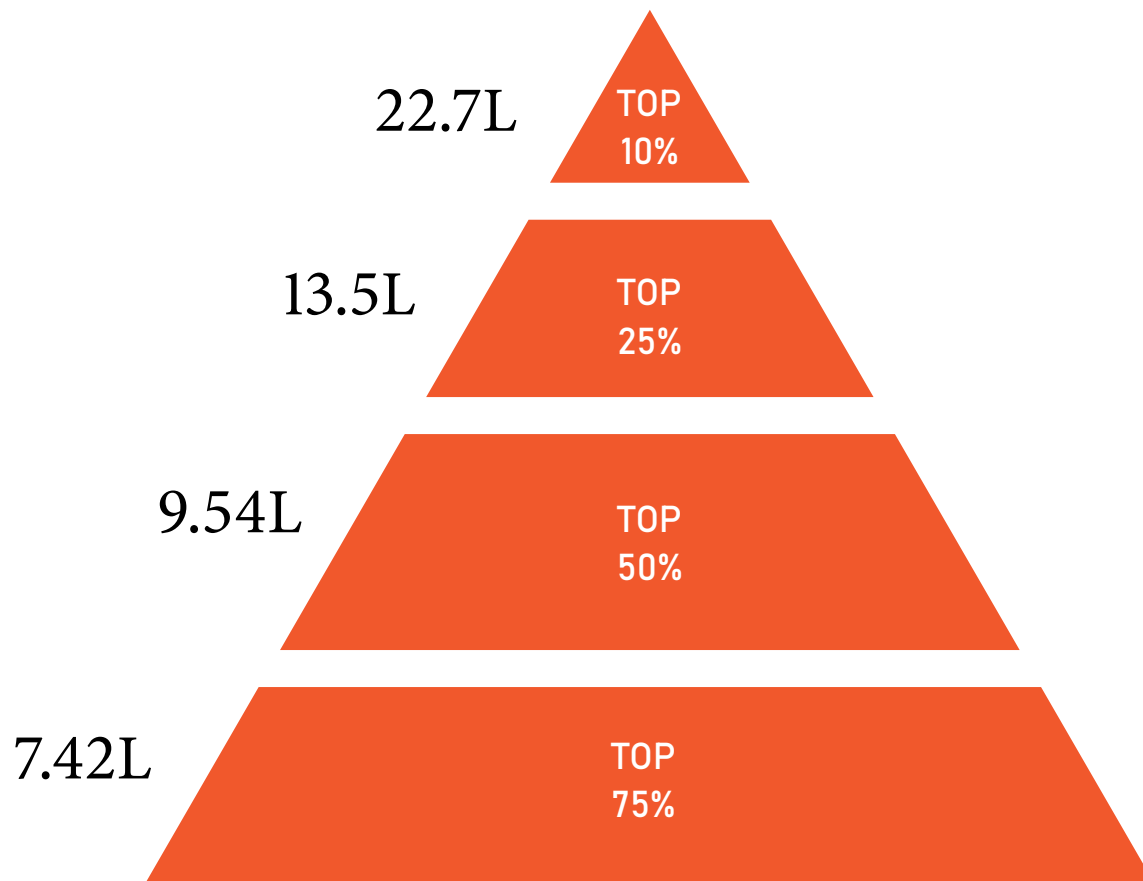
Is an Educational and Professional improvement Organization that has been established to propel the product and IT calling by advancing and perceiving demonstrable skill through training, counselling, gatherings and accreditation. Our Professional Dedicated Team guarantees to give you the best of specialization courses under disciplines like Data Science Machine Learning, Data Mining, Tableau, Text Mining, ReactJS, NodeJS, Angular, Python Programming, Deep Learning, and Java, network protection, programming testing, Cloud Technology, Digital advertising and a lot more with an emphasis on trustworthiness and on the web and Offline learning. We're attempting to transform our enthusiasm for IT Software Training Platform into a thriving position and occupation situated in the preparing stage without any hesitation at work.

Our aim is simple: We strive to create high-impact, hands-on experiences that prepare learners for meaningful and productive careers.

**Warm Regards,
Founder Uncodemy**

CAREERS IN FULL STACK DEVELOPMENT

SALARY PACKAGE



The results of a Full Stack Development job is tracked a database engineers to review so they can fix the defect. There are times when the position can seem monotonous, but the focus of your work will constantly change to different aspects of the program, alleviating some of the repetition. You also get an early look at the latest in technology and have a hand in making sure that a program is as defect free as possible. Finally, with Development being an area that will always grow, Development have one of the most secure jobs in the tech industry.

Why Should You Choose UnCodemy?



Top MNCs

UnCodemy partners with top-tier companies to ensure that its students receive instruction from industry experts with hands-on experience in the field of Full Stack Development.



No. 1 Institute for the Full Stack Development

UnCodemy in Noida stands out as the premier Full stack development course provider, featuring industry-experienced mentors from major corporations. With a commitment to 100% placements, it offers live project experiences, flexible online & offline training modes, and accelerated certification options catering to working professionals.

About Courses

UnCodemy follows a structured approach and comprehensive curriculum. Here are some key reasons why learning Full Stack from a training program can be beneficial:



1. Access to experienced instructors who can provide personalized guidance and support.
2. Exposure to industry-relevant tools and technologies.
3. Hands-on experience with real-world datasets and projects.
4. Networking opportunities with other students and professionals in the field.
5. A structured curriculum that covers the key concepts and skills needed to succeed in Full Stack Development.
6. Access to job placement assistance and career counseling.

About Industry Expert Trainers



Uncodemy partners with seasoned industry professionals to provide students with first-hand knowledge and real-world applications in the realm of Full stack Development. These experienced instructors share their practical insights, equipping students not only with theoretical knowledge but also with the practical skills needed to succeed in the field.

About Certificate



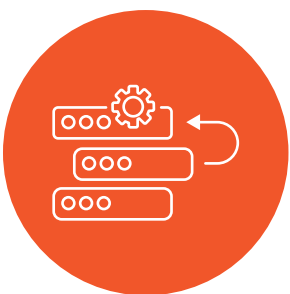
Uncodemy is recognized by top industry bodies such as **ISO** and **NASSCOM** and is also endorsed by **Skill India**, a government initiative aimed at boosting skills development in the country. The certifications provided by Uncodemy are highly valued by employers, as they signify that the candidate has completed a rigorous program and has the necessary skills and knowledge to excel in the field.

Doubt Session



Uncodemy facilitates doubt sessions where students can receive individualized attention and clarification on challenging concepts. These sessions are led by experienced instructors who provide comprehensive explanations and examples, ensuring that students leave the session with a thorough understanding of the material.

Grooming Session



Soft skills training to improve communication, networking, and leadership skills. Identifying and highlighting transferable skills that may not be obvious.



CV building

Helping students build a killer resume. Ensuring that the resume includes relevant keywords to help it stand out in applicant tracking systems. Overall, it's about helping students make their resume shine and stand out from the competition.



Interview session




The goal is to prepare students for the job interview process, giving them the chance to practice their communication and interpersonal skills, and helping them feel more confident and prepared for the real thing.



Mock interview

Uncodemy uses mock interviews in its IT training program as a tool to help students refine their interview skills and prepare for job interviews in the tech industry. The mock interviews are designed to replicate the pressure and format of a real interview, without the actual job at stake.

Key Features

 <p>Live industry-based projects</p>	 <p>100% placement assistance</p>	 <p>CV building</p>	 <p>Confidence Building</p>
 <p>Online & offline</p>	 <p>weekly & weekend classes</p>	 <p>Interview Session</p>	 <p>Mock Interview Session</p>
 <p>Course Completion certificate</p>	 <p>Recorded Class</p>	 <p>Group Discussion</p>	 <p>Communication Skills</p>
 <p>Interview Session</p>	 <p>6 Months internship</p>	 <p>Access to Class & Training Until Placement</p>	

Top Skills and Tools Covered

Course

Curriculum

Hyper Text Mark-up Language (HTML5)

Detailed Course Contents:

- Introduction HTML
- HTML Basics
- HTML Elements
- HTML5 Semantic
- HTML Attributes
- HTML Headings
- HTML Paragraph
- HTML Styles
- HTML Formatting
- HTML Computer Code
- HTML Comments & Colours
- HTML CSS, Links and Images
- HTML Lists
- HTML Blocks
- HTML Layout
- HTML Responsive
- HTML JavaScript
- HTML Head

Cascading Style Sheets (CSS3)

Detailed course contents:

- Introduction CSS3
- CSS3 Syntax
- CSS3 Colours
- CSS3 Backgrounds
- CSS3 Borders

- CSS Padding
- CSS Height/Width
- CSS3 Gradients
- CSS3 Shadows
- CSS3 Text
- CSS3 Fonts
- CSS3 2D Transforms
- CSS3 3D Transforms
- CSS Box Model
- CSS Display
- CSS Position
- CSS Align
- CSS Pseudo-class
- CSS Pseudo-element
- CSS Navigation Bar
- CSS Dropdowns
- CSS3 Images
- CSS Attr Selectors
- CSS Forms
- CSS Counters
- CSS3 Animations
- CSS3 Buttons
- CSS3 Multiple Columns
- CSS3 Filters
- CSS3 Media Queries
- CSS3 Responsive

Course Curriculum

Bootstrap

Detailed course contents:

- Introduction to Bootstrap
- Bootstrap Basics
- Bootstrap Grids
- Bootstrap CSS
- Typography
- Tables
- Forms
- Buttons
- Corousel
- Modal
- Tooltip

JavaScript

Detailed course contents:

Introduction to JavaScript

- History of JavaScript
- Advantages
- Limitations
- Script element
- Creating your first JavaScript program
- Coding convention
- Setting up development environment (with VSCode)

Types and Statements

- Keywords in JavaScript
- Overview of Data types
- Primitive Data types
- Non-primitive Data types
- Conditional statements
- Loops

Operators

- Introduction to operators
- Operator precedence and associativity
- Deep dive into operators
- Arithmetic
- Comparison
- Ternary
- Logical
- Language
- Bitwise

Functions - Level I

- Introduction to functions
- Function definition
- Passing values
- Returning values
- Local and global variables
- Functions as objects
- Function constructor

Course Curriculum

Functions - Level II

- Function invocation patterns
- Arrow functions
- JavaScript scopes
- Function closures

Arrays and Strings

- Introduction to Arrays
- Array declaration
- Array access methods
- Multi-dimensional arrays
- String properties
- String access methods

Objects in JavaScript

- Introduction to objects
- Type of objects in JavaScript
- Creating objects
- Object methods
- Constructor function
- Prototype in JavaScript
- Inheritance using prototype chain

Event handling

- JavaScript events
- Event handler
- Event flow
- Event bubbling and capturing
- Event types

Document Object Model (DOM)

- Introduction to DOM
- Types of DOM
- DOM standards and methods
- Manipulating documents using DOM
- Handling images
- Table manipulation
- Animation
- Node and Node-list handling

Form Handling

- Introduction to forms
- Form processing
- Forms object
- Accessing data from forms
- Form validation
- Additional features in forms
- Validation APIs

Debugging Techniques

- JavaScript Errors
- Error handling mechanisms

jQuery

Detailed course contents:

Course Curriculum

- Introduction to jQuery
- jQuery Syntax
- jQuery Selectors
- jQuery Events
- jQuery Effects
- jQuery HTML
- jQuery Traversing
- jQuery AJAX & Misc

ReactJS

Detailed course contents:

Introduction to React

- History of React
- Key Benefits of React
- React development environment
- Creating your first React Application
- React Source code structure

JSX

- Introduction to JSX
- Coding in JSX
- Expressions in JSX
- Working with HTML
- Conditional Constructs

Components

- Introduction to components
- Why Components?
- Writing JSX code in components

- Adding CSS
- Populating Data Dynamically
- Passing data through "props"
- Multiple Components

State and Event Binding

- Introduction to Events
- Event Handlers
- Working with state
- Data Binding
- Controlled and Uncontrolled Components

Rendering Lists and Conditional Contents

- Rendering lists of data
- Using stateful list
- Keys in data
- Conditional Contents
- Adding dynamic styles

Debugging Techniques

- Understanding error message
- Code flow and warnings
- Breakpoints
- Using React Dev Tools

Course Curriculum

Class based Components

- What and Why?
- Adding first class based component
- Working with states and events
- Component Life cycle and in action
- Class based vs functional component

HTTP

- Introduction to HTTP
- Methods in HTTP
- Response code in HTTP
- Introduction to REST interfaces
- Characteristics of REST
- Introduction to JSON
- JSON data representation
- GET request
- Using async and await
- Handling Http errors
- useEffects()
- POST request

Custom React Hooks

- What are custom hooks?
- Creating and using custom hooks
- Custom HTTP hooks

Forms

- Introduction to Forms
- Working with user input submission
- Adding validation
- Working with custom hooks

Authentication

- What is authentication?
- Why and How?
- Authentication tokens
- Setting up
- Adding signup
- Showing feedback to the user
- Adding User login
- Using tokens
- Redirecting the user
- Adding logout
- Protecting frontend pages
- Persisting User authentication status
- Adding auto logout

Deployment

- Introduction
- Deployment steps
- Adding lazy loading
- Building the code for production
- Getting started with deployment
- Handling routes and finishing deployment.

Course

Curriculum

INTRODUCTION TO JAVA

- Why Java was Developed
- Application Areas of Java
- History of Java
- Platform Independency in Java
- USP of Java: Java Features
- Sun-Oracle Deal
- Different Java Platforms
- Difference between JDK,JRE,JVM
- Java Versions
- JVM Architecture
- Installing Java on Windows
- Understanding Path Variable: Why Set Path
- Installing Eclipse
- Installing Netbeans

CREATING FIRST JAVA PROGRAM

- Understanding Text Editors to Write Programs
- How to compile java file
- Byte Code and class file
- How to run class file

JAVA LANGUAGE FUNDAMENTALS

- Identifiers
- Keywords
- Variables

- Literals
- Data Types
- Operators
- Comments
- Looping Statements
- Condition Statements
- Type Casting

OOP IMPLEMENTATION

- Why OOP
- OOP Concepts with Real life examples
- Class& it's Syntax
- Object& it's Syntax
- Reference Variable
- Constructors
- Instance(Non-Static) & Static Variables
- Instance(Non-Static) & Static Methods
- this Keyword and it's usages
- Object & Static Initializers (Anonymous Blocks)
- inheritance & its Syntax
- Types of Inheritance
- Object Class as Root of Java Class Hierarchy
- Variable Hiding
- Method Hiding
- Method Overriding
- Method Overloading

Course Curriculum

- Super keyword and its usages
- Final keyword and its usages
- Constructor Chaining
- Upcasting and Downcasting
- Static & Dynamic Binding
- Runtime Polymorphism
- Abstract Keyword (Abstract classes and methods)
- Understanding Interfaces
- Implementation of Encapsulation
- Association with Implementation

PACKAGES

- Understanding Packages
- Setting Classpath
- Reading Input from Keyboard
- Access Modifiers
- With in Package & Outside Package
- Implements

NESTED TYPES

- Static Nested Class
- Non-static Nested Class
- Local Class
- Anonymous Class
- Nested Interface

ARRAYS

- General Definition of Array Advantages from Array

- Arrays in Java
- 1-d Arrays
- 2-d Arrays
- Jagged Arrays
- Array of reference type
- Operations on Arrays
- User Define Array & Object Type

COMMAND LINE ARGUMENTS AND WRAPPER CLASSES

- Wrapper Classes
- Parsing of Numeric Strings
- String representation of Primitives

EXCEPTION HANDLING

- Types of Runtime Errors
- Understanding Exceptions
- Exception Class Hierarchy
- Try & Catch Blocks
- Patterns of Catch Block
- Nested Try statements
- Throw, throws and finally
- Creating Custom Exceptions
- Checked & Unchecked Exceptions
- Assertion

WORKING WITH STRINGS

- What is String
- String Class

Course Curriculum

- Creating String Object
- Operations on String
- String Buffer Class and it's Methods
- Difference between String and String Buffer class
- StringBuilder Class and it's Methods
- Difference between StringBuffer and StringBuilder

SWING

- Introduction to AWT
- Introduction to Swing Components
- Look And Feel of Swing Components
- MVC Architecture of Swing Components
- Working with Image
- Advance Swing Components
- JOptionPane, JTree, JTable, JTabbedPane
- JFileChooser, JcolorChooser
- Menu Components
- JMenu
- JMenuItem
- JMenuBar

MULTITHREADED PROGRAMMING

- Multitasking: Why Concurrent Execution
- Multiprocessing v/s Multithreading
- Main Thread (Default Java Thread)
- Creating Child Threads and understanding context switching

- Thread States
- Thread Group
- Thread Synchronisation: Methods and Blocks
- Inter-Thread communication
- Daemon Threads
- Deadlock

I/O STREAMS

- What is I/O
- Why Need Streams
- Byte Streams and Character Streams
- Read/Write operations with file
- Scanner Class
- Object Serialization & Deserialization
- Transient keyword
- File Class and it's Methods

SOCKET PROGRAMMING

- Understanding Fundamentals of a Network
- Socket and ServerSocket Classes
- InetAddress Class
- DatagramSocket and DatagramPacket Classes URL, URLConnection, HttpURL Connection Classes

REFLECTION

- Understanding the Need Of Reflection

Course Curriculum

- Getting information about class's modifiers, fields, methods, constructors and superclasses Finding out constant and method declaration belong to an interface
- Creating an instance of the class whose name is not known until runtime
- Getting and setting values of an object's field if field name is unknown until runtime
- Invoking Private Methods
- Invoking a method on an object if the method is unknown until runtime

EXTENDED & UTILITY CONCEPTS

- Generics
- Lambda Expression
- Annotations
- Object Cloning
- Vargs
- Static-import
- Enum
- Static, Default and Private Methods of Interface
- Var Type
- Java Modules
- Stream API

COLLECTIONS FRAMEWORK

- What is Collection?
- What is Framework?
- Collections Framework
- Core Interfaces
- Collection, List, Queue, Deque
- Set, NavigableSet, SortedSet Map, NavigableMap, SortedMap
- Core Classes
- ArrayList, LinkedList, Priority Queue, ArrayDeque
- HashSet, LinkedHashSet, TreeSet,
- HashMap, IdentityHashMap, WeakHashMap, LinkedHashMap, Tree Map
- Accessing a Collection via an Iterator
- Accessing List via ListIterator
- Accessing a Collection via for each loop
- Working with User Defined Objects
- The Comparator and Comparable Interfaces
- The Legacy classes and Interfaces.
- Enumeration, Vector, Stack
- Hashtable, Properties

DATE & TIME API

- java.util.Date
- java.util.Calendar
- java.sql.Date

Course Curriculum

SYSTEM PROPERTIES & INTERNATIONALISATION

(I18N)

- Understanding Locale
- Resource Bundle
- Usage of properties file
- Fetching text from Resource Bundle
- Displaying the text in HINDI

INTRODUCTION TO SQL (PROJECT BASED)

DATABASE PROGRAMMING USING JDBC

- Need Of JDBC
- JDBC Drivers
- Statement, PreparedStatement, CallableStatement
- Scrollable and Updatable ResultSet
- Batch Updates
- Transaction
- Metadata
- Connection Database
- Oracle
- My SQL

JAVA EE (JAVA PLATFORM ENTERPRISE EDITION)

- Understanding the Concept of Java EE:
JEE Specification
- Java EE Architecture
- Single Tier
- Two Tier
- Three Tier

- N-Tier
- Java EE Components\
Web Components
- Distributed (Business) Components
Java EE Containers & Servers
- Web Container & Web Server
(Apache Tomcat)
- EJB Container & Application Server
(Weblogic, Glassfish, Websphere)
- Java EE Services
- JNDI Service
- Java Transaction Service
- JAAS
- JMS

JAVA SERVLET

- Introduction to web programming
- Role of Servlet in web programming
- Servlet Lifecycle
- Servlet with Annotations
- @WebServlet
- @WebInitParam
- @WebListener
- @WebFilter
- @MultipartConfig
- Request Dispatching
- Parameters & Attributes their differences
- ServletConfig and ServletContext
- File Uploading and Downloading

Course Curriculum

Session Tracking & State Management

- Cookie
- Url Rewriting
- Hidden Form Field
- Session Object
- Events & Listeners
- Dependency Injection
- Refreshing Servlet
- Filters

JAVA SERVER PAGES (JSP) & JSTL

- JSP Architecture
- JSP Elements
- JSP Objects
- Understanding JavaBeans
- Custom Tags
- Using tags of JSTL
- Expression Language

PROJECT CLASSES

- Back End Coding
- DATABASE DESIGNING
- Connecting forms to database
- Writing Business Logic
- Project Hosting
- DESIGN PATTERN
- Why Design Patterns...?
- Front Controller
- Composite View
- Factory Pattern

- Singleton Pattern
- DAO Pattern

JAVA MAIL API

- Email System and Protocols
- Sending & Receiving Mails
- Handling Attachments

INTRODUCTION TO DISTRIBUTED PROGRAMMING

- RMI
- Web Services

INTRODUCTION TO RESTFUL SERVICES

- @PathParam
- @Path
- @FormParam
- @QueryParam
- @DefaultValue

OVERVIEW OF JPA FRAMEWORK

SPRING

- What is Spring?
- Spring modules
- Understanding dependency Injection
- Applying aspect-oriented programming

MAVEN DEPLOYMENT

- Maven Configuration
- Converting Maven to Eclipse
- Various Maven Command

BASIC BEAN WIRING

Course Curriculum

- Containing your Bean
- Creating bean
- Injecting into bean properties

Auto wiring

Controlling bean creation

- Aspect Oriented Programming

INTRODUCTION TO HIBERNATE

- Hibernate Architecture
- Hibernate configuration
- Hibernate's Support for Other Technologies
- Installing Hibernate
- A "Hello world" stand alone application

CREATING PERSISTING CLASSES

- Mapping a basic Java Class
- Mapping a Class with Binary Data
- Mapping a Serializable Class

Mapping a class with Data/calendar attributes

- Mapping a Read-only class
- Mapping a class using Versioning /Timestamps

MAPPING INHERITANCE WITH JAVA CLASSES

- Table-Per-class Hierarchy Mapping
- Table-Per-subclass Hierarchy Mapping
- Table-Per-concrete-subclass Hierarchy Mapping
- Persistence interfaces

WORKING WITH COLLECTIONS

- Associations
- Lazy initialization
- Mapping Maps/Sorted Maps
- Mapping Sets/Sorted Sets
- Mapping lists
- Mapping Arrays
- Mapping a Bidirectional Association

HIBERNATE CACHING

- How caching improves performance
- First level cache
- Second level cache

SPRING BOOT

- Introduction To Spring Boot
- Spring Boot Annotation
- Spring Boot & JDBCTemplate
- Spring Boot & JPA Hibernate
- Spring Boot Rest API
- Spring Boot MVC
- Spring Boot Security

Course Curriculum

Python Overview

- o Why do we need Python?
- o Program structure

Environment Setup

- Python Installation
- Execution Types
- What is an interpreter?
- Interpreters vs Compilers
- Using the Python Interpreter
- Interactive Mode
- Running python files
- Working with Python shell
- Integrated Development Environments
- Interactive Mode Programming
- Script Mode Programming

Basic Concepts

- Basic Operators
- Types of Operator
- Python Arithmetic Operators
- Python Comparison Operators
- Python Assignment Operators
- Python Bitwise Operators
- Python Logical Operators
- Python Membership Operators (in, not in)
- Python Identity Operators (is, is not)
- Python Operators Precedence

Basic Concepts

- Data Types
- Variables
- Assigning Values to Variables
- Multiple Assignment
- Python Numbers
- Python Strings
- Accessing Values in Strings
- String Special Operators
- String Formatting Operator
- Triple Quotes
- Built-in String Operations
- Python Lists
- Accessing Values in Lists
- Updating Lists
- Delete List Elements
- Basic List Operations
- Indexing, Slicing, and Matrixes
- Built-in List Functions & Methods
- Python Tuples
- Accessing Values in Tuples
- Updating Tuples
- Delete Tuple Elements
- Basic Tuples Operations
- Indexing, Slicing, and Matrixes
- No Enclosing Delimiters
- Built-in Tuple Functions

Course Curriculum

- Python Dictionary
- Accessing Values in Dictionary
- Updating Dictionary
- Delete Dictionary Elements
- Properties of Dictionary Keys
- Built-in Dictionary Functions & Methods

Basic Operators in Python

- Types of Operator
- Python Arithmetic Operators
- Python Comparison Operators
- Python Assignment Operators
- Python Bitwise Operators
- Python Logical Operators
- Python Membership Operators
- Python Identity Operators (is, is not)
- Python Operators Precedence

Loops and Decision Making

- if statements
- ..else statements
- nested if statements
- while loop
- for loop
- nested loops
- Loop Control Statements
- 1) break statement
- 2) continue statement
- 3) pass statement

SECTION – II Functions

- Defining a Function
- Syntax
- Calling a Function
- Pass by reference vs value
- Function Arguments
- Required arguments
- Keyword arguments
- Default arguments
- Variable-length arguments
- The return Statement
- Scope of Variables
- Global vs. Local variables

Python Modules and Packages

- Framework vs Packages
- Folium Introduction
- Why are modules used?
- Creating modules
- The import Statement
- The from...import Statement
- The from...import * Statement
- Locating Modules
- The PYTHONPATH Variable
- Namespaces and Scoping
- The dir() Function
- The globals() and locals() Functions
- The reload() Function
- Packages in Python

Course

Curriculum

Basic OOPs Concept

- Creating class in Python
- Documented String
- Private Identifier
- Constructor
- Inheritance
- Polymorphism

Decorator, Iterator and Generator

- Anonymous Function
- Lambda
- Map
- Filter
- Reduce

SECTION -III

File Manipulation

- Opening Text File
- Working with a File on Python
- The open function
- File modes
- The file object attributes
- close() method
- write() method
- read() method
- Files: Input
- Files: Output
- Reading files

- Renaming & deleting files
- Writing into a file
- remove() method

Python GUI

- Basic Operations using Tkinter
- Buttons and Textbox
- Menu Bar
- Message Box and Radio Button
- Checkbox and Event Creating
- Creating Application in GUI

SQL and Python

- Overview of SQLite
- Integrating Python with SQLite

Advanced Concept - Overviews

- Networking Overview
- Sending and Receiving Email by Python
- Basics of Pandas and Numpy
- How to use Anaconda
- How to create dashboard
- Overview of Django

Course Curriculum

Express Framework

Detailed course contents:

Express Framework - (Building RESTful API's)

- Introduction
- RESTful Services
- Introducing Express
- Building Your First Web Server
- Nodemon
- Environment Variables
- Route Parameters
- Handling HTTP GET Requests
- Handling HTTP POST Requests
- Calling Endpoints Using Postman
- Input Validation
- Handling HTTP PUT Requests
- Handling HTTP Delete Requests

Express - Advanced Topics

- Middleware
- Creating Custom Middleware
- Built-In Middleware
- Third-party Middleware
- Environments
- Configuration
- Debugging

Asynchronous JavaScript

- Synchronous Vs. Asynchronous Code
- Patterns For Dealing with Asynchronous Code

- Callbacks
- Callback Hell
- Named Functions to Rescue
- Promises
- Replacing Callbacks with Promises
- Consuming Promises
- Creating Settled Promises
- Running Parallel Promises
- Async and Await

Node.js

Detailed course contents:

Overview and Architecture

- What is Node
- Node Architecture
- How Node Works
- Installing Node
- Your First Node Program
- Event Loop

Node Module System

- Introduction
- Global Object
- Modules
- Creating a Module
- Loading a Module
- Module Wrapper Function
- Path Module

Course Curriculum

- OS Module
- File System Module
- Events Module
- Event Arguments
- Extending Event Emitter
- HTTP Module

Node Package Manager (NPM)

- Introduction
- Package.json
- Installing a Node Package
- Using a Package
- Package Dependencies
- NPM Packages and Source Control
- Semantic Versioning
- Listing the Installed Packages
- Viewing Registry Info for a Package
- Installing a Specific Version of a Package
- Updating Local Packages
- DevDependencies
- Uninstalling a Package
- Working with Global Packages
- Publishing a Package
- Updating a Published Package

Asynchronous JavaScript

Detailed course contents:

CRUD Operations Using MongoDB

- Installing MongoDB
- Connecting to MongoDB
- Schemas
- Models
- Saving a Document
- Querying Documents
- Comparison Query Operators
- Logical Query Operators
- Regular Expressions
- Updating Documents- Query First
- Updating a Document- Update First
- Removing Documents

Handling and Logging Errors Deployment

- Introduction
- Preparing the App for Production
- Preparing the App for Deployment
- Adding the Code to a Git Repository
- Setting Environment Variables
- MongoDB in the Cloud

Course Curriculum

Database

MongoDB

Detailed course contents:

CRUD Operations Using MongoDB

- Installing MongoDB
- Connecting to MongoDB
- Schemas
- Models
- Saving a Document
- Querying Documents
- Comparison Query Operators
- Logical Query Operators
- Regular Expressions
- Updating Documents- Query First
- Updating a Document- Update First
- Removing Documents

Authentication and Authorization

- Introduction
- Creating the User Model
- Registering Users
- Authenticating Users
- Testing the Authentication
- JSON Web Tokens
- Generating Authentication Tokens
- Storing Secrets in Environment Variables
- Setting Response Headers
- Encapsulating Logic in Mongoose Models

- Authorization Middleware
- Protecting Routes
- Getting the Current User
- Logging Out Users
- Role Based Authorization
- Testing the Authorization

Handling and Logging Errors Deployment

- Introduction
- Preparing the App for Production
- Preparing the App for Deployment
- Adding the Code to a Git Repository
- Setting Environment Variables
- MongoDB in the Cloud

INTRODUCTION TO SQL(PROJECT BASED)-3 Hours

DATABASE PROGRAMMING USING JDBC -1 Hours

- Need Of JDBC
- JDBC Drivers
- Statement, PreparedStatement, Callable Statement
- Scrollable and Updatable ResultSet
- Batch Updates
- Transaction
- Metadata
- Connection Database
- Oracle
- My SQL



CERTIFICATE OF TRAINING

(ISO 9001 : 2015 Certified)

PROUDLY PRESENTED TO

Devanshi Pande

You have successfully completed your
Four Months Training on Data Analytics with specialisation in Python.

28TH JULY 2023

DATE



MR. PRADIP MEHTA

Founder

Certified By :



Our Alumnus & Companies





UnCodemy

UNCODEMY LIFE IN CAMPUS

Life on campus at UnCodemy is vibrant and engaging. Here's what you might experience:

1. Interactive Learning: UnCodemy fosters a dynamic learning environment. You'll engage in hands-on workshops, coding challenges, and collaborative projects, allowing you to apply what you learn in real-world scenarios.

2. Tech Culture: The campus buzzes with a tech-savvy atmosphere. From hackathons to tech talks by industry experts, immersed discussions about the latest innovations and trends in the tech world.

3. Diverse Community: You'll meet students from diverse backgrounds, all technology. This diverse community fosters a rich and perspectives.

4. Supportive Environment: Faculty and mentors are readily available to support your academic and personal growth. Whether it's tutoring, career advice, or simply a friendly chat, there's always someone willing to help.

5. Extracurricular Activities: Beyond academics, there are clubs, sports teams, and social events that provide to unwind, make friends, outside the classroom.

6. Innovation Hub: UnCodemy encourages innovation and entrepreneurship. You'll have access to resources like incubators, workshops, and networking events to develop your ideas and projects.

7. State-of-the-Art Facilities: The campus is equipped with modern facilities, including well-equipped labs, libraries, and recreational areas, providing an ideal environment for learning and relaxation.

8. Career Opportunities: UnCodemy offers career development resources such as career fairs, internships, and connections to industry partners, setting you up for success after graduation.







UnCodemy

AGILE ACTIVITY IN UNCODEMY

Sure, here are the top 10 Agile activities in the IT industry

1. Daily Stand-up Meetings: Short, daily meetings where team members discuss what they accomplished yesterday, what they plan to do today, and any obstacles they are facing.

2. Sprint Planning: A meeting at the start of each sprint where the team plans the work to be completed during the sprint.

3. Backlog Grooming: Regularly reviewing and refining the product backlog to ensure it contains the appropriate items, prioritized correctly.

4. Sprint Review: A meeting at the end of each sprint where the team demonstrates the work completed during the sprint and gathers feedback from stakeholders.

5. Sprint Retrospective: A meeting at the end of each sprint where the team reflects on what went well, what didn't, and identifies actions for improvement.

6. User Story Mapping: Collaboratively visualizing the user's journey through the product to identify all possible features and prioritize them.

7. Agile Estimation Techniques: Using techniques like Planning Poker or T-Shirt sizing to estimate the effort required for user stories or tasks.

8. Continuous Integration (CI): Developers integrate their code into a shared repository frequently, usually multiple times a day.

9. Test-Driven Development (TDD): Writing automated tests before writing the code to implement the corresponding feature.

10. Pair Programming: Two programmers work together at one workstation. One writes the code while the other reviews each line as it is written. They switch roles frequently.



OUR CORE INSIGHTS



Seminar Participation Certificate



Certificate For Appreciation



Industrial Visit Participation



Mock Interviews



Course Completion Certificate



Confidence Building



Industry Expert Trainers



Group Discussion



Live Classes



Batch Completion



Agile Activity Participation



Project Completion Certification



Agile Activity Program



Internship Certificate



College Seminar Cum Workshop

UNICODEMY TRAINERS



Dr. Vijay K. Gupta

Founder, MD & CEO
Uncodemy Edutech Pvt. Ltd.

“6+ years of diverse experience of skill training & scheme implementation at Ministry(MoSJ&E), Govt. of India.]. 7+ years of Research experience as M.Phil & Ph.D. Research Scholar at University of Delhi |Qualified JRF & NET for Assistant Professor of UGC | Software Testing Team instructor| course curriculum Coordinator |Motivational speaker| Mentor| Educator | Learner.



Mr. Gangesh K. Gaur

Founder, MD & CEO
Uncodemy Edutech Pvt. Ltd.

“CEO and Founder of GvCloud Secure and 10 other software and IT services companies, with over 12 years of experience delivering high-quality web and mobile applications for clients in the USA, Canada, UK, Singapore, Australia, and India. Specializes in developing responsive iPhone and Android apps with deep expertise in iOS Swift, Android SDK, JavaScript, WordPress, HTML, CSS, Node.js, Express, MongoDB, Shopify, and software testing. Proficient in cutting-edge technologies like augmented reality, IoT, blockchain, & artificial intelligence. Additionally, has trained over 5,000 IT professionals, significantly impacting their careers and lives.



Mr. Pradyumn Singh

Head of Training & Placement Department

“Head of Training & Placement at Uncodemy. With 8 years of expertise, he has led Software Testing, Development, and Digital Marketing teams. Currently, Pradyumn directs his focus on ensuring top-quality training at Uncodemy and facilitating successful student placements. A seasoned professional with a strategic vision, he plays a pivotal role in shaping the educational and career paths of aspiring individuals at Uncodemy.



Mr. Udit Sharma

Lead of Development & Testing Department

“Lead of Development & Testing at Uncodemy. With 5 years of expertise, he has led Testing & Development Team. Currently, Mr. Udit directs his focus on ensuring top-quality training for Testing & Development Department at Uncodemy and facilitating successful student placements.

Our Industry Expert Trainers



Ms. Sonal Rana

Full Stack Development | Core & Advance Java | Spring MVC | Angular | Reactjs | MySQL

“Professional Java trainer has extensive knowledge of Java programming combined with good presentation and teaching abilities. Has master’s degree in computer application, strong understanding of Java Development, and over 8+ years of experience. Skills Set: Java 8, J2EE, Spring Boot, Hibernate, JUnit, Maven Microservices, Reactjs, and Angular.



Mr. Rajesh Kumar Mandal

Full Stack Development | Express.js | React.js | Node.js | JavaScript | Python | Django | Flask

“Mr. Rajesh, an experienced MERN Full Stack Developer, is proficient in building end-to-end applications using MongoDB, Express.js, React.js, and Node.js. With a strong foundation in Frontend and Backend, and comprehensive understanding of Python programming, and hands-on experience in developing scalable applications. He holds a master’s degree in computer science and possesses over 10+ years of expertise. Skills Set: MongoDB, Express.js, React.js, Node.js, Python, JavaScript (ES6+), RESTful APIs, Git.



Mr. Bambam Kumar Yadav

Full Stack Developer(HTML, CSS, JS, MongoDB, Express.js, React, Node.js) | Software Developer | Digital Marketing |

“Meet a versatile individual who seamlessly navigates the domain of technology and marketing. Armed with three years of hands-on experience, this adept professional a maestro in full-stack development and a savvy navigator in the world of digital marketing. Having dived into the depths of 30+ projects, their expertise spans the entire spectrum, from crafting robust code to adapt impactful marketing strategies.



Mr. Snehank Singh

Wordpress Developer | Custom Plugin | Express.js | React.js | Node.js | JavaScript |

“Mr. Snehank, an experienced WordPress Developer and Full stack, is proficient in building end-to-end applications using Frontend Javascript, Reactjs, Backend Nodejs, and the database MongoDB. With a strong foundation in WordPress, Frontend, and Backend, and comprehensive understanding of Nodejs, and hands-on experience in developing scalable applications.

Congratulations

Placement



TSYS



annalect



genpact



Netscape



RAZORSE



FINCART
PLAN | INVEST | PROSPER



elmenus



PREDOMIX



VITRAYA



Itorix Infotech
YOUR PARTNER FOR DIGITAL GROWTH



LEGAL



UC
UnCodemy



Xornor
TECHNOLOGIES



UC
UnCodemy



UC
UnCodemy



CoolBoots
Backed by Times Internet



WYZMINDZ



SIT



HELM360



PREDOMIX

Congratulations To our selected students

Congratulations

Placement



TANVI SINGH



RAJENDRA YADAV



ABHISHEK KUMAR



ABHILASHA RATHI



RUBY SHARMA



ADITYA SINGH



PRIYA PARIHAR



DEVENDRA KUMAR



Neha Sharma



NEHA



ARUN PAL



BABITA SINGH



DEEPAK



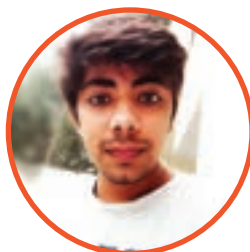
JUHI SHARMA



NAMRATA



PRASHANT



CHIRAG GUPTA



SAURABH MISHRA



SHURTI



AKASH SINGH



Congratulations To our selected students

Congratulations

Placement



VIVEK TRIPATHI



GURUKRIPA G. SHRIVASTAV



SANDIPAN SAMANTA



ANKIT SINGH



ASHISH BUTOLA



KHUSHBHU AGARWAL



FIROZ KHAN



RAHUL



SANGEETA



SAGAR BAJIRAO



POOJA SHARMA



DIPIKA BHATNAGAR



ANKESH PRATAP



ANJALI



NEEVA SHAH



SHASHIDHAR



KULDEEP SINGH



PAWAN MEHRA



NEEVA



Congratulations To our selected students

SUCCESS STORIES



BABITA

Company
HCL

Uncodemy is the perfect place to start your Full stack Dev. career, as they provide regular live classes with doubt resolution. Moreover, they also allow students to book additional mentor - ship to sessions with industry experts tounderstand challenging topics better and gain industry insights. Uncodemy as highly as possible and suggest all the aspirants join Uncodemy with hesitation.



RITESH SINGH

Company : Bloohash

After spending 2 years in Non-IT job, decided to switch to IT job. Uncodemy is one of the leading brand in this section. I have complete here Full stack developer training course. They have very good trainers and HR team Who helps you to find the right job. The training content is very excellent and very useful to get your dream IT job. special thanks to Shivendra Sir, Ug sir, Anam Ma'am and HR department team for proper guidance and help throughout this journey. Now I'm working in the leading IT company with good package, all thanks to Uncodemy team.



ADITYA SINGH

Company : Deloitte

Uncodemy is a good place to start up if you are looking for a career transition or build a career in Full Stack Developer . Moreover, guest lectures by Upendra sir are very insightful. Very efficient manage to reach out for any help during train - ing. The best thing is, they also offer support in looking for jobs post training. Thank You..



NEELAM

Company : wipro

I've always wanted to create complete web applications on my own. | went for an Uncodemy Full stack developer Course. | am 50 grateful to Uncodemy now because | can fulfil my dream. Their staff and training are 50 fruitful, They will walk you through the process of building your first Full stack developer all application. If you Want to be a good program developer, hurry up and go for the Uncodemy Testing . Full stack developer.

SUCCESS STORIES



AKSHAY PATIL

Company
Annalect

My experience with Uncodemy has been very enriching. Being a student from a completely non IT background has never been a difficulty because of their practical ways of teaching and hands on case studies. The faculty here is always there to guide and help the students in solving their doubts. Uncodemy also provides lifetime placement assistance. I would highly recommend anyone interested in the Full stack developer course and to go to this institution. Thank You.

SAURABH MISHRA

Company : KPMG



Best IT Training institute in Delhi
NCR for Full stack developer
I am from Non-IT background and joined for Full stack developer. I got more support and guidance from the trainers. Upendra Sir and Irshad Sir Trainers are more friendly and supportive. Able to learn coding language quickly because of trainers teachings. Thank you trainers and Uncodemy team.



ADITYA SINGH

Company : Deloitte

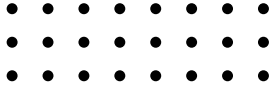
I joined the Full stack Dev. course in Noida from Uncodemy. Upendra sir is well experienced & stupendous teaching, I really obtained more knowledge and also real-time scenarios. if you aspire to learn Full stack developer or Java and Python for an awesome trainer to help with your learning journey. then blindly go ahead and enroll in Uncodemy. By the end of the classes most of the topics will be registered into your memory and you will get a fair idea of how to implement them in real-time scenarios. I'm lucky to find the right trainer and the best training institute in my learning journey.
Thank You

NEHA SHARMA

Company : Infosys



"I can't speak highly enough about Uncodemy's Full stack developer course. It's been a transformative experience for my career. The course content was up-to-date and comprehensive, covering all aspects of digital marketing from SEO to social media, PPC, and analytics. The instructors were not only experts in their fields but also passionate about teaching. What truly sets Uncodemy apart is their practical approach. I got to work on real campaigns and projects, which gave me the hands-on experience I needed. The support from both instructors and fellow students made to journey enjoyable and engaging. Thanks to Uncodemy, I now feel confident in my Full stack developer skills and have advanced my career. If you're looking to excel in Full stack developer, look no further than Uncodemy. It's a game-changer.



UnCodemy

Contact Us

For Counselling/Admission

Call us:- +91 7701928515 / +91 8766313646

Email:- info@uncodemy.com

For Support/Complaint Assistance:

Call us:- +91-8800-02-3723

Email:- Support@uncodemy.com

Connect on Social Media for Updates

 <https://in.linkedin.com/company/uncodemy>

 <https://www.instagram.com/uncodemyofficial/>

 <https://www.facebook.com/uncodemyofficial/>

 <https://www.youtube.com/@uncodemylearning>

