

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

LAPT Certification Class 11



LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

AWARD	Certificate
ASSESSMENT	3800 marks — 2280 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Professional Masters in Accounting & Taxation (Aligned with NEP 2020)

5 chapters · 30 classes100 marks

• 1 Unit 1 — GST Registration, Returns and Compliance — 6 classes

› 1.1 Understand the Fundamentals of GST Registration

› 1.2 Explore Eligibility Criteria for GST Registration

› 1.3 Navigate the GST Registration Process Step-by-Step

› 1.4 Analyze Different Types of GST Returns

› 1.5 Comply with GST Filing Deadlines and Formats

› 1.6 Apply Best Practices for GST Compliance and Record Keeping

• 2 Unit 2 — Income Tax — Heads of Income and Computation — 6 classes

› 2.1 Identify Different Heads of Income in Income Tax

› 2.2 Analyze Salaries and Wages as a Source of Income

› 2.3 Evaluate Income from House Property and its Implications

› 2.4 Explore Profits and Gains from Business and Profession

› 2.5 Assess Capital Gains and their Taxation Mechanisms

› 2.6 Compute Total Income and Taxable Income Based on Heads

• 3 Unit 3 — Tally ERP and Accounting Software Mastery — 6 classes

› 3.1 Explore the Basics of Tally ERP: Interface and Navigation

› 3.2 Set Up Company Profiles in Tally ERP for Effective Accounting

› 3.3 Create and Manage Ledger Accounts in Tally ERP

› 3.4 Record Transactions: Sales, Purchases, and Payments in Tally ERP

› 3.5 Generate Financial Reports: Profit and Loss Statement in Tally ERP

› 3.6 Implement VAT and Tax Computation in Tally ERP for Compliance

• 4 Unit 4 — Business Accounting — Final Accounts and Ledgers — 6 classes

› 4.1 Understand the Structure of Final Accounts

› 4.2 Analyze the Components of Profit and Loss Statements

› 4.3 Explore the Balance Sheet Format and Its Purpose

› 4.4 Identify Key Ledger Accounts and Their Functions

› 4.5 Prepare Basic Final Accounts from Trial Balance

› 4.6 Evaluate the Importance of Final Accounts in Business Decision Making

• 5 Unit 5 — Taxation Compliance Project and Case Studies — 6 classes

› 5.1 Understand Key Taxation Compliance Regulations and Requirements

› 5.2 Analyze Real-World Case Studies in Taxation Compliance

› 5.3 Identify Common Tax Compliance Challenges and Solutions

› 5.4 Develop a Tax Compliance Checklist for Businesses

› 5.5 Evaluate the Impact of Non-Compliance on Corporate Finances

› 5.6 Create a Tax Compliance Strategy for a Hypothetical Company

• 1 Unit 1 — Machine Learning Concepts and Algorithms — 6 classes

- › 1.1 Explore the Fundamentals of Machine Learning
- › 1.2 Identify Key Types of Machine Learning Algorithms
- › 1.3 Analyze Supervised Learning Techniques
- › 1.4 Investigate Unsupervised Learning Methods
- › 1.5 Apply Evaluation Metrics for Machine Learning Models
- › 1.6 Design a Simple Machine Learning Project

• 2 Unit 2 — Neural Networks and Deep Learning Fundamentals — 6 classes

- › 2.1 Define Neural Networks and Explore Their Components
- › 2.2 Understand Activation Functions and Their Role in Learning
- › 2.3 Develop Basic Neural Network Structures Using Layers
- › 2.4 Implement Backpropagation for Training Neural Networks
- › 2.5 Explore Convolutional Neural Networks for Image Processing
- › 2.6 Apply Neural Networks to Real-World Problems Through Case Studies

• 3 Unit 3 — AI Tools — TensorFlow Lite, Teachable Machine — 6 classes

- › 3.1 Explore TensorFlow Lite: Understanding Its Architecture and Use Cases
- › 3.2 Set Up Your Environment: Installing TensorFlow Lite and Required Tools
- › 3.3 Create a Simple Model: Using Teachable Machine to Generate AI Models
- › 3.4 Convert Models: Transitioning from Teachable Machine to TensorFlow Lite
- › 3.5 Deploying Your Model: Implementing TensorFlow Lite on Mobile Devices
- › 3.6 Troubleshooting and Optimizing: Best Practices for TensorFlow Lite Performance

• 4 Unit 4 — Natural Language Processing Introduction — 6 classes

- › 4.1 Explore the Fundamentals of Natural Language Processing
- › 4.2 Analyze Key Techniques in Text Processing
- › 4.3 Understand Tokenization and Its Importance
- › 4.4 Implement Basic Sentiment Analysis using NLP Tools
- › 4.5 Evaluate Named Entity Recognition Applications
- › 4.6 Create a Simple Chatbot using NLP Concepts

• 5 Unit 5 — AI Real-World Project — Data to Deployment — 6 classes

- › 5.1 Identify and Define Real-World Problems for AI Solutions
- › 5.2 Collect and Prepare Data for AI Model Development
- › 5.3 Select Appropriate AI Techniques and Algorithms for Deployment
- › 5.4 Develop and Train AI Models Using Industry Tools
- › 5.5 Evaluate and Optimize AI Models for Real-World Applications
- › 5.6 Deploy AI Solutions and Assess Impact in Real-World Scenarios

• 1 Unit 1 — Advanced Vehicle Systems — EFI, ABS, Airbags — 6 classes

- › 1.1 Explore the Fundamentals of Electronic Fuel Injection (EFI)
- › 1.2 Analyze the Components and Mechanisms of EFI Systems
- › 1.3 Investigate Anti-lock Braking Systems (ABS) and Their Benefits
- › 1.4 Examine the Operation and Safety Features of Airbag Systems
- › 1.5 Compare and Contrast the Impact of EFI, ABS, and Airbags on Vehicle Safety
- › 1.6 Apply Knowledge by Diagnosing Common Issues in Advanced Vehicle Systems

• 2 Unit 2 — Vehicle Electrical and Electronic Diagnostics — 6 classes

- › 2.1 Identify Key Components of Vehicle Electrical Systems
- › 2.2 Explain the Principles of Electrical Circuits in Vehicles
- › 2.3 Diagnose Common Electrical Faults Using Multimeters
- › 2.4 Analyze Diagnostic Trouble Codes (DTCs) Using OBD-II Scanners
- › 2.5 Perform Circuit Testing and Analysis for Effective Troubleshooting
- › 2.6 Implement Solutions for Electrical System Failures in Vehicles

• 3 Unit 3 — Transmission, Suspension and Steering Systems — 6 classes

- › 3.1 Explore the Fundamentals of Transmission Systems
- › 3.2 Identify Key Components in Suspension Systems
- › 3.3 Analyse the Different Types of Steering Mechanisms
- › 3.4 Compare Transmission and Suspension System Functions
- › 3.5 Evaluate Real-World Applications of Steering Systems
- › 3.6 Design a Basic Suspension and Steering System Prototype

• 4 Unit 4 — Workshop Management and Service Protocols — 6 classes

- › 4.1 Understand Workshop Layout and Design Principles
- › 4.2 Identify Key Equipment and Tools for Automotive Workshops
- › 4.3 Implement Safety Standards and Protocols in the Workshop
- › 4.4 Develop Efficient Service Scheduling Techniques
- › 4.5 Assess Customer Service Best Practices in Automotive Care
- › 4.6 Evaluate Performance Metrics for Workshop Management

• 5 Unit 5 — Automotive Project — Inspect, Service and Report — 6 classes

- › 5.1 Identify Key Components of Automotive Systems
- › 5.2 Demonstrate Inspection Techniques for Vehicle Safety
- › 5.3 Conduct Routine Service Procedures on Automotive Systems
- › 5.4 Record and Document Service Findings Accurately
- › 5.5 Analyze Diagnostic Reports for Common Issues
- › 5.6 Develop a Comprehensive Service Report for Clients

• 1 Unit 1 — Advanced Banking Operations and Treasury — 6 classes

- › 1.1 Analyse the Role of Treasury in Modern Banking
- › 1.2 Explore Advanced Banking Operations and Their Impacts
- › 1.3 Investigate Risk Management Techniques in Banking
- › 1.4 Implement Effective Liquidity Management Strategies
- › 1.5 Assess Financial Instruments Used in Treasury Operations
- › 1.6 Create a Treasury Management Plan for a Banking Institution

• 2 Unit 2 — Financial Instruments — Bonds, Equity, Derivatives — 6 classes

- › 2.1 Define and Differentiate Key Financial Instruments
- › 2.2 Explore the Characteristics and Types of Bonds
- › 2.3 Analyze Equity Markets and the Role of Shareholders
- › 2.4 Understand Derivatives: Types, Uses, and Risks
- › 2.5 Evaluate Investment Strategies Using Financial Instruments
- › 2.6 Apply Knowledge of Financial Instruments in Real-World Scenarios

• 3 Unit 3 — Credit Analysis and Lending Decisions — 6 classes

- › 3.1 Analyze Creditworthiness through Financial Statements
- › 3.2 Assess Risk Factors in Lending Decisions
- › 3.3 Evaluate Different Credit Scoring Models
- › 3.4 Explore Regulatory Framework for Lending
- › 3.5 Apply Ratio Analysis in Credit Analysis
- › 3.6 Formulate Lending Recommendations based on Case Studies

• 4 Unit 4 — Risk Management and Regulatory Compliance (RBI) — 6 classes

- › 4.1 Identify Key Risks in Banking Operations
- › 4.2 Analyze the Impact of Regulatory Compliance on Financial Institutions
- › 4.3 Explore Risk Management Frameworks in Banking
- › 4.4 Evaluate Regulatory Bodies and Their Role in Risk Management
- › 4.5 Implement Best Practices for Risk Mitigation Strategies
- › 4.6 Develop a Compliance Audit Plan for Financial Services

• 5 Unit 5 — Banking and Financial Services Project — 6 classes

- › 5.1 Explore the Role of Banking in Economic Development
- › 5.2 Analyze Financial Services: Types and Functions
- › 5.3 Investigate Risk Management Practices in Banking
- › 5.4 Examine Regulatory Frameworks Affecting Financial Services
- › 5.5 Develop a Comprehensive Banking Project Proposal
- › 5.6 Present and Critique Banking and Financial Services Projects

• 1 Unit 1 — Advanced Cosmetology — Skin and Hair Science — 6 classes

- › 1.1 Explore Skin Anatomy and Physiology
- › 1.2 Analyze Common Skin Conditions and Disorders
- › 1.3 Investigate Hair Structure and Growth Patterns
- › 1.4 Evaluate Hair and Scalp Disorders
- › 1.5 Implement Advanced Skin Treatment Techniques
- › 1.6 Design Customized Hair Care Regimens

• 2 Unit 2 — Spa Treatments — Body Wraps, Massages and Therapies — 6 classes

- › 2.1 Explore the Origins and Benefits of Body Wraps
- › 2.2 Identify Different Types of Body Wrap Ingredients and Their Uses
- › 2.3 Demonstrate Proper Techniques for Applying Body Wraps
- › 2.4 Understand the Principles of Massage Therapy Techniques
- › 2.5 Practice Essential Massage Techniques for Relaxation
- › 2.6 Create a Custom Spa Treatment Plan Incorporating Wraps and Massages

• 3 Unit 3 — Make-up Artistry — Day, Evening and Bridal — 6 classes

- › 3.1 Explore the Fundamentals of Day Make-up Techniques
- › 3.2 Demonstrate Evening Make-up Application for Enhanced Glamour
- › 3.3 Analyze Skin Types and Their Impact on Make-up Choices
- › 3.4 Create a Step-by-Step Bridal Make-up Look
- › 3.5 Evaluate Client Needs for Customizing Make-up Styles
- › 3.6 Present a Comprehensive Portfolio of Make-up Artistry Styles

• 4 Unit 4 — Salon Business Management and Pricing — 6 classes

- › 4.1 Analyze Key Components of Salon Business Models
- › 4.2 Identify Effective Pricing Strategies in Beauty Services
- › 4.3 Develop a Profit Margin Calculation for Salon Services
- › 4.4 Assess the Impact of Seasonal Trends on Salon Pricing
- › 4.5 Implement Customer Feedback Mechanisms to Adjust Pricing
- › 4.6 Create a Pricing Guide for Salon Services Based on Market Research

• 5 Unit 5 — Cosmetology Portfolio and Practical Exam — 6 classes

- › 5.1 Develop an Engaging Cosmetology Portfolio
- › 5.2 Select Appropriate Products for Portfolio Demonstration
- › 5.3 Document Techniques and Results with Visual Evidence
- › 5.4 Prepare for Practical Exam: Skills and Techniques Review
- › 5.5 Conduct Peer Reviews for Portfolio Enhancement
- › 5.6 Present and Defend Your Portfolio in a Practical Setting

• **1 Unit 1 — Cell Biology and Molecular Biology Basics** — 6 classes

- › 1.1 Explore Cell Structure and Function
- › 1.2 Investigate Cell Membrane Dynamics
- › 1.3 Describe the Role of Organelles in Cellular Processes
- › 1.4 Analyze DNA Structure and Replication
- › 1.5 Examine RNA Synthesis and Function
- › 1.6 Apply Molecular Techniques in Biotechnology

• **2 Unit 2 — Genetic Engineering and Recombinant DNA Technology**

— 6 classes

- › 2.1 Explore the Fundamentals of Genetic Engineering
- › 2.2 Analyze the Principles of Recombinant DNA Technology
- › 2.3 Examine Common Tools Used in Genetic Manipulation
- › 2.4 Investigate Ethical Considerations in Genetic Engineering
- › 2.5 Apply Techniques of Gene Cloning in Laboratory Settings
- › 2.6 Evaluate Real-World Applications of Genetic Engineering

• **3 Unit 3 — Fermentation, Bioreactors and Downstream Processing**

— 6 classes

- › 3.1 Explore the Fundamentals of Fermentation Processes
- › 3.2 Analyze Different Types of Bioreactors in Biotechnology
- › 3.3 Evaluate Key Parameters for Optimizing Fermentation
- › 3.4 Investigate the Role of Microorganisms in Fermentation
- › 3.5 Examine Techniques for Downstream Processing of Bio-products
- › 3.6 Apply Knowledge by Designing a Simple Fermentation Experiment

• **4 Unit 4 — Bioinformatics — Databases, Tools and Analysis** — 6 classes

- › 4.1 Explore Key Bioinformatics Databases and Their Uses
- › 4.2 Analyze the Structure and Function of Biological Databases
- › 4.3 Utilize Bioinformatics Tools for Data Retrieval and Analysis
- › 4.4 Conduct Comparative Genomics Using Bioinformatics Software
- › 4.5 Interpret Analysis Results from Bioinformatics Tools
- › 4.6 Develop a Bioinformatics Workflow for a Research Project

• **5 Unit 5 — Biotechnology Industry Application Project** — 6 classes

- › 5.1 Explore Key Concepts in Biotechnology Industry Applications
- › 5.2 Analyze Current Trends in Biotechnology for Industrial Use
- › 5.3 Investigate Regulatory Frameworks Affecting Biotechnology Industries
- › 5.4 Design a Biotechnology Project Proposal for Industry Implementation
- › 5.5 Develop a Strategic Plan for Biotechnology Project Execution
- › 5.6 Present and Critique Biotechnology Project Proposals

• **1 Unit 1 — Python for Data Science — pandas, numpy, scipy** — 6 classes

- › 1.1 Explore Basic Data Structures with NumPy
- › 1.2 Manipulate Data Arrays Using NumPy Functions
- › 1.3 Introduction to DataFrames with pandas
- › 1.4 Clean and Transform Data with pandas
- › 1.5 Perform Statistical Analysis Using SciPy
- › 1.6 Visualize Data Insights with Matplotlib and Seaborn

• **2 Unit 2 — Data Wrangling and Exploratory Data Analysis** — 6 classes

- › 2.1 Introduce Data Wrangling Techniques for Clean Data
- › 2.2 Implement Data Cleaning Methods Using Python Libraries
- › 2.3 Explore Methods for Handling Missing Data Effectively
- › 2.4 Analyze Data Types and Conversion Techniques in DataFrames
- › 2.5 Visualize Data Distributions Using Descriptive Statistics
- › 2.6 Apply Exploratory Data Analysis to Create Informative Visualizations

• **3 Unit 3 — Statistical Modelling and Regression** — 6 classes

- › 3.1 Understand Key Concepts of Statistical Modelling
- › 3.2 Explore Different Types of Regression Analysis
- › 3.3 Apply Simple Linear Regression Techniques
- › 3.4 Analyze Multiple Linear Regression Models
- › 3.5 Evaluate Model Performance Metrics
- › 3.6 Implement Regression Models Using Python Libraries

• **4 Unit 4 — Data Visualisation — Matplotlib, Seaborn, Plotly** — 6 classes

- › 4.1 Understand the Basics of Data Visualisation
- › 4.2 Set Up and Install Matplotlib for Effective Plotting
- › 4.3 Create Basic Plots Using Matplotlib: Line and Bar Charts
- › 4.4 Enhance Visual Appeal with Seaborn's Advanced Features
- › 4.5 Interactive Data Visualisations with Plotly: Creating Your First Plot
- › 4.6 Apply Data Visualisation Techniques to a Real-World Dataset

• **5 Unit 5 — Industry Data Science Project — Full Pipeline** — 6 classes

- › 5.1 Define the Project Scope and Objectives in Data Science
- › 5.2 Collect and Explore Relevant Industry Data Sources
- › 5.3 Prepare and Clean Data for Analysis
- › 5.4 Apply Exploratory Data Analysis Techniques
- › 5.5 Develop and Validate Predictive Models
- › 5.6 Communicate Results and Insights to Stakeholders

• 1 Unit 1 — Advanced Design Methodology and Double Diamond —

6 classes

- › 1.1 Explore the Double Diamond Framework
- › 1.2 Define the Problem Statement Effectively
- › 1.3 Generate Ideas through Divergent Thinking
- › 1.4 Refine Solutions with Convergent Thinking
- › 1.5 Prototype Concepts Using Rapid Prototyping Techniques
- › 1.6 Evaluate and Present Design Solutions to Stakeholders

• 2 Unit 2 — Human-Centred Design and Empathy Mapping — 6

classes

- › 2.1 Explore Human-Centred Design Principles
- › 2.2 Identify User Needs Through Observation
- › 2.3 Develop Empathy Maps for Target Users
- › 2.4 Analyze Empathy Maps to Uncover Insights
- › 2.5 Create Personas Based on Empathy Mapping
- › 2.6 Apply Design Thinking to Solve User-Centric Challenges

• 3 Unit 3 — Service Design and Business Innovation Tools — 6

classes

- › 3.1 Identify Core Principles of Service Design
- › 3.2 Explore Business Innovation Tools
- › 3.3 Analyze Customer Journey Mapping
- › 3.4 Develop Personas for Target Users
- › 3.5 Create Service Blueprints for Innovation
- › 3.6 Prototype Service Solutions and Gather Feedback

• 4 Unit 4 — High-Fidelity Prototyping and User Testing — 6 classes

- › 4.1 Explore High-Fidelity Prototyping Techniques
- › 4.2 Analyze User-Centric Design Principles
- › 4.3 Develop Interactive Prototypes Using Digital Tools
- › 4.4 Conduct User Testing: Methods and Best Practices
- › 4.5 Gather User Feedback and Analyze Insights
- › 4.6 Iterate Design Solutions Based on User Testing Outcomes

• 5 Unit 5 — Innovation Project — Social or Commercial Impact — 6 classes

- › 5.1 Identify Key Social and Commercial Issues for Innovation
- › 5.2 Explore Design Thinking Frameworks for Impactful Solutions
- › 5.3 Develop Prototypes Addressing Identified Issues
- › 5.4 Gather Stakeholder Feedback on Prototype Concepts
- › 5.5 Evaluate and Iterate Based on Feedback Received
- › 5.6 Present and Advocate for Your Innovative Project

• 1 Unit 1 — Microcontrollers — Arduino, Raspberry Pi Basics — 6

classes

- › 1.1 Explore Basic Concepts of Microcontrollers
- › 1.2 Identify Key Components of Arduino and Raspberry Pi
- › 1.3 Set Up Your First Arduino Project
- › 1.4 Write a Simple Program for Arduino
- › 1.5 Understand the Raspberry Pi Operating System
- › 1.6 Create a Basic Project Using Raspberry Pi GPIO

• 2 Unit 2 — IoT Architecture, Sensors and Actuators — 6 classes

- › 2.1 Explore the Fundamentals of IoT Architecture
- › 2.2 Identify Key Components of IoT Systems
- › 2.3 Analyze Different Types of Sensors in IoT
- › 2.4 Investigate the Role of Actuators in IoT Applications
- › 2.5 Design a Simple IoT System Using Sensors and Actuators
- › 2.6 Evaluate Real-World Applications of IoT Solutions

• 3 Unit 3 — PCB Design and Fabrication Techniques — 6 classes

- › 3.1 Understand PCB Fundamentals and Specifications
- › 3.2 Explore PCB Design Software Tools and Features
- › 3.3 Develop Schematics for PCB Layouts
- › 3.4 Implement Design Rules and Best Practices in PCB Layout
- › 3.5 Analyze Fabrication Techniques for PCB Manufacturing
- › 3.6 Assess Quality Control and Testing Methods in PCB Production

• 4 Unit 4 — Embedded Systems Programming — C/MicroPython — 6

classes

- › 4.1 Introduce Embedded Systems and Their Applications
- › 4.2 Explore the Basics of C Programming for Embedded Systems
- › 4.3 Understand MicroPython Syntax for Embedded Programming
- › 4.4 Develop Simple Embedded Programs Using C
- › 4.5 Create Interactive Projects with MicroPython
- › 4.6 Implement and Test an Embedded System Prototype

• 5 Unit 5 — IoT/Hardware Project — Build and Present — 6 classes

- › 5.1 Explore IoT Fundamentals and Key Components
- › 5.2 Identify Project Objectives and Requirements
- › 5.3 Design the Hardware Architecture for the IoT Project
- › 5.4 Develop and Prototype IoT Solutions Using Hardware
- › 5.5 Test and Troubleshoot the IoT Hardware Setup
- › 5.6 Present the IoT Project and Gather Feedback

• 1 Unit 1 — Fashion History, Trends and Forecasting — 6 classes

- › 1.1 Explore the Evolution of Fashion Through the Ages
- › 1.2 Analyze Influential Fashion Movements and Their Impact
- › 1.3 Identify Key Fashion Icon Figures and Their Contributions
- › 1.4 Examine Major Trends in Fashion History and Cultural Context
- › 1.5 Forecast Future Fashion Trends Using Historical Data
- › 1.6 Develop a Personal Fashion Trend Report Based on Research

• 2 Unit 2 — Textile Science — Fibres, Fabrics and Finishes — 6 classes

- › 2.1 Identify and Classify Natural Fibres in Textile Production
- › 2.2 Explore Synthetic Fibres and Their Benefits in Fashion
- › 2.3 Analyze Fabric Types Based on Weaving and Knitting Techniques
- › 2.4 Investigate Unique Properties of Fabrics for Fashion Applications
- › 2.5 Evaluate Finishing Techniques and Their Impact on Fabric Performance
- › 2.6 Create a Fabric Comparison Chart for Design Decision-Making

• 3 Unit 3 — Pattern Drafting — Basic and Advanced Blocks — 6 classes

- › 3.1 Understand the Fundamentals of Pattern Drafting
- › 3.2 Identify Key Measurements for Basic Blocks
- › 3.3 Create a Basic Block Pattern for a Simple Garment
- › 3.4 Explore Advanced Block Variations and Their Uses
- › 3.5 Draft an Advanced Block Pattern for Complex Designs
- › 3.6 Apply Pattern Blocks to Real-Life Design Projects

• 4 Unit 4 — Garment Construction — Tailoring and Couture Techniques — 6 classes

- › 4.1 Analyze Tailoring Techniques and Their Historical Context
- › 4.2 Demonstrate Pattern Making for Tailored Garments
- › 4.3 Explore Fabric Selections for Haute Couture Projects
- › 4.4 Master Hand Stitching Techniques for Precision Finishing
- › 4.5 Construct a Tailored Blazer Using Advanced Construction Methods
- › 4.6 Evaluate the Impact of Tailoring on Fashion Sustainability

• 5 Unit 5 — Fashion Collection Project and Portfolio — 6 classes

- › 5.1 Define and Explore Key Elements of a Fashion Collection
- › 5.2 Research and Analyse Market Trends in Fashion
- › 5.3 Develop a Theme and Concept for Your Fashion Collection
- › 5.4 Plan and Outline Your Collection's Target Audience
- › 5.5 Create a Visual Mood Board for Your Fashion Collection
- › 5.6 Present and Critique Your Fashion Portfolio with Peers

• 1 Unit 1 — Investment Planning — Equity, Debt, Real Estate — 6 classes

- › 1.1 Define Key Terms in Investment Planning
- › 1.2 Analyze Different Investment Channels: Equity, Debt, Real Estate
- › 1.3 Evaluate Risk and Return Profiles of Investment Options
- › 1.4 Create an Investment Strategy Based on Financial Goals
- › 1.5 Assess Market Trends Impacting Equity and Real Estate Investments
- › 1.6 Develop a Personal Investment Portfolio Simulation

• 2 Unit 2 — Tax Planning — 80C Deductions and Tax Saving — 6 classes

- › 2.1 Understand the Basics of Tax Planning
- › 2.2 Explore the Significance of Section 80C Deductions
- › 2.3 Identify Eligible Investments for 80C Deductions
- › 2.4 Calculate Potential Tax Savings Using 80C Deductions
- › 2.5 Analyze Different 80C Investment Options
- › 2.6 Create a Personal Tax Saving Strategy Using 80C

• 3 Unit 3 — Insurance — Life, Health, Term and ULIP — 6 classes

- › 3.1 Define and Distinguish Between Life and Health Insurance
- › 3.2 Explore the Features and Benefits of Term Insurance
- › 3.3 Analyze the Components of Unit Linked Insurance Plans (ULIPs)
- › 3.4 Compare and Contrast Life Insurance Policies: Term vs. ULIP
- › 3.5 Assess Personal Insurance Needs and Policy Selection
- › 3.6 Apply Financial Literacy Principles to Evaluate Insurance Options

• 4 Unit 4 — Retirement Planning — NPS, PPF and Pension — 6 classes

- › 4.1 Understand the Importance of Retirement Planning
- › 4.2 Explore the National Pension System (NPS) Framework
- › 4.3 Analyze the Public Provident Fund (PPF) Benefits
- › 4.4 Compare Pension Plans: Public vs. Private Options
- › 4.5 Calculate Retirement Savings Goals Using NPS and PPF
- › 4.6 Create a Personal Retirement Plan Using Available Tools

• 5 Unit 5 — Personal Wealth Management Plan and Presentation — 6 classes

- › 5.1 Assess Personal Financial Goals and Values
- › 5.2 Analyze Current Financial Situation and Net Worth
- › 5.3 Develop a Personalized Budgeting Strategy
- › 5.4 Explore Investment Options for Wealth Growth
- › 5.5 Create a Risk Management and Insurance Plan
- › 5.6 Present a Comprehensive Personal Wealth Management Plan

• 1 Unit 1 — Advanced Culinary Techniques — French, Italian, Indian

— 6 classes

- › 1.1 Explore the Foundations of French Cuisine Techniques
- › 1.2 Master the Art of Italian Pasta Making
- › 1.3 Discover Indian Spice Blending Methods
- › 1.4 Apply French Sauces in Signature Dishes
- › 1.5 Create Authentic Italian Risotto Using Traditional Techniques
- › 1.6 Innovate with Indian Street Food Recipes

• 2 Unit 2 — Bakery and Patisserie — Artisan Breads, Cakes, Pastries — 6 classes

- › 2.1 Explore the Fundamentals of Artisan Bread Techniques
- › 2.2 Master the Classic Cake-Baking Methods
- › 2.3 Analyse Ingredients and Their Role in Pastry Production
- › 2.4 Demonstrate the Art of Shaping and Baking Artisan Breads
- › 2.5 Create Signature Cakes Using Advanced Decoration Techniques
- › 2.6 Innovate Pastry Recipes with Unique Flavor Combinations

• 3 Unit 3 — Kitchen Management — Planning, Costing and Staffing

— 6 classes

- › 3.1 Analyze Kitchen Workflow for Efficient Planning
- › 3.2 Develop a Budget for Food Production Operations
- › 3.3 Assess Costing Methods in Food Preparation
- › 3.4 Create Staffing Schedules Based on Production Needs
- › 3.5 Implement Inventory Management for Cost Control
- › 3.6 Evaluate Performance Metrics for Kitchen Efficiency

• 4 Unit 4 — Food Safety Systems — HACCP, ISO 22000 — 6 classes

- › 4.1 Understand Key Principles of HACCP
- › 4.2 Identify Critical Control Points in Food Production
- › 4.3 Develop a HACCP Plan for a Food Product
- › 4.4 Explore ISO 22000 Standards and Requirements
- › 4.5 Implement a Food Safety Management System Using ISO 22000
- › 4.6 Evaluate the Effectiveness of Food Safety Systems

• 5 Unit 5 — Culinary Project — Design Menu and Cook for Panel — 6 classes

- › 5.1 Explore Menu Design Principles for Culinary Projects
- › 5.2 Identify Target Audience and Dietary Preferences
- › 5.3 Develop Creative Recipe Concepts for the Menu
- › 5.4 Outline a Structured Menu Format and Presentation
- › 5.5 Plan a Cooking Schedule and Prepare Ingredients
- › 5.6 Execute a Cooking Demonstration for Panel Presentation

• 1 Unit 1 — Advanced Front Office Systems — PMS, GDS, OTA — 6 classes

- › 1.1 Analyze the Role of PMS in Front Office Operations
- › 1.2 Explore the Functionality of GDS in Hotel Management
- › 1.3 Investigate the Impact of OTA on Booking Trends
- › 1.4 Compare and Contrast PMS Features for Enhanced Efficiency
- › 1.5 Integrate GDS Solutions into Existing Front Office Systems
- › 1.6 Apply Best Practices for Managing OTA Relationships

• 2 Unit 2 — Revenue Management and Yield Management — 6 classes

- › 2.1 Define Revenue Management and Its Importance in Hospitality
- › 2.2 Identify Key Components of Yield Management Strategies
- › 2.3 Analyze Market Trends and Consumer Behavior in Revenue Management
- › 2.4 Implement Pricing Strategies for Optimizing Revenue
- › 2.5 Evaluate the Impact of Distribution Channels on Yield Management
- › 2.6 Apply Revenue Management Techniques in Real-World Scenarios

• 3 Unit 3 — Night Audit Procedures and Financial Reporting — 6 classes

- › 3.1 Understand Night Audit Objectives and Importance
- › 3.2 Identify Key Night Audit Processes and Procedures
- › 3.3 Perform Reconciliation of Front Desk Reports
- › 3.4 Calculate Daily Revenue and Expenses
- › 3.5 Generate Comprehensive Financial Reports
- › 3.6 Analyze Financial Data for Trends and Insights

• 4 Unit 4 — Front Office Leadership and Team Management — 6 classes

- › 4.1 Define Front Office Leadership Styles and Their Impact
- › 4.2 Identify Essential Skills for Effective Team Management
- › 4.3 Analyze Communication Techniques in Front Office Operations
- › 4.4 Develop Strategies for Conflict Resolution Among Team Members
- › 4.5 Implement Performance Management Tools for Front Office Teams
- › 4.6 Design a Team-Building Activity for Enhanced Cohesion

• 5 Unit 5 — Hotel Operations Project and Management Report — 6 classes

- › 5.1 Analyze Key Components of Hotel Operations Management
- › 5.2 Explore Best Practices in Front Office Operations
- › 5.3 Evaluate Effective Strategies for Guest Relationship Management
- › 5.4 Develop a Comprehensive Hotel Operations Project Plan
- › 5.5 Create a Management Report on Hotel Performance Metrics
- › 5.6 Present Findings and Recommendations for Operational Improvements

• 1 Unit 1 — GIS Fundamentals — Coordinate Systems and Projections — 6 classes

- › 1.1 Define and Differentiate Coordinate Systems
- › 1.2 Explore Geographic vs. Projected Coordinate Systems
- › 1.3 Identify Common Types of Projections and Their Uses
- › 1.4 Analyze the Impact of Projection Choice on Spatial Data
- › 1.5 Demonstrate How to Convert Between Coordinate Systems
- › 1.6 Apply GIS Software to Visualize Different Projections

• 2 Unit 2 — Remote Sensing — Satellite Imagery and Interpretation — 6 classes

- › 2.1 Understand the Principles of Remote Sensing
- › 2.2 Explore Different Types of Satellite Imagery
- › 2.3 Analyze the Features of Satellite Images
- › 2.4 Interpret Satellite Imagery for Land Use Classification
- › 2.5 Assess the Accuracy of Satellite Data Interpretation
- › 2.6 Apply Remote Sensing Techniques to Real-World Case Studies

• 3 Unit 3 — QGIS Software — Data Entry, Analysis and Mapping — 6 classes

- › 3.1 Explore QGIS Interface and Navigation Tools
- › 3.2 Import and Manage Geospatial Data in QGIS
- › 3.3 Perform Basic Data Analysis Using QGIS Functions
- › 3.4 Create Thematic Maps with QGIS Styling Options
- › 3.5 Leverage QGIS for Spatial Data Visualization Techniques
- › 3.6 Export and Share QGIS Projects for Stakeholder Engagement

• 4 Unit 4 — Spatial Data Analysis and Geospatial Applications — 6 classes

- › 4.1 Explore Spatial Data Types and Their Characteristics
- › 4.2 Analyze Data Acquisition Techniques for Geospatial Information
- › 4.3 Utilize GIS Tools for Spatial Data Visualization
- › 4.4 Apply Statistical Methods to Interpret Spatial Data
- › 4.5 Integrate Geospatial Data with Real-World Applications
- › 4.6 Evaluate Case Studies in Geospatial Technology Implementation

• 5 Unit 5 — Geospatial Project — Map and Analyse a Local Issue — 6 classes

- › 5.1 Identify a Local Issue for Geospatial Analysis
- › 5.2 Collect Geospatial Data Relevant to the Issue
- › 5.3 Utilize GIS Tools for Mapping the Local Issue
- › 5.4 Analyze Spatial Patterns and Trends in the Data
- › 5.5 Develop a Presentation of Findings from the Analysis
- › 5.6 Propose Solutions Based on Geospatial Insights

• 1 Unit 1 — 2D Animation — Principles, Timing and Motion — 6 classes

- › 1.1 Explore the Fundamentals of 2D Animation Principles
- › 1.2 Analyze Key Concepts of Timing in Animation
- › 1.3 Understand the Importance of Motion in 2D Animation
- › 1.4 Create Basic Animations Using Timing Techniques
- › 1.5 Apply Motion Principles to Enhance Animation Projects
- › 1.6 Evaluate and Refine Animated Sequences for Fluid Motion

• 2 Unit 2 — 3D Modelling and Animation — Blender/Maya Introduction — 6 classes

- › 2.1 Explore the Interface of Blender and Maya
- › 2.2 Create Basic 3D Shapes using Blender and Maya
- › 2.3 Apply Materials and Textures in 3D Models
- › 2.4 Set Up Lighting for 3D Scenes
- › 2.5 Animate Basic Object Movements in Blender and Maya
- › 2.6 Export and Present Your 3D Animation Project

• 3 Unit 3 — Adobe Suite — Illustrator, After Effects, Premiere — 6 classes

- › 3.1 Explore Core Tools in Adobe Illustrator
- › 3.2 Create Vector Graphics Using Illustrator Techniques
- › 3.3 Understand Motion Graphics Basics in After Effects
- › 3.4 Animate Your First Project in After Effects
- › 3.5 Edit and Compile Video Segments in Adobe Premiere
- › 3.6 Integrate Graphics from Illustrator into Premiere Projects

• 4 Unit 4 — Visual Effects (VFX) and Motion Graphics Basics — 6 classes

- › 4.1 Explore Essential VFX Terminology
- › 4.2 Analyze the Role of Motion Graphics in Digital Media
- › 4.3 Demonstrate Basic Animation Techniques with Software Tools
- › 4.4 Create Simple Visual Effects Using Layering Techniques
- › 4.5 Implement Color Grading to Enhance Motion Graphics
- › 4.6 Present a Short VFX Project Integrating Learned Concepts

• 5 Unit 5 — Animation Portfolio Project — Short Film or Ad — 6 classes

- › 5.1 Brainstorm Concepts for Your Animation Project
- › 5.2 Develop Storyboards to Visualize Your Short Film or Ad
- › 5.3 Choose Appropriate Animation Techniques and Tools
- › 5.4 Create Character Designs and Background Art
- › 5.5 Animate Key Scenes and Refine Motion
- › 5.6 Present Your Final Animation Project and Receive Feedback

• 1 Unit 1 — Advanced Anatomy and Physiology — Systems Review

— 6 classes

- › 1.1 Explore the Human Skeletal System: Structure and Function
- › 1.2 Analyze the Muscular System: Types and Mechanisms of Movement
- › 1.3 Examine the Cardiovascular System: Blood Flow and Heart Anatomy
- › 1.4 Investigate the Respiratory System: Mechanisms of Gas Exchange
- › 1.5 Discuss the Nervous System: Neurons and Signal Transmission
- › 1.6 Apply Knowledge of Body Systems: Case Studies in Patient Health

• 2 Unit 2 — Clinical Skills — Vitals, Blood Pressure, Dressing — 6

classes

- › 2.1 Understand and Measure Vital Signs Accurately
- › 2.2 Analyze the Importance of Blood Pressure Readings
- › 2.3 Demonstrate Techniques for Accurate Blood Pressure Measurement
- › 2.4 Explore Common Factors Affecting Blood Pressure Levels
- › 2.5 Practice Dressing Techniques for Wound Care
- › 2.6 Evaluate Case Studies on Vital Signs and Wound Management

• 3 Unit 3 — Medical Records and Health Information Systems — 6

classes

- › 3.1 Identify Key Components of Medical Records
- › 3.2 Analyze Different Types of Health Information Systems
- › 3.3 Explore the Legal and Ethical Considerations in Medical Record Management
- › 3.4 Demonstrate Data Entry Techniques for Accurate Medical Record Keeping
- › 3.5 Evaluate the Impact of Technology on Health Information Management
- › 3.6 Develop a Strategy for Effective Patient Data Retrieval

• 4 Unit 4 — Community Health and Preventive Healthcare — 6 classes

- › 4.1 Explore Community Health Concepts and Definitions
- › 4.2 Analyze the Role of Preventive Healthcare in Communities
- › 4.3 Identify Key Determinants of Community Health
- › 4.4 Assess Community Health Needs through Surveys and Data
- › 4.5 Design a Preventive Health Program for Local Communities
- › 4.6 Evaluate the Impact of Community Health Initiatives

• 5 Unit 5 — Healthcare Field Visit Report and Case Study — 6 classes

- › 5.1 Analyze the Structure of a Healthcare Field Visit Report
- › 5.2 Identify Key Components in Case Study Evaluations
- › 5.3 Develop Effective Observation Techniques During Healthcare Visits
- › 5.4 Collect Data and Evidence for Healthcare Field Reports
- › 5.5 Synthesize Findings from Case Studies for Practical Application
- › 5.6 Present and Critique Field Visit Reports in Group Discussions

• 1 Unit 1 — Human Development and Family Studies — 6 classes

- › 1.1 Explore the Stages of Human Development Through Lifespan Theories
- › 1.2 Analyze the Impact of Family Structures on Child Development
- › 1.3 Assess the Role of Nutrition in Early Childhood Growth
- › 1.4 Investigate Socialization Processes Within Different Family Types
- › 1.5 Design Supportive Environments for Adolescent Development
- › 1.6 Create Interventions to Enhance Family Dynamics and Well-being

• 2 Unit 2 — Nutrition Science — Macros, Micros and Meal Planning

— 6 classes

- › 2.1 Analyze the Role of Macronutrients in Human Health
- › 2.2 Identify Essential Micronutrients and Their Functions
- › 2.3 Assess Daily Nutritional Requirements for Different Age Groups
- › 2.4 Evaluate Sources of Macro and Micronutrients in Foods
- › 2.5 Design a Balanced Meal Plan Incorporating Macros and Micros
- › 2.6 Create and Present a Nutritional Awareness Campaign

• 3 Unit 3 — Textiles and Apparel — Consumer Selection and Care —

6 classes

- › 3.1 Identify Key Factors Influencing Consumer Selection of Textiles
- › 3.2 Analyze Fabric Properties for Informed Apparel Choices
- › 3.3 Explore Sustainable Textiles and Their Impact on Consumer Decisions
- › 3.4 Evaluate Care Labels and Their Importance in Textile Maintenance
- › 3.5 Demonstrate Proper Washing Techniques for Different Fabrics
- › 3.6 Develop a Consumer Guide for Selecting and Caring for Apparel

• 4 Unit 4 — Consumer Education, Rights and Resource Management — 6 classes

- › 4.1 Identify Key Consumer Rights and Responsibilities
- › 4.2 Assess the Role of Consumer Protection Laws
- › 4.3 Evaluate Marketing Strategies and Their Impact on Consumers
- › 4.4 Analyze Resource Management in Household Settings
- › 4.5 Develop Strategies for Sustainable Consumer Choices
- › 4.6 Create a Personal Action Plan for Informed Consumerism

• 5 Unit 5 — Applied Home Science Project — 6 classes

- › 5.1 Identify Key Components of an Applied Home Science Project
- › 5.2 Develop Research Questions for Home Science Investigations
- › 5.3 Design Effective Methodologies for Practical Home Science Applications
- › 5.4 Implement Data Collection Techniques in Home Science Projects
- › 5.5 Analyze and Interpret Findings from Home Science Experiments
- › 5.6 Present and Evaluate Project Outcomes in Home Science

• 1 Unit 1 — Plant Propagation — Seeds, Cuttings, Grafting — 6

classes

- › 1.1 Explore the Role of Seeds in Plant Propagation
- › 1.2 Identify Different Types of Seeds and Their Characteristics
- › 1.3 Demonstrate Seed Germination Techniques
- › 1.4 Understand the Process of Taking Cuttings for Propagation
- › 1.5 Apply Grafting Techniques for Plant Propagation
- › 1.6 Evaluate Success Rates of Different Propagation Methods

• 2 Unit 2 — Floriculture — Flower Cultivation and Arrangement — 6

classes

- › 2.1 Explore Essential Flower Species for Cultivation
- › 2.2 Evaluate Soil and Environmental Conditions for Optimal Growth
- › 2.3 Implement Effective Propagation Techniques for Flower Plants
- › 2.4 Apply Fertilization Strategies to Enhance Flower Production
- › 2.5 Design Creative Flower Arrangements for Various Occasions
- › 2.6 Assess Maintenance Practices for Sustaining Floral Health

• 3 Unit 3 — Landscape Design — Principles and Garden Planning — 6

classes

- › 3.1 Explore Landscape Design Principles
- › 3.2 Assess Site Conditions for Garden Planning
- › 3.3 Identify Key Elements of Garden Design
- › 3.4 Create a Conceptual Garden Layout
- › 3.5 Integrate Plant Selection with Design Objectives
- › 3.6 Present and Critique Your Garden Design

• 4 Unit 4 — Nursery Management — Production and Marketing — 6

classes

- › 4.1 Identify Key Components of Nursery Management
- › 4.2 Explore Sustainable Practices in Nursery Production
- › 4.3 Develop Effective Propagation Techniques for Plants
- › 4.4 Assess Market Trends and Consumer Demand in Horticulture
- › 4.5 Create a Marketing Plan for Nursery Products
- › 4.6 Evaluate the Success of Nursery Operations and Marketing Strategies

• 5 Unit 5 — Horticulture Project — Design and Maintain a Garden — 6

classes

- › 5.1 Identify Climate Zones Suitable for Garden Design
- › 5.2 Analyze Soil Characteristics for Optimal Plant Growth
- › 5.3 Select Appropriate Plant Species for Diverse Gardens
- › 5.4 Develop a Conceptual Garden Layout Using Design Principles
- › 5.5 Implement Maintenance Techniques for Healthy Garden Growth
- › 5.6 Evaluate and Adapt Garden Plans Based on Seasonal Changes

• 1 Unit 1 — Hospital Organisation, Structure and Departments — 6

classes

- › 1.1 Define the Key Components of Hospital Organisation
- › 1.2 Explore the Hierarchical Structure of Clinical Departments
- › 1.3 Analyze the Roles and Responsibilities of Hospital Management
- › 1.4 Identify the Interactions Between Different Hospital Departments
- › 1.5 Examine the Functions of Support Services in Healthcare
- › 1.6 Apply Departmental Collaboration Strategies for Improved Patient Care

• 2 Unit 2 — Patient Admission, Discharge and Medical Records — 6

classes

- › 2.1 Examine the Patient Admission Process
- › 2.2 Identify Key Components of Patient Medical Records
- › 2.3 Apply Data Privacy Regulations to Patient Records
- › 2.4 Analyze Effective Discharge Planning Strategies
- › 2.5 Evaluate the Impact of Accurate Documentation on Patient Care
- › 2.6 Develop a Comprehensive Discharge Summary Template

• 3 Unit 3 — Healthcare Quality Management and Accreditation — 6

classes

- › 3.1 Understand Key Concepts in Healthcare Quality Management
- › 3.2 Explore the Importance of Accreditation in Healthcare
- › 3.3 Identify Standards and Frameworks for Quality Improvement
- › 3.4 Analyze the Role of Patient Safety in Quality Management
- › 3.5 Implement Quality Measurement Tools and Techniques
- › 3.6 Develop a Quality Improvement Plan for a Clinical Setting

• 4 Unit 4 — Healthcare Laws, Ethics and Patient Rights — 6

classes

- › 4.1 Identify Key Healthcare Laws Impacting Patient Care
- › 4.2 Analyze Ethical Principles in Clinical Decision Making
- › 4.3 Examine the Importance of Informed Consent in Healthcare
- › 4.4 Discuss the Role of Patient Rights in Hospital Governance
- › 4.5 Evaluate Case Studies on Ethical Dilemmas in Healthcare
- › 4.6 Develop a Patient Rights Advocacy Plan for a Healthcare Setting

• 5 Unit 5 — Hospital Administration Project and Field Visit — 6

classes

- › 5.1 Analyze Effective Hospital Administration Strategies
- › 5.2 Identify Key Stakeholders in Hospital Projects
- › 5.3 Design a Hospital Administration Improvement Plan
- › 5.4 Conduct a Field Visit to a Local Hospital
- › 5.5 Evaluate Hospital Operations During the Field Visit
- › 5.6 Present Findings and Recommendations for Hospital Management

• 1 Unit 1 — Human Rights Frameworks — Universal Declaration, Indian Constitution — 6 classes

- › 1.1 Analyze the Universal Declaration of Human Rights: Key Principles and Impacts
- › 1.2 Examine the Historical Context of the Indian Constitution and Its Significance
- › 1.3 Compare Human Rights Frameworks: Universal Declaration vs. Indian Constitution
- › 1.4 Evaluate the Application of Human Rights within Indian Legal Systems
- › 1.5 Discuss Contemporary Challenges to Human Rights in India Today
- › 1.6 Propose Solutions for Enhancing Human Rights Protections in India

• 2 Unit 2 — Gender Studies — Concepts, Stereotypes and Equality — 6 classes

- › 2.1 Define Key Concepts in Gender Studies
- › 2.2 Analyze Gender Stereotypes in Society
- › 2.3 Explore Historical Contexts of Gender Equality
- › 2.4 Evaluate Current Gender Equality Policies
- › 2.5 Develop Strategies to Combat Gender Stereotypes
- › 2.6 Create an Action Plan for Promoting Gender Equality

• 3 Unit 3 — Social Justice, Discrimination and Legal Remedies — 6 classes

- › 3.1 Analyze the Concept of Social Justice in Contemporary Society
- › 3.2 Identify Forms of Discrimination in Various Contexts
- › 3.3 Examine the Impact of Discrimination on Marginalized Groups
- › 3.4 Explore Legal Frameworks Addressing Discrimination
- › 3.5 Evaluate Case Studies of Legal Remedies for Victims of Discrimination
- › 3.6 Develop Strategies for Advocating Social Justice and Equality

• 4 Unit 4 — Civic Engagement, Advocacy and Rights Movements — 6 classes

- › 4.1 Defining Civic Engagement and Its Impact on Communities
- › 4.2 Analyzing Historical Rights Movements and Their Achievements
- › 4.3 Exploring Advocacy Strategies for Human Rights Issues
- › 4.4 Evaluating the Role of Social Media in Modern Advocacy
- › 4.5 Engaging in Effective Communication for Advocacy Campaigns
- › 4.6 Designing a Local Advocacy Project to Promote Human Rights

• 5 Unit 5 — Human Rights Research Project and Presentation — 6 classes

- › 5.1 Identify Key Components of Human Rights Research
- › 5.2 Formulate Research Questions on Gender and Human Rights
- › 5.3 Analyze Data Sources and Ethical Considerations
- › 5.4 Develop Methodologies for Conducting Human Rights Research
- › 5.5 Create Effective Research Presentations for Diverse Audiences
- › 5.6 Evaluate Peer Research Projects and Provide Constructive Feedback

• 1 Unit 1 — Advanced Networking — TCP/IP, DNS, DHCP, Firewalls — 6 classes

- › 1.1 Explore the TCP/IP Model and Its Layers
- › 1.2 Analyze the Role of DNS in Network Communication
- › 1.3 Configure DHCP for Dynamic IP Address Assignment
- › 1.4 Implement Basic Firewall Rules for Network Security
- › 1.5 Troubleshoot Common Networking Issues with TCP/IP
- › 1.6 Integrate Security Measures in Advanced Networking Scenarios

• 2 Unit 2 — Cybersecurity — Threats, Encryption and Ethical Hacking Basics — 6 classes

- › 2.1 Identify Common Cybersecurity Threats and Vulnerabilities
- › 2.2 Explore the Importance of Encryption in Data Protection
- › 2.3 Analyze Different Types of Encryption Techniques
- › 2.4 Understand the Basics of Ethical Hacking Practices
- › 2.5 Apply Ethical Hacking Techniques in Real-World Scenarios
- › 2.6 Evaluate Cybersecurity Strategies for Risk Mitigation

• 3 Unit 3 — Database Management — MySQL, RDBMS, SQL Queries — 6 classes

- › 3.1 Understand the Basics of RDBMS and MySQL Architecture
- › 3.2 Set Up MySQL Environment for Database Development
- › 3.3 Create and Manage Databases and Tables Using SQL
- › 3.4 Master Data Manipulation: INSERT, UPDATE, DELETE Statements
- › 3.5 Query Optimization and Best Practices in SQL
- › 3.6 Apply Aggregate Functions and Joins for Advanced Data Analysis

• 4 Unit 4 — Web Technologies — HTML5, CSS3, JavaScript Basics — 6 classes

- › 4.1 Explore the Structure of HTML5 Documents
- › 4.2 Implement Essential HTML5 Elements and Attributes
- › 4.3 Understand CSS3 Styling and Selectors
- › 4.4 Apply CSS3 to Enhance HTML5 Layouts
- › 4.5 Discover the Basics of JavaScript and Its Syntax
- › 4.6 Create Interactive Web Pages Using JavaScript Events

• 5 Unit 5 — IT Industry Project — Network or Web Application — 6 classes

- › 5.1 Identify Project Scope and Objectives for IT Network or Web Application
- › 5.2 Analyze User Requirements and Stakeholder Expectations
- › 5.3 Design Network Architecture or Web Application Framework
- › 5.4 Implement Key Technologies for Network or Web Application Development
- › 5.5 Test Functionality and Security of Network or Web Application
- › 5.6 Evaluate Project Outcomes and Present Solutions to Stakeholders

• 1 Unit 1 — Insurance Industry Structure and Regulatory Bodies (IRDA) — 6 classes

- › 1.1 Explore the Structure of the Insurance Industry
- › 1.2 Identify Key Roles within Insurance Organizations
- › 1.3 Examine the Functions of Regulatory Bodies in Insurance
- › 1.4 Analyze the Impact of IRDA on Insurance Practices
- › 1.5 Compare Different Types of Insurance Providers
- › 1.6 Apply Regulatory Guidelines to Real-World Insurance Scenarios

• 2 Unit 2 — Underwriting Principles and Risk Evaluation — 6 classes

- › 2.1 Define Underwriting: Exploring Key Concepts and Terminology
- › 2.2 Identify Types of Risk: Classifying Risks in Insurance
- › 2.3 Analyze Underwriting Guidelines: Understanding Criteria and Standards
- › 2.4 Evaluate Risk Factors: Assessing Individual and Aggregate Risks
- › 2.5 Apply Underwriting Techniques: Practical Approaches to Risk Assessment
- › 2.6 Review Case Studies: Learning from Real-World Underwriting Challenges

• 3 Unit 3 — Claims Management — Process, Documentation, Settlement — 6 classes

- › 3.1 Understand the Fundamentals of Claims Management in Insurance
- › 3.2 Identify Key Documentation Requirements for Insurance Claims
- › 3.3 Analyze the Claims Process: Steps from Notification to Settlement
- › 3.4 Evaluate Common Challenges in Claims Processing and Solutions
- › 3.5 Implement Best Practices for Effective Claims Documentation
- › 3.6 Develop Skills for Negotiating and Settling Insurance Claims

• 4 Unit 4 — Reinsurance, Coinsurance and Treaty Basics — 6 classes

- › 4.1 Define and Differentiate Reinsurance and Coinsurance
- › 4.2 Explore the Key Concepts of Treaty Reinsurance
- › 4.3 Assess the Benefits and Limitations of Reinsurance in Risk Management
- › 4.4 Analyze Real-World Case Studies of Reinsurance Applications
- › 4.5 Illustrate the Process of Structuring a Reinsurance Treaty
- › 4.6 Evaluate the Role of Coinsurance in Multi-Party Risk Sharing

• 5 Unit 5 — Insurance Risk Management Project — 6 classes

- › 5.1 Identify Key Components of Insurance Risk Management
- › 5.2 Analyze Risk Assessment Techniques in Insurance
- › 5.3 Explore the Role of Underwriting in Risk Management
- › 5.4 Evaluate Different Insurance Products for Risk Mitigation
- › 5.5 Develop a Risk Management Framework for Insurance Projects
- › 5.6 Present Strategies for Effective Risk Communication in Insurance

• 1 Unit 1 — Hardware Diagnosis — Motherboard, RAM, PSU, Drives — 6 classes

- › 1.1 Identify and Explain the Functions of a Motherboard
- › 1.2 Diagnose Common Motherboard Issues and Errors
- › 1.3 Understand RAM Types and Their Impact on Performance
- › 1.4 Evaluate RAM Symptoms and Conduct Functional Tests
- › 1.5 Analyze Power Supply Unit (PSU) Specifications and Safety
- › 1.6 Troubleshoot Storage Drives: Identifying Errors and Solutions

• 2 Unit 2 — Operating System Installation, Configuration and Troubleshooting — 6 classes

- › 2.1 Identify Components Required for OS Installation
- › 2.2 Prepare BIOS Settings for Optimal Installation
- › 2.3 Execute a Step-by-Step OS Installation Procedure
- › 2.4 Configure User Accounts and Security Settings
- › 2.5 Optimize OS Settings for Performance and Usability
- › 2.6 Troubleshoot Common Installation and Configuration Errors

• 3 Unit 3 — Network Administration — LAN Setup, Wi-Fi, VPN — 6 classes

- › 3.1 Understand LAN Principles and Architecture
- › 3.2 Configure Network Devices for LAN Setup
- › 3.3 Implement Wi-Fi Standards and Security Protocols
- › 3.4 Set Up a Secure Wi-Fi Network in a LAN Environment
- › 3.5 Explore VPN Concepts and Technologies
- › 3.6 Deploy and Troubleshoot a VPN in a LAN Setup

• 4 Unit 4 — IT Support Ticketing, SLA and Help Desk Management — 6 classes

- › 4.1 Define IT Support Ticketing and Its Importance
- › 4.2 Understand the Components of an Effective SLA
- › 4.3 Explore Common IT Support Ticketing Tools
- › 4.4 Analyze Help Desk Workflow and Best Practices
- › 4.5 Create and Prioritize IT Support Tickets
- › 4.6 Evaluate Help Desk Performance Metrics and Reporting

• 5 Unit 5 — Enterprise IT Maintenance Project — 6 classes

- › 5.1 Identify Key Components of Enterprise IT Infrastructure
- › 5.2 Analyze Common IT Maintenance Challenges in Enterprises
- › 5.3 Develop a Scheduled IT Maintenance Plan
- › 5.4 Implement Monitoring Tools for IT Systems
- › 5.5 Evaluate the Effectiveness of IT Maintenance Strategies
- › 5.6 Present a Case Study on Successful IT Maintenance Projects

• 1 Unit 1 — Indian Legal System — Sources, Hierarchy and Courts

— 6 classes

- › 1.1 Identify and Distinguish the Sources of Indian Law
- › 1.2 Analyze the Hierarchy of Laws in the Indian Legal System
- › 1.3 Explore the Role of the Constitution as the Supreme Law
- › 1.4 Examine Statutory Laws and Their Formation Process
- › 1.5 Evaluate the Structure and Function of Indian Courts
- › 1.6 Apply Legal Principles through Case Studies in Indian Jurisprudence

• 2 Unit 2 — Constitutional Law — Fundamental Rights and Duties —

6 classes

- › 2.1 Explore the Historical Context of Fundamental Rights
- › 2.2 Identify Key Fundamental Rights in the Constitution
- › 2.3 Analyze the Significance of Fundamental Duties
- › 2.4 Compare Fundamental Rights and Duties in Legal Frameworks
- › 2.5 Evaluate Landmark Supreme Court Cases on Fundamental Rights
- › 2.6 Apply Constitutional Principles to Contemporary Legal Issues

• 3 Unit 3 — Civil Procedure — Suits, Trials and Decrees — 6 classes

- › 3.1 Understand the Concept of Civil Suits and Jurisdiction
- › 3.2 Analyze the Stages of Civil Trials in the Legal Process
- › 3.3 Explore the Types of Decrees in Civil Procedure
- › 3.4 Identify Common Grounds for Filing Civil Suits
- › 3.5 Examine the Role of Evidence in Civil Trials
- › 3.6 Apply Legal Principles to Draft a Sample Civil Suit

• 4 Unit 4 — Criminal Procedure — FIR, Investigation, Trial — 6 classes

- › 4.1 Understand the Importance of FIR in Criminal Proceedings
- › 4.2 Explore the Process of Filing an FIR: Key Components and Requirements
- › 4.3 Examine the Role of Police in FIR Investigation
- › 4.4 Analyze the Investigation Process: Techniques and Legal Standards
- › 4.5 Discuss the Structure and Phases of a Criminal Trial
- › 4.6 Apply Knowledge of Criminal Procedure to Case Studies

• 5 Unit 5 — Moot Court Exercise and Legal Research Project — 6 classes

- › 5.1 Understand the Structure of Moot Court Proceedings
- › 5.2 Analyze Key Legal Principles Through Case Studies
- › 5.3 Prepare Effective Legal Arguments for Moot Court
- › 5.4 Conduct Comprehensive Legal Research Techniques
- › 5.5 Simulate a Moot Court Hearing and Role-Play
- › 5.6 Evaluate Performance and Learn from Feedback in Moot Court

• 1 Unit 1 — Library Classification — Dewey, Colon Classification — 6 classes

classes

- › 1.1 Explore the Foundations of Library Classification Systems
- › 1.2 Understand the Structure of the Dewey Decimal Classification
- › 1.3 Analyze the Principles of Colon Classification
- › 1.4 Compare and Contrast Dewey and Colon Classification Systems
- › 1.5 Apply Dewey Decimal Classification to Real-World Scenarios
- › 1.6 Create a Basic Classification Scheme Using Colon Classification

• 2 Unit 2 — Cataloguing — AACR2, MARC Records and OPAC — 6 classes

classes

- › 2.1 Explore the Fundamentals of AACR2 Cataloguing Rules
- › 2.2 Analyze the Structure and Components of MARC Records
- › 2.3 Interpret Field Definitions and Tags in MARC Format
- › 2.4 Examine the Role of OPAC in Accessing Library Resources
- › 2.5 Create a Sample Catalog Entry Using AACR2 Guidelines
- › 2.6 Assess the Integration of MARC Records within OPAC Systems

• 3 Unit 3 — Information Retrieval — Databases, Search Engines — 6 classes

classes

- › 3.1 Explore the Fundamentals of Information Retrieval Systems
- › 3.2 Analyze Different Types of Databases and Their Functions
- › 3.3 Identify Key Features of Effective Search Engines
- › 3.4 Construct Advanced Search Queries for Optimal Results
- › 3.5 Evaluate the Relevance and Credibility of Retrieved Information
- › 3.6 Apply Search Engine Optimization Techniques in Information Retrieval

• 4 Unit 4 — Digital Libraries — E-Resources and Knowledge Portals — 6 classes

— 6 classes

- › 4.1 Explore the Concept of Digital Libraries and Their Importance
- › 4.2 Identify Types of E-Resources Available for Libraries
- › 4.3 Analyze the Role of Knowledge Portals in Information Dissemination
- › 4.4 Evaluate Digital Library Technologies and Their Applications
- › 4.5 Develop Strategies for Integrating E-Resources into Library Services
- › 4.6 Create a Prototype Knowledge Portal for Resource Sharing

• 5 Unit 5 — Library Digitisation Project — 6 classes

- › 5.1 Assessing Library Needs for Digitisation
- › 5.2 Understanding Digitisation Standards and Practices
- › 5.3 Selecting Appropriate Technologies for Digitisation
- › 5.4 Developing a Digitisation Project Plan
- › 5.5 Implementing Quality Control Measures in Digitisation
- › 5.6 Evaluating and Sustaining Digitisation Efforts

• 1 Unit 1 — Supply Chain Management — Procurement to Delivery

— 6 classes

- › 1.1 Define Supply Chain Management and Its Importance
- › 1.2 Identify Key Components of the Supply Chain Process
- › 1.3 Analyse Procurement Strategies in Supply Chain Management
- › 1.4 Evaluate Supplier Selection Criteria and Impact
- › 1.5 Apply Inventory Management Techniques to Optimize Supply Chain
- › 1.6 Develop a Delivery Plan to Enhance Customer Satisfaction

• 2 Unit 2 — Warehousing Operations — Layout, Handling and Inventory

— 6 classes

- › 2.1 Analyze Warehouse Layout Design Principles
- › 2.2 Explore Different Types of Warehousing Systems
- › 2.3 Evaluate Material Handling Equipment and Technologies
- › 2.4 Implement Inventory Management Techniques
- › 2.5 Assess Best Practices for Efficient Stock Control
- › 2.6 Create a Warehouse Operations Improvement Plan

• 3 Unit 3 — Transportation and Logistics — Modes and Route Planning

— 6 classes

- › 3.1 Identify Key Modes of Transportation in Logistics
- › 3.2 Analyze Advantages and Disadvantages of Each Transportation Mode
- › 3.3 Explore Factors Influencing Route Planning Decisions
- › 3.4 Develop Skills in Selecting Optimal Transportation Routes
- › 3.5 Evaluate Real-World Case Studies on Transportation Efficiency
- › 3.6 Design a Comprehensive Transportation Plan for a Supply Chain Scenario

• 4 Unit 4 — Freight Documentation — Bill of Lading, Airway Bill — 6

classes

- › 4.1 Define and Explain the Bill of Lading
- › 4.2 Identify Different Types of Bills of Lading
- › 4.3 Analyze the Legal Implications of Bills of Lading
- › 4.4 Describe the Airway Bill and Its Purpose
- › 4.5 Compare and Contrast the Bill of Lading and Airway Bill
- › 4.6 Apply Best Practices in Completing Freight Documentation

• 5 Unit 5 — Supply Chain Project — Map and Optimise a Process —

6 classes

- › 5.1 Identify Key Components of Supply Chain Processes
- › 5.2 Map Existing Supply Chain Processes Using Flowcharts
- › 5.3 Analyze Process Bottlenecks in Supply Chain Operations
- › 5.4 Evaluate Supply Chain Performance Metrics for Optimization
- › 5.5 Develop Strategies to Optimize Supply Chain Processes
- › 5.6 Present and Justify Proposed Improvements to Supply Chain Efficiency

• 1 Unit 1 — Advanced Marketing Strategy and 4Ps/7Ps — 6 classes

- › 1.1 Analyze the Role of Market Segmentation in Advanced Marketing Strategies
- › 1.2 Evaluate the Effectiveness of the 4Ps in Contemporary Marketing
- › 1.3 Compare and Contrast the 4Ps and 7Ps Frameworks
- › 1.4 Develop a Unique Value Proposition for Target Market Segments
- › 1.5 Design a Comprehensive Marketing Mix Using the 7Ps Model
- › 1.6 Create a Marketing Strategy Presentation for a New Product Launch

• 2 Unit 2 — Digital Marketing — SEO, SEM, Social Media and Analytics

— 6 classes

- › 2.1 Understand the Fundamentals of SEO and Its Importance in Digital Marketing
- › 2.2 Analyze On-Page SEO Techniques to Improve Website Visibility
- › 2.3 Explore Off-Page SEO Strategies for Building Authority and Backlinks
- › 2.4 Compare and Contrast SEO and SEM for Effective Digital Marketing Campaigns
- › 2.5 Leverage Social Media Platforms for Targeted Marketing and Brand Engagement
- › 2.6 Utilize Analytics Tools to Measure Success and Optimize Digital Marketing Efforts

• 3 Unit 3 — Brand Management — Identity, Equity and Repositioning

— 6 classes

- › 3.1 Define Brand Identity and Its Key Components
- › 3.2 Explore the Concept of Brand Equity and Its Importance
- › 3.3 Analyze Successful Brand Positioning Strategies
- › 3.4 Evaluate the Role of Consumer Perceptions in Brand Equity
- › 3.5 Implement Techniques for Brand Repositioning
- › 3.6 Develop a Brand Management Plan for a Case Study

• 4 Unit 4 — Sales Analytics, CRM and Performance Metrics — 6

classes

- › 4.1 Analyze Key Sales Metrics for Performance Improvement
- › 4.2 Implement CRM Tools to Enhance Customer Engagement
- › 4.3 Evaluate Data Trends to Forecast Sales Outcomes
- › 4.4 Integrate Sales Analytics with Marketing Strategies
- › 4.5 Develop Actionable Insights from CRM Data
- › 4.6 Create a Performance Metrics Dashboard for Sales Teams

• 5 Unit 5 — Marketing Campaign Project — Plan and Execute — 6

classes

- › 5.1 Define Target Audience for Effective Campaigns
- › 5.2 Set SMART Goals for Marketing Campaigns
- › 5.3 Develop a Creative Brief for Campaign Direction
- › 5.4 Choose Appropriate Channels for Marketing Distribution
- › 5.5 Create a Timeline for Campaign Execution
- › 5.6 Measure and Evaluate Campaign Performance Metrics

• 1 Unit 1 — Media Theory — Mass Communication Models — 6

classes

- › 1.1 Explore the Foundations of Mass Communication Models
- › 1.2 Analyze the Shannon-Weaver Model and Its Applications
- › 1.3 Compare and Contrast Linear vs. Interactive Communication Models
- › 1.4 Investigate the Uses and Gratifications Theory in Media Consumption
- › 1.5 Evaluate the Role of Encoding and Decoding in Effective Communication
- › 1.6 Apply Mass Communication Models to Current Media Case Studies

• 2 Unit 2 — Print Journalism — Reporting, Writing and Editing — 6

classes

- › 2.1 Explore the Fundamentals of Print Journalism
- › 2.2 Identify Key Elements of Effective News Reporting
- › 2.3 Distinguish Between Different Types of Journalistic Writing
- › 2.4 Practice Crafting Clear and Engaging News Stories
- › 2.5 Analyze Real-Life Examples of Print Journalism
- › 2.6 Edit and Revise Articles for Clarity and Accuracy

• 3 Unit 3 — Broadcast Media — Radio, TV Production Basics — 6

classes

- › 3.1 Explore the History and Evolution of Broadcast Media
- › 3.2 Identify and Analyze Key Elements of Radio Production
- › 3.3 Understand the Fundamentals of Television Production Techniques
- › 3.4 Develop Skills for Scriptwriting in Radio and TV Formats
- › 3.5 Create a Basic Radio Program Using Production Tools
- › 3.6 Plan and Present a Short Television Segment with Audience Engagement

• 4 Unit 4 — Digital Media — Blogging, Podcasting, Social Journalism — 6 classes

- › 4.1 Explore the Key Features of Blogging Platforms
- › 4.2 Develop a Personal Blogging Strategy and Voice
- › 4.3 Understand the Basics of Podcasting Techniques
- › 4.4 Create a Podcast Outline and Script
- › 4.5 Examine the Role of Social Journalism in Digital Media
- › 4.6 Evaluate Ethical Considerations in Digital Content Creation

• 5 Unit 5 — Media Project — Produce a News Package or Feature —

6 classes

- › 5.1 Analyze Different News Formats and Their Elements
- › 5.2 Research Your Topic: Gathering Facts and Perspectives
- › 5.3 Develop a Storyboard for Your News Package
- › 5.4 Write Compelling Scripts for News and Feature Stories
- › 5.5 Record and Edit Engaging Audio-Visual Content
- › 5.6 Present Your News Package: Techniques for Effective Delivery

• 1 Unit 1 — Advanced HTML5 and CSS3 — Responsive Web Design

— 6 classes

- › 1.1 Understand the Principles of Responsive Web Design
- › 1.2 Explore HTML5 Semantic Elements for Improved Structure
- › 1.3 Apply CSS3 Media Queries for Adaptive Layouts
- › 1.4 Implement Flexible Grid Systems Using CSS Flexbox
- › 1.5 Optimize Images and Assets for Mobile Performance
- › 1.6 Test and Debug Responsive Websites Across Devices

• 2 Unit 2 — JavaScript Fundamentals — DOM, Events, AJAX — 6

classes

- › 2.1 Understand the Document Object Model (DOM) Structure
- › 2.2 Manipulate HTML Elements Using JavaScript
- › 2.3 Handle User Interactions with JavaScript Events
- › 2.4 Implement Event Delegation for Efficient Handling
- › 2.5 Introduction to AJAX: Making Asynchronous Requests
- › 2.6 Create a Dynamic Web Application Using AJAX

• 3 Unit 3 — Web Design Tools — Figma, Adobe XD, Wireframing — 6

classes

- › 3.1 Explore Figma: Navigating the Interface and Tools
- › 3.2 Create Interactive Prototypes in Figma
- › 3.3 Design User Interfaces with Adobe XD: Best Practices
- › 3.4 Collaborate on Designs in Adobe XD: Sharing and Feedback
- › 3.5 Wireframing Basics: Creating Low-Fidelity Designs
- › 3.6 Integrate Figma and Adobe XD in Web Design Projects

• 4 Unit 4 — Multimedia Content — Infographics, Video, Animation —

6 classes

- › 4.1 Explore the Essentials of Infographic Design
- › 4.2 Analyze Visual Data: How to Represent Information Effectively
- › 4.3 Create an Engaging Infographic Using Design Tools
- › 4.4 Understand Video Production: Planning and Scripting
- › 4.5 Produce a Short Informative Video for Online Platforms
- › 4.6 Animate Concepts: Introduction to Animation Techniques and Tools

• 5 Unit 5 — Web Project — Design and Deploy a Multi-Page Site — 6

classes

- › 5.1 Analyze User Requirements for a Multi-Page Site
- › 5.2 Create Wireframes and Site Maps for Web Navigation
- › 5.3 Design Visual Elements Using HTML and CSS
- › 5.4 Implement Responsive Design Principles for Mobile Compatibility
- › 5.5 Integrate Multimedia Components into Web Pages
- › 5.6 Deploy the Multi-Page Site to a Live Server

• 1 Unit 1 — Exercise Physiology — Cardio, Strength, Flexibility — 6

classes

- › 1.1 Explore the Cardiovascular System and Its Function in Exercise
- › 1.2 Understand Energy Systems: Aerobic vs. Anaerobic Exercise
- › 1.3 Examine Muscle Types and Their Role in Strength Training
- › 1.4 Develop Techniques for Effective Strength Training Protocols
- › 1.5 Analyze Flexibility: Importance and Types of Stretching
- › 1.6 Create a Balanced Workout Plan Incorporating Cardio, Strength, and Flexibility

• 2 Unit 2 — Sports Nutrition — Macros, Hydration and Supplements — 6 classes

- › 2.1 Analyze the Role of Macronutrients in Athletic Performance
- › 2.2 Explore the Importance of Hydration for Physical Activity
- › 2.3 Compare Different Sources of Carbohydrates for Sports
- › 2.4 Investigate Protein Requirements for Muscle Recovery
- › 2.5 Assess Popular Supplements and Their Effects on Performance
- › 2.6 Create a Personalized Nutrition Plan for Athletes

• 3 Unit 3 — Coaching Methodology — Planning and Periodisation — 6 classes

- › 3.1 Explore the Fundamentals of Coaching Methodology
- › 3.2 Develop Effective Goal Setting Techniques for Athletes
- › 3.3 Design Structured Training Plans for Different Skill Levels
- › 3.4 Implement Periodisation Models to Enhance Performance
- › 3.5 Assess and Adapt Training Plans Based on Athlete Feedback
- › 3.6 Evaluate the Impact of Periodisation on Athlete Progress

• 4 Unit 4 — Fitness Assessment — VO2 Max, BMI, Flexibility Tests — 6 classes

6 classes

- › 4.1 Understand the Importance of VO2 Max in Fitness Assessment
- › 4.2 Explore Methods for Measuring VO2 Max Effectively
- › 4.3 Analyze Body Composition through BMI Calculation
- › 4.4 Examine the Significance of Flexibility in Physical Fitness
- › 4.5 Conduct Practical Flexibility Tests for Client Assessment
- › 4.6 Interpret and Integrate Assessment Results into Training Plans

• 5 Unit 5 — Personal Training Portfolio and Assessment Plan — 6 classes

classes

- › 5.1 Define Key Components of a Personal Training Portfolio
- › 5.2 Analyze Client Needs and Goals for Tailored Assessment
- › 5.3 Create a Structured Assessment Plan for Personal Trainers
- › 5.4 Develop Strategies for Documenting Client Progress Effectively
- › 5.5 Evaluate the Impact of Assessments on Client Outcomes
- › 5.6 Present a Comprehensive Personal Training Portfolio to Stakeholders

• 1 Unit 1 — Python Programming — OOP, Modules and Libraries — 6 classes

classes

- › 1.1 Understand the Basics of Object-Oriented Programming in Python
- › 1.2 Explore Key OOP Concepts: Classes and Objects
- › 1.3 Implement Inheritance and Polymorphism in Python
- › 1.4 Discover the Importance of Python Modules for Code Reusability
- › 1.5 Utilize Standard Libraries: NumPy and Pandas for Data Handling
- › 1.6 Create a Simple Python Application Using OOP and Libraries

• 2 Unit 2 — Data Structures — Lists, Dicts, DataFrames (pandas) — 6 classes

classes

- › 2.1 Explore Python Lists: Creation and Basic Operations
- › 2.2 Manipulate Lists: Slicing, Appending, and Deleting Elements
- › 2.3 Discover Dictionaries: Key-Value Pairs and Data Retrieval
- › 2.4 Implement Dictionaries: Adding, Updating, and Removing Entries
- › 2.5 Introduction to Pandas DataFrames: Structure and Creation
- › 2.6 Analyze DataFrames: Indexing, Selecting, and Filtering Data

• 3 Unit 3 — Data Visualisation — Matplotlib, Seaborn, Plotly — 6 classes

classes

- › 3.1 Explore Basic Plotting with Matplotlib
- › 3.2 Customize Data Visualizations using Matplotlib Styles
- › 3.3 Create Advanced Charts with Seaborn
- › 3.4 Use Seaborn to Visualize Statistical Relationships
- › 3.5 Develop Interactive Visualizations with Plotly
- › 3.6 Integrate Multiple Libraries for Comprehensive Data Insights

• 4 Unit 4 — Statistical Analysis and Hypothesis Testing in Python — 6 classes

6 classes

- › 4.1 Understand Descriptive Statistics in Python
- › 4.2 Explore Probability Distributions Using Python
- › 4.3 Conduct Inferential Statistics with Hypothesis Testing
- › 4.4 Implement T-tests and ANOVA in Python
- › 4.5 Analyze Data Visualization Techniques for Statistical Results
- › 4.6 Apply Statistical Analysis to Real-World Datasets

• 5 Unit 5 — Data Visualisation Project — Dashboard and Storytelling — 6 classes

— 6 classes

- › 5.1 Define Key Concepts in Data Visualization
- › 5.2 Explore Different Types of Data Visualizations
- › 5.3 Design an Effective Dashboard Layout
- › 5.4 Integrate Interactive Elements in Dashboards
- › 5.5 Create a Data Story using Visualization Techniques
- › 5.6 Present and Critique Dashboard Projects

• 1 Unit 1 — Retail Strategy — Formats, Positioning and Value Proposition — 6 classes

- › 1.1 Analyze Different Retail Formats and Their Characteristics
- › 1.2 Evaluate Market Positioning Strategies for Retail Success
- › 1.3 Explore Customer Segmentation for Effective Retail Positioning
- › 1.4 Develop a Compelling Value Proposition for Retail Offerings
- › 1.5 Compare Competitive Advantages of Various Retail Formats
- › 1.6 Create a Retail Strategy Plan Incorporating Positioning and Value Proposition

• 2 Unit 2 — Merchandise Planning and Category Management — 6 classes

- › 2.1 Define Merchandise Planning Concepts and Importance
- › 2.2 Analyze Key Elements of Category Management
- › 2.3 Explore Data-Driven Decision Making in Merchandise Planning
- › 2.4 Develop Effective Product Assortment Strategies
- › 2.5 Implement Inventory Management Techniques for Categories
- › 2.6 Create a Merchandise Plan for a Retail Category

• 3 Unit 3 — Supply Chain in Retail — Vendors, DC and Last Mile — 6 classes

- › 3.1 Analyze the Role of Vendors in Retail Supply Chains
- › 3.2 Evaluate Distribution Center Functions and Operations
- › 3.3 Discuss Key Strategies for Efficient Last Mile Delivery
- › 3.4 Identify Challenges in Vendor and DC Collaboration
- › 3.5 Design a Supply Chain Model Incorporating Vendors and DC
- › 3.6 Implement Best Practices for Optimizing Last Mile Logistics

• 4 Unit 4 — E-commerce and Omnichannel Retail Strategies — 6 classes

- › 4.1 Explore the Fundamentals of E-commerce Models
- › 4.2 Analyze Key Components of Omnichannel Retailing
- › 4.3 Assess the Role of Digital Marketing in E-commerce
- › 4.4 Examine Consumer Behavior in Omnichannel Shopping
- › 4.5 Develop an E-commerce Strategy for a Retail Business
- › 4.6 Implement an Integrated Omnichannel Experience

• 5 Unit 5 — Retail Business Plan and Analytics Project — 6 classes

- › 5.1 Analyze Key Components of a Retail Business Plan
- › 5.2 Assess Market Trends for Effective Retail Strategies
- › 5.3 Develop Financial Projections for Retail Ventures
- › 5.4 Create a SWOT Analysis for Retail Business Planning
- › 5.5 Implement Data Analytics Tools for Retail Insights
- › 5.6 Present and Critique a Retail Business Plan Proposal

• 1 Unit 1 — Agripreneurship — Starting a Farm-Based Enterprise — 6 classes

- › 1.1 Identify Key Characteristics of Successful Agripreneurs
- › 1.2 Explore Market Research Techniques for Farm-Based Enterprises
- › 1.3 Develop a Business Idea for a Farm-Based Enterprise
- › 1.4 Create a Basic Business Plan Outline for Agripreneurship
- › 1.5 Analyze Financial Requirements and Funding Options for Startups
- › 1.6 Implement Strategies for Marketing and Branding Your Agripreneurial Venture

• 2 Unit 2 — Rural Markets — Value Chains, FPOs and Cooperatives — 6 classes

- › 2.1 Explore the Concept of Value Chains in Rural Markets
- › 2.2 Analyze the Role of FPOs in Enhancing Agricultural Productivity
- › 2.3 Identify Key Components of Successful Cooperatives
- › 2.4 Evaluate the Impact of Value Chains on Rural Economic Development
- › 2.5 Design a Value Chain Framework for a Local Agricultural Product
- › 2.6 Implement Strategies for Strengthening FPOs and Cooperatives

• 3 Unit 3 — Organic Farming — Certification, Methods and Marketing — 6 classes

- › 3.1 Explore the Principles of Organic Farming
- › 3.2 Identify Certification Standards for Organic Produce
- › 3.3 Examine Sustainable Methods in Organic Agriculture
- › 3.4 Implement Soil Health Practices for Organic Farming
- › 3.5 Analyze Marketing Strategies for Organic Products
- › 3.6 Develop a Business Plan for an Organic Farm

• 4 Unit 4 — Government Agricultural Schemes — PM-KISAN, eNAM, MNREGA — 6 classes

- › 4.1 Explore PM-KISAN: Understanding the Scheme's Objectives and Benefits
- › 4.2 Analyze the Impact of PM-KISAN on Smallholder Farmers' Livelihoods
- › 4.3 Investigate eNAM: Features and Functionality of the National Agricultural Market
- › 4.4 Examine the Role of eNAM in Enhancing Farmers' Market Access
- › 4.5 Assess MNREGA: Understanding its Contribution to Rural Employment and Development
- › 4.6 Implement a Case Study: Evaluating the Synergy Between PM-KISAN, eNAM, and MNREGA

• 5 Unit 5 — Rural Innovation Project — Idea to Prototype — 6 classes

- › 5.1 Identify Local Needs through Community Engagement
- › 5.2 Brainstorm Innovative Solutions for Rural Challenges
- › 5.3 Develop a Feasibility Analysis for Selected Ideas
- › 5.4 Create a Prototype Plan with Clear Objectives
- › 5.5 Conduct Prototype Testing and Gather Feedback
- › 5.6 Present and Refine the Innovation Project for Stakeholders

• **1 Unit 1 — Advanced Shorthand — Pitman/Gregg Speed Practice —**

6 classes

- › 1.1 Master Essential Pitman Shorthand Techniques
- › 1.2 Practice Accurate Gregg Shorthand Transcription
- › 1.3 Improve Speed with Targeted Dictation Exercises
- › 1.4 Utilize Advanced Vocabulary in Shorthand Contexts
- › 1.5 Assess Progress through Timed Shorthand Tests
- › 1.6 Apply Shorthand Skills in Real-World Scenarios

• **2 Unit 2 — Advanced Typing — Speed, Accuracy and Special Characters —**

6 classes

- › 2.1 Enhance Typing Speed with Targeted Drills
- › 2.2 Measure and Analyze Your Typing Accuracy
- › 2.3 Practice Special Character Key Combinations
- › 2.4 Integrate Speed and Accuracy in Typing Exercises
- › 2.5 Employ Typing Software for Progressive Learning
- › 2.6 Assess Your Skills: Speed and Accuracy Test

• **3 Unit 3 — Office Automation — MS Office Advanced and Google Workspace —**

6 classes

- › 3.1 Explore Advanced MS Office Features for Efficiency
- › 3.2 Master Data Management with Excel Advanced Functions
- › 3.3 Create Engaging Presentations Using PowerPoint Advanced Tools
- › 3.4 Utilize Google Docs for Collaborative Document Editing
- › 3.5 Optimize Workflow with Google Sheets Advanced Formulas
- › 3.6 Integrate MS Office and Google Workspace for Seamless Productivity

• **4 Unit 4 — Secretarial Practices — Minutes, Agenda, Office Management —**

6 classes

- › 4.1 Define the Purpose and Structure of Meeting Agendas
- › 4.2 Identify Key Components of Effective Meeting Minutes
- › 4.3 Explore Various Types of Meetings and Their Agendas
- › 4.4 Practice Writing Clear and Concise Meeting Minutes
- › 4.5 Analyze Real-life Examples of Agendas and Minutes
- › 4.6 Develop a Personal Strategy for Effective Office Management

• **5 Unit 5 — Stenography and Office Administration Project —**

6 classes

- › 5.1 Explore the Fundamentals of Stenography Techniques
- › 5.2 Identify Tools and Software for Effective Stenography
- › 5.3 Practice Transcription Skills with Real-time Stenography Exercises
- › 5.4 Develop Efficient Note-taking Strategies for Office Administration
- › 5.5 Integrate Stenographic Skills into Office Communication Practices
- › 5.6 Create a Stenography-based Project: Implementation and Presentation

• **1 Unit 1 — Tourism Management — Planning, Operations and Policy —**

6 classes

- › 1.1 Analyze the Impacts of Tourism on Local Economies
- › 1.2 Evaluate the Importance of Sustainable Tourism Practices
- › 1.3 Develop a Comprehensive Tourism Plan for a Destination
- › 1.4 Assess Key Factors Influencing Tourism Operations Management
- › 1.5 Create Effective Marketing Strategies to Promote Tourism
- › 1.6 Formulate Policy Recommendations for Enhancing Tourism Growth

• **2 Unit 2 — Hospitality Operations — Front Office, F&B, Housekeeping —**

6 classes

- › 2.1 Understand Front Office Operations and Guest Interactions
- › 2.2 Explore Food and Beverage Management Best Practices
- › 2.3 Assess Housekeeping Standards and Procedures
- › 2.4 Implement Effective Customer Service Strategies in Hospitality
- › 2.5 Analyze the Role of Technology in Hospitality Operations
- › 2.6 Develop a Comprehensive Front Office Workflow

• **3 Unit 3 — Event Management — Conferences, MICE and Weddings —**

6 classes

- › 3.1 Define the Key Components of Event Management
- › 3.2 Explore the MICE Sector and Its Economic Impact
- › 3.3 Identify Best Practices for Organizing Conferences
- › 3.4 Analyze Wedding Trends and Client Preferences
- › 3.5 Develop a Detailed Event Plan for a Conference
- › 3.6 Evaluate Case Studies of Successful Events in Tourism

• **4 Unit 4 — Tourism Marketing and Digital Promotion —**

6 classes

- › 4.1 Analyze Target Markets in Tourism
- › 4.2 Explore Digital Marketing Channels for Hospitality
- › 4.3 Develop Engaging Content for Tourism Promotion
- › 4.4 Implement Social Media Strategies in Tourism Marketing
- › 4.5 Evaluate the Impact of Online Reviews on Hospitality
- › 4.6 Create a Comprehensive Digital Marketing Plan for a Tourism Business

• **5 Unit 5 — Tourism and Hospitality Project — Event Plan —**

6 classes

- › 5.1 Define Key Components of an Event Plan
- › 5.2 Identify Target Audience for Tourism Events
- › 5.3 Set Objectives and Goals for Successful Events
- › 5.4 Develop a Budget for Event Planning
- › 5.5 Create a Marketing Strategy for Tourism Events
- › 5.6 Present and Evaluate an Event Plan Proposal

• 1 Unit 1 — Travel Agency Operations — IATA, GDS and Ticketing —

6 classes

- › 1.1 Explore IATA: Understanding Regulations and Role in Travel
- › 1.2 Analyze GDS: Exploring Global Distribution Systems for Travel Agencies
- › 1.3 Examine Ticketing Methods: Types and Processes in Travel
- › 1.4 Practice Booking: Hands-on Simulation of GDS Ticketing
- › 1.5 Evaluate Customer Needs: Tailoring Travel Packages with IATA Standards
- › 1.6 Implement Solutions: Resolving Common Ticketing Issues in Travel Agency Operations

• 2 Unit 2 — Tour Packaging — FIT, GIT and Specialty Tours — 6

classes

- › 2.1 Identify the Key Components of Tour Packaging
- › 2.2 Differentiate Between FIT and GIT Tour Types
- › 2.3 Explore the Characteristics of Specialty Tours
- › 2.4 Analyze Customer Preferences for Tour Types
- › 2.5 Design a Basic Tour Package for FIT Clients
- › 2.6 Create a Compelling Itinerary for a Specialty Tour

• 3 Unit 3 — Destination Management — Geography and Visa Procedures — 6 classes

- › 3.1 Explore Key Geographical Features of Popular Tourist Destinations
- › 3.2 Analyze the Impact of Geography on Travel Patterns and Trends
- › 3.3 Investigate Visa Requirements for Major Travel Destinations
- › 3.4 Examine the Role of Embassies in Visa Processes for Travellers
- › 3.5 Assess the Implications of Visa Policies on Destination Management
- › 3.6 Develop a Destination Management Plan Considering Geography and Visa Factors

• 4 Unit 4 — Customer Relationship Management in Travel — 6 classes

- › 4.1 Explore the Fundamentals of Customer Relationship Management in Travel
- › 4.2 Analyze Customer Segmentation Techniques for Travel Services
- › 4.3 Develop Effective Communication Strategies for Engaging Customers
- › 4.4 Implement Feedback Mechanisms to Enhance Customer Experience
- › 4.5 Apply Technology Tools for CRM in Travel and Tourism
- › 4.6 Design a Customer-Centric Strategy for a Travel Business

• 5 Unit 5 — Travel Agency Simulation — Book, Package and Sell — 6 classes

- › 5.1 Analyze Customer Preferences for Travel Packages
- › 5.2 Explore Different Types of Travel Packages
- › 5.3 Assess Legal and Ethical Considerations in Travel Booking
- › 5.4 Utilize Booking Software for Travel Package Creation
- › 5.5 Develop Effective Sales Techniques for Travel Packages
- › 5.6 Simulate Real-World Scenarios in Travel Agency Sales

• 1 Unit 1 — Frontend Development — HTML, CSS, JavaScript (Advanced) — 6 classes

- › 1.1 Construct Semantic HTML Structures
- › 1.2 Style Web Pages Using Advanced CSS Techniques
- › 1.3 Implement Responsive Design with CSS Flexbox and Grid
- › 1.4 Enhance User Interaction with JavaScript Events
- › 1.5 Create Dynamic Content with JavaScript DOM Manipulation
- › 1.6 Integrate APIs Using Fetch for Interactive Web Applications

• 2 Unit 2 — Backend Basics — PHP/Python and MySQL Integration — 6 classes

- › 2.1 Understand the Role of Backend Development in Web Applications
- › 2.2 Set Up Development Environment for PHP and MySQL
- › 2.3 Explore Basic Syntax and Functions in PHP
- › 2.4 Implement CRUD Operations with MySQL Database
- › 2.5 Connect PHP with MySQL Using PDO
- › 2.6 Build a Simple Web Application Using PHP and MySQL

• 3 Unit 3 — React or Vue Introduction — Components and State — 6 classes

- › 3.1 Explore the Fundamentals of Components in React and Vue
- › 3.2 Understand the Lifecycle of React and Vue Components
- › 3.3 Differentiate Between Functional and Class Components in React
- › 3.4 Implement Component Props and State Management in Vue
- › 3.5 Practice Building a Simple Component in React or Vue
- › 3.6 Evaluate Component Interaction and Data Flow in Modern Frameworks

• 4 Unit 4 — Database Design — ER Diagrams, Normalisation, Queries — 6 classes

- › 4.1 Identify Key Components of ER Diagrams
- › 4.2 Construct Basic ER Diagrams from Requirements
- › 4.3 Understand the Principles of Normalisation
- › 4.4 Apply Normalisation Techniques to Database Designs
- › 4.5 Formulate SQL Queries for Database Interaction
- › 4.6 Evaluate and Optimize SQL Queries for Performance

• 5 Unit 5 — Full-Stack Web Application Project — Build and Deploy — 6 classes

- › 5.1 Define Project Scope and Requirements for Full-Stack Development
- › 5.2 Design User Interface Wireframes for Web Applications
- › 5.3 Implement Front-End Functionality Using HTML, CSS, and JavaScript
- › 5.4 Set Up Back-End Architecture with Node.js and Express
- › 5.5 Connect Database Integration for Dynamic Data Management
- › 5.6 Deploy and Test Your Full-Stack Web Application on a Cloud Platform

• 1 Unit 1 — Advanced Yoga Asanas — Backbends, Inversions, Twists — 6 classes

- › 1.1 Explore the Fundamentals of Backbends
- › 1.2 Master Key Techniques for Safe Backbending
- › 1.3 Develop Strength and Flexibility for Inversions
- › 1.4 Practice Essential Inversions: Methods and Variations
- › 1.5 Integrate Twists for Enhanced Spinal Mobility
- › 1.6 Create a Comprehensive Backbend and Inversion Sequence

• 2 Unit 2 — Therapeutic Yoga — Managing Stress, Diabetes, Back Pain — 6 classes

- › 2.1 Identify Stress Triggers and Their Impact on Health
- › 2.2 Explore Breathing Techniques for Stress Relief
- › 2.3 Implement Asanas for Managing Back Pain
- › 2.4 Understand the Relationship Between Yoga and Diabetes Management
- › 2.5 Design a Personalized Yoga Routine for Stress Relief and Pain Management
- › 2.6 Evaluate the Effectiveness of Therapeutic Yoga Practices in Daily Life

• 3 Unit 3 — Pranayama Mastery — Kapalbhathi, Anulom Vilom, Bhramari — 6 classes

- › 3.1 Introduce Kapalbhathi: Techniques and Benefits
- › 3.2 Practice Kapalbhathi: Step-by-Step Guided Session
- › 3.3 Understand Anulom Vilom: Theory and Application
- › 3.4 Engage in Anulom Vilom: Breathing Exercise Workshop
- › 3.5 Explore Bhramari: Sound and Breath Integration
- › 3.6 Combine Techniques: Developing a Personal Pranayama Routine

• 4 Unit 4 — Yoga Philosophy — Patanjali, Hatha and Nidra — 6 classes

- › 4.1 Explore the Foundations of Patanjali's Yoga Philosophy
- › 4.2 Analyze the Eight Limbs of Yoga: A Deep Dive
- › 4.3 Investigate the Principles of Hatha Yoga: Balance and Energy
- › 4.4 Understand the Concepts of Pranayama and Its Role in Hatha Yoga
- › 4.5 Experience and Reflect on Yoga Nidra: The Art of Conscious Sleep
- › 4.6 Integrate Patanjali, Hatha, and Nidra into Personal Practice

• 5 Unit 5 — Yoga Instructor Basics — Class Structuring and Cueing — 6 classes

- › 5.1 Define the Elements of a Structured Yoga Class
- › 5.2 Explore Different Class Formats and Their Applications
- › 5.3 Develop Effective Cueing Techniques for Yoga Poses
- › 5.4 Implementing Transitions Between Poses for Flow
- › 5.5 Tailoring Class Structure to Different Skill Levels
- › 5.6 Assessing and Adapting Lesson Plans Based on Student Feedback