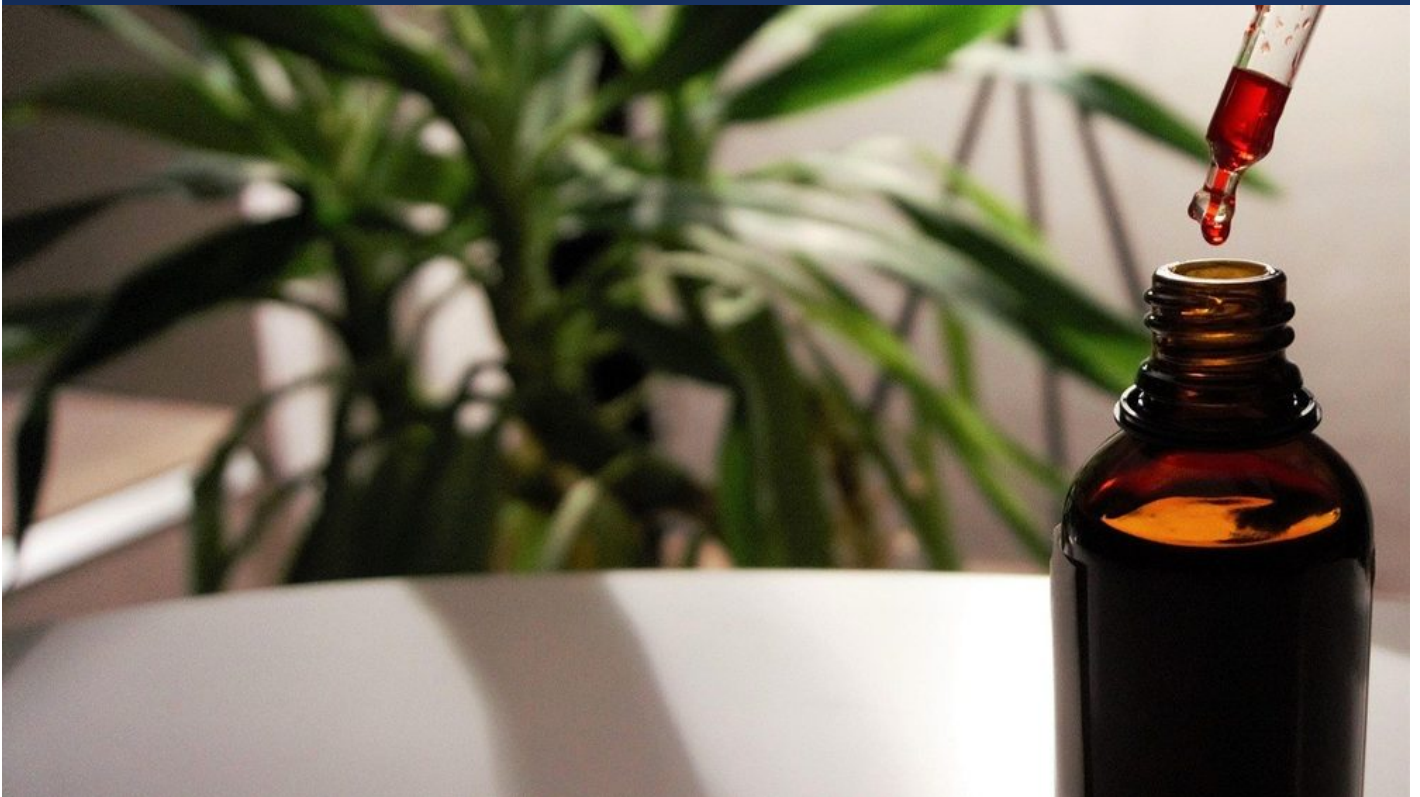


LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

LAPT Certification Class 12



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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 — Advanced GST — IGST, CGST, Returns and Audits — 6 classes

› 1.1 Understand the Concept of IGST and Its Application

› 1.2 Differentiate Between CGST and SGST with Examples

› 1.3 Analyze the Structure of GST Returns in India

› 1.4 Prepare a Sample GST Return for Compliance

› 1.5 Explore the Audit Process for GST Returns

› 1.6 Assess the Impact of GST Audits on Business Operations

• 2 Unit 2 — Income Tax Returns — Filing, Assessment and Appeals — 6 classes

› 2.1 Understand the Fundamentals of Income Tax Returns

› 2.2 Identify Required Documents for Filing Income Tax Returns

› 2.3 Explore Different Income Tax Return Forms and Their Uses

› 2.4 Learn the Step-by-Step Process of Filing Income Tax Returns

› 2.5 Analyze Common Issues in Income Tax Assessment

› 2.6 Develop a Strategy for Appeals Against Income Tax Assessments

• 3 Unit 3 — Advanced Tally ERP — Payroll, Banking and Cost Centres — 6 classes

› 3.1 Navigate Payroll Features in Tally ERP

› 3.2 Configure Employee Salary Structures in Tally ERP

› 3.3 Process Payroll Transactions and Generate Payslips

› 3.4 Manage Banking Transactions and Reconciliations in Tally

› 3.5 Implement Cost Centre Accounting in Tally ERP

› 3.6 Analyze Reports for Payroll, Banking, and Cost Centres

• 4 Unit 4 — Business Audit — Internal and External Audit Basics — 6 classes

› 4.1 Define Internal and External Audit Concepts

› 4.2 Explore the Objectives of Internal Audits

› 4.3 Identify Key Differences Between Internal and External Audits

› 4.4 Examine Audit Standards and Guidelines

› 4.5 Assess the Role of Auditors in Business Compliance

› 4.6 Apply Audit Techniques to Real-World Scenarios

• 5 Unit 5 — Accounting and Taxation Capstone Project — 6 classes

› 5.1 Analyze Key Accounting Concepts in Capstone Projects

› 5.2 Evaluate Taxation Principles Relevant to Project Implementation

› 5.3 Develop Comprehensive Financial Statements for Capstone Projects

› 5.4 Create Effective Tax Planning Strategies in Accounting Projects

› 5.5 Assess Ethical Considerations in Accounting and Taxation Practices

› 5.6 Present and Defend Project Findings to Stakeholders

• **1 Unit 1 — Deep Learning — CNNs, RNNs and Transfer Learning —**

6 classes

- › 1.1 Explore the Fundamentals of Deep Learning
- › 1.2 Understand Convolutional Neural Networks (CNNs) in Depth
- › 1.3 Analyze the Architecture and Applications of RNNs
- › 1.4 Investigate the Mechanisms of Transfer Learning
- › 1.5 Implement CNNs for Image Classification Tasks
- › 1.6 Apply Transfer Learning Techniques in Real-World Projects

• **2 Unit 2 — Natural Language Processing — Tokenisation and Sentiment —**

6 classes

- › 2.1 Understand Tokenisation in Natural Language Processing
- › 2.2 Explore Different Tokenisation Techniques and Methods
- › 2.3 Implement Basic Tokenisation using Python Libraries
- › 2.4 Define Sentiment Analysis and its Importance in NLP
- › 2.5 Analyze Sentiment through Text using Machine Learning Models
- › 2.6 Evaluate the Impact of Tokenisation on Sentiment Analysis Outcomes

• **3 Unit 3 — Computer Vision — Object Detection and Classification**

— 6 classes

- › 3.1 Introduce Object Detection Techniques and Frameworks
- › 3.2 Explore Image Annotation and Dataset Preparation for Object Detection
- › 3.3 Implement Basic Object Detection Algorithms Using OpenCV
- › 3.4 Analyze Performance Metrics for Object Detection Models
- › 3.5 Classify Objects Using Pre-trained Deep Learning Models
- › 3.6 Develop a Simple Object Detection Application with Real-time Video Feed

• **4 Unit 4 — AI Ethics, Fairness and Responsible AI Deployment —**

6 classes

- › 4.1 Define and Analyze AI Ethics in Modern Applications
- › 4.2 Identify Key Principles of Fairness in AI Systems
- › 4.3 Evaluate Potential Biases in AI Models
- › 4.4 Discuss the Importance of Transparency in AI Deployment
- › 4.5 Examine Real-World Case Studies of Ethical AI Failures
- › 4.6 Develop a Framework for Responsible AI Deployment

• **5 Unit 5 — AI Capstone Project — Solve a Real-World Problem —**

6 classes

- › 5.1 Identify Real-World Problems for AI Solutions
- › 5.2 Research and Analyze Existing Solutions
- › 5.3 Define Project Goals and Success Criteria
- › 5.4 Develop an AI Model Prototype
- › 5.5 Test and Evaluate AI Model Effectiveness
- › 5.6 Present and Communicate Findings to Stakeholders

• **1 Unit 1 — Advanced Automotive Diagnostics — OBD, CAN Bus —**

6 classes

- › 1.1 Explore OBD Systems and Their Importance in Diagnostics
- › 1.2 Understand the Structure and Functions of the CAN Bus
- › 1.3 Identify Common OBD-II Codes and Their Meanings
- › 1.4 Analyze Data from OBD and CAN Bus for Diagnostic Purposes
- › 1.5 Use Diagnostic Tools to Communicate with OBD Systems
- › 1.6 Apply Advanced Diagnostics Techniques to Resolve Automotive Issues

• **2 Unit 2 — Electric and Hybrid Vehicle Systems — EV Technology**

— 6 classes

- › 2.1 Explore the Principles of Electric Vehicle (EV) Technology
- › 2.2 Analyze the Components of Electric and Hybrid Vehicle Systems
- › 2.3 Investigate Energy Storage Solutions for EVs
- › 2.4 Assess the Role of Charging Infrastructure in EV Adoption
- › 2.5 Evaluate the Environmental Impact of Electric and Hybrid Vehicles
- › 2.6 Design a Simple Electric Vehicle System Model

• **3 Unit 3 — Service Management — Workshop Operations and Quality**

— 6 classes

- › 3.1 Identify Key Components of Workshop Operations
- › 3.2 Evaluate Quality Standards in Automotive Service
- › 3.3 Analyze the Role of Inventory Management in Workshops
- › 3.4 Implement Best Practices for Customer Service in Automotive Workshops
- › 3.5 Develop Strategies for Continuous Improvement in Workshop Processes
- › 3.6 Create a Quality Assurance Checklist for Service Management

• **4 Unit 4 — Emission Norms, Safety Regulations and Compliance —**

6 classes

- › 4.1 Analyze the Evolution of Emission Norms in the Automotive Industry
- › 4.2 Explore Key Safety Regulations Impacting Vehicle Design
- › 4.3 Evaluate Global Compliance Standards for Emissions and Safety
- › 4.4 Investigate the Role of Technology in Meeting Emission Norms
- › 4.5 Conduct a Risk Assessment for Automotive Safety Compliance
- › 4.6 Develop a Compliance Strategy for Emissions and Safety Regulations

• **5 Unit 5 — Automotive Industry Project — Service Report —**

6 classes

- › 5.1 Analyze Key Components of an Effective Service Report
- › 5.2 Identify Industry Standards for Automotive Service Reporting
- › 5.3 Develop a Structured Template for Service Reports
- › 5.4 Gather Data and Information for Service Report Creation
- › 5.5 Craft a Comprehensive Service Report Using Industry Examples
- › 5.6 Present and Critique Service Reports in a Group Setting

• 1 Unit 1 — Treasury Operations and Capital Market Instruments — 6 classes

- › 1.1 Explore the Role of Treasury Operations in Financial Institutions
- › 1.2 Identify Key Capital Market Instruments and Their Functions
- › 1.3 Analyze the Relationship Between Treasury Management and Capital Markets
- › 1.4 Examine the Process of Cash Flow Management in Treasury Operations
- › 1.5 Evaluate Risks Associated with Treasury Operations and Capital Markets
- › 1.6 Apply Treasury Strategies to Optimize Investment Portfolios

• 2 Unit 2 — Banking Regulations — Basel III, RBI Guidelines — 6 classes

- › 2.1 Explain the Key Principles of Basel III Regulations
- › 2.2 Analyze the Impact of Basel III on Banking Stability
- › 2.3 Review the Role of the Reserve Bank of India in Banking Regulations
- › 2.4 Compare Basel III and Previous Banking Regulations
- › 2.5 Discuss Compliance Strategies for Indian Banks under Basel III
- › 2.6 Evaluate Case Studies of Basel III Implementation in India

• 3 Unit 3 — Trade Finance — LC, Bank Guarantees, Forex — 6 classes

- › 3.1 Explain the Fundamentals of Trade Finance
- › 3.2 Define and Analyze Letters of Credit (LC)
- › 3.3 Discuss the Role of Bank Guarantees in Trade Finance
- › 3.4 Explore Forex and Its Impact on International Trade
- › 3.5 Compare and Contrast Different Trade Finance Instruments
- › 3.6 Apply Trade Finance Solutions to Real-World Case Studies

• 4 Unit 4 — Fintech — Digital Lending, InsurTech, RegTech — 6 classes

- › 4.1 Explore the Evolution of Digital Lending Platforms
- › 4.2 Analyze the Impact of Fintech on Traditional Banking Models
- › 4.3 Examine Key Features and Benefits of InsurTech Innovations
- › 4.4 Investigate the Role of RegTech in Regulatory Compliance
- › 4.5 Assess Risk Management Strategies in Fintech Applications
- › 4.6 Design a Fintech Solution for a Real-World Banking Challenge

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

- › 5.1 Identify Key Components of Banking and Financial Services
- › 5.2 Analyze Current Trends in Banking Innovations
- › 5.3 Evaluate Risk Management Strategies in Financial Services
- › 5.4 Develop a Business Model for a Financial Product
- › 5.5 Create a Marketing Strategy for Banking Services
- › 5.6 Present a Capstone Project on Banking Solutions

• 1 Unit 1 — Advanced Spa and Wellness Consulting — 6 classes

- › 1.1 Analyze Client Needs for Spa and Wellness Services
- › 1.2 Explore Advanced Spa Treatments and Their Benefits
- › 1.3 Develop Personalized Wellness Plans for Clients
- › 1.4 Implement Effective Communication Techniques in Consulting
- › 1.5 Evaluate Spa Environment and Its Impact on Wellness
- › 1.6 Present Wellness Consultations and Client Follow-Up Strategies

• 2 Unit 2 — Aesthetic Treatments — Microdermabrasion, Peels — 6 classes

- › 2.1 Understand Microdermabrasion Techniques and Benefits
- › 2.2 Identify Suitable Skin Types for Microdermabrasion
- › 2.3 Explore Chemical Peel Types and Their Applications
- › 2.4 Assess Client Needs for Aesthetic Treatments
- › 2.5 Apply Microdermabrasion and Peel Procedures Safely
- › 2.6 Evaluate Treatment Outcomes and Client Satisfaction

• 3 Unit 3 — Bridal and Special Occasion Beauty Planning — 6 classes

- › 3.1 Identify Key Trends in Bridal Makeup
- › 3.2 Explore Skin Preparation Techniques for Special Occasions
- › 3.3 Analyze Different Bridal Styles and Themes
- › 3.4 Create Personalized Beauty Plans for Brides
- › 3.5 Develop a Timeline for Beauty and Wellness Preparation
- › 3.6 Present and Evaluate a Complete Bridal Beauty Proposal

• 4 Unit 4 — Salon Business Plan — Finance, Staffing and Marketing — 6 classes

- › 4.1 Analyze Financial Fundamentals for a Salon Business Plan
- › 4.2 Evaluate Staffing Needs and Roles in a Salon Environment
- › 4.3 Develop a Budget Strategy for Salon Operations
- › 4.4 Create an Effective Marketing Plan for Your Salon
- › 4.5 Implement Pricing Strategies to Maximize Profitability
- › 4.6 Present a Comprehensive Salon Business Plan

• 5 Unit 5 — Cosmetology Capstone — Portfolio and Client Project — 6 classes

- › 5.1 Define the Elements of a Professional Cosmetology Portfolio
- › 5.2 Gather and Organize Client Testimonies and Feedback
- › 5.3 Showcase Techniques: Selecting Your Best Work for Display
- › 5.4 Create a Visual Aesthetic for Your Portfolio Presentation
- › 5.5 Develop and Present a Comprehensive Client Project Plan
- › 5.6 Evaluate Peer Portfolios for Feedback and Improvement

• **1 Unit 1 — Bioinformatics — Sequence Analysis and BLAST** — 6

classes

- › 1.1 Understand the Basics of Sequence Analysis in Bioinformatics
- › 1.2 Explore the Importance of Sequence Alignment in Genomics
- › 1.3 Introduce the BLAST Algorithm: Principles and Uses
- › 1.4 Perform Sequence Searches using BLAST: A Hands-On Approach
- › 1.5 Analyze BLAST Results: Interpreting Hit Data and Statistics
- › 1.6 Apply BLAST in Real-World Scenarios: Case Studies and Examples

• **2 Unit 2 — PCR, ELISA and Molecular Diagnostic Techniques** — 6

classes

- › 2.1 Understand the Basics of PCR: Principles and Applications
- › 2.2 Explore PCR Techniques: Types and Protocols
- › 2.3 Identify Components and Steps of ELISA for Pathogen Detection
- › 2.4 Compare ELISA and PCR: Advantages and Limitations
- › 2.5 Implement Molecular Diagnostic Techniques in Biotechnological Research
- › 2.6 Evaluate Real-World Applications of PCR and ELISA in Medicine

• **3 Unit 3 — Agricultural Biotechnology — GM Crops, Tissue Culture**

— 6 classes

- › 3.1 Explore the Basics of Genetic Modification in Crops
- › 3.2 Understand the Science Behind GM Crops and Their Development
- › 3.3 Examine the Role of Biotech in Enhancing Crop Resistance
- › 3.4 Investigate the Process of Tissue Culture in Plant Propagation
- › 3.5 Analyze the Impact of GM Crops on Global Agriculture
- › 3.6 Apply Ethical Considerations to the Use of Biotechnology in Farming

• **4 Unit 4 — Biotechnology Industry — GMP, Regulatory and Ethics**

— 6 classes

- › 4.1 Explore Good Manufacturing Practices (GMP) in Biotechnology
- › 4.2 Analyze Regulatory Frameworks Impacting Biotechnology
- › 4.3 Examine Ethical Considerations in Biotechnology Research
- › 4.4 Discuss Case Studies of GMP Compliance in Biotechnology
- › 4.5 Evaluate the Role of Regulatory Agencies in Biotechnology
- › 4.6 Apply Ethical Decision-Making Frameworks in Biotech Scenarios

• **5 Unit 5 — Biotechnology Capstone Project — Lab and Report** — 6

classes

- › 5.1 Define the Objectives of Your Biotechnology Capstone Project
- › 5.2 Conduct a Literature Review Relevant to Your Research Topic
- › 5.3 Design an Experimental Methodology for Your Project
- › 5.4 Compile and Analyze Data Collected During Experiments
- › 5.5 Draft, Edit, and Format Your Capstone Project Report
- › 5.6 Present Findings and Receive Feedback on Your Capstone Project

• **1 Unit 1 — Machine Learning Models — Scikit-learn and Evaluation**

— 6 classes

- › 1.1 Understand Machine Learning Fundamentals and Scikit-learn Overview
- › 1.2 Explore Key Machine Learning Algorithms Available in Scikit-learn
- › 1.3 Implement Data Preprocessing Techniques with Scikit-learn
- › 1.4 Build Your First Machine Learning Model Using Scikit-learn
- › 1.5 Evaluate Model Performance Using Scikit-learn Metrics
- › 1.6 Optimize Model Hyperparameters with Scikit-learn's GridSearchCV

• **2 Unit 2 — Feature Engineering and Model Optimisation** — 6 classes

- › 2.1 Identify Key Features Through Exploratory Data Analysis
- › 2.2 Apply Data Transformation Techniques for Feature Scaling
- › 2.3 Engineer New Features from Existing Data for Better Insights
- › 2.4 Evaluate Feature Importance Using Statistical Methods
- › 2.5 Optimize Model Performance with Hyperparameter Tuning
- › 2.6 Implement Cross-Validation for Robust Model Evaluation

• **3 Unit 3 — Big Data Concepts — Hadoop, Spark, Cloud Basics** — 6

classes

- › 3.1 Explore the Fundamentals of Big Data and its Importance
- › 3.2 Define and Understand Hadoop Architecture and Ecosystem
- › 3.3 Analyze Data Processing with Apache Spark Framework
- › 3.4 Compare and Contrast Hadoop and Spark for Big Data Solutions
- › 3.5 Explain Cloud Computing Concepts and Services
- › 3.6 Implement a Simple Big Data Solution Using Cloud Platforms

• **4 Unit 4 — Data Pipeline — Ingestion, Processing and Serving** — 6

classes

- › 4.1 Understand Data Pipeline Fundamentals and Concepts
- › 4.2 Explore Data Ingestion Techniques and Tools
- › 4.3 Analyze Data Processing Methods and Frameworks
- › 4.4 Implement Data Transformation Best Practices
- › 4.5 Examine Data Serving Strategies for Efficient Access
- › 4.6 Create a Sample Data Pipeline Workflow from Ingestion to Serving

• **5 Unit 5 — Industry Data Science Capstone Project** — 6 classes

- › 5.1 Define the Scope and Objectives of Your Capstone Project
- › 5.2 Conduct a Literature Review on Industry Data Science Practices
- › 5.3 Select and Prepare Data Sources for Analysis
- › 5.4 Apply Data Analysis Techniques to Solve Industry Problems
- › 5.5 Develop a Comprehensive Project Report and Presentation
- › 5.6 Implement Feedback and Finalize Your Capstone Project

• 1 Unit 1 — Design for Social Impact — SDGs and Human Needs — 6 classes

- › 1.1 Explore the UN Sustainable Development Goals (SDGs) and Their Relevance
- › 1.2 Identify Human Needs Through Empathy Mapping
- › 1.3 Analyze Case Studies of Design for Social Impact
- › 1.4 Brainstorm Innovative Solutions to Address Social Issues
- › 1.5 Prototype and Test a Simple Design for Social Impact
- › 1.6 Present Solutions and Gather Peer Feedback for Improvement

• 2 Unit 2 — Systems Design and Service Blueprint — 6 classes

- › 2.1 Define Systems Design in the Context of Service Innovation
- › 2.2 Analyze Key Components of a Service Blueprint
- › 2.3 Map Out a Simple Service Experience Using a Blueprint
- › 2.4 Identify Stakeholders and Their Roles in Service Design
- › 2.5 Develop a Prototype of a Service Blueprint for a Real-world Scenario
- › 2.6 Evaluate and Iterate on Service Blueprint Designs Based on Feedback

• 3 Unit 3 — Business Model Canvas and Innovation Strategy — 6 classes

- › 3.1 Explore the Business Model Canvas Components
- › 3.2 Identify Key Value Propositions in Your Business
- › 3.3 Analyze Customer Segments and Their Needs
- › 3.4 Develop Effective Channels for Delivering Value
- › 3.5 Assess Revenue Streams and Cost Structures
- › 3.6 Create an Innovative Business Model Canvas Prototype

• 4 Unit 4 — Capstone Design Sprint — 5-Day Intensive — 6 classes

- › 4.1 Define the Problem Statement for Design Sprint
- › 4.2 Ideate Solutions Using Brainstorming Techniques
- › 4.3 Create Prototypes for Selected Ideas
- › 4.4 Conduct User Testing and Gather Feedback
- › 4.5 Analyze User Feedback to Refine Prototype
- › 4.6 Present Final Design Solutions and Iterate

• 5 Unit 5 — Design Innovation Capstone — Present to Stakeholders — 6 classes

- › 5.1 Identify Key Stakeholder Needs for Design Innovation
- › 5.2 Develop Compelling Narrative Techniques for Presentations
- › 5.3 Create Visual Storyboards to Enhance Design Proposals
- › 5.4 Practice Effective Communication Strategies in Presentations
- › 5.5 Gather and Incorporate Feedback from Stakeholders
- › 5.6 Deliver a Persuasive Presentation of Your Design Innovation

• 1 Unit 1 — Embedded Systems — RTOS, Memory and Communication Protocols — 6 classes

- › 1.1 Introduce Embedded Systems: Concepts and Importance
- › 1.2 Examine Real-Time Operating Systems (RTOS) Functions
- › 1.3 Analyze Memory Types and Architectures in Embedded Systems
- › 1.4 Explore Communication Protocols: Overview and Applications
- › 1.5 Compare Different RTOS for Embedded System Projects
- › 1.6 Design a Simple Embedded System using RTOS and Communication Protocols

• 2 Unit 2 — IoT Project — Full Stack (Sensor to Cloud) — 6 classes

- › 2.1 Identify IoT Ecosystem Components and Their Functions
- › 2.2 Explore Sensor Technologies and Their Applications
- › 2.3 Develop Embedded Systems for Data Acquisition
- › 2.4 Implement Communication Protocols for IoT Devices
- › 2.5 Integrate Cloud Services for Data Management and Analysis
- › 2.6 Design and Present a Complete IoT Project from Sensor to Cloud

• 3 Unit 3 — Industry-Linked Hardware Design — PCB and Enclosure — 6 classes

- › 3.1 Introduce PCB Design Software and Its Features
- › 3.2 Explore Circuit Design Principles for PCB Layout
- › 3.3 Analyze Component Placement Strategies for Optimal Performance
- › 3.4 Implement Routing Techniques for Effective Signal Integrity
- › 3.5 Examine Enclosure Design Considerations for Hardware Protection
- › 3.6 Develop a Prototype PCB and Enclosure for Real-World Application

• 4 Unit 4 — Product Testing, Certification and Safety Standards — 6 classes

- › 4.1 Understand Regulatory Frameworks for Product Testing
- › 4.2 Identify Safety Standards Relevant to Electronics
- › 4.3 Explore Various Product Testing Methods and Techniques
- › 4.4 Evaluate Compliance with International Certification Standards
- › 4.5 Analyze Case Studies of Product Failures Due to Safety Issues
- › 4.6 Develop a Product Testing Plan for New Electronics

• 5 Unit 5 — Electronics and IoT Capstone Project — 6 classes

- › 5.1 Identify and Define a Real-World Problem for IoT Implementation
- › 5.2 Research and Select Appropriate Electronics for Your Project
- › 5.3 Design a Comprehensive IoT System Architecture
- › 5.4 Develop a Prototype Using Hardware and Software Components
- › 5.5 Test and Debug Your IoT Prototype Effectively
- › 5.6 Present and Evaluate Your Capstone Project Findings

• 1 Unit 1 — Fashion Collection Development — Theme to Final Garments — 6 classes

- › 1.1 Explore Fashion Themes and Concepts
- › 1.2 Research Market Trends in Fashion
- › 1.3 Develop a Fashion Mood Board
- › 1.4 Create Design Sketches Based on the Theme
- › 1.5 Select Fabrics and Materials for a Collection
- › 1.6 Present a Mini Fashion Collection Prototype

• 2 Unit 2 — Fashion Portfolio — Sketches, Boards, Lookbook — 6 classes

- › 2.1 Analyze Fashion Sketch Techniques for Portfolio Development
- › 2.2 Create Visual Boards to Communicate Fashion Concepts
- › 2.3 Explore Color Theory and Its Application in Fashion Sketches
- › 2.4 Design a Thematic Lookbook Using Personal Aesthetic
- › 2.5 Develop a Cohesive Portfolio Using Sketches and Boards
- › 2.6 Present and Critique Fashion Portfolios for Peer Feedback

• 3 Unit 3 — Entrepreneurship in Fashion — Brand and Business Plan — 6 classes

- › 3.1 Define Brand Identity in Fashion
- › 3.2 Analyze Successful Fashion Brands
- › 3.3 Create Your Brand Story
- › 3.4 Outline Essential Elements of a Business Plan
- › 3.5 Develop Your Fashion Business Strategy
- › 3.6 Pitch Your Brand and Business Plan

• 4 Unit 4 — Fashion Industry — Supply Chain, Sustainability and Trends — 6 classes

- › 4.1 Analyze the Fashion Supply Chain: Components and Processes
- › 4.2 Assess the Impact of Sustainability on Fashion Production
- › 4.3 Explore Ethical Sourcing Practices in the Fashion Industry
- › 4.4 Investigate Current Trends in Sustainable Fashion
- › 4.5 Develop a Sustainable Fashion Business Model
- › 4.6 Create a Strategy for Implementing Sustainable Practices

• 5 Unit 5 — Fashion Graduation Show and Capstone Project — 6 classes

- › 5.1 Understand the Key Components of a Fashion Graduation Show
- › 5.2 Explore Effective Presentation Techniques for Fashion Projects
- › 5.3 Develop a Creative Concept for Your Capstone Project
- › 5.4 Construct a Timeline for Successful Show Preparation
- › 5.5 Design Visual Merchandising Elements for Your Graduation Show
- › 5.6 Execute a Peer Review Session for Capstone Project Feedback

• 1 Unit 1 — Portfolio Management — Asset Allocation and Risk — 6 classes

- › 1.1 Define and Differentiate Key Concepts in Portfolio Management
- › 1.2 Analyze the Importance of Asset Allocation in Investment Strategy
- › 1.3 Explore Different Asset Classes and Their Risk Profiles
- › 1.4 Assess the Impact of Market Conditions on Asset Allocation
- › 1.5 Construct a Basic Portfolio with Consideration of Risk Tolerance
- › 1.6 Evaluate Portfolio Performance and Rebalance for Optimal Risk

• 2 Unit 2 — Estate Planning — Wills, Trusts and Succession — 6 classes

- › 2.1 Define Key Terms in Estate Planning
- › 2.2 Explore the Importance of Wills in Asset Distribution
- › 2.3 Identify Types of Trusts and Their Purposes
- › 2.4 Analyze the Legal Framework Governing Succession
- › 2.5 Compare and Contrast Wills and Trusts in Estate Management
- › 2.6 Create a Basic Estate Plan Including Wills and Trusts

• 3 Unit 3 — Advanced Tax Planning and International Taxation Basics — 6 classes

- › 3.1 Understand Key Concepts of Tax Planning
- › 3.2 Explore International Taxation Frameworks
- › 3.3 Analyze Tax Avoidance vs. Tax Evasion
- › 3.4 Investigate Double Taxation Agreements (DTAs)
- › 3.5 Apply Tax Reduction Strategies for Individuals
- › 3.6 Evaluate the Impact of Globalization on Tax Policies

• 4 Unit 4 — Wealth Advisory — Client Profiling and Financial Plan — 6 classes

- › 4.1 Identify Key Components of Client Profiling
- › 4.2 Analyze Different Client Needs and Goals
- › 4.3 Develop Effective Communication Strategies for Client Engagement
- › 4.4 Create a Comprehensive Financial Plan Framework
- › 4.5 Evaluate Risk Tolerance and Investment Preferences
- › 4.6 Implement Personalized Wealth Strategies Based on Client Profiles

• 5 Unit 5 — Financial Planning Capstone — Client Case Study — 6 classes

- › 5.1 Analyze Client Financial Goals and Objectives
- › 5.2 Assess Current Financial Situation and Resources
- › 5.3 Develop a Customized Financial Plan Framework
- › 5.4 Implement Strategic Investment Options
- › 5.5 Evaluate Financial Plan Effectiveness and Adjustments
- › 5.6 Present Financial Strategies to Clients Professionally

• 1 Unit 1 — Advanced Patisserie — Chocolates, Sugar Work, Desserts — 6 classes

- › 1.1 Explore the Fundamentals of Chocolate Tempering Techniques
- › 1.2 Create Signature Chocolate Confections with Unique Flavors
- › 1.3 Master the Art of Sugar Work: Techniques and Tools
- › 1.4 Design Intricate Sugar Decorations for Visual Appeal
- › 1.5 Prepare Classic Desserts: Balancing Flavors and Textures
- › 1.6 Present an Exquisite Dessert Platter: Composition and Style

• 2 Unit 2 — Food Cost Management and Menu Engineering — 6 classes

- › 2.1 Analyze Cost Components in Food Production
- › 2.2 Evaluate Menu Pricing Strategies
- › 2.3 Apply Food Costing Techniques to Realistic Scenarios
- › 2.4 Design a Profit-Driven Menu Layout
- › 2.5 Assess the Impact of Menu Engineering on Consumer Choices
- › 2.6 Create a Comprehensive Menu Costing Spreadsheet

• 3 Unit 3 — Restaurant and Catering Operations — 6 classes

- › 3.1 Analyze Key Elements of Restaurant Operations
- › 3.2 Explore Catering Service Styles and Models
- › 3.3 Evaluate Menu Design and Pricing Strategies
- › 3.4 Implement Effective Staff Management Techniques
- › 3.5 Develop Customer Experience Enhancement Strategies
- › 3.6 Create a Comprehensive Restaurant Operations Plan

• 4 Unit 4 — Food Safety Certification — FSSAI and HACCP Advanced — 6 classes

- › 4.1 Understand the Fundamentals of Food Safety Regulations
- › 4.2 Explore FSSAI: Roles, Responsibilities, and Mandates
- › 4.3 Analyze the HACCP Principles and Their Application
- › 4.4 Identify Common Food Safety Hazards and Critical Control Points
- › 4.5 Develop a HACCP Plan for a Food Business
- › 4.6 Evaluate Compliance and Best Practices for FSSAI Certification

• 5 Unit 5 — Culinary Capstone — Create, Cook and Present — 6 classes

- › 5.1 Brainstorm and Design a Unique Culinary Concept
- › 5.2 Research and Select Ingredients for Your Dish
- › 5.3 Develop a Step-by-Step Cooking Plan
- › 5.4 Execute Cooking Techniques to Prepare Your Dish
- › 5.5 Plate and Present Your Culinary Creation Artfully
- › 5.6 Evaluate and Reflect on Your Culinary Experience

• 1 Unit 1 — Front Office Capstone — Full Hotel Operations Simulation — 6 classes

- › 1.1 Analyze Hotel Operations Scenarios
- › 1.2 Identify Key Roles in Front Office Management
- › 1.3 Develop Customer Service Strategies for a Hotel
- › 1.4 Implement Booking Systems and Procedures
- › 1.5 Simulate Conflict Resolution in Guest Relations
- › 1.6 Evaluate Hotel Performance Metrics and Reporting

• 2 Unit 2 — Revenue Optimisation — OTA, Rate Parity and Strategy — 6 classes

- › 2.1 Understand the Role of OTAs in Revenue Generation
- › 2.2 Explore Rate Parity and Its Importance in Pricing Strategy
- › 2.3 Analyze Competitive Pricing Strategies for Revenue Optimization
- › 2.4 Evaluate the Impact of Dynamic Pricing on Revenue Management
- › 2.5 Develop a Comprehensive Revenue Management Strategy
- › 2.6 Implement Real-World Scenarios for Rate Parity Enforcement

• 3 Unit 3 — Hospitality Leadership and HR Management — 6 classes

- › 3.1 Explore Leadership Styles in Hospitality Management
- › 3.2 Analyze the Role of Emotional Intelligence in Leadership
- › 3.3 Identify Key HR Management Practices in the Hospitality Industry
- › 3.4 Develop Effective Communication Strategies for Team Management
- › 3.5 Implement Conflict Resolution Techniques in Hospitality Settings
- › 3.6 Design a Leadership Development Plan for Hospitality Teams

• 4 Unit 4 — Industry Readiness — Internship Preparation — 6 classes

- › 4.1 Identify Key Skills Required for Front Office Roles
- › 4.2 Develop a Professional CV Tailored to Hospitality
- › 4.3 Master Effective Interview Techniques for Internships
- › 4.4 Explore Dress Code and Professional Etiquette Standards
- › 4.5 Network with Industry Professionals and Peers
- › 4.6 Create a Personal Development Plan for Internship Success

• 5 Unit 5 — Hospitality Industry Project and Exit Assessment — 6 classes

- › 5.1 Analyze Industry Trends Impacting Front Office Operations
- › 5.2 Design a Comprehensive Front Office Strategy for a Hospitality Project
- › 5.3 Implement Customer Service Protocols to Enhance Guest Experience
- › 5.4 Evaluate Technology Solutions for Efficient Front Office Management
- › 5.5 Collaborate on a Group Project to Simulate Real-World Front Office Challenges
- › 5.6 Present and Assess Project Outcomes for Continuous Improvement in Front Office Operations

• 1 Unit 1 — QGIS Advanced — Raster, Vector and Spatial Analysis —

6 classes

- › 1.1 Explore Raster Data Types and Formats in QGIS
- › 1.2 Analyze Vector Data Attributes and Geometry in QGIS
- › 1.3 Perform Basic Spatial Analysis: Buffers and Overlays
- › 1.4 Implement Raster Calculations for Hydrological Modeling
- › 1.5 Visualize and Interpret Spatial Relationships with QGIS
- › 1.6 Create and Present a Comprehensive Spatial Analysis Project

• 2 Unit 2 — Drone Mapping Basics — UAV Photogrammetry —

6 classes

- › 2.1 Define UAV and its Role in Drone Mapping
- › 2.2 Explore the Principles of Photogrammetry
- › 2.3 Identify Different Types of Drone Sensors and Cameras
- › 2.4 Understand Data Collection Techniques for UAV Mapping
- › 2.5 Analyze Common Software Tools for Processing UAV Images
- › 2.6 Apply Drone Mapping Techniques in Real-World Scenarios

• 3 Unit 3 — Geospatial Data Applications — Urban Planning, Agriculture —

6 classes

- › 3.1 Analyze Geospatial Data for Urban Planning
- › 3.2 Evaluate Geospatial Technology Tools for Agricultural Applications
- › 3.3 Assess the Impact of Urbanization Using Spatial Analysis
- › 3.4 Integrate Remote Sensing Data into Urban Planning Strategies
- › 3.5 Develop Sustainable Agricultural Practices through Geospatial Insight
- › 3.6 Create Interactive Maps for Communicating Urban and Agricultural Data

• 4 Unit 4 — Remote Sensing for Disaster Management and Climate

— 6 classes

- › 4.1 Explore the Principles of Remote Sensing for Disaster Management
- › 4.2 Analyze Remote Sensing Technologies Used in Climate Monitoring
- › 4.3 Identify Key Disasters Addressed by Remote Sensing Techniques
- › 4.4 Evaluate Case Studies of Remote Sensing in Disaster Response
- › 4.5 Develop a Remote Sensing Action Plan for Climate Adaptation
- › 4.6 Apply Remote Sensing Data to Real-World Disaster Scenarios

• 5 Unit 5 — Geospatial Capstone Project — Map and Analyse —

6 classes

- › 5.1 Identify Key Components of Geospatial Capstone Projects
- › 5.2 Explore GIS Tools for Effective Mapping
- › 5.3 Collect and Organize Geospatial Data for Analysis
- › 5.4 Analyze Geospatial Data Using Statistical Methods
- › 5.5 Create a Comprehensive Map Presentation
- › 5.6 Evaluate and Reflect on Project Outcomes and Improvements

• 1 Unit 1 — 3D Animation Production — Rigging, Lighting, Rendering —

6 classes

- › 1.1 Understand the Fundamentals of Rigging in 3D Animation
- › 1.2 Create a Basic Rig for Character Animation
- › 1.3 Explore Advanced Rigging Techniques for Complex Models
- › 1.4 Discover the Principles of Lighting in 3D Environments
- › 1.5 Implement Lighting Techniques to Enhance Scene Aesthetics
- › 1.6 Render a 3D Animation Project with Optimal Settings

• 2 Unit 2 — VFX Compositing — Green Screen and Motion Tracking —

6 classes

- › 2.1 Understand the Basics of Green Screen Technology
- › 2.2 Explore Key Concepts in Motion Tracking
- › 2.3 Set Up a Green Screen Environment for VFX
- › 2.4 Apply Green Screen Techniques in Composition
- › 2.5 Implement Motion Tracking in Animated Scenes
- › 2.6 Create a Final VFX Project Using Green Screen and Motion Tracking

• 3 Unit 3 — Motion Graphics — Advanced After Effects —

6 classes

- › 3.1 Explore Advanced Animation Techniques in After Effects
- › 3.2 Create Dynamic Motion Graphics Using Keyframes
- › 3.3 Integrate 3D Elements into Motion Graphics Projects
- › 3.4 Utilize Masks and Mattes for Creative Visual Effects
- › 3.5 Implement Sound Design to Enhance Motion Graphics
- › 3.6 Present and Critique Motion Graphics Projects for Feedback

• 4 Unit 4 — Animation Portfolio — Short Film or Product Ad —

6 classes

- › 4.1 Analyze Successful Animation Portfolios
- › 4.2 Define Key Elements of Short Film and Product Ad Creation
- › 4.3 Brainstorm Concepts for Your Animation Project
- › 4.4 Develop Storyboards for Visual Storytelling
- › 4.5 Create Character Designs & Animation Assets
- › 4.6 Showcase and Present Your Completed Animation Portfolio

• 5 Unit 5 — Animation Industry Capstone — Complete Project —

6 classes

- › 5.1 Define Project Scope and Objectives for Animation
- › 5.2 Conduct Market Research for Target Audience Analysis
- › 5.3 Develop Storyboard and Visual Concepts for Animation
- › 5.4 Utilize Animation Software Tools for Project Execution
- › 5.5 Implement Feedback and Revisions in Animation Production
- › 5.6 Present and Evaluate the Final Animation Project

• 1 Unit 1 — Clinical Internship Preparation — Skills and Protocols —

6 classes

- › 1.1 Understand Clinical Internship Objectives and Expectations
- › 1.2 Identify Key Skills Required for Clinical Practice
- › 1.3 Explore Professional Protocols in Healthcare Settings
- › 1.4 Demonstrate Effective Communication Skills with Patients
- › 1.5 Apply Infection Control Measures in Clinical Environments
- › 1.6 Develop a Personal Action Plan for Clinical Internship Success

• 2 Unit 2 — Advanced Diagnostics — Lab Tests and Interpretation —

6 classes

- › 2.1 Identify Key Lab Tests and Their Purposes
- › 2.2 Examine Procedures for Collecting and Handling Samples
- › 2.3 Analyze Interpretation of Common Lab Results
- › 2.4 Compare Diagnostic Techniques for Accuracy and Relevance
- › 2.5 Evaluate Clinical Decision-Making Based on Test Outcomes
- › 2.6 Implement Case Studies to Practice Lab Test Interpretation

• 3 Unit 3 — Public Health and Epidemiology Basics — 6 classes

- › 3.1 Define Key Concepts in Public Health
- › 3.2 Explore Basic Principles of Epidemiology
- › 3.3 Identify Common Public Health Issues and Challenges
- › 3.4 Analyze the Role of Data in Public Health Decision Making
- › 3.5 Discuss Strategies for Disease Prevention and Health Promotion
- › 3.6 Evaluate Case Studies in Public Health Interventions

• 4 Unit 4 — Healthcare Administration and Policy — 6 classes

- › 4.1 Analyze the Role of Healthcare Administrators in Policy Implementation
- › 4.2 Evaluate Current Healthcare Policies and Their Impact on Patient Care
- › 4.3 Identify Key Stakeholders in Healthcare Administration and Their Responsibilities
- › 4.4 Develop Strategies for Effective Communication in Healthcare Policy Advocacy
- › 4.5 Create a Case Study on a Successful Healthcare Policy Initiative
- › 4.6 Formulate Recommendations for Policy Improvement Based on Current Healthcare Challenges

• 5 Unit 5 — Healthcare Capstone — Case Study and Placement Prep — 6 classes

- › 5.1 Analyze Case Study Frameworks in Healthcare
- › 5.2 Identify Key Stakeholders in Healthcare Placements
- › 5.3 Develop Effective Communication Strategies for Case Presentations
- › 5.4 Evaluate Ethical Considerations in Healthcare Case Studies
- › 5.5 Create a Personal Placement Plan Tailored to Career Goals
- › 5.6 Reflect on Learning Outcomes from Case Study Applications

• 1 Unit 1 — Applied Nutrition — Therapeutic Diets and Clinical Cases — 6 classes

- › 1.1 Explore the Basics of Therapeutic Diets
- › 1.2 Identify Nutritional Needs in Clinical Cases
- › 1.3 Analyze Common Medical Conditions and Their Dietary Requirements
- › 1.4 Develop Customized Therapeutic Meal Plans
- › 1.5 Evaluate the Impact of Therapeutic Diets on Patient Recovery
- › 1.6 Apply Case Studies to Design Adaptive Nutrition Interventions

• 2 Unit 2 — Fashion and Textiles Project — Design and Construct —

6 classes

- › 2.1 Identify Key Fashion Design Concepts and Trends
- › 2.2 Explore Textiles Selection for Diverse Applications
- › 2.3 Develop a Fashion Design Brief for a Target Audience
- › 2.4 Create Initial Design Sketches and Mood Boards
- › 2.5 Construct a Prototype Using Selected Materials
- › 2.6 Evaluate and Present the Fashion Project Outcomes

• 3 Unit 3 — Consumer Studies — Market Research and Policy — 6

classes

- › 3.1 Analyze Consumer Behavior Trends in Market Research
- › 3.2 Evaluate the Methods of Conducting Market Research
- › 3.3 Identify Key Factors Influencing Consumer Decision-Making
- › 3.4 Assess the Role of Policies in Consumer Protection
- › 3.5 Design a Simple Market Research Survey
- › 3.6 Interpret Market Research Data to Inform Consumer Policies

• 4 Unit 4 — Child Development and Nursery School Management —

6 classes

- › 4.1 Explore Theories of Child Development
- › 4.2 Identify Milestones in Early Childhood Growth
- › 4.3 Assess the Role of Play in Learning
- › 4.4 Develop Effective Curriculum Strategies for Nursery Schools
- › 4.5 Implement Classroom Management Techniques for Young Learners
- › 4.6 Evaluate Practices for Engaging Parents in Early Education

• 5 Unit 5 — Home Science Capstone Project and Viva — 6 classes

- › 5.1 Define Key Objectives for Your Capstone Project
- › 5.2 Conduct a Literature Review Relevant to Your Project Topic
- › 5.3 Design an Effective Research Methodology
- › 5.4 Develop a Comprehensive Project Proposal
- › 5.5 Prepare for the Viva: Anticipate Questions and Concerns
- › 5.6 Present Your Capstone Project: Tips for Effective Communication

• 1 Unit 1 — Commercial Horticulture — Greenhouse and Polyhouse Farming — 6 classes

- › 1.1 Explore the Fundamentals of Greenhouse Design
- › 1.2 Analyze the Benefits of Polyhouse Farming
- › 1.3 Identify Key Environmental Controls in Greenhouses
- › 1.4 Implement Effective Irrigation Techniques for Polyhouses
- › 1.5 Evaluate Crop Selection for Commercial Greenhouse Operations
- › 1.6 Develop a Business Plan for a Greenhouse Farming Venture

• 2 Unit 2 — Floriculture for Export and Event Industry — 6 classes

- › 2.1 Explore Global Trends in Floriculture for Export
- › 2.2 Identify Key Flower Varieties for Export Markets
- › 2.3 Analyze the Impact of Climate on Floriculture Production
- › 2.4 Develop Sustainable Practices in Floriculture for Export
- › 2.5 Design Floral Arrangements for Events and Exports
- › 2.6 Implement Marketing Strategies for Export-Ready Floriculture

• 3 Unit 3 — Landscape Architecture — Design and Execution — 6 classes

- › 3.1 Identify Key Principles of Landscape Design
- › 3.2 Analyze Historical Influences on Landscape Architecture
- › 3.3 Explore Sustainable Practices in Landscape Projects
- › 3.4 Develop Site Analysis Skills for Landscape Planning
- › 3.5 Create Conceptual Designs using Design Software
- › 3.6 Evaluate Execution Techniques for Landscape Implementation

• 4 Unit 4 — Agri-Business Development — Marketing and Finance — 6 classes

- › 4.1 Identify Key Market Trends in Horticulture
- › 4.2 Analyze Customer Segments for Agri-Business
- › 4.3 Develop an Effective Marketing Strategy for Horticultural Products
- › 4.4 Explore Financial Management Practices in Agri-Business
- › 4.5 Evaluate Funding Opportunities for Horticulture Projects
- › 4.6 Create a Business Plan for a Sustainable Agri-Business Venture

• 5 Unit 5 — Horticulture Capstone — Farm Plan and Presentation — 6 classes

- › 5.1 Analyze Key Components of an Effective Farm Plan
- › 5.2 Identify Sustainable Practices for Horticultural Production
- › 5.3 Develop a Crop Selection Strategy Based on Market Demand
- › 5.4 Create a Budget and Financial Plan for Horticultural Operations
- › 5.5 Design Visual Presentation Tools for Farm Plan Communication
- › 5.6 Present and Critique Peer Farm Plans for Collaborative Learning

• 1 Unit 1 — Hospital Quality Systems — NABH, JCI Accreditation — 6 classes

- › 1.1 Evaluate Key Principles of NABH Accreditation
- › 1.2 Analyze JCI Standards for Hospital Accreditation
- › 1.3 Compare NABH and JCI Accreditation Processes
- › 1.4 Identify Components of Quality Management Systems in Hospitals
- › 1.5 Develop a Quality Improvement Plan for Accreditation Readiness
- › 1.6 Implement Best Practices for Maintaining Accreditation Standards

• 2 Unit 2 — Healthcare Project Management — Planning and Execution — 6 classes

- › 2.1 Analyze Healthcare Project Goals and Objectives
- › 2.2 Develop a Comprehensive Project Plan Framework
- › 2.3 Identify Key Stakeholders and Define Roles
- › 2.4 Establish a Timeline and Milestones for Execution
- › 2.5 Implement Risk Management Strategies in Projects
- › 2.6 Evaluate Project Outcomes and Measure Success

• 3 Unit 3 — Health Information Management — Electronic Health Records — 6 classes

- › 3.1 Define Electronic Health Records and Their Importance in Healthcare
- › 3.2 Analyze the Key Components of an Electronic Health Record System
- › 3.3 Explore Data Security and Privacy Regulations in Health Information Management
- › 3.4 Compare Traditional Medical Records with Electronic Health Records
- › 3.5 Assess the Challenges in Implementing Electronic Health Records in Clinical Settings
- › 3.6 Create a Plan for Transitioning from Paper to Electronic Health Records

• 4 Unit 4 — Medico-Legal Issues and Insurance in Hospitals — 6 classes

- › 4.1 Identify Key Medico-Legal Concepts in Healthcare
- › 4.2 Analyze Common Legal Issues Faced by Hospitals
- › 4.3 Discuss Patient Rights and Hospital Responsibilities
- › 4.4 Explore the Role of Informed Consent in Medical Practice
- › 4.5 Evaluate the Impact of Medical Malpractice on Healthcare Institutions
- › 4.6 Apply Insurance Principles to Mitigate Legal Risks in Hospitals

• 5 Unit 5 — Hospital Administration Capstone Project — 6 classes

- › 5.1 Identify Key Components of Effective Hospital Administration
- › 5.2 Analyze Case Studies in Hospital Management Success
- › 5.3 Develop a Strategic Plan for Hospital Operations
- › 5.4 Implement Quality Assurance Protocols in Clinical Settings
- › 5.5 Evaluate Financial Management Practices in Healthcare
- › 5.6 Present and Defend a Comprehensive Hospital Strategy Proposal

• **1 Unit 1 — Rights Advocacy — RTI, PIL and Grassroots Movements**

— 6 classes

- › 1.1 Explore the Concept of Rights Advocacy
- › 1.2 Understand the Mechanisms of the Right to Information (RTI)
- › 1.3 Analyze Public Interest Litigation (PIL) as a Tool for Justice
- › 1.4 Examine Historical Grassroots Movements for Human Rights
- › 1.5 Develop Skills for Effective Advocacy Campaigns
- › 1.6 Implement Strategies for Grassroots Mobilization

• **2 Unit 2 — Social Research Methods — Surveys, Interviews, FGDs**

— 6 classes

- › 2.1 Explore the Fundamentals of Social Research Methods
- › 2.2 Identify Key Types of Surveys in Human Rights Research
- › 2.3 Design Effective Interview Questions for Qualitative Insights
- › 2.4 Conduct Mock Interviews to Practice Data Collection Skills
- › 2.5 Facilitate Focus Group Discussions for Diverse Perspectives
- › 2.6 Analyze and Interpret Data from Surveys and Interviews

• **3 Unit 3 — Gender Policy Analysis — National and International** — 6

classes

- › 3.1 Identify Key Gender Policies at National and International Levels
- › 3.2 Analyze the Impact of Gender Policies on Human Rights Frameworks
- › 3.3 Compare Gender Policy Approaches in Different Countries
- › 3.4 Evaluate the Role of International Organizations in Gender Policy
- › 3.5 Assess Case Studies of Gender Policy Implementation
- › 3.6 Propose Recommendations for Improving Gender Policy Effectiveness

• **4 Unit 4 — Media and Human Rights — Documentation and Reporting** — 6 classes

- › 4.1 Examine the Role of Media in Promoting Human Rights
- › 4.2 Analyze Different Forms of Media Documentation for Human Rights Issues
- › 4.3 Identify Ethical Considerations in Reporting Human Rights Violations
- › 4.4 Practice Crafting Clear and Impactful Human Rights Reports
- › 4.5 Evaluate Case Studies of Media Reporting on Human Rights
- › 4.6 Develop a Strategic Plan for Effective Advocacy through Media

• **5 Unit 5 — Human Rights Capstone — Research and Action Plan** —

6 classes

- › 5.1 Analyze Key Human Rights Frameworks Relevant to Gender Studies
- › 5.2 Identify Current Human Rights Issues Affecting Gender Equity
- › 5.3 Design a Research Proposal Addressing a Gender-Related Human Rights Concern
- › 5.4 Develop an Action Plan to Advocate for Gender-based Human Rights
- › 5.5 Collaborate with Peers to Review and Refine Your Research and Action Plan
- › 5.6 Present and Share Your Findings and Action Plan with the Class

• **1 Unit 1 — Full-Stack IT Project — Plan, Design and Build** — 6

classes

- › 1.1 Define Project Objectives and Scope for Full-Stack IT Development
- › 1.2 Conduct Stakeholder Analysis and Gather Requirements
- › 1.3 Design UI/UX Prototypes for User-Centric Applications
- › 1.4 Select Appropriate Technologies for Frontend and Backend Development
- › 1.5 Create a Project Timeline and Resource Allocation Plan
- › 1.6 Build a Prototyped Application and Prepare for User Testing

• **2 Unit 2 — Advanced Cybersecurity — Pen Testing, SOC Basics** — 6

classes

- › 2.1 Understand Vulnerability Assessment Techniques
- › 2.2 Explore Penetration Testing Methodologies
- › 2.3 Analyze Common Pen Testing Tools and Software
- › 2.4 Identify the Role of a Security Operations Center (SOC)
- › 2.5 Examine Incident Response Strategies in Cybersecurity
- › 2.6 Apply Learning: Simulate a Basic Pen Test Scenario

• **3 Unit 3 — Cloud Computing Fundamentals — AWS/Azure/GCP** — 6

classes

- › 3.1 Define Cloud Computing and Its Importance in IT
- › 3.2 Explore Key Service Models: IaaS, PaaS, and SaaS
- › 3.3 Compare Major Cloud Service Providers: AWS, Azure, and GCP
- › 3.4 Identify Deployment Models: Public, Private, and Hybrid Clouds
- › 3.5 Analyze Security Considerations in Cloud Computing
- › 3.6 Implement a Simple Application Deployment on AWS/Azure/GCP

• **4 Unit 4 — DevOps Basics — CI/CD, Git, Docker Introduction** — 6

classes

- › 4.1 Explain the Concept of DevOps and Its Importance
- › 4.2 Identify Key Components of Continuous Integration (CI)
- › 4.3 Describe Continuous Deployment (CD) and its Workflow
- › 4.4 Demonstrate Basic Git Commands for Version Control
- › 4.5 Introduce Docker and Its Role in DevOps Processes
- › 4.6 Create a Simple Docker Container for Application Deployment

• **5 Unit 5 — IT Industry Capstone — Deploy and Document Project** —

6 classes

- › 5.1 Define Project Deployment Strategies for IT Solutions
- › 5.2 Identify Key Documentation Practices in IT Project Management
- › 5.3 Create a Deployment Plan for Real-world Application
- › 5.4 Develop Comprehensive Project Documentation Templates
- › 5.5 Simulate a Project Deployment Scenario and Analyze Outcomes
- › 5.6 Present and Evaluate Project Documentation and Deployment Strategies

• 1 Unit 1 — Risk Modelling and Actuarial Concepts — 6 classes

- › 1.1 Define and Explore Key Risk Concepts
- › 1.2 Analyze Different Types of Risks in Insurance
- › 1.3 Introduce Fundamental Actuarial Principles
- › 1.4 Apply Risk Modelling Techniques to Real-World Scenarios
- › 1.5 Evaluate the Impact of Uncertainty on Insurance Pricing
- › 1.6 Develop a Risk Assessment Model for Case Studies

• 2 Unit 2 — Insurance Industry Internship Preparation — 6 classes

- › 2.1 Understand the Role of Internships in Insurance Careers
- › 2.2 Identify Key Skills Required for the Insurance Industry
- › 2.3 Research Potential Internship Opportunities in Insurance
- › 2.4 Craft a Compelling CV and Cover Letter for Insurance Roles
- › 2.5 Prepare for Common Interview Questions in the Insurance Sector
- › 2.6 Develop a Personal Action Plan for Securing an Internship

• 3 Unit 3 — Claims Automation and Insurtech Trends — 6 classes

- › 3.1 Understand Key Concepts of Claims Automation
- › 3.2 Explore Insurtech Innovations in Claims Processing
- › 3.3 Analyze the Impact of AI on Claims Management
- › 3.4 Evaluate Case Studies in Successful Claims Automation
- › 3.5 Identify Challenges and Risks in Implementing Insurtech Solutions
- › 3.6 Develop a Strategic Plan for Adopting Claims Automation Technologies

• 4 Unit 4 — Reinsurance and Global Insurance Markets — 6 classes

- › 4.1 Explore the Fundamentals of Reinsurance
- › 4.2 Analyze Different Types of Reinsurance Structures
- › 4.3 Examine the Role of Reinsurance in Risk Management
- › 4.4 Investigate Global Insurance Market Trends
- › 4.5 Assess Regulatory Impacts on Reinsurance Practices
- › 4.6 Apply Reinsurance Strategies to Case Studies

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

- › 5.1 Identify Key Components of an Insurance and Risk Management Project
- › 5.2 Analyze Case Studies in Insurance Practices and Risk Mitigation
- › 5.3 Develop a Risk Assessment Framework for Real-Life Scenarios
- › 5.4 Create a Comprehensive Insurance Policy Proposal
- › 5.5 Present Risk Management Strategies to Stakeholders Effectively
- › 5.6 Evaluate the Success of Insurance Projects Using Performance Metrics

• 1 Unit 1 — Enterprise IT Support — Helpdesk to L3 Escalation — 6 classes

- › 1.1 Identify Key Components of IT Helpdesk Systems
- › 1.2 Analyze Common IT Support Ticket Scenarios
- › 1.3 Explore Best Practices for Effective User Communication
- › 1.4 Evaluate Tools and Technologies for Helpdesk Operations
- › 1.5 Implement Troubleshooting Techniques for Level 1 Support
- › 1.6 Design an Escalation Process for L2 and L3 Support

• 2 Unit 2 — Network Administration — Routing, Switching, VLAN — 6 classes

- › 2.1 Understand Routing Protocols and Their Applications
- › 2.2 Explore Switching Mechanisms in Network Design
- › 2.3 Implement Basic VLAN Configuration in Network Environments
- › 2.4 Analyze the Impact of VLANs on Network Performance
- › 2.5 Troubleshoot Common Routing and Switching Issues
- › 2.6 Integrate VLANs and Routing for Efficient Network Management

• 3 Unit 3 — Cloud Services — IaaS, PaaS, SaaS Administration — 6 classes

- › 3.1 Explore IaaS: Understanding Infrastructure as a Service
- › 3.2 Configure Virtual Machines: Hands-On with IaaS Platforms
- › 3.3 Discover PaaS: Leveraging Platform as a Service for Development
- › 3.4 Deploy Applications: Practical Application of PaaS Solutions
- › 3.5 Unpack SaaS: An Overview of Software as a Service
- › 3.6 Evaluate Cloud Services: Comparing IaaS, PaaS, and SaaS for Business Needs

• 4 Unit 4 — IT Security Operations and Compliance (ISO 27001) — 6 classes

- › 4.1 Understand ISO 27001 Framework and Principles
- › 4.2 Identify Key Components of IT Security Operations
- › 4.3 Assess Compliance Requirements for ISO 27001
- › 4.4 Implement Risk Assessment Techniques in IT Security
- › 4.5 Develop an IT Security Policy and Strategy
- › 4.6 Evaluate and Audit IT Security Compliance Effectiveness

• 5 Unit 5 — IT Maintenance Capstone — Enterprise Network Setup — 6 classes

- › 5.1 Analyze Enterprise Network Requirements
- › 5.2 Design Scalable Network Architectures
- › 5.3 Configure Network Devices for Optimal Performance
- › 5.4 Implement Security Protocols in Network Setup
- › 5.5 Test and Troubleshoot Network Connectivity Issues
- › 5.6 Document and Present the Network Setup Process

• **1 Unit 1 — Moot Court — Argument, Evidence and Procedure** — 6 classes

- › 1.1 Introduce Moot Court: Understanding the Basics of Argumentation
- › 1.2 Identify Types of Evidence: From Testimonial to Physical
- › 1.3 Analyze Court Procedure: Steps and Protocols in Moot Litigation
- › 1.4 Construct Persuasive Arguments: Techniques for Effective Advocacy
- › 1.5 Evaluate Evidence: Assessing Relevance and Reliability in Arguments
- › 1.6 Simulate a Moot Court: Role-Playing and Applying Learned Concepts

• **2 Unit 2 — Legal Drafting — Contracts, Affidavits, Plaints** — 6 classes

- › 2.1 Understand the Essentials of Legal Contracts
- › 2.2 Analyze Key Elements of an Affidavit
- › 2.3 Identify Common Types of Legal Plaint
- › 2.4 Draft a Simple Legal Contract
- › 2.5 Structure a Comprehensive Affidavit
- › 2.6 Create a Legal Plaint for a Hypothetical Case

• **3 Unit 3 — Intellectual Property Law — Patents, Copyright, Trademarks** — 6 classes

- › 3.1 Define and Differentiate Between Patents, Copyrights, and Trademarks
- › 3.2 Explore the Process of Obtaining a Patent
- › 3.3 Analyze Copyright Protection for Creative Works
- › 3.4 Examine the Role of Trademarks in Branding and Consumer Protection
- › 3.5 Discuss Infringement and Enforcement of Intellectual Property Rights
- › 3.6 Apply Intellectual Property Concepts to Real-World Case Studies

• **4 Unit 4 — Corporate Law — Companies Act and Compliance** — 6 classes

- › 4.1 Analyze the Key Provisions of the Companies Act
- › 4.2 Explore Types of Companies and Their Characteristics
- › 4.3 Identify the Roles and Responsibilities of Corporate Directors
- › 4.4 Assess Compliance Requirements for Company Registration
- › 4.5 Examine Corporate Governance and Best Practices
- › 4.6 Apply Compliance Strategies for Corporate Regulations

• **5 Unit 5 — Legal Studies Capstone — Research Memo and Presentation** — 6 classes

- › 5.1 Identify Key Components of a Research Memo
- › 5.2 Develop Research Questions and Hypotheses
- › 5.3 Conduct Effective Legal Research Strategies
- › 5.4 Analyze and Synthesize Legal Information
- › 5.5 Draft a Cohesive Research Memo
- › 5.6 Prepare and Deliver an Engaging Presentation

• **1 Unit 1 — Digital Library Management — DSpace, Koha, e-Resources** — 6 classes

- › 1.1 Explore DSpace Architecture and Features
- › 1.2 Implementing DSpace for Digital Collection Management
- › 1.3 Navigating the Koha Library Management System
- › 1.4 Configuring Koha for Efficient Library Operations
- › 1.5 Understanding and Accessing e-Resources in Library Services
- › 1.6 Integrating DSpace and Koha for Comprehensive Library Solutions

• **2 Unit 2 — Metadata Standards — Dublin Core, MARC21, RDA** — 6 classes

- › 2.1 Define and Explore Dublin Core Metadata Elements
- › 2.2 Compare and Contrast Dublin Core and MARC21 Standards
- › 2.3 Analyze the Role of RDA in Modern Cataloging Practices
- › 2.4 Apply Dublin Core to Describe Digital Resources
- › 2.5 Demonstrate MARC21 Record Creation for Library Catalogs
- › 2.6 Evaluate the Impact of RDA on Metadata Standards Implementation

• **3 Unit 3 — Knowledge Management Systems and Institutional Repositories** — 6 classes

- › 3.1 Define and Differentiate Knowledge Management Systems
- › 3.2 Identify Key Components of Institutional Repositories
- › 3.3 Explore Technologies Supporting Knowledge Management
- › 3.4 Assess the Role of Metadata in Institutional Repositories
- › 3.5 Evaluate the Benefits of Knowledge Management in Library Services
- › 3.6 Develop a Basic Implementation Plan for an Institutional Repository

• **4 Unit 4 — Information Literacy — Teaching Research Skills** — 6 classes

- › 4.1 Understanding Information Literacy and Its Importance
- › 4.2 Identifying Credible Sources for Research
- › 4.3 Developing Effective Research Questions
- › 4.4 Utilizing Digital Tools for Information Gathering
- › 4.5 Evaluating and Synthesizing Research Findings
- › 4.6 Presenting Research Results and Academic Integrity

• **5 Unit 5 — Library and Information Science Capstone Project** — 6 classes

- › 5.1 Define the Capstone Project in Library and Information Science
- › 5.2 Identify Key Components of a Successful Capstone Project
- › 5.3 Develop a Project Proposal for Library and Information Science
- › 5.4 Conduct a Literature Review Relevant to Your Capstone Project
- › 5.5 Implement Methodologies in Your Capstone Research
- › 5.6 Present Findings and Reflect on Learning Outcomes from the Capstone Project

• 1 Unit 1 — Supply Chain Project — End-to-End Design and Optimisation — 6 classes

- › 1.1 Define Supply Chain Components and Their Interconnections
- › 1.2 Identify Key Stakeholders in Supply Chain Projects
- › 1.3 Map the End-to-End Supply Chain Process
- › 1.4 Analyze Current Supply Chain Performance Metrics
- › 1.5 Explore Strategies for Supply Chain Optimization
- › 1.6 Develop a Comprehensive Supply Chain Improvement Plan

• 2 Unit 2 — ERP Systems — SAP MM, Inventory and Procurement Basics — 6 classes

- › 2.1 Define ERP Systems and Their Role in Logistics
- › 2.2 Explore SAP MM Module Features and Functions
- › 2.3 Understand Inventory Management Principles in SAP
- › 2.4 Identify Procurement Processes and Their Importance
- › 2.5 Demonstrate Basic SAP MM Transactions for Inventory
- › 2.6 Apply SAP MM Knowledge to a Real-world Procurement Scenario

• 3 Unit 3 — Logistics Technology — Track and Trace, Last Mile — 6 classes

- › 3.1 Explore Track and Trace Technologies in Logistics
- › 3.2 Analyze the Importance of Real-time Data in Supply Chain Management
- › 3.3 Evaluate Different Last Mile Delivery Methods
- › 3.4 Implement Solutions for Enhancing Last Mile Efficiency
- › 3.5 Assess the Role of Technology in Improving Delivery Accuracy
- › 3.6 Design a Track and Trace System for a Real-world Scenario

• 4 Unit 4 — Green Supply Chain and Sustainability Practices — 6 classes

- › 4.1 Understand the Concept of Green Supply Chain Management
- › 4.2 Identify Key Components of Sustainable Logistics Practices
- › 4.3 Assess Environmental Impact in Supply Chain Operations
- › 4.4 Explore Innovations in Green Technologies for Supply Chains
- › 4.5 Analyze Case Studies of Successful Sustainable Supply Chains
- › 4.6 Develop a Plan for Implementing Sustainable Practices in Logistics

• 5 Unit 5 — Supply Chain Capstone — Industry Partner Project — 6 classes

- › 5.1 Identify Key Supply Chain Challenges in Industry
- › 5.2 Analyze Case Studies of Successful Supply Chain Partnerships
- › 5.3 Develop a Project Proposal for Supply Chain Improvement
- › 5.4 Collaborate with Industry Partners to Define Project Scope
- › 5.5 Implement Project Strategies and Monitor Progress
- › 5.6 Present Findings and Recommendations to Stakeholders

• 1 Unit 1 — Integrated Marketing Communications — Campaign Strategy — 6 classes

- › 1.1 Define Integrated Marketing Communications and Its Importance
- › 1.2 Identify the Components of an Effective Campaign Strategy
- › 1.3 Analyze Target Audiences for Tailored Marketing Messages
- › 1.4 Develop Key Marketing Messages Aligned with Brand Values
- › 1.5 Explore Multi-Channel Approaches for Campaign Implementation
- › 1.6 Evaluate Campaign Effectiveness Through Metrics and Feedback

• 2 Unit 2 — Social Media Marketing — Content, Ads and Metrics — 6 classes

- › 2.1 Analyze the Role of Content in Social Media Marketing
- › 2.2 Create Engaging Social Media Content for Target Audiences
- › 2.3 Explore Different Types of Social Media Ads
- › 2.4 Design a Targeted Advertising Campaign on Social Platforms
- › 2.5 Measure the Effectiveness of Social Media Marketing Strategies
- › 2.6 Optimize Social Media Metrics to Enhance Marketing Performance

• 3 Unit 3 — E-commerce Marketing — Product Listings and Conversions — 6 classes

- › 3.1 Analyze Effective E-commerce Product Listings
- › 3.2 Identify Key Components of High-Converting Product Descriptions
- › 3.3 Implement SEO Strategies for Enhanced Product Visibility
- › 3.4 Utilize High-Quality Images and Videos in Product Listings
- › 3.5 Develop Strategies for Optimizing Product Listings for Conversions
- › 3.6 Evaluate Real-World E-commerce Success Stories and Their Strategies

• 4 Unit 4 — Marketing Analytics — Google Analytics, Attribution — 6 classes

- › 4.1 Understand Key Metrics in Google Analytics
- › 4.2 Navigate Google Analytics Dashboard Effectively
- › 4.3 Set Up Goals and Conversions in Google Analytics
- › 4.4 Analyze Audience Behavior Using Google Analytics Reports
- › 4.5 Explore Attribution Models in Marketing Analytics
- › 4.6 Apply Insights from Google Analytics to Improve Marketing Strategies

• 5 Unit 5 — Marketing Capstone — Full Campaign Project — 6 classes

- › 5.1 Identify Target Audience for Marketing Campaign
- › 5.2 Set Clear Objectives for Campaign Success
- › 5.3 Design Creative Messaging for Brand Resonance
- › 5.4 Develop an Integrated Marketing Strategy
- › 5.5 Allocate Budgets and Resources Effectively
- › 5.6 Evaluate Campaign Performance and Metrics Analysis

• 1 Unit 1 — Multimedia Journalism — Video, Audio and Text Integration — 6 classes

- › 1.1 Explore the Fundamentals of Multimedia Journalism
- › 1.2 Analyze the Role of Video in Storytelling
- › 1.3 Investigate Audio Techniques for Engaging Narratives
- › 1.4 Integrate Text and Visuals for Enhanced Communication
- › 1.5 Create a Short Multimedia Story Prototype
- › 1.6 Evaluate and Critique Multimedia Journalism Projects

• 2 Unit 2 — Documentary Production — Script, Shoot, Edit — 6 classes

- › 2.1 Analyze Documentary Genres and Styles
- › 2.2 Develop a Narrative Structure for Documentary Scripts
- › 2.3 Conduct Effective Research for Documentary Topics
- › 2.4 Plan and Organize a Documentary Shoot
- › 2.5 Apply Filming Techniques and Best Practices
- › 2.6 Edit and Finalize a Documentary Production

• 3 Unit 3 — News Production — TV Bulletin or Radio Programme — 6 classes

- › 3.1 Analyze News Formats for TV and Radio
- › 3.2 Explore Scriptwriting Techniques for Broadcast
- › 3.3 Investigate the Role of Sound and Visuals in News Production
- › 3.4 Develop Effective Interview Strategies for Broadcast Media
- › 3.5 Create a News Bulletin Outline for TV or Radio
- › 3.6 Present and Critique a Mock News Bulletin

• 4 Unit 4 — Public Relations — Press Releases and Media Events — 6 classes

- › 4.1 Define Public Relations and Its Importance in Mass Media
- › 4.2 Explore the Key Components of Effective Press Releases
- › 4.3 Analyze Successful Press Release Case Studies
- › 4.4 Identify Best Practices for Writing Engaging Press Releases
- › 4.5 Plan and Organize an Effective Media Event
- › 4.6 Evaluate the Impact of Press Releases and Media Events on Public Perception

• 5 Unit 5 — Media Capstone — Broadcast or Print Package — 6 classes

- › 5.1 Analyze Broadcast vs Print Media Formats
- › 5.2 Identify Key Elements of a News Package
- › 5.3 Develop a Storyboard for a Broadcast Package
- › 5.4 Create a Print Layout for a News Story
- › 5.5 Conduct Peer Review of Media Packages
- › 5.6 Present and Evaluate Final Broadcast or Print Packages

• 1 Unit 1 — Full Website Build — CMS, E-commerce, Portfolio — 6 classes

- › 1.1 Explore Content Management Systems (CMS) and Their Benefits
- › 1.2 Identify Key Features of E-commerce Platforms
- › 1.3 Analyze Essential Elements of a Portfolio Website
- › 1.4 Design User-Friendly Navigation for Websites
- › 1.5 Integrate Payment Gateways for E-commerce Functionality
- › 1.6 Build a Complete Website: CMS, E-commerce, and Portfolio Integration

• 2 Unit 2 — Advanced JavaScript — React or Vue Basics — 6 classes

- › 2.1 Explore JavaScript Fundamentals for React and Vue
- › 2.2 Set Up Your First React Project Environment
- › 2.3 Create Your First Component in React
- › 2.4 Set Up Your First Vue Project Environment
- › 2.5 Create Your First Component in Vue
- › 2.6 Compare Component Lifecycle in React and Vue

• 3 Unit 3 — Backend Integration — API Development with PHP or Python — 6 classes

- › 3.1 Understand API Fundamentals and Concepts
- › 3.2 Explore PHP for API Development
- › 3.3 Implement RESTful API Design Principles
- › 3.4 Utilize Python for Back-end API Integration
- › 3.5 Test and Debug APIs with Postman or Curl
- › 3.6 Create a Full-stack Application Using API Integration

• 4 Unit 4 — Web Security — HTTPS, Authentication, OWASP — 6 classes

- › 4.1 Understand the Fundamentals of HTTPS and Its Importance
- › 4.2 Explore the Process of Implementing HTTPS on a Website
- › 4.3 Analyze Common Authentication Methods for Web Security
- › 4.4 Examine OWASP Top Ten Security Risks in Web Applications
- › 4.5 Evaluate Strategies to Mitigate OWASP Vulnerabilities
- › 4.6 Develop a Secure Web Application Using Best Practices

• 5 Unit 5 — Multimedia Web Capstone — Deploy Live Project — 6 classes

- › 5.1 Identify Project Requirements and Objectives
- › 5.2 Design a User-Centric Multimedia Interface
- › 5.3 Develop Interactive Web Components Using HTML, CSS, and JavaScript
- › 5.4 Integrate Multimedia Elements for Enhanced User Experience
- › 5.5 Test and Optimize Web Application Functionality
- › 5.6 Deploy and Showcase the Live Project on a Hosting Platform

• 1 Unit 1 — Fitness Programme Design — Periodisation and Progression — 6 classes

- › 1.1 Define Key Concepts in Periodisation and Progression
- › 1.2 Explore Different Models of Periodisation
- › 1.3 Identify Goals and Objectives for a Fitness Programme
- › 1.4 Develop a Periodised Training Plan for Specific Goals
- › 1.5 Evaluate Progression Strategies for Fitness Improvement
- › 1.6 Implement and Monitor a Fitness Programme Based on Periodisation

• 2 Unit 2 — Sports Event Management — Planning and Execution — 6 classes

- › 2.1 Identify Key Components of Sports Event Management
- › 2.2 Develop a Comprehensive Event Plan
- › 2.3 Evaluate Venue Selection Criteria for Sports Events
- › 2.4 Create a Budget and Financial Plan for Your Event
- › 2.5 Implement Marketing Strategies for Sports Events
- › 2.6 Analyze Post-Event Evaluation Techniques

• 3 Unit 3 — Rehabilitation and Injury Management Basics — 6 classes

- › 3.1 Assessing Common Sports Injuries
- › 3.2 Understanding the RICE Protocol for Injury Management
- › 3.3 Identifying Signs of Overtraining and Injury Risk
- › 3.4 Implementing Rehabilitation Exercises for Recovery
- › 3.5 Developing Individualized Injury Management Plans
- › 3.6 Evaluating Progress and Readiness to Return to Activity

• 4 Unit 4 — Physical Trainer Certification Preparation — 6 classes

- › 4.1 Identify Core Competencies for Physical Trainers
- › 4.2 Analyze Role of Physical Trainers in Diverse Populations
- › 4.3 Develop Effective Communication Skills for Coaching
- › 4.4 Design Personalized Training Programs Based on Assessment
- › 4.5 Implement Safety Protocols in Physical Training Environments
- › 4.6 Evaluate Progress and Adapt Programs for Continuous Improvement

• 5 Unit 5 — Physical Activity Trainer Capstone — Coach a Group — 6 classes

- › 5.1 Assess Group Dynamics and Individual Needs
- › 5.2 Design an Inclusive Physical Activity Programme
- › 5.3 Implement Effective Communication Strategies
- › 5.4 Facilitate Engaging Group Activities
- › 5.5 Evaluate Performance and Provide Constructive Feedback
- › 5.6 Develop a Plan for Sustaining Group Participation

• 1 Unit 1 — End-to-End Data Analysis — Business Case to Insights — 6 classes

- › 1.1 Define Business Objectives for Data Analysis
- › 1.2 Collect and Prepare Data from Relevant Sources
- › 1.3 Conduct Exploratory Data Analysis (EDA) Techniques
- › 1.4 Visualize Data Using Python Libraries
- › 1.5 Analyze Results to Extract Business Insights
- › 1.6 Present Findings and Recommendations Effectively

• 2 Unit 2 — Interactive Dashboards — Tableau or Power BI — 6 classes

- › 2.1 Explore the Basics of Tableau and Power BI Interfaces
- › 2.2 Import and Prepare Data for Visualization
- › 2.3 Create Fundamental Visualizations: Charts and Graphs
- › 2.4 Design Interactive Dashboard Elements Using Filters and Slicers
- › 2.5 Enhance Dashboard Functionality with Drill-Down Features
- › 2.6 Share and Publish Interactive Dashboards for Stakeholder Engagement

• 3 Unit 3 — A/B Testing and Statistical Inference in Python — 6 classes

- › 3.1 Understand A/B Testing Fundamentals and Concepts
- › 3.2 Formulate Hypotheses for A/B Testing Scenarios
- › 3.3 Implement A/B Testing Using Python Libraries
- › 3.4 Analyze A/B Test Results with Statistical Metrics
- › 3.5 Apply Statistical Inference Techniques in Python
- › 3.6 Interpret Findings from A/B Testing for Decision Making

• 4 Unit 4 — Data Storytelling — Narrative, Visuals and Recommendations — 6 classes

- › 4.1 Analyze Storytelling Techniques in Data Presentation
- › 4.2 Identify Key Visual Elements that Enhance Data Narratives
- › 4.3 Craft a Compelling Narrative Around Data Findings
- › 4.4 Design Effective Visuals to Support Data-Driven Insights
- › 4.5 Develop Recommendations Based on Data Visualizations
- › 4.6 Present Data Stories Clearly and Persuasively

• 5 Unit 5 — Industry Data Analysis Capstone — Present to Panel — 6 classes

- › 5.1 Analyze Industry Data Sets for Key Insights
- › 5.2 Identify Visualization Techniques for Data Representation
- › 5.3 Develop a Compelling Data Story for Presentation
- › 5.4 Design Effective Slides for Data Visualization
- › 5.5 Practice Delivering Presentations to Enhance Communication Skills
- › 5.6 Receive and Incorporate Feedback for Continuous Improvement

• 1 Unit 1 — Retail Business Plan — Format, Location and Launch —

6 classes

- › 1.1 Analyze the Components of a Retail Business Plan
- › 1.2 Identify Target Markets for Retail Locations
- › 1.3 Evaluate Site Selection Criteria for Retail Spaces
- › 1.4 Develop a Budget for Retail Launch Expenses
- › 1.5 Create a Timeline for Retail Store Launch Activities
- › 1.6 Present and Pitch Your Retail Business Plan

• 2 Unit 2 — E-commerce Store — Shopify or WooCommerce Project

— 6 classes

- › 2.1 Compare Shopify and WooCommerce for E-Commerce Needs
- › 2.2 Set Up Your First Shopify Store: A Step-by-Step Guide
- › 2.3 Configure WooCommerce: Essential Settings and Customizations
- › 2.4 Integrate Payment Gateways for Effective Transactions
- › 2.5 Optimize Product Listings for Better Visibility and Sales
- › 2.6 Analyze Store Performance: Tools and Metrics for Success

• 3 Unit 3 — Category Management and Vendor Negotiation — 6

classes

- › 3.1 Understand the Fundamentals of Category Management
- › 3.2 Analyze Consumer Behavior and Trends in Retail Categories
- › 3.3 Develop Effective Category Strategies for Retail Success
- › 3.4 Master the Art of Vendor Assessment and Selection
- › 3.5 Negotiate Successfully with Vendors for Optimal Outcomes
- › 3.6 Implement Category Plans and Measure Performance Metrics

• 4 Unit 4 — Retail Analytics — Basket Analysis and Customer Data

— 6 classes

- › 4.1 Understand the Basics of Retail Analytics
- › 4.2 Explore the Concept of Basket Analysis
- › 4.3 Identify Key Metrics in Customer Data
- › 4.4 Analyze Customer Purchase Patterns Using Basket Analysis
- › 4.5 Apply Insights from Customer Data to Improve Retail Strategies
- › 4.6 Evaluate Real-World Case Studies of Effective Retail Analytics

• 5 Unit 5 — Retail Capstone — Launch and Manage a Mini Store — 6

classes

- › 5.1 Define Your Mini Store Concept and Target Market
- › 5.2 Design an Eye-Catching Store Layout and Branding Strategy
- › 5.3 Develop a Comprehensive Inventory and Sourcing Plan
- › 5.4 Create a Pricing Strategy and Promotional Campaign
- › 5.5 Implement Sales Techniques and Customer Service Practices
- › 5.6 Evaluate Performance and Gather Feedback for Future Improvements

• 1 Unit 1 — Agri-Enterprise Project — Business Plan and Launch —

6 classes

- › 1.1 Identify Key Components of an Agri-Enterprise Business Plan
- › 1.2 Analyze Market Opportunities for Agricultural Innovations
- › 1.3 Develop a Balanced Financial Plan for Your Agri-Enterprise
- › 1.4 Formulate Effective Marketing Strategies for Agricultural Products
- › 1.5 Create a Sustainable Operations Plan for Your Agri-Business
- › 1.6 Pitch Your Agri-Enterprise Project for Feedback and Improvement

• 2 Unit 2 — Rural Market Study — Survey, Analysis and Insights

• 3 Unit 3 — Export Agriculture — Certification, Quality and Markets

• 4 Unit 4 — Innovation in Farming — Drone, Sensor and Precision Agri

• 5 Unit 5 — Rural and Agricultural Innovation Capstone Report

• 1 Unit 1 — Advanced Shorthand Certification Preparation

• 2 Unit 2 — Secretarial Practice — Meetings, Resolutions and Reports

• 3 Unit 3 — Advanced MS Office — Mail Merge, Macros, Pivot Tables

• 4 Unit 4 — Office Administration Simulation — Manage a Virtual Office

• 5 Unit 5 — Stenography Capstone — Speed Test and Office Project

• 1 Unit 1 — Tourism Project — Research, Design and Present a Tour

• 2 Unit 2 — Event Management — Plan and Execute a Live Event

• 3 Unit 3 — Hospitality Industry Readiness — Resume and Interview

• 4 Unit 4 — Sustainable Tourism and Responsible Travel

• 5 Unit 5 — Tourism and Hospitality Capstone — Industry Internship Report

36

Professional Masters in Travel & Tourism (Aligned with NEP 2020)5 chapters **100 marks**

- 1 Unit 1 — Tour Package Project — FIT/GIT Design and Costing
- 2 Unit 2 — Destination Marketing — Digital Campaigns and Branding
- 3 Unit 3 — Travel Agency Simulation — Full Booking and Service
- 4 Unit 4 — IATA Accreditation and Air Ticketing Basics
- 5 Unit 5 — Travel and Tourism Capstone — Travel Agency Business Plan

37

Professional Masters in Web Application (Aligned with NEP 2020)5 chapters **100 marks**

- 1 Unit 1 — Full-Stack Web Application — Front, Back and DB
- 2 Unit 2 — Deployment — cPanel, VPS, Docker, CI/CD
- 3 Unit 3 — API Design — REST, JSON and Postman Testing
- 4 Unit 4 — Web Security — OWASP Top 10 and HTTPS
- 5 Unit 5 — Web Application Capstone — Live Deployed Project

38

Professional Masters in Yoga (Aligned with NEP 2020)5 chapters **100 marks**

- 1 Unit 1 — Yoga Instructor Certification Preparation
- 2 Unit 2 — Therapeutic Yoga Programme Design — Specific Conditions
- 3 Unit 3 — Group Yoga Class Management and Safety
- 4 Unit 4 — Yoga Business — Studio, Online and Corporate Wellness
- 5 Unit 5 — Yoga Capstone — Teach a Structured Session