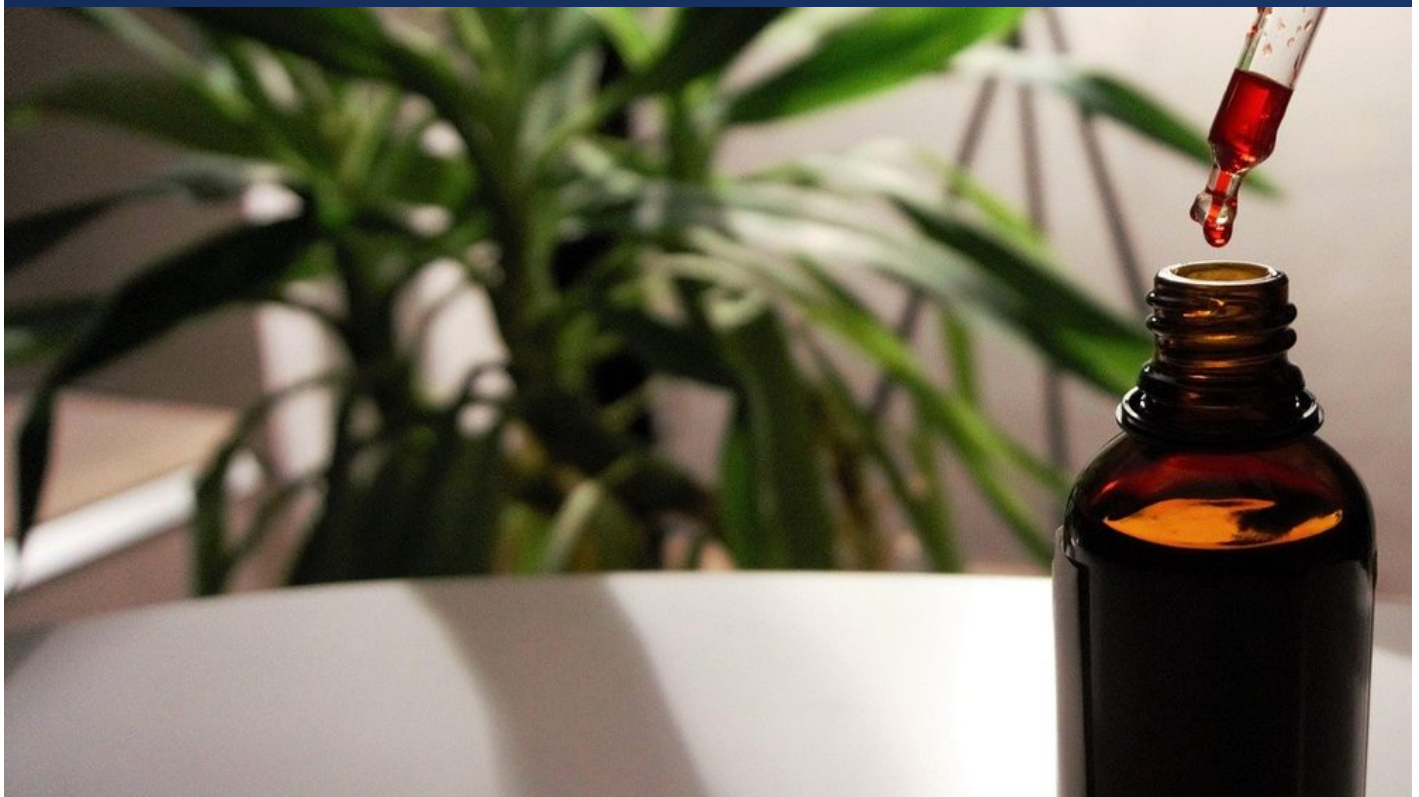


LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

NEP Vocational Class 12



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 Accounting & Taxation 5 chapters100 marks • 1 Unit 1 — Advanced GST — IGST, CGST, Returns and Audits • 2 Unit 2 — Income Tax Returns — Filing, Assessment and Appeals • 3 Unit 3 — Advanced Tally ERP — Payroll, Banking and Cost Centres • 4 Unit 4 — Business Audit — Internal and External Audit Basics • 5 Unit 5 — Accounting and Taxation Capstone Project
2 Artificial Intelligence 5 chapters100 marks • 1 Unit 1 — Deep Learning — CNNs, RNNs and Transfer Learning • 2 Unit 2 — Natural Language Processing — Tokenisation and Sentiment • 3 Unit 3 — Computer Vision — Object Detection and Classification • 4 Unit 4 — AI Ethics, Fairness and Responsible AI Deployment • 5 Unit 5 — AI Capstone Project — Solve a Real-World Problem
3 Automotive 5 chapters100 marks • 1 Unit 1 — Advanced Automotive Diagnostics — OBD, CAN Bus • 2 Unit 2 — Electric and Hybrid Vehicle Systems — EV Technology • 3 Unit 3 — Service Management — Workshop Operations and Quality • 4 Unit 4 — Emission Norms, Safety Regulations and Compliance • 5 Unit 5 — Automotive Industry Project — Service Report
4 Banking & Financial Services 5 chapters100 marks • 1 Unit 1 — Treasury Operations and Capital Market Instruments • 2 Unit 2 — Banking Regulations — Basel III, RBI Guidelines • 3 Unit 3 — Trade Finance — LC, Bank Guarantees, Forex • 4 Unit 4 — Fintech — Digital Lending, InsurTech, RegTech • 5 Unit 5 — Banking and Financial Services Capstone Project

5

Beauty & Wellness

5 chapters 100 marks

- 1 Unit 1 — Advanced Spa and Wellness Consulting
- 2 Unit 2 — Aesthetic Treatments — Microdermabrasion, Peels
- 3 Unit 3 — Bridal and Special Occasion Beauty Planning
- 4 Unit 4 — Salon Business Plan — Finance, Staffing and Marketing
- 5 Unit 5 — Cosmetology Capstone — Portfolio and Client Project

6

Biotechnology

5 chapters 100 marks

- 1 Unit 1 — Bioinformatics — Sequence Analysis and BLAST
- 2 Unit 2 — PCR, ELISA and Molecular Diagnostic Techniques
- 3 Unit 3 — Agricultural Biotechnology — GM Crops, Tissue Culture
- 4 Unit 4 — Biotechnology Industry — GMP, Regulatory and Ethics
- 5 Unit 5 — Biotechnology Capstone Project — Lab and Report

7

Data Science

5 chapters 100 marks

- 1 Unit 1 — Machine Learning Models — Scikit-learn and Evaluation
- 2 Unit 2 — Feature Engineering and Model Optimisation
- 3 Unit 3 — Big Data Concepts — Hadoop, Spark, Cloud Basics
- 4 Unit 4 — Data Pipeline — Ingestion, Processing and Serving
- 5 Unit 5 — Industry Data Science Capstone Project

8

Design Thinking & Innovation

5 chapters 100 marks

- 1 Unit 1 — Design for Social Impact — SDGs and Human Needs
- 2 Unit 2 — Systems Design and Service Blueprint
- 3 Unit 3 — Business Model Canvas and Innovation Strategy
- 4 Unit 4 — Capstone Design Sprint — 5-Day Intensive
- 5 Unit 5 — Design Innovation Capstone — Present to Stakeholders

9

Electronics & Hardware

5 chapters 100 marks

- 1 Unit 1 — Embedded Systems — RTOS, Memory and Communication Protocols
- 2 Unit 2 — IoT Project — Full Stack (Sensor to Cloud)
- 3 Unit 3 — Industry-Linked Hardware Design — PCB and Enclosure
- 4 Unit 4 — Product Testing, Certification and Safety Standards
- 5 Unit 5 — Electronics and IoT Capstone Project

10

Fashion Studies

5 chapters 100 marks

- 1 Unit 1 — Fashion Collection Development — Theme to Final Garments
- 2 Unit 2 — Fashion Portfolio — Sketches, Boards, Lookbook
- 3 Unit 3 — Entrepreneurship in Fashion — Brand and Business Plan
- 4 Unit 4 — Fashion Industry — Supply Chain, Sustainability and Trends
- 5 Unit 5 — Fashion Graduation Show and Capstone Project

11

Financial Literacy

5 chapters 100 marks

- 1 Unit 1 — Portfolio Management — Asset Allocation and Risk
- 2 Unit 2 — Estate Planning — Wills, Trusts and Succession
- 3 Unit 3 — Advanced Tax Planning and International Taxation Basics
- 4 Unit 4 — Wealth Advisory — Client Profiling and Financial Plan
- 5 Unit 5 — Financial Planning Capstone — Client Case Study

12

Food Production

5 chapters 100 marks

- 1 Unit 1 — Advanced Patisserie — Chocolates, Sugar Work, Desserts
- 2 Unit 2 — Food Cost Management and Menu Engineering
- 3 Unit 3 — Restaurant and Catering Operations

- 4 Unit 4 — Food Safety Certification — FSSAI and HACCP Advanced
- 5 Unit 5 — Culinary Capstone — Create, Cook and Present

13

Front Office Operations

5 chapters 100 marks

- 1 Unit 1 — Front Office Capstone — Full Hotel Operations Simulation
- 2 Unit 2 — Revenue Optimisation — OTA, Rate Parity and Strategy
- 3 Unit 3 — Hospitality Leadership and HR Management

- 4 Unit 4 — Industry Readiness — Internship Preparation
- 5 Unit 5 — Hospitality Industry Project and Exit Assessment

14

Geospatial Technology

5 chapters 100 marks

- 1 Unit 1 — QGIS Advanced — Raster, Vector and Spatial Analysis
- 2 Unit 2 — Drone Mapping Basics — UAV Photogrammetry
- 3 Unit 3 — Geospatial Data Applications — Urban Planning, Agriculture

- 4 Unit 4 — Remote Sensing for Disaster Management and Climate
- 5 Unit 5 — Geospatial Capstone Project — Map and Analyse

15

Graphics & Animation

5 chapters 100 marks

- 1 Unit 1 — 3D Animation Production — Rigging, Lighting, Rendering
- 2 Unit 2 — VFX Compositing — Green Screen and Motion Tracking
- 3 Unit 3 — Motion Graphics — Advanced After Effects

- 4 Unit 4 — Animation Portfolio — Short Film or Product Ad
- 5 Unit 5 — Animation Industry Capstone — Complete Project

16

Health Care

5 chapters 100 marks

- 1 Unit 1 — Clinical Internship Preparation — Skills and Protocols
- 2 Unit 2 — Advanced Diagnostics — Lab Tests and Interpretation
- 3 Unit 3 — Public Health and Epidemiology Basics

- 4 Unit 4 — Healthcare Administration and Policy
- 5 Unit 5 — Healthcare Capstone — Case Study and Placement Prep

17

Home Science

5 chapters 100 marks

- 1 Unit 1 — Applied Nutrition — Therapeutic Diets and Clinical Cases
- 2 Unit 2 — Fashion and Textiles Project — Design and Construct
- 3 Unit 3 — Consumer Studies — Market Research and Policy

- 4 Unit 4 — Child Development and Nursery School Management
- 5 Unit 5 — Home Science Capstone Project and Viva

18

Horticulture

5 chapters 100 marks

- 1 Unit 1 — Commercial Horticulture — Greenhouse and Polyhouse Farming
- 2 Unit 2 — Floriculture for Export and Event Industry
- 3 Unit 3 — Landscape Architecture — Design and Execution
- 4 Unit 4 — Agri-Business Development — Marketing and Finance
- 5 Unit 5 — Horticulture Capstone — Farm Plan and Presentation

19

Hospital & Clinical Management

5 chapters 100 marks

- 1 Unit 1 — Hospital Quality Systems — NABH, JCI Accreditation
- 2 Unit 2 — Healthcare Project Management — Planning and Execution
- 3 Unit 3 — Health Information Management — Electronic Health Records
- 4 Unit 4 — Medico-Legal Issues and Insurance in Hospitals
- 5 Unit 5 — Hospital Administration Capstone Project

20

Human Rights & Gender Studies

5 chapters 100 marks

- 1 Unit 1 — Rights Advocacy — RTI, PIL and Grassroots Movements
- 2 Unit 2 — Social Research Methods — Surveys, Interviews, FGDs
- 3 Unit 3 — Gender Policy Analysis — National and International
- 4 Unit 4 — Media and Human Rights — Documentation and Reporting
- 5 Unit 5 — Human Rights Capstone — Research and Action Plan

21

Information Technology

5 chapters 100 marks

- 1 Unit 1 — Full-Stack IT Project — Plan, Design and Build
- 2 Unit 2 — Advanced Cybersecurity — Pen Testing, SOC Basics
- 3 Unit 3 — Cloud Computing Fundamentals — AWS/Azure/GCP
- 4 Unit 4 — DevOps Basics — CI/CD, Git, Docker Introduction
- 5 Unit 5 — IT Industry Capstone — Deploy and Document Project

22

Insurance & Risk Management

5 chapters 100 marks

- 1 Unit 1 — Risk Modelling and Actuarial Concepts
- 2 Unit 2 — Insurance Industry Internship Preparation
- 3 Unit 3 — Claims Automation and Insurtech Trends
- 4 Unit 4 — Reinsurance and Global Insurance Markets
- 5 Unit 5 — Insurance and Risk Management Capstone Project

23

IT System Maintenance

5 chapters 100 marks

- 1 Unit 1 — Enterprise IT Support — Helpdesk to L3 Escalation
- 2 Unit 2 — Network Administration — Routing, Switching, VLAN
- 3 Unit 3 — Cloud Services — IaaS, PaaS, SaaS Administration
- 4 Unit 4 — IT Security Operations and Compliance (ISO 27001)
- 5 Unit 5 — IT Maintenance Capstone — Enterprise Network Setup

24

Legal Studies

5 chapters 100 marks

- 1 Unit 1 — Moot Court — Argument, Evidence and Procedure
- 2 Unit 2 — Legal Drafting — Contracts, Affidavits, Plaints
- 3 Unit 3 — Intellectual Property Law — Patents, Copyright, Trademarks
- 4 Unit 4 — Corporate Law — Companies Act and Compliance
- 5 Unit 5 — Legal Studies Capstone — Research Memo and Presentation

25

Library & Information Science

5 chapters 100 marks

- 1 Unit 1 — Digital Library Management — DSpace, Koha, e-Resources
- 2 Unit 2 — Metadata Standards — Dublin Core, MARC21, RDA
- 3 Unit 3 — Knowledge Management Systems and Institutional Repositories

- 4 Unit 4 — Information Literacy — Teaching Research Skills
- 5 Unit 5 — Library and Information Science Capstone Project

26

Logistics & Supply Chain

5 chapters 100 marks

- 1 Unit 1 — Supply Chain Project — End-to-End Design and Optimisation
- 2 Unit 2 — ERP Systems — SAP MM, Inventory and Procurement Basics
- 3 Unit 3 — Logistics Technology — Track and Trace, Last Mile

- 4 Unit 4 — Green Supply Chain and Sustainability Practices
- 5 Unit 5 — Supply Chain Capstone — Industry Partner Project

27

Marketing & Sales

5 chapters 100 marks

- 1 Unit 1 — Integrated Marketing Communications — Campaign Strategy
- 2 Unit 2 — Social Media Marketing — Content, Ads and Metrics
- 3 Unit 3 — E-commerce Marketing — Product Listings and Conversions

- 4 Unit 4 — Marketing Analytics — Google Analytics, Attribution
- 5 Unit 5 — Marketing Capstone — Full Campaign Project

28

Mass Media Studies

5 chapters 100 marks

- 1 Unit 1 — Multimedia Journalism — Video, Audio and Text Integration
- 2 Unit 2 — Documentary Production — Script, Shoot, Edit
- 3 Unit 3 — News Production — TV Bulletin or Radio Programme

- 4 Unit 4 — Public Relations — Press Releases and Media Events
- 5 Unit 5 — Media Capstone — Broadcast or Print Package

29

Multimedia & Web Technology

5 chapters 100 marks

- 1 Unit 1 — Full Website Build — CMS, E-commerce, Portfolio
- 2 Unit 2 — Advanced JavaScript — React or Vue Basics
- 3 Unit 3 — Backend Integration — API Development with PHP or Python

- 4 Unit 4 — Web Security — HTTPS, Authentication, OWASP
- 5 Unit 5 — Multimedia Web Capstone — Deploy Live Project

30

Physical Activity Trainer

5 chapters 100 marks

- 1 Unit 1 — Fitness Programme Design — Periodisation and Progression
- 2 Unit 2 — Sports Event Management — Planning and Execution
- 3 Unit 3 — Rehabilitation and Injury Management Basics

- 4 Unit 4 — Physical Trainer Certification Preparation
- 5 Unit 5 — Physical Activity Trainer Capstone — Coach a Group

31

Python & Data Visualization

5 chapters 100 marks

- 1 Unit 1 — End-to-End Data Analysis — Business Case to Insights
- 2 Unit 2 — Interactive Dashboards — Tableau or Power BI
- 3 Unit 3 — A/B Testing and Statistical Inference in Python
- 4 Unit 4 — Data Storytelling — Narrative, Visuals and Recommendations
- 5 Unit 5 — Industry Data Analysis Capstone — Present to Panel

32

Retail

5 chapters 100 marks

- 1 Unit 1 — Retail Business Plan — Format, Location and Launch
- 2 Unit 2 — E-commerce Store — Shopify or WooCommerce Project
- 3 Unit 3 — Category Management and Vendor Negotiation
- 4 Unit 4 — Retail Analytics — Basket Analysis and Customer Data
- 5 Unit 5 — Retail Capstone — Launch and Manage a Mini Store

33

Rural & Agricultural Innovation

5 chapters 100 marks

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

34

Stenography & Computer Applications

5 chapters 100 marks

- 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

35

Tourism & Hospitality

5 chapters 100 marks

- 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

Travel & Tourism

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

Web Application

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

- 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