COURSE BROCHURE

# Deep Learning & Neural Network Foundations

Diploma, Vocational & Skills / AI & Machine Learning Practice

**One-time full-course fee**

**INR 2,999**

**Access**

**12 months course access**

**Study plan**

**20 suggested study hours; 12 months access**

**Learning format**

**4 self-paced written English lessons with original worked examples, local exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS.**

## Programme overview

Four original written readings teach numerical neurons, nonlinear representations, backpropagation, a tiny local network and a reproducible stress-test capstone. Executable examples use small one-hidden-layer networks as foundations for understanding deeper systems; CNNs, transformers, large-model training and production deployment are not included. Self-paced written English with optional existing AI Course Tutor support; no live human teacher, individual marking or recorded video series. 4 self-paced written English lessons with original worked examples, local exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS. AI-authored with independent AI editorial checks; independent human academic review is not included. An independent ZELVU short course covering the stated scope. Live human tuition, individual human marking, recorded video lectures, external qualifications or academic credits, vendor certification, examination vouchers and placement guarantees are not included. Use your own compatible computer and any required basic art supplies; these are not supplied. No paid software subscription or paid AI API is required for the supplied practice. Follow the documented software version; interface details can change. Related ZELVU Data Science & Machine Learning, Python Programming Foundation and AI-related degree-support courses remain separately sold. This course adds original numerical network and evaluation practice without including their lessons or entitlements. It is independent supplementary learning, not a degree, official certification or

university-partner programme.

## Who this is for

1. Comfort with basic algebra, fractions, tables and functions. Optional coding uses simple Python loops and lists; derivatives are explained through worked examples. Paper-based alternatives use supplied calculations. No GPU, paid model or cloud account is required.
2. Use the supplied fictional examples or your own non-sensitive practice material. Do not enter private student, employer or customer information into the Course Tutor.

## Published topics and learning focus

1. Neurons, Predictions, Loss and a Checked Update
2. Nonlinear Representations and Backpropagation
3. Train a Tiny Network and Keep the Evidence Honest
4. Capstone: Reproduce, Stress-Test and Explain a Network

## Before you choose

1. These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
2. ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
3. Current checkout terms and refund policy apply. Payment and access require successful provider verification.

## Take the next step

**Explore the programme trial**

**View current details, scope and terms**

**Ask ZELVU about this programme**

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a

purchase.