



WORKSHOP • INTERMEDIATE • HANDS-ON BUILDS, 1-3 DAYS, LAPTOPS OPEN

Computer Vision for Quality Inspection

Put vision AI on your line: defect detection from camera setup to model deployment, taught on your own products.

🕒 3 days

📍 On-site at your facility

★ 4.8 · 160+ trained



PROGRAMME OVERVIEW

About this programme

Delivered on your factory floor. Quality and production engineers learn the full vision pipeline — imaging setup, dataset building, model training and threshold tuning — culminating in a working defect-detection prototype on one of your own inspection points.

OBJECTIVES

What this programme sets out to do



Build a working command of imaging & data



Go deep on modelling



Develop practical skill in operations

AT A GLANCE

Key facts

CATEGORY Workshops	LEVEL Intermediate
DURATION 3 days · ≈ 21 contact hours	FORMAT On-site at your facility
COHORT SIZE Public & private cohorts	RATING 4.8 / 5 (160+ trained)
LANGUAGES 12+ (English, Hindi, Kannada ...)	CERTIFICATE Verifiable digital credential



WHO IT'S DESIGNED & DELIVERED FOR

Cohorts

Quality engineers, production engineers, plant IT.

Quality engineers

production engineers

plant IT

Pre-requisites

- General familiarity with your own domain and data.
- A laptop for the hands-on segments.
- One or two real use-cases from your work to apply the learning to.

Tentative duration & effort

3 days

- ≈ 21 total contact hours
- On-site at your facility
- Pacing adapts to your cohort; private cohorts can be re-scoped

WHAT YOU TAKE AWAY

Tangible outputs

- A verifiable, shareable digital certificate
- A role-specific prompt / playbook library
- Qube AI copilot access during the programme
- Session recordings and all working materials
- Entry to the Qubicon alumni community & office hours

MODULE - BY - MODULE

What we cover

MODULE	KEY TOPICS COVERED	HRS*
01 Imaging & data	Optics and lighting · Sampling strategy · Annotation workflows · Class design	7
02 Modelling	Detection vs classification vs anomaly · Transfer learning · Threshold economics · Edge deployment	7
03 Operations	Drift and retraining · Operator UX · MES integration · Pilot on your line	7

*Indicative contact hours per module; tuned to your cohort's pace and any private-cohort customisation.

TOOLS & TECHNOLOGIES

What you'll work with

PyTorch

YOLO

Label Studio

ONNX

Edge devices

PROGRAMME OUTCOMES

What you'll be able to do

- ✓ Design imaging stations that make models reliable
- ✓ Build labelled datasets efficiently with assisted annotation
- ✓ Train and tune defect-detection models
- ✓ Deploy with drift monitoring and operator-review loops

Delivery & certification

- Live, expert-led sessions with hands-on labs and mentoring
- The Qube AI copilot supports every learner between sessions
- Delivered in 12+ languages with domain-accurate translation
- Verifiable digital certificate — verify any code at qubiconai.com/verify

Investment

\$150_{/hr} · **₹6,999**_{/hr}

- **Individuals:** enrol & pay online (cards / UPI)
- **Enterprises:** quote → PO → GST invoice → net-30, zero upfront
- Private cohorts, on-site delivery & volume rates on request



For corporates & institutions

- Private cohorts engineered around your stack, data and use-cases
- Curriculum built by principal instructors with the Qube engine
- Capability analytics: engagement, skill-lift and applied-project ROI
- Procurement-friendly: quote → PO → GST invoice → net-30, zero upfront
- MSA, data-security review and on-prem / VPC delivery supported

For individual learners

- Enrol and pay online — cards, UPI or Razorpay
- Live, expert-led sessions (never pre-recorded)
- A verifiable certificate you can share with employers
- The Qube AI copilot supporting you between sessions
- Recordings, materials and an active alumni community

WHY QUBICON.AI

50K+

PROFESSIONALS TRAINED

650+

ENTERPRISE CLIENTS

50+

COUNTRIES SERVED

98%

SATISFACTION SCORE

- Live and expert-led — taught by practitioners who ship AI
- Qube, an adaptive AI copilot, for every single learner

- Verifiable, shareable certification employers trust
- Delivered in 12+ languages, localised to your teams
- Curriculum engineered around your industry and stack



Ready to begin?

Enrol, request a private cohort, or book a free 30-minute consult — our team replies within one business day.

WEBSITE

www.qubiconai.com

Programmes, catalogue & enrolment

EMAIL

contact@qubiconai.com

Corporate & institutional enquiries

OFFICES

Bengaluru · San Francisco

India & USA · delivery in 50+ countries

BOOK A CONSULT

qubiconai.com/book

Free 30-minute capability call

Enrol or request this programme for your team

Reference QBN-COMPUTER-VISION-FOR-QU · Computer Vision for Quality Inspection

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