



DURATION
3 Months

INDUSTRIAL AUTOMATION

COURSE & CAREER GUIDE · 2026

Certified **Industrial IoT** Professional

Course Details & Career Growth Guide

Classic automation meets Industry 4.0 — PLC, SCADA, HMI, VFD plus IIoT, industrial networking and cloud connectivity.

240 Training Hours

5 Modules

4 Hands-On Projects

Career Roles & Salary Ladder

Placement Support

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Programme Highlights

240 Hours

3 Months of structured,
practical training

4 Projects

Hands-on work you can
show employers

Certified

TÜV SÜD + IPCS Global

Placement

100% placement
assistance & career-
readiness

IPCS Global — Since 2008

IPCS Global began in 2008 as a specialised industrial automation training and services provider and has grown into one of India's leading technical and digital skills institutes, with 50+ branches across India and the GCC. Our Coimbatore centre in Peelamedu combines classroom teaching with hands-on labs, and every learner is coached in communication, aptitude and interview readiness alongside technical skills.

18+

YEARS

15,000+

PROFESSIONALS TRAINED

50+

BRANCHES

100%

PLACEMENT ASSISTANCE

About the Industrial Automation Stream

Industrial automation is IPCS Global's founding specialisation since 2008. Our programmes take you from electrical basics to multi-brand PLC, SCADA, HMI, VFD, servo, DCS and Industrial IoT on real lab equipment — the skills plants in India and the GCC hire for.



ISO 9001:2015 Certified

Audited, consistent training quality.



TÜV SÜD Cooperation Partner

Partner of the German testing & certification body.



NSDC Approved Partner

Approved training partner under Skill India.



Inside the IPCS Global Coimbatore training centre.

Why Industrial Automation, **Why Now**

The demand behind this programme — and the industries that hire our graduates.

- 1 Factories are automating**
Manufacturing, pharma, food processing, water treatment and energy plants across India are upgrading to PLC, SCADA and drive-based control — and need engineers to commission and maintain it.
- 2 Industry 4.0 is here**
Plants are connecting machines to networks and dashboards. Engineers who combine classic automation with IIoT and data skills are in short supply.
- 3 Strong GCC demand**
Oil & gas, utilities, construction and infrastructure projects in the Gulf continue to recruit PLC, SCADA and instrumentation engineers from India.

Where You Can Work

- 1 Manufacturing & automotive plants**
- 2 Pharma & food processing**
- 3 Water & wastewater treatment**
- 4 Power, energy & utilities**
- 5 Oil & gas, chemical & cement**
- 6 System integrators & panel builders**

Three Ways to Build Your Career

Full-Time Job

Join a company with placement support behind you — stability and structured growth.

Job + Freelance

Hold a job while taking side projects to build income and a broader portfolio.

Overseas / GCC

Automation is one of the most internationally mobile technical careers. With 2–3 years of experience, commissioning and project engineers frequently move to GCC countries at significantly higher tax-free packages.

CAREER PROGRAMME

Certified Industrial IoT Professional

Classic automation meets Industry 4.0 — PLC, SCADA, HMI, VFD plus IIoT, industrial networking and cloud connectivity.

3 Months

240 Hours

5 Modules

4 Projects

Classroom + hands-on lab

Part A • Course Details

Program Overview

This programme pairs core automation skills with the Industrial IoT layer modern plants are adopting. After PLC, SCADA, HMI, VFD, servo and DCS, you connect PLC data to networks and IIoT platforms for remote monitoring and predictive maintenance.

DURATION

3 Months

TRAINING HOURS

240 Hours

MODULES

5 Structured Modules

MODE

Classroom + hands-on lab

BATCHES

Weekday • Weekend • Fast-track

CERTIFICATION

TÜV SÜD + IPCS Global

Who Should Join

- ✓ Engineering graduates (EEE, ECE, EIE, Mechatronics, CSE with hardware interest)
- ✓ Automation engineers adding IIoT
- ✓ Maintenance teams moving to smart manufacturing
- ✓ Final-year students

Eligibility: Diploma or degree in electrical, electronics, instrumentation or related discipline.

What You'll Be Able To Do

- ✓ Program Schneider, AB, Siemens, Delta and ABB PLCs
- ✓ Build SCADA and HMI systems
- ✓ Configure VFDs and servo drives
- ✓ Network industrial devices
- ✓ Stream PLC data to IIoT dashboards

The Full Syllabus

5 modules, 240 hours.

01	Introduction to Automation & PLC Programming	60 Hrs
02	SCADA & PLC Programming	50 Hrs
03	HMI & VFD Programming	50 Hrs
04	Servo, DCS & Field Instrumentation	40 Hrs
05	IIoT, Industrial Networking & PLC-IIoT Interface	40 Hrs

Total Training Duration

240 Hours

Module-by-Module Topics

MODULE 01

60 Hrs

Introduction to Automation & PLC Programming

- Automation scope, types & industry tools
- PLC architecture, scan cycle & I/O types
- Ladder logic: contacts, coils, latching, interlocks
- Timers, counters, comparators & RTC
- Schneider Zelio & Allen-Bradley
- Electrical control panel wiring: MCB, contactor, OLR
- DOL & star-delta starters, interlocking
- PLC wiring, sinking/sourcing & sensor interfacing

MODULE 02

50 Hrs

SCADA & PLC Programming

- SCADA architecture, tags & data acquisition
- Graphics, animations & screen navigation
- Alarms, events, trends & historical logging
- Scripting & recipe management
- InTouch & WinCC; Siemens S7-1200, Delta, ABB

MODULE 03

50 Hrs

HMI & VFD Programming

- HMI hardware, need & applications
- Screen design: buttons, indicators, graphics
- PLC-HMI interfacing with digital & analog tags
- VFD working principle & applications
- Local, 2-wire & 3-wire control
- Parameter programming & preset frequencies

MODULE 04

40 Hrs

Servo, DCS & Field Instrumentation

- Servo systems: speed, torque & position control
- Internal/external control modes & gear ratio
- DCS architecture, PLC vs DCS & communication modules
- Field instruments: RTD, thermocouple, pressure, flow & level
- Calibration, final control elements & control loops (PID)

MODULE 05

40 Hrs

IIoT, Industrial Networking & PLC-IIoT Interface

- Industry 4.0 & IIoT architecture
- Industrial networking: Ethernet, Modbus, Profinet basics
- PLC data to cloud dashboards
- Edge devices, MQTT & remote monitoring
- Predictive maintenance concepts

Certified Industrial IoT Professional · Part A

Tools, Projects & Assessment

Tools & Technologies You'll Use

Schneider Zelio Soft

Rockwell RSLogix / Studio 5000

Siemens TIA Portal (S7-1200)

Delta ISPSOFT / WPLSOFT

Wonderware InTouch

Siemens WinCC

Delta DOPSOFT HMI

Danfoss & ABB VFDs

Delta servo drives

Multimeter & panel tools

MQTT / IIoT dashboard platforms

Industrial Ethernet & Modbus tools

Projects You'll Build

1 PLC + SCADA process monitoring

2 VFD motor control with HMI

3 PLC-to-cloud IIoT dashboard

4 Predictive maintenance alert demo

How You'll Be Assessed

1

Module Assessments

Practical and theory checks at the end of each module.

2

Project Reviews

Trainer review of your mini projects and final project.

3

Certification

Issued on meeting assessment and attendance criteria.

Certification: TÜV SÜD certification + IPCS Global course certificate + Internship Certification.

Where Certified Industrial IoT Professional Can Take You

Job roles, a realistic growth ladder with salary ranges, and the skills to keep growing.

Roles You'll Be Ready For

1

IIoT Engineer

Connects machines and PLCs to data platforms.

2

Automation Engineer

Designs and commissions control systems.

3

Industrial Networking Engineer

Builds and secures plant networks.

4

SCADA / MES Engineer

Builds monitoring and manufacturing execution systems.

5

Predictive Maintenance Analyst

Uses machine data to prevent failures.

6

Smart Factory Solutions Engineer

Delivers Industry 4.0 projects for clients.

Your Growth Ladder

STAGE

01

0-2 YRS

Graduate Engineer (Automation / IIoT)

Program PLCs and connect data sources.

₹3 – 5 LPA

STAGE

02

2-5 YRS

IIoT / Automation Engineer

Deliver connected-plant projects.

₹5 – 9 LPA

STAGE

03

5-8 YRS

Senior IIoT / Solutions Engineer

Architect Industry 4.0 solutions.

₹9 – 16 LPA

STAGE

04

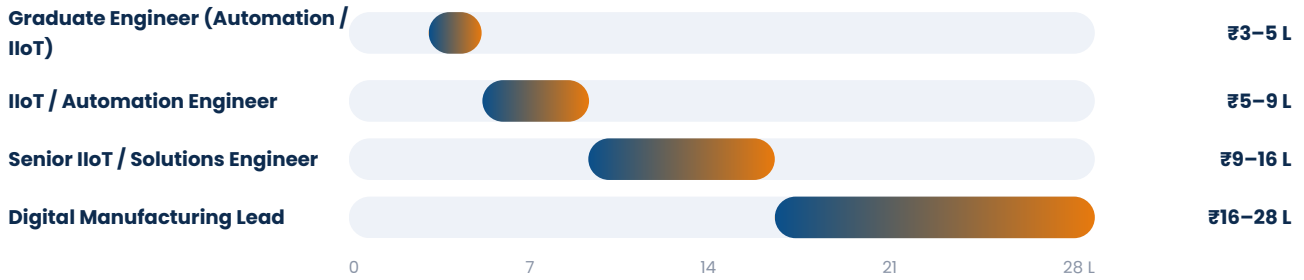
8+ YRS

Digital Manufacturing Lead

Lead smart-factory programmes.

₹16 – 28 LPA

Annual Salary Range (CTC) – ₹ Lakh per annum



Indicative ranges for India in 2026. Lower end: Tier-2 cities such as Coimbatore and smaller firms; upper end: metros and larger companies; GCC and overseas packages are typically higher. Guidance only, not a salary guarantee.

Skills to Add Next

- ✓ MQTT, OPC UA & Node-RED
- ✓ Cloud IoT (AWS IoT / Azure IoT)
- ✓ Python for industrial data
- ✓ OT cybersecurity basics
- ✓ MES concepts

Certifications to Target

- ✓ TÜV SÜD automation certification
- ✓ OPC UA / vendor IIoT certifications
- ✓ AWS / Azure IoT fundamentals
- ✓ ISA/IEC 62443 cybersecurity fundamentals

Upgrade Path at IPCS Global

1 Professional Diploma in Industrial Automation

2 Certified Building Management Systems

Your First 12 Months After the Course

1

Month 0-1 • Get Visible

Polish your resume and portfolio; apply through the IPCS placement cell's drives.

2

Month 1-3 • First Role

Join as a Graduate Engineer (Automation / IIoT).

3

Month 3-6 • Get Certified

Earn one certification from the list above.

4

Month 6-12 • Specialise

Pick a specialisation and own a project, system or channel.

How We Train & Certify

Technical skill gets you noticed — presentation, confidence and communication get you hired.
Career-readiness runs alongside the syllabus, not after it.

Our Learning Method



Your Certifications

- TÜV SÜD Certification**
 IPCS Global is a cooperation partner of TÜV SÜD, the German testing and certification body. Eligible learners receive a TÜV SÜD certificate that adds independent, international credibility to their skills.
- IPCS Global Course Certificate**
 IPCS Global is an ISO 9001:2015 certified institute and an NSDC approved training partner. Your course certificate is issued on successful completion of assessments.
- Internship Certification**
 Documents your hands-on lab and project work on real PLCs, drives and panels — verifiable experience for your resume.

Career-Readiness Track



How IPCS Global Gets You Hired

Every learner goes through a structured career-readiness track alongside the course, supported by our dedicated placement cell.

1

Dedicated Placement Cell

Interview drives, industry referrals and follow-up until you are placed – not just until the course ends.

2

Resume & Portfolio

One-on-one sessions to build a recruiter-ready resume and a project portfolio that proves your skills.

3

Aptitude & GD Training

Quantitative, logical and verbal aptitude plus group discussion practice.

4

Mock Interviews

Simulated technical and HR panels so the first real interview never feels like the first.

Recent IPCS Coimbatore Placements



A selection of recent placements across IPCS Global Coimbatore programmes.

Global opportunity: Automation is one of the most internationally mobile technical careers. With 2–3 years of experience, commissioning and project engineers frequently move to GCC countries at significantly higher tax-free packages.

WHY TRAIN WITH US

Why IPCS Global



18+ Years of Training Excellence

A track record since 2008, refined across 15,000+ professionals trained.



ISO 9001:2015 Certified

Audited, consistent training quality — every batch, every time.



Recognised Partnerships

TÜV SÜD cooperation partner and NSDC approved training partner.



Dedicated Placement Cell

Industry tie-ups, interview drives and follow-up until you are placed.



Real Labs, Real Projects

Industry-grade equipment and live projects — proof of work, not just a certificate.



50+ Branches, One Standard

Across India and the GCC, with weekday, weekend and fast-track batches.

Meet Our Coimbatore Team



Trainers, mentors, counsellors and placement coordinators at IPCS Global Coimbatore — working with every learner from the first class to final placement.

Frequently Asked Questions

Quick answers to the questions learners and parents ask us most. For anything else, call or visit the Coimbatore branch.

Q. Do I need prior experience to join?

Most programmes start from the fundamentals. Each programme lists its eligibility — our counsellors will confirm the right starting point for your background.

Q. Are classes held online or in the classroom?

Classroom + hands-on lab. Talk to our counsellors about the best option for your programme.

Q. What batch timings are available?

We run weekday, weekend and fast-track batches, so students and working professionals can both find a schedule that fits.

Q. Is placement guaranteed?

We provide 100% placement assistance — resume building, aptitude and GD training, mock interviews and interview drives through our dedicated placement cell. Final selection depends on each learner's performance, attendance and interview results.

Q. What certificate will I receive?

TÜV SÜD certification + IPCS Global course certificate + Internship Certification.

Q. Can I attend a class before enrolling?

Yes. Book a free demo session to meet the trainers, see the labs and experience a live class before you decide.

Q. What are the course fees?

Fees depend on the programme and batch type. Please contact the Coimbatore branch for the current fee structure and any available offers.

Q. Can working professionals join?

Yes. Weekend and fast-track batches are designed for people who are working or studying alongside the course.

LET'S START THE CONVERSATION

Your Career in **Industrial Automation** Starts Here

Book a free demo class, meet the trainers and see the labs — our counsellors will help you pick the right programme and batch.

Visit Us

Address #12, 2nd Floor, Swathi Towers,
Sowripalayam –
Masakalipalayam Road, Opp.
GRG Matriculation School,
Periyar Nagar, Peelamedu,
Coimbatore, Tamil Nadu –
641004

Get In Touch

Phone +91 80860 96664
Email bmcbe@ipcsglobal.com
Web www.ipcsglobal.com
Batches Weekday · Weekend · Fast-track

Book Your Free Demo Session Today

Walk in, call or write to us — meet the trainers, see the labs, and get counselling on the right course and batch before you enrol.

How to Enrol

1

Contact Us

Call, WhatsApp or walk in to our Peelamedu centre.

2

Free Demo

Attend a live class and see the labs.

3

Choose a Batch

Weekday, weekend or fast-track.

4

Enrol & Start

Simple, guided enrolment.