



DURATION
12 Months

BUILDING MANAGEMENT SYSTEMS

COURSE & CAREER GUIDE · 2026

Diploma in **Building Automation** Technology

Course Details & Career Growth Guide

A one-year diploma covering electronics, security, fire, BMS, solar and AV integration — with a final project.

400 Training Hours

11 Modules

4 Hands-On Projects

Career Roles & Salary Ladder

Placement Support

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Programme Highlights

400 Hours

12 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 Building Management Systems Stream

Every modern building runs on security, fire, access and energy systems. Our BMS programmes train you to install, commission and maintain them — from a one-week CCTV course to a full one-year diploma in building automation technology.



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 Building Management Systems, **Why Now**

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

- 1 Smart buildings everywhere**
 Offices, hospitals, malls, IT parks, airports and apartments now install integrated security, fire, access and energy systems that need skilled installers and engineers.
- 2 Safety is mandatory**
 Fire alarm, CCTV and access control are required by building codes and insurers, creating steady demand for installation and annual maintenance.
- 3 Energy efficiency drives BMS**
 Rising power costs and green-building norms push facilities to automate HVAC, lighting and power — the core of BMS work.

Where You Can Work

- 1 Facility management companies**
- 2 Security & surveillance system integrators**
- 3 Fire & safety contractors**
- 4 Commercial real estate & IT parks**
- 5 Hospitals, hotels & airports**
- 6 HVAC & electrical contractors**

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

GCC construction and facility management is a major employer of BMS, fire alarm and security technicians from India. Experienced installers can also start their own installation and AMC business locally.

CAREER PROGRAMME

Diploma in Building Automation Technology

A one-year diploma covering electronics, security, fire, BMS, solar and AV integration — with a final project.

12 Months

400 Hours

11 Modules

4 Projects

Classroom + hands-on lab

Part A • Course Details

Program Overview

A year-long programme that builds strong electrical and electronics foundations, then covers every major building technology — CCTV, biometric access, intruder alarms, fire alarm panels, smart BMS, solar and renewables, and AV & home theatre integration — ending with a project.

DURATION
12 Months

TRAINING HOURS
400 Hours

MODULES
11 Structured Modules

MODE
Classroom + hands-on lab

BATCHES
Weekday • Weekend • Fast-track

CERTIFICATION
TÜV SÜD + IPCS Global

Who Should Join

- ✓ 12th pass / ITI students wanting a full year of technical training
- ✓ Diploma students
- ✓ Technicians building a long-term career
- ✓ Defence personnel transitioning to civilian roles

Eligibility: 12th pass, ITI or diploma.

What You'll Be Able To Do

- ✓ Build and troubleshoot electronic circuits
- ✓ Install complete CCTV and security systems
- ✓ Commission fire alarm panels
- ✓ Operate smart BMS systems
- ✓ Install solar systems
- ✓ Integrate AV and home theatre setups

The Full Syllabus

11 modules, 400 hours.

01	Basic Electronics	40 Hrs
02	Basic Electrical	40 Hrs
03	Electronic Circuits & Embedded Design	40 Hrs
04	CCTV Surveillance Systems	40 Hrs
05	Biometric Access Control	30 Hrs
06	Security Systems – Intruder Alarms	30 Hrs
07	Fire Alarm Panel Systems	30 Hrs
08	Smart Building Automation – BMS	50 Hrs
09	Solar Power & Renewable Systems	30 Hrs
10	AV Integration & Home Theatre	30 Hrs
11	Project Work	40 Hrs

Total Training Duration

400 Hours

Module-by-Module Topics

MODULE 01

40 Hrs

Basic Electronics

- Components & circuits
- Power supplies
- Soldering & testing

MODULE 02

40 Hrs

Basic Electrical

- AC/DC, wiring & safety
- Earthing & protection
- House wiring basics

MODULE 03**40 Hrs****Electronic Circuits & Embedded Design**

- Sensor circuits
- Microcontroller basics
- Circuit troubleshooting

MODULE 04**40 Hrs****CCTV Surveillance Systems**

- CCTV fundamentals: analog, HD & IP cameras
- Camera selection: lens, resolution, IR, placement
- DVR & NVR configuration and recording
- Cabling, PoE & power supplies
- Remote monitoring on mobile & PC

MODULE 05**30 Hrs****Biometric Access Control**

- Fingerprint, face & card readers
- Door locks & controllers
- Software & attendance

MODULE 06**30 Hrs****Security Systems – Intruder Alarms**

- Panels, zones & sensors
- Keypads & sirens
- GSM dialers

MODULE 07**30 Hrs****Fire Alarm Panel Systems**

- Conventional vs addressable
- Detectors, MCPs & hooters
- Loop wiring & commissioning

MODULE 08**50 Hrs****Smart Building Automation – BMS**

- BMS architecture & controller theory
- HVAC systems & controls
- Lighting controls
- Solar, UPS & generators
- Surge & lightning protection
- Automatic gates & barriers

MODULE 09**30 Hrs****Solar Power & Renewable Systems**

- Solar PV basics
- On-grid & off-grid systems
- Inverters & batteries

MODULE 10**30 Hrs****AV Integration & Home Theatre**

- Audio-video systems
- Home theatre setup
- Conference room AV

MODULE 11**40 Hrs****Project Work**

- System design
- Installation
- Documentation & demo

Tools, Projects & Assessment

Tools & Technologies You'll Use

Hikvision / CP Plus DVR & NVR

IP cameras & PoE switches

Intruder alarm panels

Biometric devices

Fire alarm panel

Video door phone

Arduino

PLC & HMI

VFD

Network tools

Solar PV kit

AV equipment

Projects You'll Build

1 Integrated security system for a model building

2 Addressable fire alarm demo

3 Solar rooftop design

4 Final project

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 Diploma in Building Automation Technology 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

BMS Engineer / Technician

Operates and maintains building automation systems.

2

Fire Alarm Engineer

Installs and commissions fire detection systems.

3

Security Systems Engineer

Designs CCTV and access control solutions.

4

ELV / Low-Current Engineer

Handles all extra-low-voltage building systems.

5

HVAC Controls Technician

Maintains AHU, chiller and ventilation controls.

6

Facility / Maintenance Engineer

Keeps building services running.

Your Growth Ladder

STAGE

01

0-2 YRS

BMS / ELV Technician

Install, test and maintain building systems.

₹2.4 – 4 LPA

STAGE

02

2-5 YRS

BMS / ELV Engineer

Commission systems and handle clients.

₹4 – 7 LPA

STAGE

03

5-8 YRS

Senior Engineer / Project Engineer

Lead projects and integration.

₹7 – 12 LPA

STAGE

04

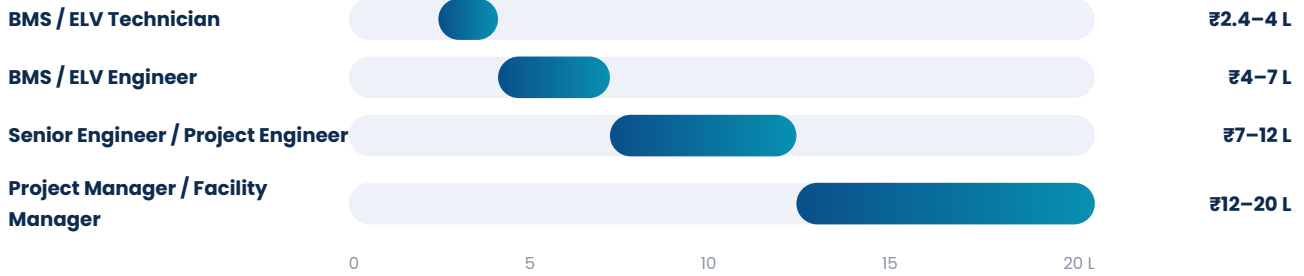
8+ YRS

Project Manager / Facility Manager

Run projects or large facilities.

₹12 – 20 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

- ✓ BACnet & Modbus integration
- ✓ BMS platforms (Honeywell, Siemens Desigo, Johnson Controls)
- ✓ Addressable fire alarm systems
- ✓ IP networking & cybersecurity
- ✓ Energy management

■ Certifications to Target

- ✓ TÜV SÜD certification
- ✓ Vendor certifications (Honeywell / Siemens / Bosch)
- ✓ NEBOSH / fire safety courses
- ✓ CCTV & access control vendor training

■ Upgrade Path at IPCS Global

1 Professional Diploma in Industrial Automation

2 Certified Industrial IoT Professional

■ 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 BMS / ELV Technician.

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 installation and commissioning work — 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: GCC construction and facility management is a major employer of BMS, fire alarm and security technicians from India. Experienced installers can also start their own installation and AMC business locally.

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 **Building Management Systems** 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 –
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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.