



DURATION
6 Months

IT, AI & SOFTWARE DEVELOPMENT

COURSE & CAREER GUIDE · 2026

MERN Stack Developer

Course Details & Career Growth Guide

MongoDB, Express, React and Node.js — plus Next.js, TypeScript and deployment.

480 Training Hours

9 Modules

5 Hands-On Projects

Career Roles & Salary Ladder

Placement Support

What's Inside

INTRODUCTION

About IPCS Global & the IT, AI & Software Development Stream	3
Industry Outlook & Where You Can Work	4

PART A — COURSE DETAILS

Program Overview, Key Facts & Eligibility	5
The Full Syllabus	6
Module-by-Module Topics	6
Tools, Projects & Assessment	7

PART B — CAREER GROWTH

Job Roles You'll Be Ready For	9
Growth Ladder & Salary Progression	9
Skills, Certifications & Upgrade Path	10

TRAINING, CERTIFICATION & PLACEMENT

How We Train, Certification & Career-Readiness	11
How IPCS Global Gets You Hired	12
Why IPCS Global & Meet Our Team	13
Frequently Asked Questions	14
Contact & How to Enrol	15

● Programme Highlights

480 Hours

6 Months of structured,
practical training

5 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 IT, AI & Software Development Stream

From AI and data science to full stack development and QA automation, our IT programmes are built around real projects and portfolios — so you graduate able to show employers what you can build, not just what you studied.

**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 IT, AI & Software Development, **Why Now**

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

- 1 Software runs every business**
Banks, hospitals, retailers and startups all need web applications, data pipelines and quality assurance — creating steady demand for skilled developers and analysts.
- 2 AI and data are the new core**
Companies are investing heavily in AI, analytics and automation. Candidates who can build with data and AI stand out immediately.
- 3 Skills beat degrees**
IT hiring increasingly tests what you can build. A strong project portfolio and GitHub profile can open doors regardless of your academic background.

Where You Can Work

- 1 IT services & consulting**
- 2 Product companies & SaaS**
- 3 Startups**
- 4 Banking, finance & insurance (BFSI)**
- 5 Healthcare & e-commerce**
- 6 Global capability centres (GCCs)**

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.

Remote & Global

IT skills are the most globally portable: remote roles, freelance projects and overseas opportunities (GCC, Europe, US, Singapore) are all realistic with experience and a strong portfolio.

CAREER PROGRAMME

MERN Stack Developer

MongoDB, Express, React and Node.js — plus Next.js, TypeScript and deployment.

6 Months

480 Hours

9 Modules

5 Projects

Classroom / Online / Hybrid

Part A • Course Details

Program Overview

A complete JavaScript full stack programme. You learn web fundamentals, Bootstrap and Git, MongoDB and SQL basics, modern JavaScript and Node.js, REST APIs with Express, then 130 hours of React including Next.js with server-side rendering, TypeScript and deployment — ending with a deployed MERN project.

DURATION

6 Months

TRAINING HOURS

480 Hours

MODULES

9 Structured Modules

MODE

Classroom / Online / Hybrid

BATCHES

Weekday • Weekend • Fast-track

CERTIFICATION

TÜV SÜD + IPCS Global

Who Should Join

- ✓ BE / B.Tech / BSc / BCA / MCA students & graduates
- ✓ Frontend developers going full stack
- ✓ Career switchers into software

Eligibility: 12th pass or above with basic computer knowledge.

What You'll Be Able To Do

- ✓ Build responsive UIs
- ✓ Write modern asynchronous JavaScript
- ✓ Build REST APIs with Node & Express
- ✓ Model data in MongoDB
- ✓ Build React & Next.js apps
- ✓ Deploy with CI/CD basics

The Full Syllabus

9 modules, 480 hours, delivered in three phases that each build on the last.

01 · FOUNDATION

Modules 1–2 · 90 Hours

HTML, CSS, JavaScript, Bootstrap and Git.

02 · BACKEND

Modules 3–5 · 155 Hours

MongoDB, Node.js and Express REST APIs.

03 · FRONTEND & SHIP

Modules 6–9 · 235 Hours

React, Next.js, TypeScript and a deployed project.

01	Introduction to Internet & Website Designing	60 Hrs
02	Bootstrap & Version Control Systems	30 Hrs
03	SQL & NoSQL Databases – MongoDB	45 Hrs
04	Modern JavaScript & Introduction to Node.js	45 Hrs
05	REST API Creation using Express	65 Hrs
06	React JS Basics & Project Setup	65 Hrs
07	Advanced React & Next.js with SSR	65 Hrs
08	TypeScript & Deployment	60 Hrs
09	MERN Stack Project & Deployment	45 Hrs

Total Training Duration

480 Hours

Module-by-Module Topics

MODULE 01

60 Hrs

Introduction to Internet & Website Designing

- HTML5 semantic markup & forms
- CSS3, Flexbox, Grid & responsive design
- JavaScript & ES6 fundamentals
- DOM manipulation & jQuery basics
- Web standards & best practices

MODULE 02

30 Hrs

Bootstrap & Version Control Systems

- Bootstrap 5 grid & components
- Git fundamentals: commit, branch, merge
- GitHub repositories & pull requests
- Team collaboration workflows

MODULE 03

45 Hrs

SQL & NoSQL Databases – MongoDB

- SQL vs NoSQL
- MongoDB CRUD & schema design
- Aggregation pipeline
- Mongoose ODM

MODULE 04

45 Hrs

Modern JavaScript & Introduction to Node.js

- ES6+ features
- Async/await & promises
- Node.js runtime & modules
- npm ecosystem

MODULE 05

65 Hrs

REST API Creation using Express

- Express routing & middleware
- CRUD APIs
- JWT authentication
- Validation & error handling

MODULE 06

65 Hrs

React JS Basics & Project Setup

- Components, props & state
- Hooks
- Routing
- API integration

MODULE 07

65 Hrs

Advanced React & Next.js with SSR

- State management (Context / Redux)
- Performance optimisation
- Next.js routing & SSR
- Full stack with Next.js

MODULE 08

60 Hrs

TypeScript & Deployment

- TypeScript fundamentals
- TypeScript with React & Node
- Deployment & CI/CD basics

MODULE 09

45 Hrs

MERN Stack Project & Deployment

- Build & deploy a production MERN app

MERN Stack Developer · Part A**Tools, Projects & Assessment****Tools & Technologies You'll Use**

VS Code

Node.js

Express

MongoDB

React

Next.js

TypeScript

Git & GitHub

Postman

Vercel / Render

■ Projects You'll Build

- 1 **Responsive landing page**
- 2 **Express REST API with JWT**
- 3 **React dashboard**
- 4 **Next.js SSR blog**
- 5 **Deployed MERN e-commerce app**

■ 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 MERN Stack Developer 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

MERN Stack Developer

Builds full stack JavaScript apps.

2

React Developer

Builds modern frontends.

3

Node.js Developer

Builds backends and APIs.

4

Next.js Developer

Builds SSR web apps.

5

Full Stack Developer

Owns features across the stack.

6

Frontend Engineer

Specialises in UI performance and UX.

Your Growth Ladder

STAGE

01

0-2 YRS

Junior MERN Developer

Build features across frontend and backend.

₹3 – 5.5 LPA

STAGE

02

2-5 YRS

Full Stack Developer

Own features and APIs.

₹5.5 – 11 LPA

STAGE

03

5-8 YRS

Senior Developer / Tech Lead

Architect apps and lead teams.

₹11 – 20 LPA

STAGE

04

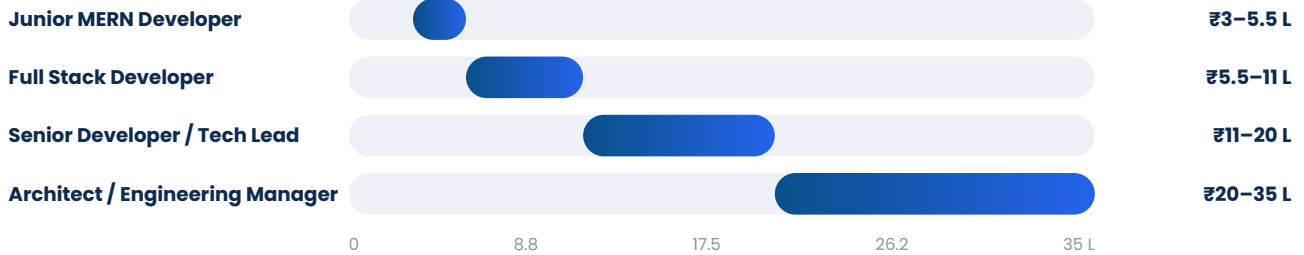
8+ YRS

Architect / Engineering Manager

Own platforms and teams.

₹20 – 35 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. Guidance only, not a salary guarantee.

■ Skills to Add Next

- ✓ System design
- ✓ Docker & cloud deployment
- ✓ GraphQL
- ✓ Testing (Jest, Cypress)
- ✓ AI features in web apps

■ Certifications to Target

- ✓ TÜV SÜD certification
- ✓ AWS Certified Developer
- ✓ MongoDB Associate Developer
- ✓ Meta Front-End Developer

■ Upgrade Path at IPCS Global

1 Certified AI Professional

2 Cloud developer certification

■ 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 Junior MERN Developer.

3

Month 3–6 · Get Certified

Earn one certification from the list above.

4

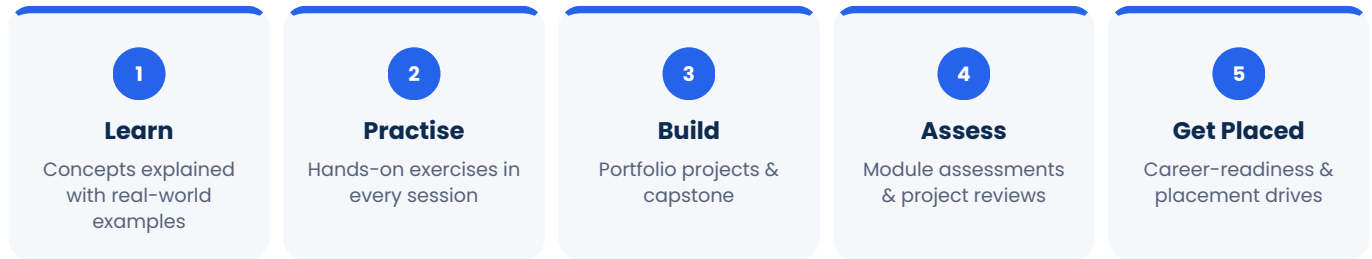
Month 6–12 · Specialise

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.

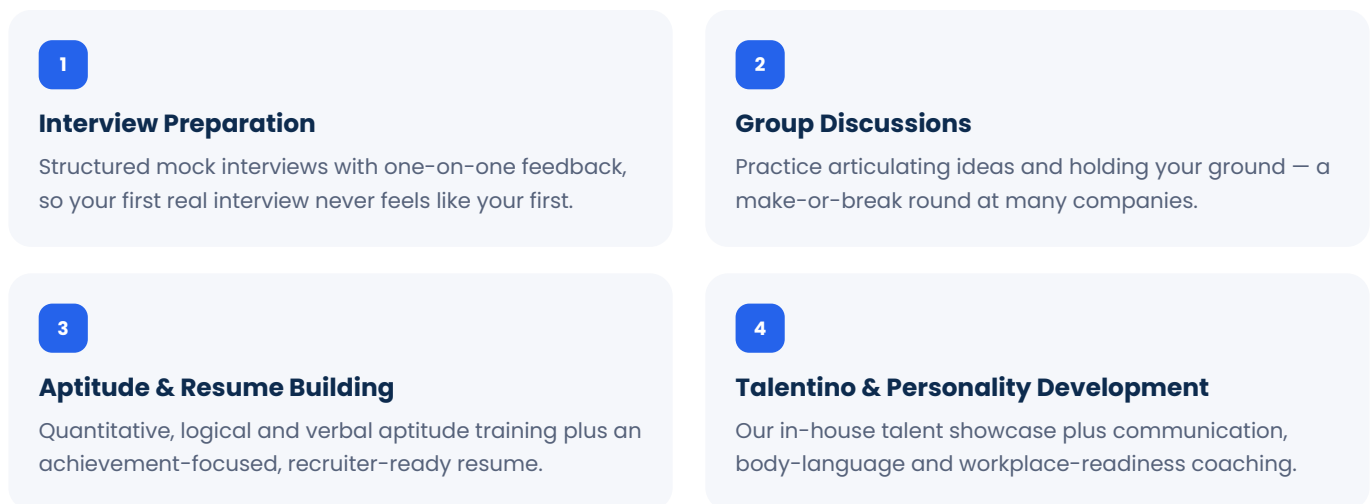
Our Learning Method



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 certificate is issued on successful completion of assessments and projects.
- Internship Certification**
 Documents your real-world projects and GitHub portfolio 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: IT skills are the most globally portable: remote roles, freelance projects and overseas opportunities (GCC, Europe, US, Singapore) are all realistic with experience and a strong portfolio.

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 / Online / Hybrid. 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 IT, AI & Software Development 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.