ISDM Independent Skill Development Mission NXT

EMPOWERING FUTURES,
SHAPING TOMORROW

★ AI-INTEGRATED COURSE

# DIPLOMA IN HOME AND INDUSTRIAL AUTOMATION COURSE

**Duration:** 1 Year | **Diploma** | **Eligibility:** Candidates must have completed their 10+2 education in any s

## OVERVIEW OF THE COURSE

The Diploma in Home and Industrial Automation Course is designed to equip students with the skills and knowledge needed to excel in the rapidly evolving fields of automation technology. Over the span of one year, students will explore both residential and industrial automation systems, focusing on the integration of technology t...

- Understand the fundamentals of automation and control systems.
- Gain practical experience in programming and configuring automation devices.
- Design and implement home automation solutions.
- Analyze and troubleshoot industrial automation systems.
- Develop skills in project management within automation projects.



| 1 Year | 11 | 4 | 6 |
|---|---|---|---|
| DURATION | SUBJECTS | PROJECTS | TOOLS |

JOIN NOW →

WhatsApp us

WE ARE AVAILABLE AT
**600+ LOCATIONS**

NOT SURE WHICH COURSE IS RIGHT FOR YOU?
**Choose the Best Course for You - Try our AI-Powered Career Counselling for FREE**

Start free →

YOUR NEAREST ISDM NxT CENTRE
**Puthu Trend Institute**
242/6 Main Road, Cholapuram South, Opposite to Indian Oil Petrol Station, Rajapalayam Tk, Virudhunagar District, Tamilnadu 626139, Tamil Nadu - 626139
Call / WhatsApp: **9360180110** · puthutrend@gmail.com

Scan to enquire

COURSE CURRICULUM

# What you will learn

01 Subjects → | 02 Projects → | 03 AI Integration

## 01 Subjects & modules

10 subjects

01 Electrical and Electronic Fundamentals

02 Domestic Wiring and Smart-Home Foundations

03 Sensors, Actuators and Control Devices

04 Microcontrollers and Embedded Automation

05 Internet of Things and Cloud-Based Automation

06 PLC Programming and Industrial Control

07 Motor Control, Drives and Industrial Panels

08 HMI, SCADA and Process Monitoring

09 Industrial Communication, Building Automation and Safety

10 System Integration, Entrepreneurship and Final Capstone Project

## 02 Projects & assignments

Hands-on work for your portfolio

P1 Design a smart home system using IoT devices.

P2 Develop an industrial automation project focusing on process control.

P3 Create a home security automation solution.

P4 Implement a programmable logic controller (PLC) in a simulated environment.

## 03 AI Integration

How AI is used inside the work of this course

AI SUBJECT

### AI Fundamentals & Prompt Engineering

- AI Basics and Everyday Uses
- Generative AI: How It Works
- Prompt Engineering Foundations
- AI for Study and Workplace Tasks
- Fact-Checking and Reliable Research
- Privacy, Safety and Responsible Use

- **Integrated Practice and Review**

**AI TOOLS YOU WILL USE**

| | | | | | |
|---|---|---|---|---|---|
| CH ChatGPT | Google Gemini | MC Microsoft Copilot | Claude | Perplexity | NotebookLM |

CAREER OPPORTUNITIES

# Where this course can take you

- Automation Engineer
- Home Automation Technician
- Industrial Automation Specialist
- Control Systems Engineer
- Smart Home Consultant

## Certification

The ISDM NxT Diploma is awarded after you successfully complete the course and its final assessment.

**Practical AI-integrated project** | **Final online test** | **Verifiable certificate**

WHY START NOW

# Your future is built by the skills you learn today.

Companies hire people who can do the work. People who use AI well at work are in demand - this course teaches you the job skills and the AI tools together. Every month you practise adds a project to your portfolio - the best time to start is now.

| 18+ | 600+ | 2,708+ | 390+ |
|---|---|---|---|
| Years of training experience | Centres across India | Job offers to our students | Hiring companies |

## UNIQUE FEATURES AT ISDM NxT

- ✓ Free pre-counselling to choose the right course
- ✓ Study material, attendance, assignments, exams and results online from day one
- ✓ 24x7 AI trainer (ChatNxT) for your doubts
- ✓ Experienced, rated trainers and daily class feedback
- ✓ Practical lab sessions and live projects
- ✓ Monthly online mentorship sessions
- ✓ Resume, mock interviews and job offers in your student dashboard
- ✓ Freelancing and start-up guidance

● LIVE PLACEMENT DATA

## Latest job offers to ISDM NxT students

Updated 20 Nov 2026



**Gaurav M.**
India
**Java Software Development Engineer**
Health Catalyst



**Geeta K.**
New Delhi
**tellecaller for digital marketing**
balajimarketingexperts



**Anand S.**
Muvattupuzha
**Hiring Junior Account Executive J...**
CorpZop



**Adarsh S.**
Ghugus
**TGT Computer Science**
Adani Foundation



**Priyanka Y.**
Mumbai
**Data Entry Operator (Full-time) -...**
CorpZop



**Rajan S.**
Ahilyanagar
**Computer Trainer**
Enlearning skill development Ltd

Job offers shared with our students through the ISDM NxT job network. See all at isdmnext.in/latest-placement

LIMITED SEATS · VALID TILL 30 NOV 2026

## FREE Ambassador Affiliate Programme

Complete your admission within **10 days** and join the ISDM NxT Ambassador Affiliate Programme free of cost: refer friends, earn referral rewards as per the programme and get featured on the ambassador leaderboard.

**CLAIM NOW**

TAKE THE FIRST STEP

# Book your FREE counselling session today

Meet our counsellor, see the lab, get your doubts answered and know the current fees and offers for your centre.

YOUR ISDM NxT CENTRE

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### Choose the Best Course for You

Try our AI-Powered Career Counselling for FREE - answer a few questions and get the courses that fit your interests, skills and career goal.

**Try it FREE →**
isdmnext.in/course-for-you

**01**
**Counselling**
Free guidance to pick the right course

**02**
**Training**
Practical classes, labs and projects

**03**
**Mentoring**
Experts, AI trainer and feedback

**04**
**Placement support**
Resume, interviews and job offers

### What you get with this course

- Study material and online access from day one
- Practical lab sessions and live projects
- 24x7 AI trainer support
- AI career counselling
- Interview preparation
- Job offers in the student dashboard
- ISDM NxT certificate

ISDM NxT Head Office: 309, Saffron Plaza, Airport Road, Vadodara, Gujarat, 390022 · +916263625594 · inquiry@gmail.com

Fees depend on the centre and current offers - ask your counsellor. Course content may be updated to stay current with industry needs. · isdmnext.in