



**PUNE'S NO.1 IT TRAINING INSTITUTE**

**UNLOCK YOUR  
POTENTIAL WITH OUR PREMIUM TRAINING**

**CAREER ORIENTED ADVANCED SKILL DEVELOPMENT PROGRAMS**

**DATA SCIENCE, DATA ANALYTICS & ARTIFICIAL INTELLIGENCE**



**FILL THE FORM**

**Call Us: 8446273688 | Mail Us: [info@primepointinstitute.com](mailto:info@primepointinstitute.com)**

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**NASSCOM ACCREDITED | ISO CERTIFIED | IBM CERTIFICATION**

# KNOW ABOUT PRIME POINT PUNE

Prime Point is a leading training institute dedicated to empowering aspiring professionals with in-demand skills and industry-ready expertise. We offer a diverse range of courses, including Data Science, Artificial Intelligence, Generative AI and Data Analytics. Our programs are designed to equip students with industry-relevant skills and provide placement guidance to help them launch successful careers. With hands-on live project mentorship and expert-led interview preparation.

## FEATURES AT PRIME POINT PUNE



### **100% Job Oriented Advanced Training**

We provide placement guidance. You will learn how to search for the right job opportunities and apply effectively. We guide you in profile building and help you develop the technical skills needed to crack interviews.



### **Mock Interview Preparation with Us**

A mock Interview will be conducted for each candidate where two HR and technical rounds have to be cleared by each candidate to be eligible for the placement process.



### **Live Industry Project with Mentor**

A Live Industry Project that teaches you industry application and real hands on experience will add value to your profile and will validate your skills in the eyes of the recruiter.



### **Hands on LinkedIn Profile Optimization**

LinkedIn is your digital profile for in today's digital era, every MNC asks for your LinkedIn So we make sure that your profile outshines every other profile in our hands on LinkedIn sessions.



### **Resume Building Live Expert Session**

Resume Building live and hands on session for building ATS friendly resumes for MNCs and startup companies, for easy and smooth interview process throughout.



### **Online & Offline Classroom Training**

Each course at Prime Point Pune is available in different modes of learning, every candidate can learn courses in online and offline classroom mode of learning.

## EMBEDDED SYSTEMS TRAINING WITH PLACEMENT ASSISTANCE

### **Module 1: Introduction to Embedded Systems**

- Meaning of embedded system and its purpose
- How embedded systems are different from PC based systems
- Use of embedded systems in daily life products
- Main blocks of an embedded system (processor, memory, I/O)
- Role of hardware and software while designing embedded systems
- Simple real-life examples for better understanding

### **Module 2: C Programming**

- Introduction and overview of C language
- Structure of a C program and basic syntax
- Variables, data types and constants
- If-else conditions and looping concepts
- Functions and basic program writing
- Arrays, pointers and structure concepts
- Reason for using C in embedded systems

### **Module 3: Embedded C**

- Difference between C programming and Embedded C
- Internal architecture of a microcontroller
- Registers and I/O port concepts
- Bitwise operators with practical use
- Timers and delay generation methods
- Basic idea of interrupts
- Writing C code to control hardware

### **Module 4: PIC 8-Bit Microcontroller**

- Overview of PIC microcontroller family
- Architecture of PIC microcontroller
- Understanding datasheet and pin diagram
- MPLAB IDE and compiler introduction
- LED and switch interfacing
- Timers and interrupt programming
- ADC basics in PIC
- Small practical based programs

### **Module 5: ARM7 32-Bit Microcontroller**

- Introduction to ARM processors
- ARM7 architecture and main features
- Difference between 8-bit and 32-bit controllers
- Development tools and basic setup
- GPIO programming concepts
- Timers and interrupt handling
- Serial communication basics
- Simple embedded application

### **Module 6: Arduino**

- What is Arduino and where it is used
- Arduino board and hardware overview
- Arduino IDE and program structure
- Digital input and output operations
- Analog input using sensors
- Serial communication
- Mini projects using Arduino

### **Module 7: ESP8266 and IoT**

- Basics of Internet of Things
- IoT system architecture
- ESP8266 features and overview
- Programming ESP8266 using Arduino IDE
- Wi-Fi communication basics
- Sending data to cloud platform
- Simple IoT based project

# CAREER ORIENTED ADVANCED SKILL DEVELOPMENT PROGRAMS

**Data Science & Analytics Training:** Master tools like Python, R, SQL, and Machine Learning while gaining hands-on experience with real-world datasets. Learn to analyze data, build predictive models, and make data-driven decisions.

**Artificial Intelligence Training:** Dive into AI with neural networks, TensorFlow, PyTorch, NLP, and computer vision. Develop intelligent systems and AI-powered applications through practical, industry-relevant training.



## COMPANIES WHERE OUR STUDENTS PLACED



**SCAN THE QR AND FILL THE FORM TO REGISTER IN CAREER ORIENTED ADVANCED SKILL DEVELOPMENT PROGRAMS**

