



## Working Professional Training

- ▶ Programs for **Professionals & Corporate**
- ▶ Career switch **Move to Core Domain**
- ▶ Upskill to meet **Project Demand**

### PLACEMENT SUPPORT

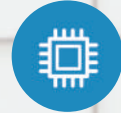
- Placements from 3rd month
- Monthly 15 - 20 campus drives
- Pre placement Process
- Interview readiness
- Aptitude & Soft skills Training

### KEY FEATURES

- 100% Placement Assistance
- Global Acceptance Certification
- Industry Oriented Modules
- Real time Project Exposure
- Limited Batch Strength

### WHY CRANES VARSITY ?

- 1 Million Engineers Trained
- 250+ Companies as our Hiring Partners
- Trained 20K+ Corporate & Defence Professional
- Instructor-Led Online & Classroom Session
- Training Partner for 5000 reputed Organizations



**Embedded &  
Automotive Systems**



**Internet of Things &  
Embedded Systems**



**Data Science  
using Python**

# PG Diploma Programs

Our Executive/ Working Professional training programs are designed for individual or corporate for upskilling in Embedded, Automotive, IoT, Data Science segment. These services are delivered online/ offline and we ensure effective skill transfer in developing software/hardware application.

## Embedded & Automotive Systems

- ▶ Fundamentals of Electronics and Embedded
  - ▶ Programming - C, DS, C++
  - ▶ Linux, Shell Scripting & System programming
  - ▶ Hardware - ARM7 & CORTEX - M3
  - ▶ Embedded Protocols - UART, I2C, SPI
  - ▶ Real Time OS(freeRTOS)
  - ▶ CAN, CAN Analysis, AUTOSAR
  - ▶ Model Based Design using MATLAB (Simulink, state flow & Embedded coder)
- Platform: Lpc2129, Keil Microvision

## IoT & Embedded Systems

- ▶ Fundamentals of Electronics and Embedded
  - ▶ Programming - C, DS, C++
  - ▶ HTML, Python, Advanced Python
  - ▶ IOT Edgenode, Gateway & Security
  - ▶ Data Analysis & visualization using Tableau
  - ▶ Linux, Shell Scripting & System programming
  - ▶ Hardware - ARM7 & CORTEX - M3
  - ▶ Embedded Protocols - UART, I2C, SPI
  - ▶ Real Time OS (freeRTOS)
- Platform: Lpc2129, Keil Microvision + Raspberry Pi3

## Data Science using Python

- ▶ Relational Database - SQL
- ▶ Web Technology - HTML, CSS, JavaScript
- ▶ Python Programming
- ▶ Advanced Python and Unit Testing
- ▶ Data Analysis & Visualization
- ▶ Machine Learning using SKlearn
- ▶ Deep Learning using TensorFlow
- ▶ Tableau
- ▶ Cloud Computing

## PROJECTS

- ▶ Embedded Project development with GPS, GSM, BLE, Wi-fi Sensors using Wired/ Wireless Tech
- ▶ Application development with Data Structure like Flood fund releasing data, Cyber Management systems, Bank Management Systems etc.
- ▶ Concurrent server to replicate a chat application using socket programming
- ▶ Ecommerce Server backend using socket programming
- ▶ GPIO Driver for Raspberry Pi, Parallel port driver
- ▶ Predicting Home Prices, Classify Iris Flower and many more

# Key Features

## METHODOLOGY

- ▶ Application Oriented Learning Approach
- ▶ Subject Expert Coaching
- ▶ Limited Batch Strength
- ▶ Soft Skills Training & Interview Readiness
- ▶ 100% Job Assistance

## WORKING DOMAIN

- ▶ Engineering
- ▶ Automotive
- ▶ IT Services
- ▶ Electronics
- ▶ Telecom & Wireless
- ▶ IoT
- ▶ Aerospace
- ▶ Testing
- ▶ Web technology
- ▶ Data Science

## TRAINERS EXPERTISE

- ▶ Rich mix of in-house trainers, industry consultants and subject matter experts
- ▶ Team has knowledge of traditional and modern job training methods and techniques
- ▶ Technical team stay's abreast in the new trends and tools used in the Industry
- ▶ 40+ Experienced Trainers Expertise in Industry Oriented Modules & Latest Technologies

## PROGRAM TAKE AWAY

- ▶ Practical Demonstration with the Latest Industry Tools
- ▶ Learning how Engineering subjects are mapped into Industry Applications
- ▶ Understanding Core Industry expectations
- ▶ Career Guidance and Opportunities in Core Domains
- ▶ Real time Project Exposure for Core Modules
- ▶ Blended learning and Hands-on sessions
- ▶ In house experts guiding professional development
- ▶ Industry Oriented Learning & Exposure

## STATE OF THE ART FACILITY

- ▶ 15,000 Square Feet Office Space Located in St. Marks Road, Bangalore
- ▶ 15 Centralized AC Classroom with Well Equipped Labs
- ▶ Central Library with Well Stocked Reference Books, Research Papers etc.
- ▶ Classrooms with Hi-End System Configuration with Over Head LCD Projector

# Prominent Recruiters

▶ 50,000+ CRANES ALUMANE

500+ RECRUITED CLIENTS ◀


and 250+ more. .

## STUDENT TESTIMONIALS

## CLIENT TESTIMONIALS

"I had very good experience with Cranes Varsity. I have joined for embedded systems course. the faculties are very experienced and helpful taught everything from begining like c, c++, embedded protocol etc which are relevant for the core industry they also have great placement team which will support us till we get placed"

"Cranes is one of the best institutes to start a career with, especially when the focus is completely on Embedded Domain. If one has good percentage in academics and aspiration to start a career in Embedded systems, CRANES VARSITY is the institute to rely upon completely"

- Vipin chandran, Placed in American Megatrends

- Pavithra Sarath Kumar, HRS5-IN

"I completed my Engineering in 2010 and had experience in service industry. Cranes helped me in shifting to core industry. They provided opportunities and provided in depth knowledge in improving my core competencies. They also provided many mock tests and test to improve my performance. I would like to thank Cranes with providing me opportunity to get selected in Tata Elxsi"

"Based on the current market need, companies will look for trained talent on the respective skillset for fresher hiring There will be Paradigm shifts all the time on the hiring prospects. Even though Cranes provide quality training on fundamentals & concepts on the core areas, it has customized as per company needs in getting more selections. Encourage students to explore practical approaches and analytical methodologies."

- Uvarani, Placed in Tata Elxsi

- Sudheer, HR Manager

"I have taken Data science using python course at cranes varsity Bangalore. Training was excellent with good interaction. Best training institute in Bangalore providing both online as well as offline training with good placement opportunities. I got placed in Mindtech"

"AMI is proud to be associated with CRANES for the last 2 years. All our drive was success. Cranes helped AMI to find technical capable students in embedded domain also made our process so easy. We take this opportunity to thank the entire team of Cranes. Special thanks to the Placement team, who were instrumental in all our drive with passion to provide us the results."

- Prajna Rai, Placed in Mindtech

- Senthil Kumar, HR Manager

## Contact for more detail

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