



Cranes Varsity

'Where Technology Meets Excellence'

CORPORATE TRAINING

- DSP
- EMBEDDED
- MATLAB
- AUTOMOTIVE
- WEB TECHNOLOGY
- INTERNET OF THINGS (IoT)
- DATA ANALYTICS
- TELECOM & WIRELESS
- SOFT SKILLS

About Us

Cranes Varsity, a pioneer in Technical Training & Education services in EMBEDDED, DSP & WEB TECHNOLOGIES with over 20 years of acclaimed expertise. Established & leveraged our long term relationship as trusted training Partner for over 5000 reputed organizations including Academia, Corporate & Defence professionals.

Having built reputation as leading training providers, we now extend over to emerging industry trends like Big Data Analytics, IOT & Cloud Computing.

Training Model

- ▶ Induction & Lateral Programs
- ▶ Customized Training
- ▶ Project Consultancy
- ▶ Open House for Individuals
- ▶ Ready to Hire
- ▶ Brush-Up Sessions



Classroom &
Online Training



Gateway to
Corporate World



Domain Specific
Trainings

Training Verticals

Professional Programs

Industry Readiness

College Programs

Academia to Corporate

Corporate Program

Induction and Customized

Placements & Outsourcing

On Roll / Off Role Hiring

NEW PROGRAMS

Training Programs	Level	Duration
• Building an IoT Solution – An Overview	2	2 Days
• Data Collection & Aggregation in IoT	2	2 Days
• Data Processing & Control in IoT	2	2 Days
• Connectivity Stacks in IoT – Near Field Connectivity	2	2 Days
• Connectivity Stacks in IoT – IP Broadband backbone	2	2 Days
• Security Challenges in IoT – Device & Data Security	2	1 Day
• Power Management Challenges in IoT	2	1 Day

INTERNET OF THINGS (IOT)

Training Programs	Level	Duration
• Analytics for Beginner	2	2 Days
• Data Science with R	2	3 Days
• Hadoop	2	4 Days
• Machine Learning	2	5 Days
• Agile / Scrum Methodology	2	4 Days

BIG DATA, ANALYTICS, SOFTWARE

Training Programs	Level	Duration
• Configuring, Cross Compiling and Build Linux image	2	1 Day
• Linux Kernel Internals	2	4 Days
• Linux Booting – Bootloaders, secure boot & Device tree	2	1 Day
• Architecture Basics - A journey from Boot-up to Launcher	2	2 Days
• Building ROM images and Debugging Tools	2	2 Days
• HAL Architecture, Device interface to APP access	2	1 Day
• LINUX & Android Security and the SELinux adoption	3	1 Day

LINUX & ANDROID

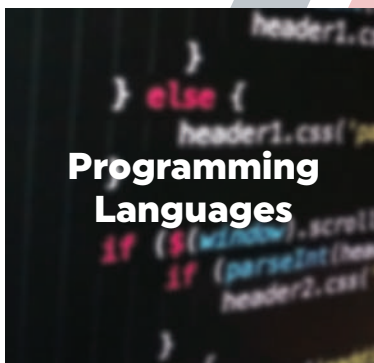
Training Programs	Level	Duration
• Embedded Automotive C with MISRA C 2012	2	3 Days
• AUTOSAR overview	2	2 Days
• SDLC	2	3 Days
• Digital and Analog Electronics for Control Systems	2	2 Days
• PCB design Overview - using ORCAD	2	3 Days
• Programmable Gate Arrays (CPLDs / PSOC)	2	2 Days

AUTOMOTIVE SEGMENT TRAINING

Training Programs	Level	Duration
• Telecom Technology, DSL, ATM, SONET	2	3 Day
• Data Communications and Broadband	3	3 Day
• IP/ Networking	2	3 Day
• GSM , CDMA, 2G,3G,4G, LTE, WiMAX	2	3 Day
• Wireless RF, Bluetooth, LAN PAN Bluetooth, NFC & Zigbee	3	3 Day

TELECOM & WIRELESS

EMBEDDED & DSP



Training Programs	Level	Duration
• Embedded C Programming & Data structure	2	4 Days
• Program Logic Development	2	3 Days
• Expert C Programming	3	2 Days
• Modern C ++	3	3 Days
• SQL Using Oracle	2	5 Days
• C Sharp / .NET / ASP.NET	2	4 Days
• Python / Advance Python	2	4 Days
• Programming in Java	2	5 Days

Training Programs	Level	Duration
• Designing with VHDL / Verilog	2	3 Days
• Advance VHDL / Verilog	3	3 Days
• Essentials of FPGA	2	2 Days
• Verification & Validation	3	3 Days



Training Programs	Level	Duration
• RTOS Fundamentals - Open Source / VxWorks	2	4 Days
• Open CV	3	5 Days
• Embedded Linux Porting on ARM Cortex-A8/A9	3	3 Days
• ARM Architecture and Programming	2	3 Days
• Emb Communication Protocols - I2C, UART, SPI & CAN	2	4 Days
• C Programming With ARM	2	3 Days

Training Programs	Level	Duration
• Basic DSP Concepts Using Matlab & TMS320C6000	2	3 Days
• DSP design using TMS320C6713 and CCS	3	3 Days
• Digital Image Processing using MATLAB	3	3 Days
• Mathematical Modeling and GUI Design using MATLAB	2	2 Days
• Model Based Design using Simulink	2	2 Days
• Logic Driven System Modeling Using Stateflow	2	1 Day
• Autocode Generation	2	1 Day
• Communication system design using Matlab & Simulink	2	5 Days



TECHNICAL SKILLS

- C, C++
- Java
- JSP & Servlet
- Python
- R Programming
- Android
- Cloud Computing
- Database: Oracle, MySQL
- Embedded Linux
- VLSI
- RTOS
- Device Drivers
- Matlab-Simulink
- ARM(M0-M7,Cortex)
- IoT
- System Programming
- Big Data Hadoop
- DSP
- Wireless & Telecom
- Data Analytics

SOFT SKILLS

Training Program	Training Level	Duration
Team Building & Leadership Skills	2	3 Days
Stress Management	2	2 Days
Campus to Corporate Orientation	2	5 Days
Communication & Presentation skills	2	2 Days
Problem Solving and Critical Thinking	2	2 Days
Personality Development	2	2 Days

WHY CRANES?

- Over 20 years of qualified training experience
- Trained over 1 million engineering graduates
- 100+ companies with over 50,000+ Cranes Alumnae
- 40+ experienced trainers & consultants equipped with skills of industry demand
- 20000+ Corporate & Defence professional trained
- Setting up laboratory infrastructure at 2000+ colleges
- Partnership with global leaders
- State of the art infrastructure with well equipped labs

MAJOR CLIENTS



CLIENT SPEAKS

“ Python programming session was really helpful. The trainer is well versed with the content and with his different skill sets which were helpful in learning and understanding the Language very well. I feel definitely this is going to help me a lot in optimizing the concepts learnt in my work day to day.

- Prithvi Raj K - Autoliv, Bangalore

“ Trainers have excellent domain knowledge and possess good teaching skills. This program helped me to explore basic concepts and start working with MATLAB in my projects.

- P C Rao, HERML Pune (DRDO)

“ Content of the training is good for better understanding of Agile. Trainer is very knowledgeable, good oration. Workshop was very well organized.

- D. Madhu Kumar - Infinera India Pvt Ltd

“ I didn't have any prior knowledge of Matlab before attending this session. After this training, I got confidence that with a little further effort from my end. I can use Mat lab for many of my applications.

- Dr. Srikanth - ASL Hyderabad (DRDO)

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