

EMTECH FOUNDATION

The Best Electronics Skill Development Company of India

Ph. 011-45614044, info@emtech.in, www.emtech.in

Training of Trainers (TOT) Program on Embedded Software Engineer Job role

Technical Sponsor- ESSCI

Technical Training Partner-EMTECH FOUNDATION

Duration: 6 Days

Timings: 9am-5pm

Max. Participants: 50

Session Details	
Day 1	C language Programming
0900-0930	Registration
0930-0950	Welcome & Introduction of FDP agenda
0950-1030	Opening Keynote address by Sh. NK Mohapatra (CEO,ESSCI)
1030-1100	Tea Break
1100-1200	Electronics sector job roles by Sh. Rakesh Mathur (VP, ESSCI)
1200-1300	Talk on WorldSkills International Standard for Electronics Skill
1300-1400	Lunch
1400-1530	Session 1: C Language Programming by EMTECH TEAM (Hands-on)
1530-1545	Tea Break
1545-1700	Session 2: C Language Programming by EMTECH TEAM (Hands-on)
Day 2	Electronics Hardware Design
0900-1000	Session 3: Hardware Design & Simulation by EMTECH TEAM (Hands-on)
1000-1030	Session 4: Embedded Systems for faculty by Piyush Channa (IIT Delhi)
1030-1100	Tea Break
1100-1300	Session 5: Hardware Design & Simulation by EMTECH TEAM (Hands-on)
1300-1400	Lunch
1400-1530	Session 6: PCB Design by EMTECH TEAM (Hands-on)
1530-1545	Tea Break
1545-1700	Session 7: PCB Design by EMTECH TEAM (Hands-on)
Day 3	Basics Embedded Systems Design
0900-1000	Session 8: Introduction to Embedded Systems by EMTECH TEAM
1000-1030	Session 9: Industrial Application-Embedded Systems by Microchip Technology
1030-1100	Tea Break
1100-1300	Session 10: Microcontroller's Architecture (8-bit PIC) by EMTECH TEAM
1300-1400	Lunch
1400-1530	Session 11: Microcontroller's Programming by EMTECH TEAM (Hands-on)
1530-1545	Tea Break
1545-1700	Session 12: Microcontroller's Programming by EMTECH TEAM (Hands-on)
Day 4	Advanced Embedded Systems Design
0900-1000	Session 13: Introduction to ARM (32-bit) by EMTECH TEAM
1000-1030	Session 14: Internet of Things (IOT) by Sh. Narang N. Kishor (Narnix Technolabs)
1030-1100	Tea Break

	1100-1300	Session 15: ARM Architecture by EMTECH TEAM
	1300-1400	Lunch
	1400-1530	Session 16: ARM Microcontroller's Programming by EMTECH TEAM (Hands-on)
	1530-1545	Tea Break
	1545-1700	Session 17: ARM Microcontroller's Programming by EMTECH TEAM (Hands-on)

Day 5 Industrial Visit-Electronics Industry

	0900-0930	Assembling at BVP college of Engineering,Paschim Vihar
	0930-1130	Departure & Travel to Gurgaon
	1130-1200	Reaching industries in 3 different groups
	1200-1330	Visit to Industries
	1330-1500	Lunch
	1500-1700	Travel & arrival at BVP College of Engineering,Paschim Vihar

Day 6 Embedded Project Design & Development

	0900-1000	Session 18: Embedded Project Design & Development by EMTECH TEAM
	1000-1030	Session 19: Talk on requirements of Embedded Engineers by Sh. Mukesh Garg (Samsung)
	1030-1100	Tea Break
	1100-1130	Session 20: Talk on requirements of Embedded Engineers by Sh. Pawan Bahl (APaul Instruments)
	1130-1300	Session 21: Valedictory and Certificate Distribution
	1300-1400	Lunch

Speaker Details:

Sh. NK Mohapatra- Presently he is CEO with Electronics Sector Skills Council Of India(ESSCI) and he is key person to support electronics skill development under SKILL INDIA Mission. He graduated from IIT Kharagpur and having 30+ industry experience in telecom sector with HFCL,BEL,Shyam Telecom etc.

Sh. Rakesh Mathur- Presently he is working as Vice President-Qualification Validation with Electronics Sector Skills Council Of India(ESSCI). He is key responsibilities areas are to do industry research,defined job standards,prepare assessment technique for providing certification. He is alumni of IIT Delhi and having 20 years of industry experience working with BEL. He was instrumental in building telecom infrastructure in India under various govt. scheme.

Sh. Narang N. Kishor- He is a Technology Consultant & Design Architect with Companies of National & International repute in diverse fields of Electronics, viz.: Power, Industrial, Semiconductor, Consumer, Telecom, Convergence, Medical and Defence. The brief experience summary

1. Over 36 years of professional experience in various aspects of design, technology, management, business & industry.
2. Over 24 years of hardcore Design and Development Experience in Systems, Products, Hardware, Software & Firmware (Embedded Software) in fields of Industrial, Power Telecom, Convergence & Consumer Electronics.

Sh. Piyush Channa - Presently he is a PHD scholar at IIT Delhi and doing core research in embedded system application design. He started his career as embedded system design engineer and then got motivated to build career in academics.

Sh. Mukesh Garg - He is project manager with SAMSUNG,a World's biggest company in consumer electronics. He has around 10 years of work experience in embedded design and development and worked on many turn-key projects for telecom,industrial automation and consumer electronics.

Sh. Pawan Bahl- He is director with Apaul Instruments,New Delhi. His company is the largest supplier of electronics equipments to railways like passenger information system,ac control systems. He has developed a great in-house research and development team for embedded design.