Foundation of System on Chip SOC Design

MCr Code: ELE/MCr-0002

Version: 1.0

NSQF Level: 4

Electronics Sector Skills Council of India || 155, 2nd Floor, ESC House Okhla Industrial Area-Phase 3 New Delhi- 110020 || email:ceo@essc-india.org

Micro Credential

Contents

ELE/MCr-0002

ELE/MCr-0002 : Foundation of System on Chip SOC Design

Description

In the System on Chip (ARM Cortex-M0) Design Foundation Course, students will learn core principles and practical skills for modern embedded system design. This intensive program focuses on SoC architectures, peripheral integration, and programming techniques essential for creating efficient embedded solutions.

Micro Credential Module Details and Duration

Training Delivery Mode		Theory (Hours)	Practical (Hours)	Total (Hours)
Blended	**Classroom Offline**	0000:00	0015:00	15:00
	Online	0015:00	0000:00	15:00
	Total	15:00	15:00	30:00

Assessment Criteria

Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Passing Percentage
45	55	-	-	100	70

Micro Credentail (MCr) Parameters

MCr Code	ELE/MCr-0002
MCr Name	Foundation of System on Chip SOC Design
Sector	Electronics
NSQF Level	4
Credits	1
Version	1.0
Minimum Educational Qualification & Experience	Pursuing 2nd year of 3-year regular Diploma (after 10th) with NA of experience OR 12th Class (or equivalent) with NA of experience OR 10th Class with 3 Years of experience OR Previous relevant Qualification of NSQF Level (Level-3) with 3 Years of experience
Pre-Requisite License or Training	NA
Last Reviewed Date	27/08/2024
Next Review Date	27/08/2029
NSQC Clearance Date	27/08/2024
Reference code on NQR	NM-04-EH-02993-2024-V1-ESSC
NQR Version	1.0