DELTA-SIGMA DATA CONVERTERS

JUNE 1-12, 2026

On-Line Course using Microsoft TEAMS

WEEK 1		**JUNE 8-12, 2026**	10 Modules (1:30hr each), 2 Modules per day		
WEEK 2		**JUNE 15-19, 2026**	10 Modules (1:30hr each), 2 Modules per day		
DAILY		**Central European Time**	**Eastern Standard Time**	**Pacific Standard Time**	**India Standard Time**
		CET	**EST**	**PST**	**IST**
Module 1		3:00-4:30 pm	9:00-10:30 am	6:00-7:30 am	6:30-8:00 pm
Module 2		5:00-6:30 pm	11:00 am -12:30 pm	8:00-9:30 am	8:30-10:00 pm
WEEK 1	**Module**				
DAY 1, Mon. June 1	1 & 2	Delta Sigma Converter Basics – Parts A & B (Module 1 + 2)			Shanthi Pavan
DAY 2, Tue. June 2	3 & 4	Delta Sigma Converter Basics – Parts C & D (Module 1 + 2)			Shanthi Pavan
DAY 3, Wed. June 3	5	Delta Sigma Converter Basics – Part E (Module 1)			Shanthi Pavan
	6	High-Level Design of CT-Delta Sigma Modulators (Module 2)			Shanthi Pavan
DAY 4, Thu. June 4	7	Discrete-Time Delta Sigma Design			David Johns
	8	Incremental and Sensor ADCs			David Johns
DAY 5, Fri. June 5	9 & 10	Low-Power Opamp Design			David Johns
WEEK 2	**Module**				
DAY 6, Mon. June 8	11	Circuit Techniques to Mitigate Flicker Noise in CTDS Modulators			Shanthi Pavan
	12	Non-Idealities in Continuous-Time DS Modulators (Module 1)			Shanthi Pavan
DAY 7,Tue. June 9	13	Design of Building Blocks for CTDSM Modulators - part 1 (Module 1)			Shanthi Pavan
	14	Design of Building Blocks for CTDSM Modulators - part 2 (Module 2)			Shanthi Pavan
DAY 8, Wed. June 10	15	Systematic Design Centering of a Practical CTDSM (Module 1)			Shanthi Pavan
	16	FIR feedback in CTDSMs (Module 2)			Shanthi Pavan
DAY 9,Thu. June 11	17	Introduction to Dynamic Element Matching and Calibration			Shanthi Pavan
	18	Cascaded Continuous-Time Delta-Sigma Converters			Shanthi Pavan
DAY 10, Fri. June 12	19	Case Studies : Part 1			Shanthi Pavan
	20	Case Studies : Part 2			Shanthi Pavan