

SEDA GCPV DESIGN COURSE DNS25-03

Duration : 8 days

Mode: F2F

Date: 21/04/2025-25/03/2025, 28/04/2025-30/04/2025

Venue: SHRDC

WEEK	DAY	DATE		Book	Start	Duration	End	Chapter	Content
1	1	21/4/2025	MON	Fundamental	9:00	0:15	9:15		Opening and course outline
					9:15	1:30	10:45	Chapter 1	Safety Practices
								Chapter 2	Basic Electricity
								Chapter 3	Introduction to Photovoltaic system
					10:45	0:15	11:00		Break
					11:00	1:30	12:30	Chapter 4	Basic Solar Engineering
					12:30	1:30	14:00		Lunch
					14:00	1:20	15:20	Chapter 5	Photovoltaic Technology
					15:20	0:15	15:35		Break
					15:35	1:25	17:00		Continue
1	2	22/4/2025	TUE	Fundamental	9:00	1:30	10:30	Chapter 6	Mounting structure
					10:30	0:15	10:45		Break
					10:45	1:45	12:30	Chapter 7	Other BOS components
					12:30	1:30	14:00		Lunch
					14:00	1:20	15:20		Continue
					15:20	0:15	15:35		Break
					15:35	1:25	17:00	Chapter 8	End of life issues
								Chapter 9	Concept of lightning protection system
1	3	23/4/2025	WED	GCPV Design	9:00	1:30	10:30	Chapter 1	GCPV system
								Chapter 2	Grid interactive inverter
					10:30	0:15	10:45		Break
					10:45	1:45	12:30	Chapter 3	Dimensioning of PV array
					12:30	1:30	14:00		Lunch
					14:00	1:20	15:20	Chapter 3	Continue
					15:20	0:15	15:35		Break
					15:35	1:25	17:00	Chapter 4	Sizing with string or central inverter
1	4	24/4/2025	THU	GCPV Design	9:00	1:30	10:30	Chapter 4	Continue
					10:30	0:15	10:45		Break
					10:45	1:45	12:30	Chapter 5	Sizing with microinverter
					12:30	1:30	14:00		Lunch
					14:00	1:20	15:20	Chapter 6	Sizing with DC optimiser
					15:20	0:15	15:35		Break
					15:35	1:25	17:00	Chapter 7	System performance and evaluation
1	5	25/4/2025	FRI	Practical	9:00	8:00	17:00	Practical exercises	
2	6	28/4/2025	MON	Practical Exam	9:00	8:00	17:00	Practical exam	
2	7	29/4/2025	TUE	Tutorial	9:00	1:30	10:30	Tutorial Fundamental	
					10:30	0:15	10:45	Break	
					10:45	1:45	12:30	Tutorial Fundamental	
					12:30	1:30	14:00	Lunch	
					14:00	1:20	15:20	Tutorial GCPV design	
					15:20	0:15	15:35	Break	
					15:35	1:25	17:00	Tutorial GCPV design	
2	8	30/4/2025	WED	Theory Exam	9:00	3:00	12:00	Theory Exam Paper B (GCPV design)	Passing mark 90%
					12:00	2:30	14:30	Lunch	
					14:30	2:00	16:30	Theory Exam Paper A (Fundamental)	Passing mark 80%