

SEDA OGPV DESIGN COURSE

Duration: 10 days

Date: 14/04/2025-25/04/2025

Venue: SHRDC

DAY	DATE	BOOK	START	DURATION	END	CHAPTER	CONTENT
1	MON	14/4/2025	Book 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
2	TUE	15/4/2025	Book 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
3	WED	16/4/2025	OGPV design	9:00	1:30	10:30	Chapter 1 OGPV system
				10:30	0:15	10:45	Chapter 2 Energy storage
							Break
				10:45	1:45	12:30	Chapter 3 Charge controller
				12:30	1:30	14:00	Lunch
				14:00	1:20	15:20	Chapter 4 OGPV inverter
				15:20	0:15	15:35	Break
				15:35	1:25	17:00	Chapter 5 Generator and battery charger
4	THUR	17/4/2025	OGPV design	9:00	1:30	10:30	Chapter 6 Matching load resource, battery and PV
				10:30	0:15	10:45	Break
				10:45	1:45	12:30	Continue
				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	Continue
5	FRI	18/4/2025	OGPV design	9:00	1:30	10:30	Chapter 7 Sizing of other BOS
				10:30	0:15	10:45	Break
				10:45	1:45	12:30	Continue
				12:30	2:00	14:30	Lunch and Friday prayer
				14:30	1:10	15:40	Continue
				15:40	0:10	15:50	Break
				15:50	1:10	17:00	Continue
6	MON	21/4/2025	OGPV design	9:00	1:30	10:30	Chapter 8 Design using all-in-one inverter
				10:30	0:15	10:45	Break
				10:45	1:45	12:30	Continue
				12:30	1:30	14:00	Lunch
				14:00	1:20	15:20	Chapter 9 Design of water pumping system without energy storage
				15:20	0:15	15:35	Break
				15:35	1:25	17:00	Continue
7	TUE	22/4/2025	Practical	9:00	8:00	17:00	Practical exercises
8	WED	23/4/2025	Practical Exam	9:00	8:00	17:00	Practical exam
9	THUR	24/4/2025	Tutorials	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 OGPV design
				15:20	0:15	15:35	Break
				15:35	1:25	17:00	Tutorial OGPV design
10	FRI	25/4/2025	Theory Exam	9:00	3:00	12:00	Theory Exam Design OGPV Part B (OGPV Design)
				12:00	2:30	14:30	Lunch & Friday prayer
				14:30	2:00	16:30	Theory Exam Design OGPV Part A (Fundamental)