

Sr. No.		Date		No. Of days	Course Module	Module No.	Presentation	Theory	Practical
		From	To						
1		1 <sup>st</sup> January 2024		1	Orientation and Introduction	NA	✓	10am to 1pm	
		2 <sup>nd</sup> Jan	4 <sup>th</sup> Jan	3	Solar Energy Scenario and Job Opportunities, NSM	NA	✓	10am to 1pm	
2		5 <sup>th</sup> Jan	6 <sup>th</sup> Jan	2	Electrical safety. Electrical Safety Rules, Simple First Aid, General Safety of tools and equipment and PPEs. Fire extinguishers, type of fire extinguishers	S-1	✓	5 Hrs	3 Hrs
		8 <sup>th</sup> Jan	10 <sup>th</sup> Jan	3	Electricity Basics	S-2	✓	8 Hrs	
3		11 <sup>th</sup> Jan	12 <sup>th</sup> Jan	2	Fundamental of Earthing system	S-3	✓	8 Hrs	
4		13 <sup>th</sup> Jan	19 <sup>th</sup> Jan	5	PV Module fundamentals, types of modules and its applications, PV components and configuration etc	S-4	✓	5 Hrs	3 Hrs
5		20 <sup>th</sup> Jan	22 <sup>th</sup> Jan	2	Introduction to Solar photovoltaics, Basic principle of photovoltaic, and technology	S-5	✓	8 Hrs	
6		23 <sup>th</sup> Jan	25 <sup>th</sup> Jan	3	PV system sizing, Series and parallel connections, temperature coefficients of current, voltage, and power fundamentals	S-6	✓	5 Hrs	3 Hrs
					Internal Exam on 23 <sup>rd</sup> January				
					Republic Day 26 <sup>th</sup> January Holiday				
7		22 <sup>nd</sup> Jan	25 <sup>th</sup> Jan	3	Performance analysis and troubleshooting monitoring of generation per string incoming and outgoing power at junction box and inverter level	S-7	✓	5 Hrs	3 Hrs
8		25 <sup>th</sup> Jan	27 <sup>th</sup> Jan	2	Requirement and uses of tools and tackles, basic knowledge of ammeter, voltmeter, clamp on meter, tong tester, irradiance sensor, temperature sensors.	S-8	✓	5 Hrs	3 Hrs
					Internal Exam on 30 <sup>th</sup> January				
9		29 <sup>th</sup> Jan	31 <sup>st</sup> Jan	2	Cable tray and cable laying Site Survey, PV Plant Execution Strategy	S-9	✓	5 Hrs	3 Hrs
10		31 <sup>st</sup> Jan	2 <sup>nd</sup> Feb	3	Battery installation and maintenance	S-10	✓	5 Hrs	3 Hrs
11		3 <sup>rd</sup> Feb	8 <sup>th</sup> Feb	5	Foundation reinforcement Structure Drawings explanation	S-11	✓	8 Hrs	
					Internal Exam on 13 <sup>th</sup> February				
12		10 <sup>th</sup> Feb	16 <sup>th</sup> Feb	5	Basics of erection of structure	S-12	✓	5 Hrs	3 Hrs
13		17 <sup>th</sup>	23 <sup>rd</sup> Feb	5	Commissioning and testing	S-13	✓	5 Hrs	3 Hrs

## SuryaMitra Training Structure

		Feb							
	Internal Exam on 20 <sup>th</sup> February								
14		24 <sup>th</sup> Feb	28 <sup>th</sup> Feb	3	Check list preparation	S-14	✓	3 Hrs	3 Hrs
	Internal Exam on 27 <sup>th</sup> February								
15		29 <sup>th</sup> Feb	2 <sup>nd</sup> March	3	Net Metering policies and installed plant case studies	S-15	✓	5 Hrs	3 Hrs
	Internal Exam 5 <sup>th</sup> March								
16		2 <sup>nd</sup> March	9 <sup>th</sup> March	6	Operation and Maintenance & Certifications	S-16	✓	3 Hrs	5 Hrs
	Internal Exam on 12 <sup>th</sup> March								
17		9 <sup>th</sup> Mar	15 <sup>th</sup> March	4	SCADA and control system Business Opportunities	S-17	✓	5 Hrs	3 Hrs
	26 <sup>th</sup> to 28 <sup>th</sup> March "Holi" Holiday								
18		16 <sup>th</sup> Mar	31 <sup>st</sup> Mar	11	Soft skills and Entrepreneurship skills	S-19			8 Hrs
19		1 <sup>st</sup> April	1 <sup>st</sup> April	1	Final Assessment by RDAT, MNRE				

Note: -

1. Trainer has to himself develop the weekly assessment papers and has to conduct the test. Checked answer sheets has to be submitted to the technical assistant or support person
2. Trainer has to use videos from All Videos folder for better explanation
3. Trainer has to make sure practical can be conducted wherever necessary/mentioned
4. Trainer can start the practical installation on 1kWp Off-Grid system in sync with its theory sessions
5. Trainers has to conduct Group Discussion after every sessions
6. Selected students have to deliver presentation on their topic of choice to the complete class
7. Trainer can add and conduct sessions on any important topics which he feels is important to be added