



**Schedule for Pre-Virtual Round ESVC'19
(Skill Development Program & Rulebook Test)**

DAY 1

TIMING	AGENDA
9:00 AM TO 9:30 AM	Inauguration Ceremony of Pre-Virtual ESVC 2018 & Introduction to ISIE
10:00 AM TO 10:30 AM	Introduction to Solar-Electric Vehicles Types of Solar-Electric Vehicles Scope of Solar-Electric Vehicles
10:30 AM TO 1:00 PM	History of ESVC & Introduction to ESVC 2019 Various Round of Event (Final Event)
LUNCH BREAK	
1:30 PM TO 4:00 PM	Brief Intro to B-Plan & Cost Report Interaction Session on Rule Book Safety & Risk Hazards
4:00 PM TO 5:30 PM	Team Formation Gantt Chart

DAY 2

TIMING	MECHANICAL SESSION	ELECTRICAL SESSION
9:00 AM to 12:00 PM	Material Selection Process.	Electrical System Layout.
	Manufacturing & Design Consideration.	Tractive System and Connection.
	Chassis Design (Solid works).	Electric Motor & Controller
	Use of Proper Pipes (Seamless).	Connection & Live Demo
	Welding Techniques.	
12:00 PM TO 1:00 PM	Usage of Standardized Part	Electric Vehicle Safety System i.e. Kill Switch, Brake over Travel Switch and other safety Features.
LUNCH BREAK		
1:40 PM TO 4:00 PM	Beam Simulation (Static/Dynamic)	Dry & Acid batteries
	Suspension Analysis (Lotus Shark)	Battery Selection Process

	Suspension Points Calculation & Suspension Geometry	Accumulator Design
	Driver Ergonomics	Battery Level Indicator
	Selection of Tyre & Wheels	Accumulator Safety, Cooling System and Fire Wall.
	Calculation	High Voltage and Wiring (Safety)
4:00 PM TO 4:30 PM	Interaction & Doubt Session	Interaction & Doubt Session

DAY 3

TIMING	MECHANICAL SESSION	ELECTRICAL SESSION
9:00 AM TO 9:30 PM	Transmission System for ESVC Vehicle	Dash Board Design and attractive Features
9:30 AM TO 12:15 PM	Steering (Theory & Calculation) Braking (Theory & Calculation)	Solar Panel Design and Fabrication Process Demo Solar Panel Fabrication
LUNCH BREAK		
1:40 PM TO 3:00 PM	Doubt Session	Doubt Session
3:00 PM TO 5:00 PM	Rulebook Test	Rulebook Test

For any query:

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