

SE Teachers - India 2015 Missions - Technical

S. No	Mission	Brief of the Mission/Training
1	Repairing & Installation of HT & LT Panels, Cable Laying and Jointing	<ul style="list-style-type: none"> • Classification / identification of the electrical equipments cables, wires and electrical accessories
2	Training on Fire, CCTV, Servers and Networking	<ul style="list-style-type: none"> • Basic Training of Security systems, how they are used in residential & commercial establishments
3	Switchgear and Protection	<ul style="list-style-type: none"> • Types & Utility of electrical disconnect switches, fuses or circuit breakers used to control, protect and isolate electrical equipment
4	Inverter & UPS	<ul style="list-style-type: none"> • Power Back Up equipments & accessories used in residential & industrial premises, Inverter Wiring & UPS installation • Practice on basic electronics circuit. Practice on different parts of inverter. Checking its faults.
5	Installation of Switches and Sockets	<ul style="list-style-type: none"> • Training on how to install switches & sockets as per the building design & requirements of the consumer
6	Checking & testing of Electrical wiring as per drawing	<ul style="list-style-type: none"> • Knowledge of Quality assurance required in Electrical works. Energy saving concept • Types of faults and method of fault findings
7	Safety Procedures	<ul style="list-style-type: none"> • Knowledge of safety precautions for self & equipments • Demonstration of fire extinguisher in electrical fire • Demonstration on personal protection
8	Solar Equipments- Maintenance and Repair	<ul style="list-style-type: none"> • Introduction to Solar Energy, knowledge about off-grid & grid interactive devices, • Installation & Maintenance of Solar off-grid systems
9	Lead Acid Battery - Maintenance	<ul style="list-style-type: none"> • Practice on identification of different parts of lead acid battery. Checking of its electrolyte. Charging practice of lead acid battery and its preventive maintenance. Testing of lead acid battery
10	Motor Control	<ul style="list-style-type: none"> • Knowledge of circuit diagram of motors & transformer • Working principle of DOL, Star Delta starter • Procedure of speed control, introduction on Variable Frequency Drives