

## ONLINE FIVE DAYS TRAINING ON SOLAR PV DESIGN, INTEGRATION , PERFORMANCE AND BUSINESS

### ABOUT PRENAC

**PRENAC** is the first training and consultancy center in the field of Renewable and Energy Management. PRENAC has well equipped lab including hands-on training platforms for off-grid and On-grid solar systems. PRENAC has experienced staff and Principal trainer is Engr. Faiz Bhutta who is TOT from RENAC Berlin, UNIDO Pakistan, HNAC Technologies China and Lorentz Academy China. He is resource person for CPD courses from Pakistan Engineering Council. He is trainer, speaker and consultant and has trained so far more than 2500 persons in Pakistan. PRENAC is now part of ETRC ( Energy Training and Research Center [www.etr.org.pk](http://www.etr.org.pk)) which is not for profit organization.

### COURSE MODULES

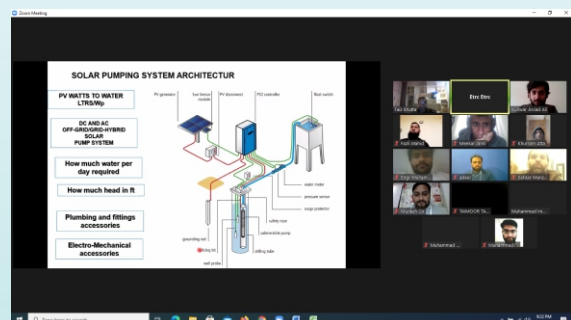
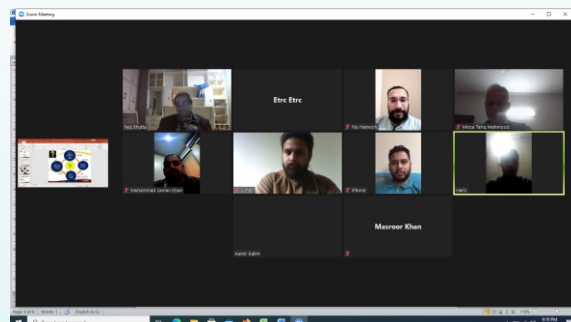
**MODULE-1 ( DAY-1) - Electricity and Solar Basics**

**MODULE-2 (DAY-2) - Solar PV System types, components and specifications ( Cells, Modules, Charge Controllers, Inverters, PV cables, batteries, protections, mounting etc)**

**MODULE-3 (DAY-03) - Solar PV System Design Practice by Manual formulas, GIZ software and Solar PV Syst software)**

**MODULE-04- (DAY-04) Safety - Protection, Quality and Business**

**MODULE -05 -(DAY-05) - Installation, Operation- Maintenance, and design practice.**



### WHO CAN ATTEND

1. Person starting new Solar Business
2. Person improving or upgrading Existing Solar Business
3. Factory Manager, Maintenance Manager and Supervisor
4. Engineers, BTECH and DAE
5. Graduates and Intermediate in search of getting job

### TRAINING CHARGES AND PAYMENT

As per advertisement

### TRAINER

Engr. Faiz Bhutta is master trainer.

### CPD

One CPD Point for PEC Registered Engineers

### TRAINING PLATFORM -ZOOM

Energy Training and Research Center

200 Main Ferozpur Road,

Lahore, Pakistan

Call at 0347-5151222 OR 0335-4047974

email: [coordinator@etr.org.pk](mailto:coordinator@etr.org.pk)

Contact at 0347-5151222 (Coordinator) and 03354047974 ( Faiz Bhutta)

Payment through online transfer only. In case of cheque or invoice, GST will be charged.



### ENERGY TRAINING AND RESEARCH CENTER

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For CPD Courses

