National Institute of Electronics and Information Technology, Aurangabad

Name of the Course : Repairing of Power Supplies and Electrical Home Appliances
Course Code : PE 102
Duration : 10 Days

Preamble:

Power supplies are extensively used in electrical and electronics and allied laboratories. These are used by students of Diploma, B.Tech and M.Tech . As students work in very rough manner so faults are developed in the power supplies. Hence periodical repairing of power supplies becomes necessary.

Various home appliance are now a days extensively used by people. Electrical Geaser, Electric Iron, Electric Stove, Refridgerator, Air Conditioner are most commonly used.Over a period faults are developed and hence repairing and maintenance are required.

Objective of the Course:

The course aims at imparting up to date knowledge to the candidates and to improve their understanding of "Repairing and Maintenance of DC Power supplies and Home appliances. Electrical Geaser, Electric Iron, Electric Stove, Refridgerator, Air Conditioner", so that they can become competent in repairing these appliances.

Outcome of the Course:

On completion of the Course, There will be increase in confidence level of candidate and the Competence of the candidate will improve in the field of repairing and maintenance of DC Power supplies and Electrical Home appliances which will help the candidate to become better technicians capable of repairing and maintenance of Electrical home appliances.

Course Structure:

The course consist of following modules as given in the table below.

(Course Duration:10 Days)

Code	***Module***	***Duration***
PE102	DC Power supplies	3 Days
	Electrical Earthing	1 Day
	Electrical Wiring	1 Day
	Electric Geaser	1 Day
	Electric Iron	1 Day
	Electric Stove	1 Day
	Refridgerator	1 Day
	Air Conditioner	1 Day

Other Contents

a. **Course Fees**: Rs 4,000/-

b. **Eligibility**:
- HSC/SSC/ITI (Electrical/Electronics)
- Candidates who have appeared in the qualifying examination and awaiting results may also apply
- On the date of counseling/admission, the candidate must produce the original mark lists up to the last semester/year of examination.

c. **Number of Seats** : 15

d. **Selection of candidates:** The candidates passed in the qualifying examination will be based on their marks obtained, subject to eligibility and availability of seats.

e. **Admission Procedure** :

Students who have been selected for test/interview/counseling/admission are required to report to the Institute on the prescribed day by 9:30 hrs along with the following

1. Attested Copies of Proof of Age, Qualifications, etc
2. Original Certificate of the above
3. Two copies of photograph and one stamp size photograph for identity card.
4. SC/ST Certificate (if applicable)
5. Income Certificate (if applicable)

The students on reaching the Institute are required to meet the Front Office Councilor (FOC). The FOC then directs the student to the Course Coordinator. The student gets the enrollment form verified by the Course Coordinator and then meets the FOC who shall direct the student to the Accounts for payment of fees. A student is thus admitted.

f. **Discontinuing the course**: No fees under any circumstances shall be refunded in the event of a student discontinuing the course. A student can however, be eligible for module certificates (applicable only for courses which provide for modular admission) which he has successfully completed provided he has paid the entire course fees.

g. **Course Timings** : 9:30 AM to 5:00 PM

h. **Course enquiries :**

Students can enquire about the various courses either on telephone or by personal contact between 9:30 A.M. to 5.00 P.M. (Lunch time 1.00 pm to 1.30 pm).

i. **Placement**: Support shall be provided

j. **Hostel facilities:**
Limited Hostel accommodation is available for boys and girls on daily or monthly chargeable basis.

k. **Canteen facilities :**
The Centre has a canteen functioning at the main campus and food at reasonable rates is available for breakfast, lunch, and dinner

l. **Lab Facilities**:
We have state-of-the-art lab facility in power electronics lab which include,
- Cathode Ray Oscilloscopes
- DC Power Supply
- Digital Multimeters
- Diodes and Transistors
- Resistors and Capacitors
- DC Voltage Regulator IC
- Soldering Iron
- Transformers
- Heat Sink
- ON-OFF Switches
- Fuses

m. **Faculty**
The centre has a team of enthusiastic and competent engineers with postgraduate qualifications who have undergone specialized training in various Universities and Industries.