



प्रसार भारती/PRASAR BHARATI

(भारत का लोक सेवा प्रसारक/India's Public Service Broadcaster)

राष्ट्रीय प्रसारण एवं मल्टीमीडिया अकादमी

NATIONAL ACADEMY OF BROADCASTING & MULTIMEDIA

किंग्सवे, दिल्ली-110009 / KINGSWAY, DELHI-110009

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Dated: 24.03.2021

To,

Whom so it may concern

Subject : One week Online training for Students of ITI (Electronic Trade) in "LED/LCDTV repairing Workshop" from 26th to 30th April, 2021.

Madam/Sir,

We are pleased to inform that an online training on "LED/LCD TV Repairing Workshop" has been scheduled for the students of ITI by National Academy of Broadcasting and Multimedia Delhi. This online training workshop is for providing expertise in LED/LCD TV repairing and the training has been designed in such a manner that it will be extremely useful to the trainees while working in the field.

This online training will be conducted on Webex online platform, participants will have to download Webex APP from Google Play store/Apple store if they want to attend meeting from mobile and Webex App for windows to attend webinar using Laptop/Desktop. Otherwise, just click the JOIN link which will be sent to the trainee and it will automatically direct them through installing the required software. Good internet connectivity is also required to attend the webinar. Training videos will be sent to participants email id after the training.

COURSE OBJECTIVE:

- Basic knowledge of LED/LCD TV .
- Detailed knowledge about circuitry and cards in (LED/LCD TV)
- Common faults in LED/LCD TV and its repairing in detail.

DURATION :

- 26th to 30th April, 2021. (Five days)(1000-1315 hrs.)

COURSE FEES:

- Rs. 1000/- per participant + GST 18%.
- Fee payment mode: the fee is payable through Demand Draft in favor of Prasar Bharati payable at New Delhi.
- Online fee for Prasar Bharati Bank Account No. 10525472189 (IFSC Code SBIN0007627), State Bank of India, Nirankari Colony, Delhi-110009
- Last date for submission of fees: the Fee should be paid before 20th April, 2021.

ELEGIBILITY:

- The participant should have done or are studying in ITI preferably in electronic trade. Recommendation from their respective institution is essential for the above course. He should have been knowledge of electronics and competence to handle electrical equipments.

For further information, Please feel to contact us through e-mail nabmctc.tt@prasarbharati.gov.in or contact Shri S.K. Goyal on **9414500048(M)**. Detailed training schedule in attached.

SCHEDULE FOR THE WEBINAR–
Online LED/LCD Television Repairing Workshop
Two lectures every day from 1000 to 1130 and 1145 to 1315 hrs

Day 1

- Basis electronics (resistor, capacitor, coil, diode, transistor, MOSFET used in LED TV). Its identification and testing.
- Block diagram of LED TV receiver.
- Explanation on parts of LCD and LED TV receiver(panel, backlight, power supply board, mother board)
- Power supply circuit diagram and its fault finding.
- LED T.V. assembling and disassembling.

Day 2

- How to use of module in switching section of power supply (DM 465, CA515)
- Fault finding in backlight driver circuit.
- How to use universal backlight driver circuits in LED TV and universal boards available in market.
- Backlight strip repairing concept.

Day 3

- Supply co-ordination with motherboard and backlight in LED TV receivers.
- Different components of Motherboard (Regulator, MCU, sound, USB, HDMI, AV), its common faults and its repairing Panel (NON HD, FHD, 4K)
- How to identify different types of TV panels. Panel testing

Day 4

- Scaler PCB and T-con board power on sequence.
- Fault finding of t con board.
- Universal board installation.

Day 5

- How to bypass Sony/Samsung TV interlocks.
- Self testing in LED TV and diagnose fault.
- Smart repairing concepts in LED TV receivers
- Soldering /de soldering of SMD components
- Doubts clearing