

About TIT:

Tripura Institute of Technology (erstwhile Polytechnic Institute), Narsingarh is located in a beautiful landscape of natural antiquity adjacent to Agartala Aerodrome which is about 12 KM away from Agartala, capital city of Tripura. The Institute through its glorified journey over a long period has been selected under TEQIP-II of MHRD for imparting quality education in the state. The institute is under the control of Education (Higher) Department, Government of Tripura and is affiliated to AICTE, New Delhi and Tripura University (A Central University).

About FDP:**OBJECTIVE**

Welding is an inevitable technology in various industries such as automobile, ship building, aeronautical, home appliances, etc. In manufacturing industry over 30% of the expenditure is spent on welding. It is also observed that the most of the failure of structure is caused due to poor welding with defects. Hence it is extremely important to study and analyze the modern and conventional welding processes. This course will also cover welding defects and inspection with their remedies to improve the weld quality. This course will also highlight safety precautions to be followed in welding. It will give fundamental knowledge of physics in various welding processes and will also highlight the importance and applications of modern welding techniques. The course will enable participants to learn finite element analysis of welded structures.

COURSE CONTENT

Outlines of the broad topics that will be covered during the course are as follows:

- Introduction of Welding
- Industrial welding drawing and symbols
- Welding edge preparation
- Welding safety
- Welding principle and power source
- Present trend in welding technology
- Welding defects and inspections
- Welding metallurgy
- Fatigue in Welding
- Finite Element Analysis of Welded Structures
- Modern Welding technologies like:

- o Friction Stir Welding
- o Activated TIG Welding
- o Magnetic Pulse Welding
- o Submerged Arc Welding
- o Plasma Arc assisted friction stir welding
- o Single and Double sided arc welding.

Eligibility :

The Faculty Development Programme is open to the technical teachers of any Engineering college/other Institutions, Engineers from Government sectors and PhD scholar. There is no course fee. No TA/DA is applicable to the participants.

Important dates :

Last date of receipt of duly filled in applications:
22-09-2016

Date of intimation regarding selection: **24-09-2016**

Communication:

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Tripura Institute of Technology
Narsingarh, West Tripura

Faculty Development Programme
On

**“Modern Scenario in Welding
Technology”**

September, 27 – 29, 2016

At

Tripura Institute of Technology

Sponsored by
TEQIP Phase II

Organized by



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