

# Technical Training Centre

Technical Training Centre (TTC) was inaugurated by Shri V. V. Giri, Governor of Uttar Pradesh on **2nd Feb-1959**

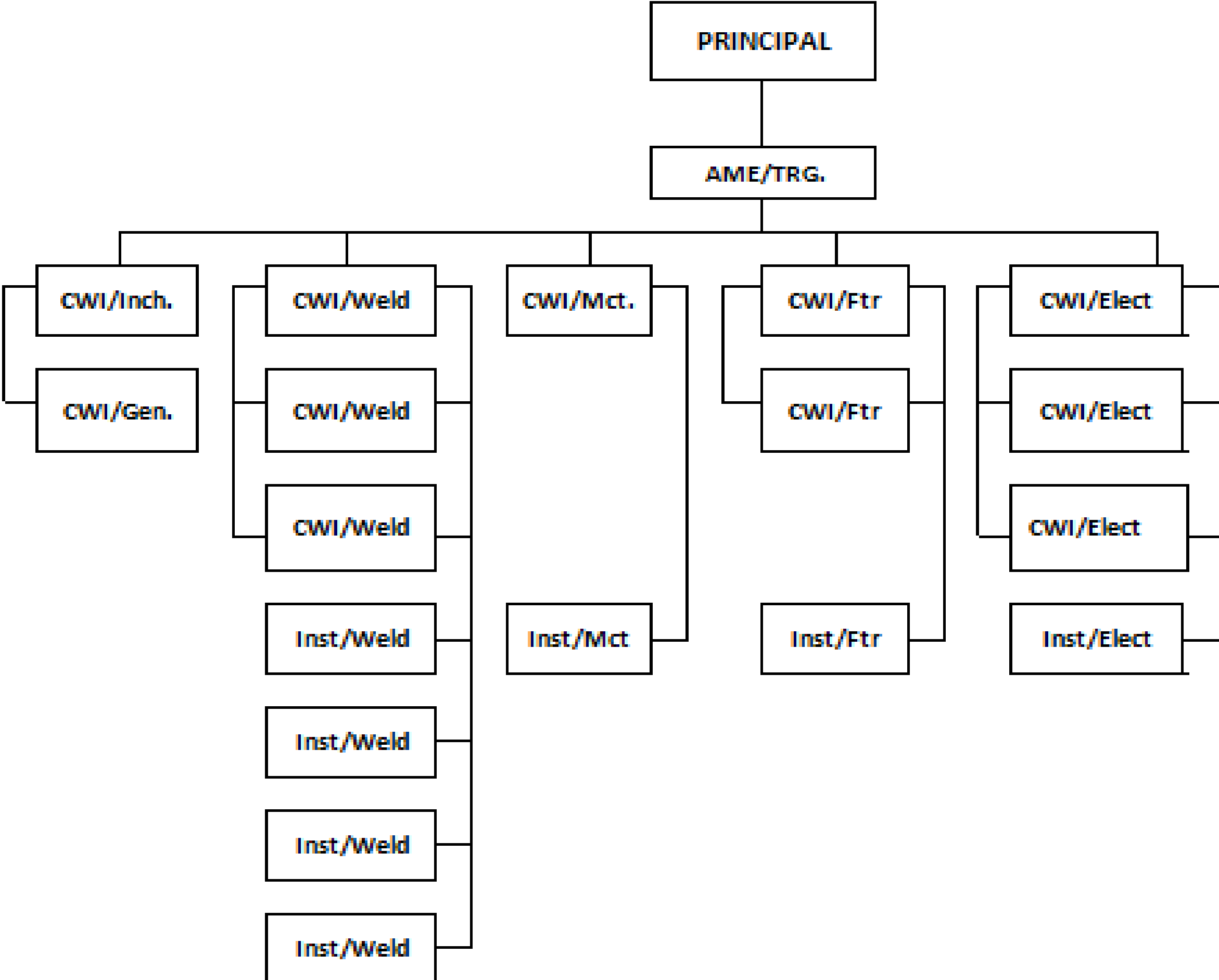
## MISSION & OBJECTIVE

Lifelong learning sustains individual and organizational development. Training and development plays a vital role in the sustenance and growth of organization.

Keeping in view the changing requirements of human resource development all out efforts are being made to impart training to Indian Railway personnel by Technical Training Centre.



# ORGANIZATION CHART OF TTC



# Main Activities of TTC

❖ In-house & out side Institutional training for BLW staff.

❖ Initial training for newly recruited supervisors, artisans (RRB, CG, sports, cultural & through promotions of BLW).

❖ Training of 1961 Act. Apprentices & Diploma/Degree engineers.

❖ Training of probationers and Zonal Railways officers, supervisors and staff.

❖ Vocational training for Diploma/Degree engineering students.

❖ 'Rail Kaushal Vikas Yojana' (RKVY) training for local youths.



# Indian Railways Welding Research Institute (IRWRI)

(Corporate Member of Indian Institute of Welding, Kolkata)

## Main Activities of IRWRI

- ❖ Training of welding professionals & Co-ordination in between regional welding training institutes viz. *AWTI-Chennai, RRWI-Bhopal, RWTI-Kapoorthala and RWTI-Kharagpur as well*
- ❖ Conducts different modules of welding courses.
- ❖ Conducts welder qualification test as per ISO:9606-I for BLW & Zonal Rly. welders.
- ❖ Welding simulator training to enhance competency of BLW welders
- ❖ Research & quality improvement activities



# Infrastructure at TTC

Number of class rooms	10 (Seating capacity 240)
Computer lab	01 (computers-20)
Weld lab	01
Electrical & electronics lab	01
Auditorium hall	01 (Seating capacity 150)
Seminar hall	01 (Seating capacity 90)
Meeting room	01 (Seating capacity 40)
Fitting, Machining & Welding workshop	01 each
Library	Approximate 1000 books are available



# Facilities in Electrical/Electronic Lab

1.	3 Phase AC motor	01 no.
2.	DC machine trainer	02 nos.
3.	Synchronous motor trainer	01 no
4.	Motor alternator set (3 panel)	01 no
5.	Three phase measurement system	01 no
6.	DC motor speed control	01 no
7.	DC power supply	02 nos.
8.	SCR speed control of universal AC/DC motor	01 no.
9.	Digital to analog converter	01 no.
10.	Analog to digital converter	01 no.
11.	Stepper motor demonstration unit	01 no.
13.	FET amplifier	01 no.
14.	Cascode amplifier	01 no.
15.	AC motor speed control/demonstrator	01 no.
16.	IC tester	01 no.
17.	Timer Application Ne/Se-555	01 no.
18.	Inverter using Transistor	01 no.
19.	Function generator	01 no.

# Facilities in Machine Shop

1.	Universal Milling Machine	01 no.
2.	Power Hacksaw	01 no.
3.	Pedestal Grinder	01 no.
4.	Slotter Machine	01 no.
5.	Shaper Machine	01 no.
6.	Lathe Machine	01 no.
7.	Horizontal Milling Machine	02 nos.
8.	CNC Turning Centre	01 no.
9.	Tool & Cutter Grinder Machine	01 no.
10.	Centre Lathe Machine	02 nos.
11.	Vertical Milling Machine	01 no.
13.	Fluid Power Trainer	01 no.
14.	Radial Drilling Machine	01 no.
15.	Pillar Drill Machine	01 no.
16.	Bend Saw Machine	01 no.

# Facilities in Fitting Shop

1.	Pillar Drill Machine	01 no.
2.	Bend Saw Machine	01 no.
3.	Bench Vice	38 nos.
4.	Leg vice	01 no.

# Facilities in IRWRI

1.	Welding Booth	11 nos.
2.	Welding Simulator	01 no.
3.	Welding Fume Extractor	01 no.
4.	MIG Welding plant	05 nos.
5.	SAW Welding plant	01 no.
6.	TIG Welding plant	03 nos.
7.	SMAW Welding plant	06 nos.
8.	Fracture and Bend test machine	01 no.
9.	Power Hacksaw Machine	01 no.
10.	Plasma Cutting Machine	02 nos.
11.	Optical Microscope	01 no.
13.	Notch cutting machine	01 no.
14.	Micro polisher	01 no.
15.	Portable type Crack Detector	01 no.
16.	Grinder	02 nos.
17.	Electrode Oven	02 nos.
18.	Micro Hardness Tester	01 no.
19.	Computerised Universal Testing Machine	01 no.