CSIR Integrated Skill Initiative

Skill Development Training Programme

17th to 19th November, 2026

Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials and Electrical Circuit Design Related to Industrial Process Control and Power Electronics Application

Participating Institute:

APC Ray Polytechnic, Jadavpur

CSIR- CGCRI

Kolkata











CSIR-CGCRI Skill Development Training Centre

196 Raja S. C. Mullick Road, Kolkata 700 032

Schedule for Skill Development Training Program

17th to 19th November, 2026

Time	Events
Day 1: 17.11.2026, Tuesday	
10:00 h - 11:00 h	Inaugural Session
11:00 h- 13:30 h	BATCH-1: Classical chemical analysis & Basic principle and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products. BATCH 2: Basic principle, operation, configuration and programming of different process controller.
14:30 h -17:00 h	BATCH-1: Basic principle, operation, configuration and programming of different process controller. BATCH-2: Classical chemical analysis & Basic principle and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products.
Day 2: 18.11.2026, Wednesday	
10:00 h -13:00 h	BATCH-1: Basic principle and application of UV-Visible Spectrophotometer and pH- Ion Selective Electrode. BATCH-2: SCR / Thyristor - Basic principle and application in the field of power electronics.
14:00 h - 17:00 h	BATCH-1SCR / Thyristor - Basic principle and application in the field of power electronics. BATCH 2: Basic principle and application of UV-Visible Spectrophotometer and pH Ion Selective Electrode .
Day 3: 19.11.2026, Thursday	
10:00 h -13:00 h	BATCH-1: Basic principle and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples. BATCH 2: Basic electrical measurements and techniques
13:30 h -16:30 h	BATCH-1: Basic electrical measurements and techniques BATCH 2:Basic principle and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples.
16:30 onwards	Question & Answer, Certificate Distribution and Group Photo