

CSIR Integrated Skill Initiative



Skill Development Training Programme

7th to 10th July, 2026

**Instrumental Methods for
Chemical Characterization of
Glass & Ceramic Materials
and
Process Control
Techniques Related to
Different Physical
Parameters Like
Temperature, Pressure,
Flow etc. and their Related
Instrumentation**

Participating Institute:

University Institute of Technology,
Burdwan University

CSIR- CGCRI

Kolkata



CSIR-CGCRI Skill Development Training Centre
196 Raja S. C. Mullick Road, Kolkata 700 032

Schedule for Skill Development Training Program

7th to 10th July, 2026

Time	Events
DAY 1: 07.07.2026	
10:30 h - 11:00 h	Inaugural Session
11:15 h- 13:30 h	BATCH-1: Classical chemical analysis & Basic principles and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products. BATCH 2: Basic principles of temperature control system, operation and programming of PID controller, testing of temperature control panel.
14:00 h -17:00 h	BATCH-1: Basic principles and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products. BATCH-2: Classical chemical analysis & Basic principles of temperature control system, operation and programming of PID controller, testing of temperature control panel.
DAY 2: 08.07.2026	
10:30 h -13:30 h	BATCH-1: Basic principle and application of UV-Visible Spectrophotometer and pH- Ion Selective Electrode. BATCH-2: Calibration of Thermocouple - Basic principles and techniques.
14:00 h - 17:00 h	BATCH-1: Calibration of Thermocouple : Basic principles and techniques. BATCH 2: Basic principle and application of UV-Visible Spectrophotometer and pH Ion Selective Electrode .
DAY 3: 09.07.2026	
10:30 h -13:30 h	BATCH-1: Basic principles and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples. BATCH 2: Basic Instrumental measurement and techniques
14:00 h - 17:00 h	BATCH-1: Basic Instrumental measurement and techniques BATCH 2: Basic principles and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples.
DAY 3: 10.07.2026	
10:30 h -13:30 h	Lab Visit
14:00-17:00 h	Questions & Answers, Certificate distribution & Group photo