

CSIR Integrated Skill Initiative



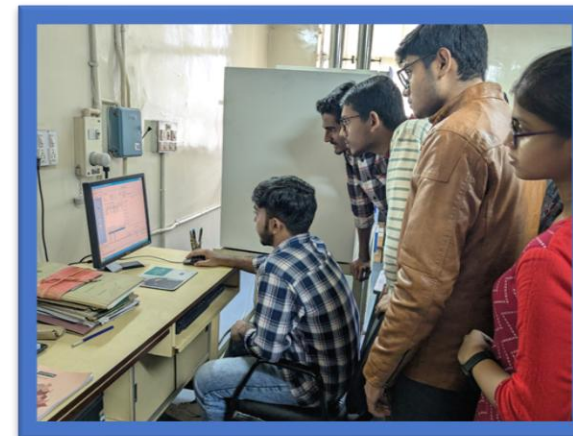
Skill Development Training Programme

18th to 21st February 2025

Instrumental Methods
for
Chemical Characterization
of Glass & Ceramic
Materials
and
Testing & Calibration
Techniques Related to
Temperature
Measurement and Control

CSIR- CGCRI

Kolkata



CSIR-CGCRI Skill Development Training Centre

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

Schedule for Skill Development Training Program

18th – 21st February, 2025

Time	Events
DAY 1: 18.2.2025, Tuesday	
10:00 h – 11:30 h	Inaugural Session
11:30 h-14:00 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.
14:30 h – 17:00 h	BATCH-1: Classical chemical analysis & Basic principles of temperature control system, operation and programming of PID controller, testing of temperature control panel. BATCH-2: Basic principles and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products.
DAY 2: 19.2.2025, Wednesday	
10:30 h -14:00 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.
14:30 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: 20.2.2025, Thursday	
10:30 h -14:00 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
14:30 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 4: 21.1.2025, Friday	
10.30 h -12.30 h	MCQ based Assessment
14.00 h- 15.00 h	Lab Visit
15.00 h - 16.00 h	Interaction with trainees and feed back
16.00 h – 17:00 h	Certificate Distribution & Group Photo