CSIR Integrated Skill Initiative

CSIR- CGCRI
Kolkata

Skill Development Training Programme

23rd to 25th April 2025

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

Schedule for Skill Development Training Program
23rd to 25th April 2025

Time	Events
DAY 1: 23.04.2025, Wednesday	
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: 24.04.2025, Thursday	
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: 25.04.2025, Friday	
10:30 h -12:30 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
13:00 h – 15:00 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.
15:00 onwards	**Assessment and certificate distribution**