CSIR Integrated Skill Initiative

Skill Development Training Programme

16th to 19th September, 2025

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

CSIR- CGCRI

Kolkata

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CSIR-CGCRI Skill Development Training Centre

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

Schedule for Skill Development Training Program

16th to 19th September, 2025

Time	Events
DAY 1: 16.09.2025, Tuesday	
10:30 h - 11:00 h	Inaugural Session
11:30 h- 13:00 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.
14:00 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: 17.09.2025, Wednesday	
10:30 h -13:00 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.
14:00 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: 18.09.2025, Thursday	
10:30 h -13:00 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
14:00 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 4: 19.09.2025, Friday	
10:30 h -13:00 h	Evaluation and Group discussion
14:00 h - 17:00 h	Certificate distribution and Group photo