

# CSIR Integrated Skill Initiative



## Skill Development Training Programme

22<sup>nd</sup> to 25<sup>th</sup> June, 2026

Training on Classical Methods of Chemical Analysis & Process Control Techniques Related to Different Physical Parameters Like Temperature, Pressure, Flow etc. and their Related Instrumentation

Participating Institute:

Haldia Institute of Technology, WB, India

## CSIR- CGCRI Kolkata



CSIR-CGCRI Skill Development Training Centre

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

# Schedule for Skill Development Training Program

22<sup>nd</sup> to 25<sup>th</sup> June 2026

Time	Events
<b>DAY 1: 22.06.2026, Monday</b>	
10:30 h - 11:00 h	Inaugural Session
11:15 h- 13:30 h	<b>BATCH-1:</b> Classical chemical analysis & Basic principles and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products. <b>BATCH 2:</b> Basic principles of temperature control system, operation and programming of PID controller, testing of temperature control panel.
14:00 h -17:00 h	<b>BATCH-1:</b> Basic principles of temperature control system, operation and programming of PID controller, testing of temperature control panel. <b>BATCH-2:</b> Classical chemical analysis & Basic principles and application of ICP-AES for determination of chemical constituents of glass, ceramic raw materials and products.
<b>DAY 2: 23.06.2026, Tuesday</b>	
10:30 h -13:30 h	<b>BATCH-1:</b> Basic principle and application of UV-Visible Spectrophotometer and pH- Ion Selective Electrode. <b>BATCH-2:</b> Calibration of Thermocouple - Basic principles and techniques.
14:00 h - 17:00 h	<b>BATCH-1:</b> Calibration of Thermocouple : Basic principles and techniques. <b>BATCH 2:</b> Basic principle and application of UV-Visible Spectrophotometer and pH Ion Selective Electrode .
<b>DAY 3: 24.06.2026, Wednesday</b>	
10:30 h -13:30 h	<b>BATCH-1:</b> Basic principles and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples. <b>BATCH 2:</b> Basic Instrumental measurement and techniques
14:00 h - 17:00 h	<b>BATCH-1:</b> Basic Instrumental measurement and techniques <b>BATCH 2:</b> Basic principles and application of Atomic absorption spectroscopy (AAS) for measurement of trace elements in glass ceramics and allied samples.
<b>DAY 4: 25.06.2026, Thursday</b>	
10:30 h -13:30 h	Lab Visit
14:00 h - 17:00 h	Questions & Answers, Certificate distribution & Group photo