

CSIR Integrated Skill Initiative Skill Development Training Programme 2023-24 on *Techniques of Chemical Characterization*



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

About CSIR

Council of Scientific and Industrial Research (CSIR) established in 1942 under Ministry of Science and Technology, Govt. of India is an autonomous Society whose President is the Prime Minister of India. CSIR an ensemble of 37 state-of-the-art institutes, 39 outreach centers, 3 Innovation Complexes, and five units with a pan-India presence. Today CSIR is amongst the foremost scientific and industrial research organizations in the world. CSIR expertise and experience is embodied in its ~ 4600 scientists and 8000 scientific and technical support personnel apart from ~ 7000 research students. Over the years, this unique organization has served as a springboard for scientific and technological activities in a wide variety of S&T domains. It has helped India usher in a scientific milieu, creating and nurturing talent in science, innovation and technology.

About CGCRI

Central Glass and Ceramic Research Institute (CGCRI) is one of the premiere laboratories set up under Council of Scientific & Industrial Research (CSIR). Even though it started functioning in a limited way in 1944, the Institute was formally inaugurated on August 26, 1950. Development of various type of glass & ceramics brought CGCRI into limelight in the international arena.

CSIR-CGCRI has vast and strong expertise in the field of traditional ceramics, glasses, refractory, water technology and materials characterization. The institute is well equipped with various state-of-the-art instruments for characterizing different aspects of glass and ceramic raw materials and products. In the recent past, CSIR-CGCRI has also developed affordable water treatment plant which can be installed comfortably in remote areas for safe drinking water. CSIR-CGCRI is constantly working in technological and skill development of the artisans engaged in the traditional terracotta products.

The Program

The main objectives of this training programme to provide training on chemical characterization of glass, ceramics and allied materials by modern instrumental techniques as well as classical analysis by using internationally accepted standard methods. The training programme will be focused on (i) advanced instrumental analysis using different instruments like UV-Visible Spectrophotometer, Atomic Absorption Spectrometer, Inductively Coupled Plasma-AES and ICP-MS methods (ii) Classical method of chemical analysis (iii) Complete chemical analysis of glasses.

Training Calendar for the Year 2023-2024
Skill development training
on
chemical characterization of glass, ceramic and allied materials

Sl. No.	Title of the course	Course Details	Duration	Eligibility	Contact Person
1	Chemical and Advanced Instrumental methods of Analysis	Advanced Training on Principle and Application of UV-Vis Spectrophotometer, Atomic Absorption Spectrophotometer, ICP-AES and Ion Meter related to characterization of Glass, Ceramic and allied materials.	2 days 14 th December and 15 th December, 2023	B.Sc./ B.Tech./M. Sc.	Dr. P.K. Sinha Senior Principal Scientist & Head, Analytical Chemistry Section. Nodal Officer, Skill Development Training Programme Mob: 9432012945 Email: cgcri.skill21@gmail.com, psinha@cgcri.res.in
2	Advanced Instrumental and Classical methods of Chemical Analysis	Advanced Training on Complete Chemical Analysis of glass, ceramics and allied samples and Application of UV-Vis Spectrophotometer, Atomic Absorption Spectrophotometer, ICP-AES and Ion Meter related to characterization of Glass, Ceramic and allied materials.	4 days, 2 nd January to 5 th January, 2024	B.Sc./ B.Tech./M. Sc.	Mr. Jyotirmay Sikdar Chief Scientist & Head, AMCCD Mob: 9958327190 Email: cgcri.skill21@gmail.com, jyotirmay@cgcri.res.in

Mode of Training: Onside Training for limited number of students - preferably 12-15 Nos. at CSIR-Central Glass & Ceramic Research Institute, 196 Raja S C Mullick Road, Jadavpur, Kolkata 700032.

Registration: Free of cost. Please fill up the attached application form and mail to the contact person at least 7 days before.

No TA/DA will be provided to the participants

CSIR-CENTRAL GLASS AND CERAMIC RESEARCH INSTITUTE(CGCRI)
Council of Scientific and Industrial Research
196, Raja S.C. Mullick Road, Kolkata- 700032



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