

NIT ROURKELA

Department of Chemical Engineering



KARYASHALA (HIGH-END WORKSHOP)

On

“HIGH-END WORKSHOP ON ELECTROCHEMICAL INVESTIGATION TECHNIQUES”

Supported by SERB, GoI Under the Accelerate Vigyan Scheme

Dates: 01st – 07th January 2024

Organized by

Department of Chemical Engineering
National Institute of Technology Rourkela,
Odisha, India – 769008

Sponsored by

Science & Engineering Research Board (SERB),
Government of India
under the Accelerate Vigyan Scheme



- NIT Rourkela is one of the institutes of national importance under the Ministry of Education, Government of India. The government of India has elevated the Regional Engineering College, Rourkela to an autonomous institution under the name of the National Institute of Technology, Rourkela.
- The vision of the institute is To become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for society and be a preferred destination for undergraduate and graduate studies.
- The mission of institute is To advance and spread knowledge in the area of science and technology leading to creation of wealth and welfare of humanity.
- The campus of the Institute consisting of the Institute buildings, halls of residence and staff colony is situated at the eastern end of Rourkela steel city, beyond Sector-1 over an area of 262 hectares of land provided by the Government of Orissa. It is a residential campus offering accommodation to faculty, staff and students. The campus has all the amenities for developing personal, social and academic skills of the student community.

Rankings - 2023

ONE STEP TOWARDS SUCCESS

16

NIRF Engg.

8

NIRF Arch.

29

NIRF Research

37

NIRF Overall

- The Chemical Engineering department at NIT Rourkela specializes in most of the modern broad areas such as modeling and simulation, computational fluid dynamics, process control, reaction engineering, transfer operations, thermodynamics, environmental engineering, biochemical engineering, nanotechnology, renewable energy and so on.
- The department is also well equipped with the sophisticated instruments such as BET surface area analyzer, TGA, HPLC, GC, nanoparticle size analyzer, surface tensiometer, contact angle meter, fluorescence spectrophotometer, etc in addition to the traditional basic equipments to boost up high quality research activity. On the other hand, computational research activity of the department is also equally strong by the help of several software such as ASPEN Plus, g-PROMS (PSE), and MATLAB. So, the strength of the department lies in its diversity and its interdisciplinary nature. The department also delighted with sponsored projects funded by different sponsoring agencies such as DST, CSIR, MOEF, MNRE, etc.
- Vision – To become an internationally acclaimed department of higher learning to address major societal issues and solve technical challenges faced by chemical and allied industries through eco-friendly technologies.
- Mission – To inculcate students with a strong fundamental knowledge; to carry out vibrant interdisciplinary research programs; to develop leadership qualities to solve scientific and environmental challenges keeping in mind the safety and ethical concerns.

Admission 2023-24



CCMN



JOSAA



CSAB



DASA



CCMT

About the Workshop

- This workshop will acquaint participants with advanced analytical techniques in electrochemistry that are related to practical applications, focusing on energy and the environment. The course will include important topics such as potentiometry, coulometry and electrochemical theories, processes and their efficiencies. This active learning and training workshop is designed to provide theoretical and practical knowledge of handling materials and techniques for efficient electrochemical analysis in laboratories, along with expert lectures by scientists from premier organizations in India.

Important Details

- Karyashala dates: 01 – 07 January 2024
- Registration Link: <https://forms.gle/rovDna1qEDZB35ob9>
- Registration Deadline: 15th December 2023
- No. of participants: 25
- Location: Chemical Engineering Department, NIT Rourkela
- Type: Offline theory and hands-on training on energy material synthesis, characterization, and device fabrication.
- Travel Expenses: Reimbursed to the selected applicants upon producing the original train tickets as per institute norms.
- Accommodation: Selected applicants will be provided lodging and boarding in the NIT Rourkela hostel by the organizers on room sharing basis.
- Certificates: All participants will get a certificate for successfully completing the Karyashala.
- ****100% attendance mandatory to claim certificate & travel.**
- ****Selected candidates list announced: 20th December 2023**

Course Faculty

- Faculties from premier institutes such as IIT Bombay, IISER Bhopal, IIT Jodhpur, NIT Rourkela, NIT Jaipur and NIT Trichy.

Guidelines

- Applications are invited from undergraduate (4th year), postgraduate, and Ph.D. students, as well as faculty members.
- Applicants should be able to present a “**No Objection Certificate**” and/or “**Studentship Certificate**” from their Supervisor or Head of the Department, affirming that the institute/department has no objections to the selection and training of the applicant.
- Only 25 candidates will be selected to participate in the workshop.
- The selection process will prioritize applicants on a “first-come, first served” basis and may consider other criteria determined by the committee.
- No registration fee is applicable, and boarding and lodging will be provided.

FOR REGISTRATIONS:

- Registration Link:

<https://forms.gle/rovDna1qEDZB35ob9>



For further queries, please contact:

Karyashala coordinator:

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