

Chirasree Centre for Sustainable Infrastructure Development (CCSID)
Indian Institute of Engineering Science and Technology, Shibpur, Howrah, 711 103

Advertisement for the position of a Research Associate/Scientific Officer

Position: Research Associate/Scientific Officer at Chirasree Centre for Sustainable Infrastructure Development (CCSID).

Chirasree Centre for Sustainable Infrastructure Development (CCSID)

The CCSID is a multidisciplinary centre, and interested faculty members from the Engineering, Science, Management, and Humanities Departments (including centres and schools) of this institution will be associated with the Centre for research, training, and education purposes. It was established in 2025 with the help of an endowment from an esteemed alumnus of this Institution.

CCSID is seeking a dynamic and accomplished researcher to serve as the ***Research Associate/Scientific Officer***

Research Associate/Scientific Officer

This will provide an opportunity to be associated with a centre of multidisciplinary research in sustainability and technological innovation, with a particular emphasis on clean energy systems, next-generation energy storage, transmission, and carbon capture, utilisation, and storage technologies. The centre is expected to drive innovation in eco-friendly building materials, development of sustainable solutions for greening steel and cement, self-healing cement, high-performance additives, and waste utilisation. Furthermore, the CCSID will focus on climate-induced disaster mitigation and adaptation strategies. This includes risk modelling, resilience-building approaches, and energy-efficient infrastructure design. The centre is dedicated to creating low-cost, sustainable solutions for underserved populations, aligning with the "Frugal Revolution." The Centre is committed to setting the research agenda, attracting top talent, securing funding, and strengthening industry and academic partnerships.

The stated position will assist the centre director to provide strategic direction, foster interdisciplinary collaboration, and drive impactful research programs that contribute to national and global scientific progress.

Key Responsibilities

Apart from pursuing his own research in line with the centre's research focus, key responsibilities of the stated position will be assisting the centre director in various activities of the centre, as follows:

- Strategic planning and execution of the centre's research activities
- Coordinate with the faculty members associated with CCSID in developing research and development proposals
- Cultivate partnerships with academic, government, and industry stakeholders
- Oversee grant acquisition, budgeting, and reporting
- Promote a culture of research excellence and innovation

Qualifications

- PhD in Engineering/Science with at least two years of post-doctoral experience from reputed Institute(s).
- Excellent research record with high-quality international journal publications and or patents.

- Desirable research expertise in sustainability and technological innovation, with a particular emphasis on the stated research focus of the centre, e.g. clean energy systems, next-generation energy storage, transmission, and carbon capture, utilisation, and storage technologies, building materials (eco-friendly materials, greening steel, cement, cementitious materials, high-performance additives, waste utilisation, nanotechnology, self-healing or smart cements to mitigate its environmental impact, climate-induced disaster mitigation and adaptation strategies, etc.
- Proven success in securing competitive research funding will be an added advantage.
- Good communication, networking, and team-building skills are desirable

Tenure and Benefits

- Consolidated remuneration of Rs. 70000 per month with a provision of yearly increment.
- The tenure of appointment will be initially for 3 years, with an annual appraisal
- Either party (the Research Associate/Scientific Officer or the Centre) may end the association with 30 days' prior written notice.

How to Apply:

Please submit (single pdf) a detailed CV (and ORCID link), academic credentials, cover letter (scanned copy), and a statement elucidating your suitability for the position to dean.research@iiests.ac.in with a copy to ccsid@iiests.ac.in.

Selection will be done by a selection committee. The applicants will be requested to interact with the committee.

For enquiries, contact: dean.research@iiests.ac.in or ccsid@iiests.ac.in

Last date of receipt of application: 10 days from publication of the advertisement in IEST website

Sd/-

Dean (R&C)