

FACULTY RECRUITMENT

Assistant Professor

Centre for Sustainable Energy and Circularity | Circularity Specialist

Location
Ahmedabad, Gujarat

Application Deadline
29 July 2026

ABOUT THE ROLE

Centre for Sustainable Energy and Circularity (CSEC) at NAMTECH invites applications for the position of **Assistant Professor – Circularity Specialist**. The role combines applied research, experiential learning, curriculum development, and industry collaboration to advance circular economy solutions for manufacturing and resource-intensive industries. The successful candidate will contribute to research, teaching, and innovation while working closely with IIT Roorkee and industry partners including ArcelorMittal Nippon Steel India (AM/NS India) and NTPC.

KEY RESPONSIBILITIES

- Lead applied research in one or more areas including circular and scrap-based metals, critical mineral and battery recycling, industrial symbiosis, waste valorisation, life-cycle assessment (LCA), and eco-design.
- Design, develop, and deliver undergraduate and postgraduate courses in Circular Economy, Sustainable Manufacturing, Resource Efficiency, and related subjects.
- Develop and deliver Executive Development Programmes (EDPs), certificate programmes, and industry training for professionals from manufacturing and allied sectors.
- Supervise industry-embedded capstone projects, dissertations, and research scholars in collaboration with IIT Roorkee faculty.
- Develop collaborative research proposals and secure sponsored research funding from government agencies, industry, and international organisations.
- Publish high-quality research in peer-reviewed journals and pursue patents and technology transfer opportunities where appropriate.
- Build partnerships with industry, government bodies, and research organisations to strengthen the Centre's circularity initiatives.
- Represent CSEC at technical conferences, policy forums, and stakeholder engagements related to circular economy and resource efficiency.

ELIGIBILITY CRITERIA

Ph.D. in Materials Science, Environmental Engineering, Chemical Engineering, Industrial Ecology, Sustainability, Resource Recovery, Circular Economy, or a closely related discipline.

Minimum **3–5 years** of post-Ph.D. experience in teaching, applied research, industry, or a combination thereof.

Demonstrated industry exposure through consulting, collaborative research, technology development, or employment in manufacturing, metals, mining, recycling, waste management, or allied sectors.

Proven record of peer-reviewed publications, patents, and/or successful industry projects in relevant circularity domains.

DESIRABLE

- Experience in scrap-based or circular steelmaking.
- Expertise in battery recycling, e-waste recycling, or critical mineral recovery.
- Experience in fly ash, slag, industrial by-product utilisation, or waste valorisation.
- Experience in Life Cycle Assessment (LCA), eco-design, industrial ecology, or industrial symbiosis.
- Experience in developing experiential learning programmes or plant-based learning modules.
- Prior collaboration with steel, mining, cement, or other resource-intensive industries.
- Demonstrated success in securing competitive research funding or managing sponsored research projects.

SKILLS AND COMPETENCIES

- Strong applied research capability in circular economy and sustainable manufacturing.
- Curriculum design and experiential teaching excellence.
- Technical writing, scientific publishing, and proposal development.
- Project planning and research programme management.
- Collaboration with academia, industry, and government stakeholders.
- Leadership in multidisciplinary and industry-driven research initiatives.
- Effective communication and stakeholder engagement.

How to Apply

Interested candidates may submit their resume to:

dhara.shah@namtech.ac

Last Date to Apply: 29 July 2026