CALL FOR APPLICATIONS

OPEN RANK FACULTY POSITIONS

School of Health Environment & Sustainability Studies (SHESS), TCG CREST, Kolkata

School of Health, Environment & Sustainability Studies (SHESS), TCG CREST invites applications for the various position(s) of Professor/Associate Professor/Assistant Professor/Professor of Practice/Postdoctoral fellow.

About the University

TCG CREST (Centres for Research and Education in Science and Technology), an initiative of The Chatterjee Group, is a multidisciplinary, research-driven institution recognised by the Ministry of Education and the University Grants Commission (UGC), Government of India, as a Deemed to be University under the 'Distinct Category – Research' (Gazette Notification No. 21, May 24–30, 2025). Established in 2020 as a cluster of advanced research centres (IAI, CQuERE, CHINTA, RISE, CARE, and FTSI) in the mathematics and natural sciences, TCG CREST has rapidly evolved into a university grounded in research excellence, innovation, and global relevance.

The university currently comprises the following schools:

- Natural Sciences
- Mathematics and Computer Sciences
- Humanities and Social Sciences
- Health, Environment & Sustainability Studies

TCG CREST follows a research-first academic model, with programmes beginning at the postdoctoral, PhD, and postgraduate levels, and undergraduate programmes to be introduced in subsequent phases.

About the School (SHESS)

The School of Health, Environment & Sustainability Studies (SHESS) at TCG CREST is an interdisciplinary, research-intensive academic unit committed to advancing translational science for population health and sustainability. It is designed to be focused on translational research, analytically rigorous, data-driven, technology-centric, biologically grounded, and strongly aligned with national development priorities. We seek accomplished academic leaders who can help shape a distinctive, impact-oriented, sustainable population health improvement policy and programme that leverages AI-driven health data-science analytics, frugal health tech innovation, climate science and health, health equity, and medical social anthropology, including health economics.

Positions Available (Open Rank)

- Professor
- Associate Professor
- Assistant Professor
- Professor of Practice
- Postdoctoral Fellow

Appointments will be made on a rolling basis until positions are filled.

Priority Research Areas

We are seeking candidates with expertise in one or more of the following or similar key research areas:

Frugal HealthTech Innovation, including assays and sensors

- Diagnostic assays and biomarker detection
- Biosensors (electrochemical, optical, and semiconductor-based)
- Point-of-care and paper-based diagnostics
- Microfluidics and lab-on-chip systems
- Wearable and continuous monitoring devices
- Embedded systems and low-cost medical device engineering
- Rapid prototyping and scalable device design
- Nanomaterials and functional materials for sensing
- Low-cost fabrication and manufacturing methods
- Translational medical device development
- Clinical validation and regulatory science for devices

Public Health Policy & Sustainability

- Data-driven public health and policy analytics
- Disease modelling (communicable & non-communicable diseases)
- Digital health and health technology integration
- Biological foundations of disease and population health
- Implementation science and health programme evaluation
- Health systems and policy translation
- National health priorities and population health strategy
- Environment and Health

Artificial Intelligence in Healthcare

- Computer-aided diagnosis and clinical decision support
- Medical imaging and biomedical signal analysis
- AI for disease detection, prediction, and risk assessment
- Intelligent and autonomous systems in healthcare
- Digital health and AI-enabled monitoring systems
- Integration of AI into clinical and healthcare environments

Health Data Science & Modelling

- Epidemiology and population health research
- Biostatistics and statistical methodology
- Clinical trials and real-world evidence studies
- Analysis of biomedical, clinical, and multi-modal datasets
- Environmental and climate-related health data analysis
- Health systems, public health, and policy-relevant data science
- Interdisciplinary work bridging data science, clinical research, and public health is particularly encouraged.

Eligibility Criteria:

TCG CREST will adhere to the rules and regulations laid down by the UGC in handling the faculty recruitment.

- A PhD from a reputed institution in a relevant or allied discipline with relevant research, academic and professional experience. (Candidates nearing submission may be considered for Postdoctoral/Assistant Professor roles)
- Strong record of academic research and peer-reviewed publications
- Orientation in interdisciplinary academic work and professional activities
- Experience in postgraduate teaching and PhD supervision (applicable for faculty positions)
- Interest in developing collaborative, real-world research initiatives.

**Distinguished professionals with MD/PhD or equivalent qualifications and demonstrated leadership in industry, policy, or healthcare systems are encouraged to apply for Professor of Practice and other roles.

Desirable Attributes (Across Levels)

- International research exposure and collaborations
- Experience in interdisciplinary programme development
- Industry or translational research engagement
- Track record in innovation, patents, or startups
- Ability to build teams and mentor early-career researchers
- Engagement with global and national policy priorities

Key Responsibilities

Responsibilities will be decided through mutual discussion and will be aligned with the candidate's expertise and career stage, and may include:

- Leading high-impact research programmes
- Supervising PhD and postgraduate students
- Teaching advanced interdisciplinary courses
- Building academic, industry, and policy collaborations
- Contributing to innovation, patents, and translational outcomes
- Securing competitive external funding

Application Process:

Applications will be submitted via email along with:

- A cover letter
- A detailed curriculum vitae
- A brief statement (within 1000 words) of ongoing and planned research
- A brief statement about the semester courses you may design and teach
- Sample of one recent peer-reviewed publication, a journal article or book chapter
- Names of two referees, with their institutional designations and contact details.

Please send the complete application to **info@tcgcrestdtbu.ac.in**
Subject line: "**Application for SHESS**"

Selection Process:

- Applications for all faculty positions and postdoctoral fellowships will be on a rolling basis.
- A first round of shortlisting of applications will be done by end-April 2026.
- The selection process will involve the presentation of a seminar, followed by an interview, which can be held either in-person or online.

**TCG CREST as an institution is committed to encouraging applications from women, members of minority communities, and others underrepresented in academia.

Why Join SHESS at TCG CREST?

Joining the School of Health, Environment & Sustainability Studies (SHESS) at TCG CREST offers a unique opportunity to help shape a next-generation interdisciplinary research school at its formative stage. As a research university, TCG CREST is deeply committed to advancing translational research and innovation that addresses real-world challenges, supported by emerging research infrastructure and growing national and international collaborations. Faculty members and researchers benefit from a dynamic academic environment, competitive compensation, and strong institutional support for building impactful research programmes.

Located in Salt Lake, Kolkata — one of the city's key academic and innovation hubs — TCG CREST is embedded within a vibrant ecosystem of reputed schools, hospitals, and cultural institutions such as the Eastern Zonal Cultural Centre. Kolkata itself has long been recognised as one of India's foremost intellectual and cultural capitals, with a rich legacy of nurturing global leaders across science, literature, economics, medicine, and humanitarian work. The city's association with multiple Nobel Laureates reflects a deep-rooted tradition of excellence and inquiry. Being part of this ecosystem offers an inspiring environment where scholarship, creativity, and societal impact converge — empowering faculty to contribute meaningfully to both national priorities and global challenges.