

## Post Name

## Professor/ Associate Professor/ Assistant Professor- School of Science (Research Cadre)

### Introduction

GSFC University is incorporated under the Gujarat Private Universities (Second Amendment) Act 2014. The vision behind establishing this distinct University is societal development through relevant and cutting edge knowledge in frontier areas of professional growth. GSFC-U presently offers courses in Engineering, Science, and Management with major emphasis on skill development and producing industry ready manpower.

As GSFC University enters its next phase of growth, it is strengthening its research ecosystem in alignment with the vision of Viksit Gujarat and Viksit Bharat 2047, guided by the principles of the National Education Policy 2020.

We invite applications from motivated researchers and innovators eager to contribute to impactful research, interdisciplinary collaboration, and scientific advancement.

### Roles & Responsibilities

- Execute high-impact research within specialized domains to advance the university's scholarly reputation and societal contribution.
- Disseminate findings through consistent publication in prestigious, peer-reviewed journals and high-ranking academic platforms.
- Identify and secure competitive external funding by drafting robust proposals for national and international bodies, including DST, DBT, CSIR, ICMR, SERB, ISCCR, ANRF, and private industry partners.
- Spearhead interdisciplinary collaborations to address complex challenges through multi-faceted research approaches.
- Mentor and supervise PhD scholars, providing technical guidance and academic oversight to ensure high-quality doctoral output.
- Active participation in Research Advisory Committees (RAC) to monitor scholar progress and maintain rigorous academic standards.
- Drive innovation by identifying patentable outcomes and managing the filing of intellectual property rights.
- Forge strategic partnerships with industry leaders to facilitate applied research, technical consultancy, and technology transfer.
- Lead the organization of international conferences, specialized workshops, and professional training programs.

- Advise on the development of state-of-the-art research infrastructure and the evolution of institutional research policies.
- Undertake any other academic or administrative responsibilities as assigned by the Provost or Dean to support the university's strategic objectives.

## Qualification

Ph. D in a relevant/allied subject from an Indian University, or an equivalent degree from an accredited foreign university.

## Research Areas

- A. **Dept. of Chemical Sciences:** Green Chemistry & Sustainable Chemical Processes, Sustainability Analytics, Chemical Safety & Risk Analytics, Materials Science & Informatics, Environmental Nanotechnology, Energy Nanomaterials.
- B. **Dept. of Life Sciences:** Drug Discovery & Medicinal Chemistry (CSR, Lead Optimization, Translational Research), Industrial Biotechnology & Biopharmaceuticals ( Fermentation, Biosimilars, Bioprocessing ), Sustainable Agriculture and Bioinputs (Biofertilizers, Biopesticides, Soil Health), Plant Tissue Culture of Endangered Medicinal Plants, Nanotechnology & Advanced Materials (Nanomedicine, Nano-enabled Drug Delivery, Nanosensors)
- C. **Data Science:** Artificial Intelligence & Machine Learning, Big Data Analytics & Cloud Computing, Statistical Modelling & Predictive Analysis

## Research Profile:

- **Publications:** Proven track record in high-impact SCI/Scopus-indexed journals.
- **Funding:** Experience in managing funded projects, patents, or industrial consultancy.
- **Collaboration:** Strong exposure to interdisciplinary and collaborative research environments.

## Experience

Minimum of 3 years of Teaching or Research or Industry experience.

## Skills

- In-depth mastery of the subject matter and research methodologies.
- Proficiency in drafting robust grant proposals and technical reports.
- Excellent oral and written English communication and presentation skills.
- Strong interpersonal skills with an ability to work in multi-disciplinary teams.
- Creative thinking, patience, and effective time management.

## Reporting

Provost,GSFCU

<b>Remuneration</b>	Competitive pay commensurate with skills, qualifications, and market trends.
<b>Other Benefits</b>	<ul style="list-style-type: none"> <li>● Group Mediciclaim &amp; Personal Accident Insurance.</li> <li>● Treatment at GSFC Medical Center (as per terms).</li> <li>● Gratuity as per statutory norms.</li> </ul>
<b>Selection Procedure</b>	<p><b>Stage 1 - Written Ability Test</b></p> <p>HR will conduct a written ability test of all present candidates. As a part of the procedure, you will be required to write an application/Essay/Paragraph on a given topic. This test shall comprise a weightage of 50 marks which will be required to be completed in 20 minutes. This test is to analyze the content for grammar, punctuation, and handwriting. The committee will assess the content at the time of the selection process.</p> <p><b>Stage 2 –Personal Interview</b></p> <p>Interviews of the short listed candidates will be conducted by the committee members.</p> <p>HR shall also share Case Study/Assignment through mail in advance. The candidate is expected to complete the given case studies in PPT form and submit the same in advance or on the interview date. This case study is specially designed to gauge the candidate’s skills, competencies &amp; how he/she approaches tasks and solves emerging issues relevant to his/her field.</p> <p>The solved case study will be extensively discussed with the committee members during the interview (if required).</p> <p><b>Stage 3- Demo Lecture:</b></p> <p>Selected candidates from the Personal Interview round shall be invited to give Demo Lecture for approx.30-35 minutes in front of the committee members as well as the existing faculty members and students. Syllabus or topics shall be shared with candidates in advance.</p>
<b>Tenure of Appointment</b>	The shortlisted candidate shall be given a regular appointment of 5 years. Initially, he/she will be on a probation/observation period of 1 year. The appointment may be extended/ renewed based upon the assessment of performance in accordance with the Performance management policy i.e. API for Teaching staff.
<b>Location</b>	Vadodara, Gujarat.