

01 About the School

The Galgotias University School of Basic Sciences (SBS) offers a dynamic learning environment in Physics, Chemistry, Mathematics, and emerging interdisciplinary areas such as Climate Change, Sustainability, Green Hydrogen, Statistics, and Data Science. With 110+ accomplished faculty, modern laboratories, and research-driven teaching, SBS provides UG, PG, and PhD programmes aligned with NEP 2020.

Backed by 2500+ publications, 50+ patents, funded research projects, and global collaborations, SBS blends academic excellence with hands-on learning to prepare students for successful careers in research, industry, and higher education.

02 Program Overview

The SBS Multidisciplinary Research Internship (SBS-MRI) is a structured academic and research-oriented program designed to provide undergraduate and postgraduate students with hands-on exposure to scientific research, laboratory practices, and interdisciplinary problem-solving.

The program aims to bridge the gap between theoretical learning and practical application by engaging students in ongoing research projects across various disciplines within the School of Basic Sciences.

10 Certification

Internship certificate will be provided after its successful completion.

Program Overview:

Hands on training, Research exposure, Skill Development in emerging areas of research.

11 Collaboration Opportunities

- ❖ Industry/Research labs and institutions
- ❖ Inter-university collaborations

12 Mode of Selection

First come first serve basis

13 Internship Window

June-August and December-January

CONTACT US

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SBS
MULTIDISCIPLINARY
RESEARCH INTERNSHIP
(SBS-MRI)

- ❖ Data Science
- ❖ Renewable Energy
- ❖ Nanotechnology
- ❖ Nanoscience

09 Eligibility Criteria

Undergraduate (2nd year onwards)/
Postgraduate students.

10 Venue

School of Basic Sciences, Galgotias
University, Greater Noida



06 Duration Options

- ❖ 2 Weeks
 - Research methodology and innovation basics
 - Hands-on laboratory/computational training
 - Exposure to Data Science, Nanotechnology, and Renewable Energy
 - Mini-project and presentation
- ❖ 4 Weeks
 - Advanced experimental and analytical techniques
 - Multidisciplinary project-based learning
 - Simulation, data analysis, and technical tools exposure
 - Scientific writing, IPR, and technical presentation
- ❖ 6 Weeks
 - Specialized training in advanced technologies and instrumentation
 - Independent/guided research project
 - Product innovation, publication, and patent awareness
 - Final report, presentation, and viva voce

07 Mode

- ❖ Offline (Lab-based)
- ❖ Hybrid (Lab + Data Analysis/Simulation)

08 Focus Areas

- ❖ Semiconductor Devices
- ❖ Optoelectronics
- ❖ Materials Science
- ❖ Analytical Chemistry
- ❖ Computational Modelling

03 Vision

To cultivate a strong research culture among students by fostering innovation, critical thinking, and interdisciplinary collaboration in basic sciences.

04 Mission

- ❖ To provide experiential learning through real-time research exposure
- ❖ To develop analytical, technical, and scientific writing skills
- ❖ To encourage multidisciplinary research collaboration
- ❖ To prepare students for higher studies, innovation, and industry readiness

05 Objectives

- ❖ To provide practical exposure to industrial, laboratory, research, or professional environments.
- ❖ To bridge the gap between theoretical concepts and practical applications.
- ❖ To enhance analytical, technical, research, and communication skills.
- ❖ To promote innovation, interdisciplinary learning, and professional ethics.
- ❖ To improve employability and research aptitude among students.