BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

IIT-G launches 4-Year Bachelor of Science programme in biomedical science and engineering

22 April 2025 | News

Programme will include learning in collaboration with AIIMS Guwahati and NIPER Guwahati



The Indian Institute of Technology, Guwahati (IIT-G) has announced the launch of its new four-year Bachelor of Science (BS) Programme in Biomedical Science and Engineering. The programme will be offered by the Jyoti and Bhupat Mehta School of Health Sciences and Technology (JBMSHST) at IIT Guwahati.

A key highlight of the programme will include the collaborative learning experience with All India Institute of Medical Sciences (AIIMS) Guwahati and the National Institute of Pharmaceutical Education and Research (NIPER) Guwahati.

Sharing his thoughts on the programme, Prof. Devendra Jalihal, Director, IIT Guwahati, said, “This interdisciplinary programme brings together engineering, medical sciences, and pharmacology on a single platform, addressing the need for professionals who can work across disciplines to tackle future challenges. As the problems of tomorrow will not fit into traditional silos, this program is designed to bridge those gaps. Supported by the Mehta Family Foundation and reviewed by leading experts from IIT Guwahati, AIIMS Guwahati and NIPER Guwahati, it is set to be a pioneering initiative."

The application process for the programme will begin on 25th April 2025 and will remain open until 25th May 2025.

The programme will offer a strong academic foundation with comprehensive coursework spanning pre-clinical, para-clinical, and clinical domains. Students will gain hands-on skill development through specialised engineering modules designed to bridge the gap between technology and healthcare.

A key feature of the programme is the clinical immersion experience, where students will have the opportunity to interact with leading surgeons and medical practitioners. Additionally, the curriculum boasts a cross-institutional learning framework in collaboration with AIIMS Guwahati and NIPER Guwahati to ensure exposure to diverse perspectives in biomedical science and engineering.

From a career perspective, graduates of the program will find opportunities across a wide range of domains, including bioinstrumentation, biomedical devices, pharmacology and therapeutics, bioinformatics, and artificial intelligence, as well as research and development in health technology.