

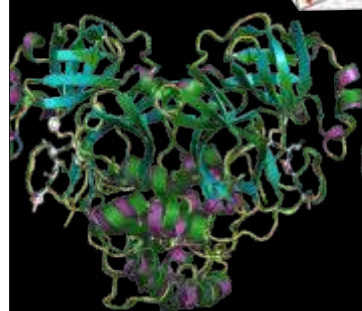
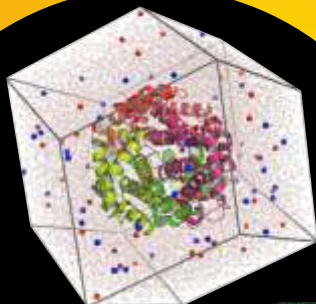


GSFC
UNIVERSITY

EDUCATION RE-ENVISIONED
An ISO 9001:2015 Certified

M.Sc (BIOINFORMATICS)

SCHOOL OF SCIENCE





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ABOUT GSFC UNIVERSITY

GSFC University, established by the GSFC Education Society, is acknowledged under the Gujarat Private University (Second Amendment) Act of 2014. This institution is an initiative of Gujarat State Fertilizers and Chemicals Ltd, a longstanding industrial leader with over six decades of history, aimed at perpetuating its commitment to serving the community in diverse capacities. The University's distinct vision is centered on fostering societal advancement through the dissemination of pertinent and innovative knowledge in emerging fields critical for professionals. Our educational abode dwells on the philosophy of "Buddhi Gyanen Shudhayanti". It means purification of mind and intellect through knowledge which is vital to human life. It strengthens the path of success towards perfection. All the while being compassionate towards mankind and society at large.



VISION

GSFCU strives to be the best compact boutique institution with a futuristic approach, encouraging student centric culture and sharpened focus on developing industry ready & employable students with all-round development



OUR MISSION

- Establish an institution, which promotes creativity and innovation
- Develop unique quality standards for academic excellence and pedagogical innovations
- Remain agile through learning ecosystem with flexible processes & systems
- Holistic growth for industry readiness

M.Sc (BIOINFORMATICS)

The Master of Science in Bioinformatics is a two-year postgraduate professional course, spanning four semesters, with the option to receive a PG diploma upon completion of the second semester. The course primarily aimed for students from diverse sections of science to understand various biological processes, design new drugs etc by harnessing the power of the computer Technology. The course is designed to make the graduate students ready for exciting careers in post genomic era. High end computation and computational modelling would drive the biological research to new heights in the future making this course more relevant in this era.

Bioinformatics, is an interdisciplinary field of science that is at the interface of biology, chemistry and computer sciences. This field of science develops methods and software tools for storing, retrieving, organising and analysing biological data, by combining computer science, statistics, mathematics to study and process biological data. Mapping, measuring and engineering of molecules, cells, tissues and organs, bio-machines and biocomputing would show their impact on various fields like health, agriculture, consumer goods and energy effecting societies and economies. This course would not only cover the technical aspects of bioinformatics but also emphasize on imparting practical skills that would cater to the needs of next generation of industries and startups.



ELIGIBILITY

Bachelor's degree in any life science discipline like **B.Sc. Biotechnology/Agriculture/ Life Sciences, Honours, Pharmacy (BPharm), B.Tech.(Computer sciences, Biomedical Engineering, Biotechnology).**

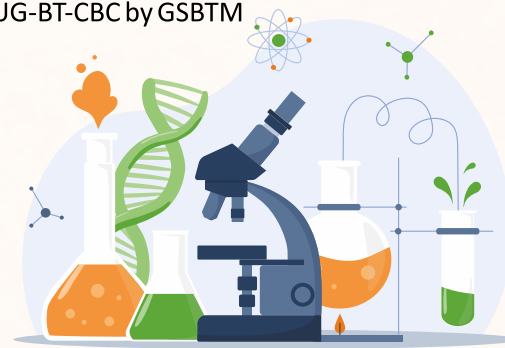


CAREER OPPORTUNITIES

- Bioinformatics Scientist/Researcher
- Computational Biologist
- Bioinformatics Analyst
- Biomedical Informatician
- Bioinformatics Software Developer
- Genomic Data Scientist
- Computational Systems Biologist
- Academic/Industry Educator

SPECIAL FEATURES

- Internships in every semester offer practical experience and insights into the industry
- The curriculum incorporates a Choice Based Credit System (CBCS)
- PG diploma as an exit option at the end of the second semester
- Our program imparts vital skills in data analysis, programming, and computational biology
- Hands-on projects and real-world case studies, students gain practical experience in handling large-scale biological data and extracting meaningful insights
- Recognized as UG-BT-CBC by GSBTM





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Anviksha, Fertilizernagar, Vadodara

For more information,
Call us at 0265-3093740/+91 75730 02444 or
log on to www.gsfcuni.edu.in



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