GUJARAT'S NO. 1 PRIVATE UNIVERSITY

QS WORLD UNIVERSITY RANKINGS ASIA 2026

353 QS ASIA RANK

nirf Ranked Amongst India's Elite All INDIA TOP UNIVERSITY 150

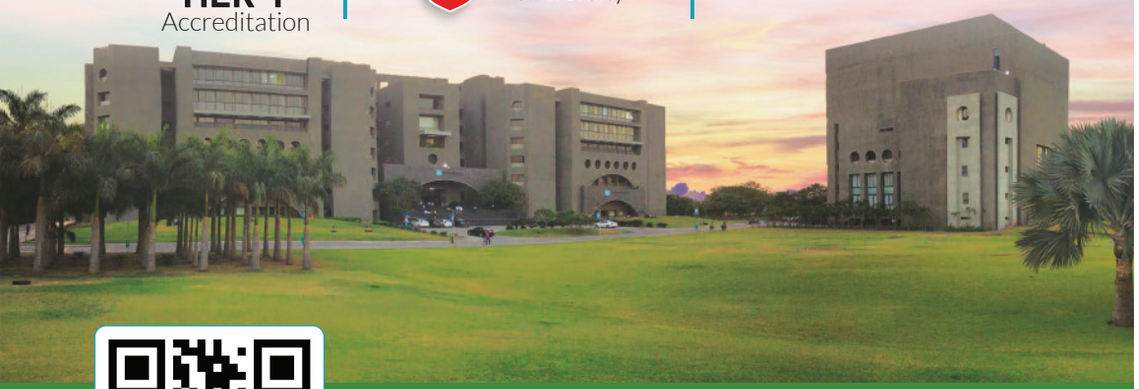
All India Top 100-125 PHARMACY

All India Top 200-300 ENGINEERING

NBA NATIONAL BOARD OF ACCREDITATION TIER-1 Accreditation

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL A+ Accredited University

CoE Centre of Excellence By Govt. of Gujarat



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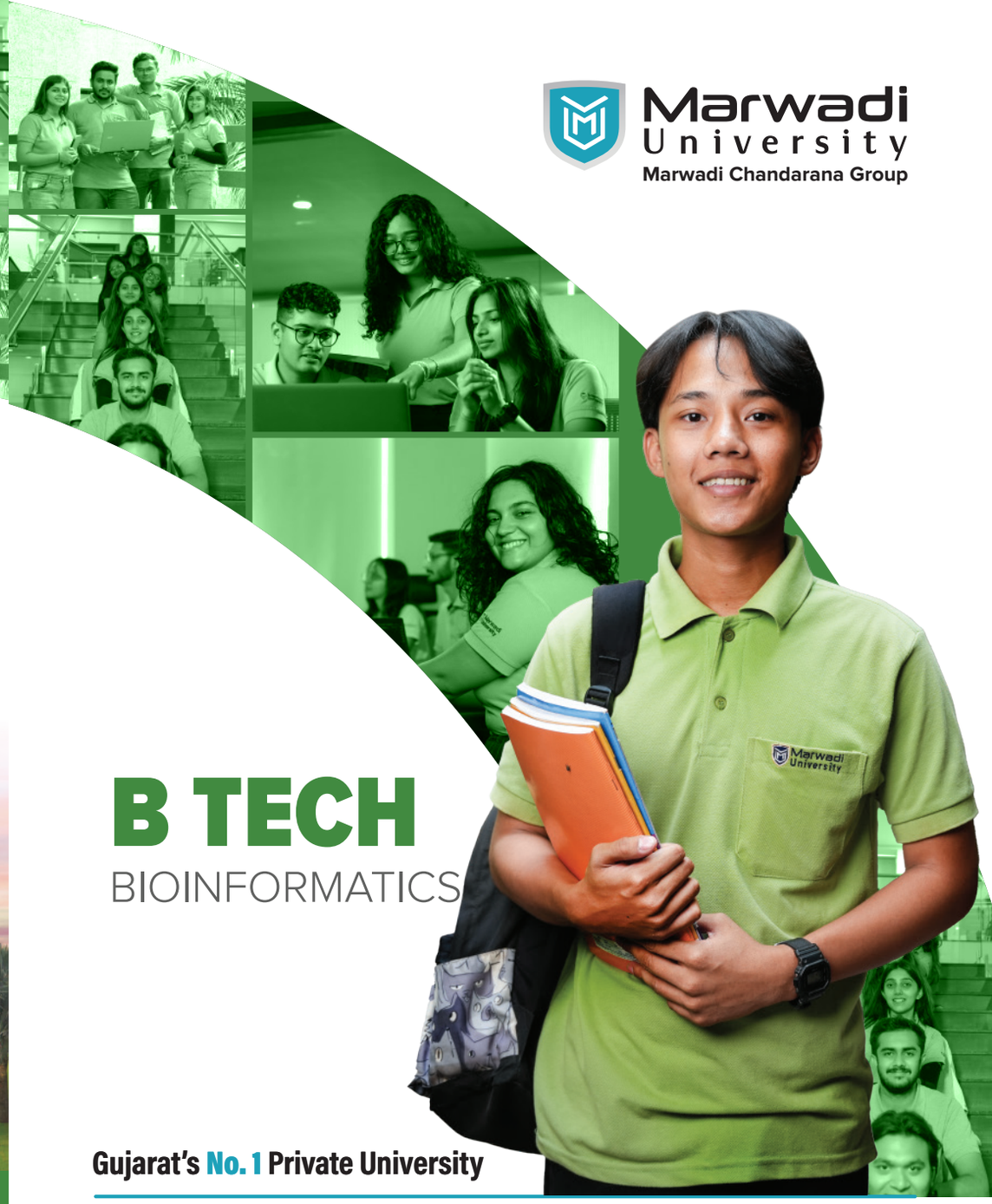
Rajkot-Morbi Road, 360003 Gujarat, India

Marwadi University

Marwadi Chandarana Group



B TECH

BIOINFORMATICS

Gujarat's No. 1 Private University

QS WORLD UNIVERSITY RANKINGS | nirf | NBA NATIONAL BOARD OF ACCREDITATION | NAAC

Our Excellence, Validated by Top Ranking Authorities

INTRODUCTION TO **PROGRAMME**

The BTech Bioinformatics discipline is a comprehensive **four-year undergraduate degree program** designed to equip students with the skills and knowledge required to analyze/interpret modern biological data using cutting-edge computer science, information technology, artificial intelligence, and machine learning techniques. This interdisciplinary course delves into advanced genomic, transcriptomic, proteomic, and metabolomic data from different biological sources, as well as computer-aided drug discovery for the betterment of society with the aid of computer science.

The course is ideal for students interested in computer science, biotechnology, drug discovery, cancer biology, medical devices, artificial intelligence, and machine learning. Students will gain proficiency in various computer programming languages, algorithms, and computational techniques pertinent to bioinformatics. After Completing the course, students can pursue career options in Hospitals, Pharmaceutical companies, IT companies, Agricultural sector, Molecular Pathology Labs and organizations that develop biological databases, bioinformatics softwares, as well as in the education sector.

ELIGIBILITY **CRITERIA**

- Student seeking admission to this course need to qualify for the 10+2 level in science stream from any recognized educational board with Biology or Maths as the main subject.
- Students securing at least 50% marks in the qualifying exam are eligible for this course. NEET marks are is not required

AREAS OF **RECRUITMENT**

After completing the BTech Bioinformatics course, students can seek jobs in any of the following areas

- **Genome sequencing companies**
- **Pharma companies**
- **Research Institutions**
- **Academia**
- **Molecular pathology lab**
- **IT Industry**
- **Agriculture**
- **Hospitals**

JOB **POSITIONS**

- **Bioinformatics Scientist**
- **Genetic Counsellor**
- **Molecular Biologist**
- **Software Developer**
- **Biostatistician**
- **Bioinformatician**
- **Data Scientist**
- **Educator**
- **NGS Data Analyst**
- **Database developer**
- **Computational Biologist**
- **Scientific officer**
- **Bioinformatics Programmer**

ANNUAL **PACKAGE**

5-12 Lakhs / Year

TOP **RECRUITERS**

Below is the list of some renowned companies that recruit Bioinformaticians