



# Msc COMPUTATIONAL BIOLOGY AND BIOINFORMATICS (By Research) Yenepoya (Deemed to be University)



## About Yenepoya (Deemed to be University):

Yenepoya (Deemed to be University) is a UGC-approved university (under Section 3(A) of the UGC Act 1956) located in the picturesque and cosmopolitan city of Mangalore. It is accredited with an A+ grade by NAAC and ranked 85th in the 2023 NIRF rankings (university category). It offers a wide range of undergraduate and postgraduate courses, ranging from dentistry to data sciences.

## About Yenepoya Research Centre:

The Yenepoya Research Centre (YRC) was established in 2008 to serve as a central research support system for the constituent colleges of Yenepoya (Deemed to be University). YRC has state-of-the-art facilities to support high-quality research in interdisciplinary and multidisciplinary areas to meet contemporary challenges. YRC hosts more than 25 faculty members specializing in diverse domains such as Data analytics and bioinformatics, Systems biology and Molecular medicine, Microbiology, and Cancer research, to name a few.

## Highlights of the MSc Computational Biology and Bioinformatics (By Research):

- Research centre is well-equipped with laboratories and computational resources.
- Integrates principles from biology, computer science, and statistics to analyze and interpret biological data using computational methods.
- Course covers a wide range of topics, including molecular biology, genetics, genomics, proteomics, algorithms, statistics, data mining, machine learning, and programming languages.
- Students will learn how to integrate computational techniques with biological knowledge to analyze large-scale biological datasets, model biological processes, and make predictions.
- Students will gain advanced technologies, software tools, and high-performance computing infrastructure for data analysis, modeling, and simulations.
- Students will receive hands-on training and apply computational methods to real-world biological problems under supervision of experienced research faculty and industry professionals
- Student may have chance to present research work in national and international conferences and may get peer-reviewed publication in reputed international journal.

**ADMISSION  
OPEN**  
for  
**2024 - 2026**

## ELIGIBILITY

Bachelor's degree  
(B.Sc, B.Tech, BCA, etc.)  
in any branch of science/  
engineering/medicine,  
with minimum of 55% total  
marks/equivalent CGPA.

## Scope of the Program/Employment opportunities:

The graduates of this program will have diverse career opportunities to work in the following roles:

- NGS data analyst
- Programmer specializing on AI/ML applications in life sciences and medicine
- Data analyst in the Multi-Omics domain
- Bioinformatician in Pharmaceutical, Biotechnology companies & Government agencies
- Pursuing further higher education (PhD programs in India & abroad)
- Teaching roles at academic institutions

For more information on the programme and admission, contact:



**YENEPOYA RESEARCH CENTRE**  
YENEPOYA (DEEMED TO BE UNIVERSITY)  
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University Road, Deralakatte, Mangalore-575018.



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