



**UNIVERSITY OF NORTH BENGAL**  
**OFFICE OF THE REGISTRAR**  
Accredited by NAAC with Grade A

समानो मन्तः समितिः समानी

**ADMISSION TO POSTGRADUATE DIPLOMA COURSE IN BIOINFORMATICS (Session 2021-2022)**

Applications are invited from candidates having BSc (Hons.)/ BTech or Master's Degree in any branch of Science for admission in one year Postgraduate Diploma in Bioinformatics (PGDBI) Course. For details please visit University's website: [www.nbu.ac.in](http://www.nbu.ac.in)

**Advt. No. 43 /R-2021 Dated: 04.10.2021**

**Registrar (Offg.)**

**Last Date 1st  
Nov, 2021**



ENLIGHTENMENT TO PERFECTION

**University of North Bengal**

Accredited by NAAC with Grade A

**POST GRADUATE DIPLOMA COURSE  
IN BIOINFORMATICS**

**PROSPECTUS**

Session: 2021-2022

**Department of Bioinformatics**

University of  
North Bengal  
Raja

Rammohunpu  
r, Siliguri

Dist-Darjeeling, West Bengal-734013

**Phone: 0353 2699117**

## POST GRADUATE DIPLOMA COURSE IN BIOINFORMATICS

### Course Brief:

The course depicts the fundamental concepts and methods in Bioinformatics, an emerging Inter Disciplinary Field which is often considered a junction between biology and computational sciences. Data intensive, large-scale biological problems are addressed from a computational point of view. The course covers the principles and methods used to search and analyze DNA, RNA and proteins, cast as biological "sequences". The course explains why they can give us answers to fundamental biological questions important to fields such as Cell Biology, Biochemistry and Medical science. The important public data databases that provide details of biological systems and components will be discussed. It reviews a wide range of topics including open resources in bioinformatics, computational sequence analysis, sequence homology searching, gene finding and genome annotation, protein structure analysis and prediction, genomics, proteomics, phylogenetic analysis, biological databases, Drug Designing. It serves a gateway course for all life science students.

### Objective of the Course:

- a) To cater the Faculty requirements of various Universities and Colleges.
- b) To benefit the students of this and other Universities with the aim of strengthening ongoing University research in the frontier areas of life sciences.
- c) To address the challenges arising from the huge amount of genomic, proteomic, transcriptomic etc. data
- d) To fulfill needs of the industry for the manpower with the specific skills sets related to Bioinformatics and Genomics.
- e) To professionally train candidates in such a way that help them to get absorbed in Biotechnology, Pharmaceutical & Life Sciences Companies

### Faculty:

The teachers and instructors include faculty from the University Departments, Research Institutes and renowned scientist and Industry based R&D professionals.

### Duration of the course:

The total duration of the course is **1 year** (2 semesters of 6 months each).

### Class hours:

Generally, the theoretical classes commence at 10.30 A.M. The timings and lecture schedule may change under special circumstances.

### Medium of instruction:

English shall be the medium of instruction for all the subjects of study for examinations.

### Age limit:

For Admission, preference will be given to the candidate up to 28 years of age as on June 1 of the year

### Fees Structure:

Rs. 10,000/- per semester

### Application Fees:

Rs 150/- (One hundred fifty) for General Students and Rs 75/- for SC/ST/OBC students in form of bank draft in favor of – “ **University of North Bengal**” payable at Siliguri

**Seat Reservation:**

Seat reservation as per the Govt. Rules. Other policies regarding admission will be as per the Admission policy of the University

**Selection Procedure:**

There will be no entrance examination this year. Selection will be based on marks obtained in graduation.

*For more information, please contact:*

**Department of Bioinformatics**

(Phone: 0353-2699117; Mobile: +91-9434106590 , +91-7011456880)

Or visit: [www.bicnbu.in](http://www.bicnbu.in); [www.nbu.ac.in](http://www.nbu.ac.in)

**PROCEDURE FOR APPLICATION:**

Interested candidates may complete the Application form given below and send it to the under noted address along with self attested mark sheets / testimonials along with the bank draft of application fees:

**The Head of the Department**

**Department of Bioinformatics**

UNIVERSITY OF NORTH BENGAL  
P.O. NORTH BENGAL UNIVERSITY

Raja Rammohunpur,  
SILIGURI - 734013

Dist. Darjeeling, PIN: 734013 (WB)

**Last date for receipt of Application: 1<sup>st</sup> November, 2021**

Cost of Application Rs. 150.00 (General) and Rs. 75.00 (SC/ST/OBC) to be submitted in form of bank draft in favor of “**University of North Bengal**” payable at Siliguri

**Published by:**

*The Registrar*

University of North Bengal  
Phone: (0353) 2699099 (O)

# University of North Bengal

Department of Bioinformatics  
RajaRammohunpur, Siliguri 734013

Please affix Passport  
Size Photograph  
here

## Application for Post Graduate Diploma in Bioinformatics (2021-2022)

\*Name

\*Mother's Name

Father's Name

\*Nationality

\*Gender  Female  Male \*Date of Birth

\*Social Category  General  SC  ST  OBC

\*Address (Present)

  
  

\*Address (Permanent)

  
  

\*Phone (mobile)  Alternative Phone

\*E- mail

Name of the college and/or University last attended

Registration No. and year of registration

\* *Mandatory Field*

**\*Academic Qualification (HS onwards)**

<i>Examination</i>	<i>Board/ University</i>	<i>Year</i>	<i>Subject</i>	<i>Division/ Class</i>	<i>Percentage</i>

**\*Declaration:**

I,  declare that all the statements made in this application form are true, complete and correct to the best of my knowledge and belief and nothing has been concealed or distorted. I understand that in the event of any information being found false or incorrect at any stage, my candidature/admission is liable to be cancelled/terminated without notice.

**Date:**

**Place:**

\_\_\_\_\_  
\*Signature

Filled in form along with self attested testimonials /mark sheets along with bank draft may be submitted within the due date to:

**The Head of the Department**  
**Department of Bioinformatics**  
University of North Bengal  
RajaRammohunpur, SILIGURI  
Dist. Darjeeling, PIN: 734013 (WB)  
Phone: (0353) 2699117 (O)  
[URL:www.nbu.ac.in](http://www.nbu.ac.in)

\* *Mandatory Field*