



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

ENLIGHTENMENT TO PERFECTION

**ADMISSION TO POSTGRADUATE DIPLOMA COURSE IN BIOINFORMATICS (Session 2020-2021)**

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. 356/R-2020 Dated: 09.12.2020**

**Registrar**

**The proposed dates of PGDBI admission are as follows:**

Date of Advertisement: 9<sup>th</sup> December, 2020

Date of issue of Admission form: 9<sup>th</sup> December - 28<sup>th</sup> December, 2020

Last date of receiving forms: 28<sup>th</sup> December, 2020

Date of publication of List: 29<sup>th</sup> December, 2020

Date of Admission: 30<sup>th</sup> December, 2020 to 8<sup>th</sup> January, 2021

Date of commencement of class: 11<sup>th</sup> January, 2021



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**University of North Bengal**

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# POST GRADUATE DIPLOMA COURSE IN BIOINFORMATICS

## **PROSPECTUS**

Session: 2020-2021

### **Department of Bioinformatics**

University of North Bengal  
Raja Rammohunpur, 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).

### Method of selection:

Selection of candidates is solely based on merit, there will be no entrance examination.

### 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. May be paid by bank draft in favor of "University of North Bengal" or at University Cash counter.

**Total Seat and Reservation:**

Total number of seats is 20. Seat reservation as per the Govt. Rules. Other policies regarding admission will be as per the Admission policy of the University

*For more information, please contact:*

Department of Bioinformatics

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

Email : [bifnbuinfo@gmail.com](mailto:bifnbuinfo@gmail.com)

Or visit: [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 requisite enclosures and bank draft or pay the amount in cash at the cash counter of the University.

**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: 28<sup>th</sup> December, 2020**

N.B.

- (a) Incomplete or irregular or late applications will not be considered.
- (b) A candidate who fails to appear at the written test will not be considered.
- (c) The University has the right not to select a person who is considered to be unfit.

**Particulars to be submitted:**

- (i) Self Attested true copies of all Mark Sheets and Certificates.
- (ii) Certificates from competent authority in case of ST/SC/OBC-A/ OBC-B)
- (iii) Color photograph at appropriate space

**NOTE: Those intending to submit the application Form by downloading from NBU website ([www.nbu.ac.in](http://www.nbu.ac.in)) are required to enclose a bank draft of Rs. 150.00 (for general candidates) or 75 .00 (for SC/ST/OBC candidates) in favor of the “University of North Bengal” or pay the amount in cash at the cash counter of the University.**

**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 (2020-2021)

\*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 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*