



UNIVERSITY OF NORTH BENGAL

OFFICE OF THE REGISTRAR

Accredited by NAAC with Grade B++

সমানো মন্ব: সমিতি: সমানী **ADMISSION TO POSTGRADUATE DIPLOMA COURSE IN BIOINFORMATICS (Session 2022-2023)**

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

Advt. No. 108/R-2022 Dated: 21.11.2022

Registrar (Offg.)

**Last Date
Nov, 28, 2022**



ENLIGHTENMENT TO PERFECTION

University of North Bengal

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POST GRADUATE DIPLOMA COURSE IN BIOINFORMATICS

PROSPECTUS

Session: 2022-2023

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 “sequence”. 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 scientists 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 the form of a bank draft in favour 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. Selection will be based on marks obtained in graduation.

For more information, please contact:

Department of Bioinformatics

(Phone: 0353-2699117; Mobile: +91-9898609230, +91-9434106590 , +91-7011456880)

Or visit: <https://nbu.ac.in/dept/bioinformatics.aspx>

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,
Dist. Darjeeling, PIN: 734013 (WB)

Last date for receipt of Application: 28th November, 2022

Cost of Application Rs. 150.00 (General) and Rs. 75.00 (SC/ST/OBC) to be submitted in the form of a bank draft in favour 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 (2022-2023)

*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

*Email

Name of the college and/or University last attended

Registration No. and year of Registration

* Mandatory Field

***Academic Qualification (HS onwards)**

Examination	Board/ University	Year	Subject	Division/ Class	Percentage

***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 if any information is 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 a 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*