

**UNIVERSITY OF NORTH BENGAL
OFFICE OF THE REGISTRAR**

Accredited by NAAC with Grade 'A'



ENLIGHTENMENT TO PERFECTION

ADMISSION TO POSTGRADUATE DIPLOMA COURSE IN BIOINFORMATICS

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: www.nbu.ac.in; www.bicnbu.in.

Advt.No. 106/R-18 , Dated:10.08.2018

Registrar

**Last date 24th
August, 2018**



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University of North Bengal

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POST GRADUATE DIPLOMA COURSE IN BIOINFORMATICS

PROSPECTUS

Session: 2017-18

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).

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. 20,000/- for the whole Course (for 2 semesters).

Application Fees:

Rs 150/- (One hundred fifty) for General Students and Rs 75/- for SC/ST/OBC students

Seat Reservation:

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:

Prof. Arnab Sen

Coordinator, Department of Bioinformatics (Phone: 0353 2699117; Mobile: 9434307487)

Dr. Subarna Thakur

Email: bifnbuinfo@gmail.com (Mobile: 9434106590)

Or visit: www.bicnbu.in; 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 a self-addressed envelope:

The Registrar

UNIVERSITY OF NORTH BENGAL
P.O. NORTH BENGAL UNIVERSITY

Raja Rammohunpur,
SILIGURI - 734013

Dist. Darjeeling, PIN: 734013 (WB)

Last date for receipt of Application: 24th August, 2018

Those intending to submit the application Form by downloading from NBU website (www.nbu.ac.in) are required to enclose a bank draft of Rs.150.00 (General) and Rs. 75 (SC/ST/OBC) in favour 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)

Cost of Form Rs. 150.00 (General) and Rs. 75.00 (SC/ST/OBC)

University of North Bengal

Department of Bioinformatics
RajaRammohunpur, Siliguri 734013

Please affix Passport
size Photograph here

Application for Post Graduate Diploma in Bioinformatics (2018-2019)

*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 Registrar
University of North Bengal
RajaRammohunpur,
SILIGURI - 734013
Dist. Darjeeling, PIN: 734013 (WB)
Phone: (0353) 2699099 (O)
[URL:www.nbu.ac.in](http://www.nbu.ac.in)

** Mandatory Field*