



Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH
(UNIVERSITY OF DELHI, NORTH CAMPUS)



University Enclave, Delhi- 110007

Dr. B.R. Ambedkar Center for Biomedical Research (ACBR) came into existence in March 1991 with the foundation stone laid by the then Hon'ble Prime Minister of India Sh. Chandra Shekhar ji, on the occasion of the birth centenary of Baba Saheb Dr. B.R. Ambedkar. The mandate of the Centre is high quality postgraduate education and research in Biomedical Sciences. The institute also has provision for doctoral and postdoctoral training to young scientists at the start of their research career to gain the skills and insights in frontier areas of Biomedical Sciences.

ACBR is a unique center under the University of Delhi where a multi-speciality group of scientists work as a cohesive team and participate in active teaching and research. The absence of formal departmental setup provides an excellent environment where each faculty is free to interact with each other and contribute to better teaching and research in the complementary areas. The emphasis of research investigations has been mainly on chemistry and biology and is being carried out in some of the frontline areas of basic and applied biomedical sciences such as Drug Discovery and Drug Development, Medical Biotechnology, Molecular Modeling and DNA Diagnostics, Molecular Oncology, Immunology, Genomics & Proteomics, Medicinal Chemistry, Cancer Genetics, Human Genetics and Neuropharmacology. Within a small span of time, ACBR has earned its name and fame both at National and International level.

Bioinformatics Centre (BIF Centre)

Bioinformatics Facility was created at ACBR in the year 2003 with purchase of Molecular Modeling software Insight II, GCG, TSAR from Accelrys. Later on, since 2006, the facility is being funded and supported by Department of Biotechnology (DBT), Govt. of India. The primary objective of this facility is to promote biology teaching and understand its different aspects computationally through bioinformatics. It provides services to the host faculty and other neighbouring institutions of higher education in terms of retrieval of online and offline biological databases, bioinformatics software and tools for facilitating biological research particularly in the area of mining genomes and functional analysis, phylogenetic analysis, database development, Molecular Modeling and drug design and other fields of Bioinformatics. In addition to above, various events are periodically organized to give hands-on trainings on various aspects of application of bioinformatics tools and molecular techniques in

biological research. ACBR since 2008 has consecutively organised workshops for the better understanding of different modules of drug design tools. These workshops trained approximately more than 300 participants from different universities over the period of time in the field of bioinformatics and its applications in computer aided drug design.

To continue this learning, Bioinformatics Centre (Funded by DBT, Govt. of India) at ACBR is offering a **“POST-GRADUATE DIPLOMA IN BIOINFORMATICS, COMPUTATIONAL BIOLOGY AND DRUG DISCOVERY”** from the session 2022-2023. This is a one-of-a-kind course being offered for the first time by the University of Delhi.

Brief detail about the course is as follows-

The objective of this course programme is to impart knowledge and train students to address problems related to modern genomics applications, big data analytics and drug discovery, especially using ML and DL based techniques.

According to the recent increase in skilled experts in this field, the training programme will offer possibilities to work in conjunction with industries for practical training purposes.

The duration of the course will be **ONE YEAR** and will comprise of **TWO SEMESTERS** along with compulsory **DISSERTATION/INTERNSHIP**.

Total No. of seats: 10

Seat Matrix:

Category	GEN	SC	ST	OBC	EWS	Total
No. of seats	4	1	1	3	1	10

Fees: 20,000/-

Eligibility for the course: The candidate must be Graduate in the appropriate field of Science - B.Tech./ B.Sc. in Biomedical Sciences/ Microbiology/ Life Sciences/ Botany/ Zoology/ Chemistry/ Food Science/ Food Technology/ Biotechnology/ BE/ B. Pharma/ MBBS/ BDS/ BHS/ BUMS/ BAMS or any other related discipline.

Mode of admission- Through the Entrance Examination conducted by NTA for admission to M.Sc. (Biomedical Sciences) for the current Academic year (2022-23)*.

* This is valid for the current academic year only.

- ❑ **Mode of application:** Candidates qualifying in the examination for admission to M.Sc. Biomedical Science Course at ACBR will be contacted after the declaration of the merit list by NTA. They will be required to fill out a Google form available on www.acbu.edu.

SCHEDULE OF ADMISSION FOR ACADEMIC YEAR 2022-23

Commencement of Online Registration of Applications	23rd November 2022
Last date for submission of Online Admission Forms	07th December 2022 (Tentative)
Notification of Final Result and First Merit List	To be announced
Payment of Fee	To be announced
Notification of Second Merit List	To be announced
Payment of Fee	To be announced
Orientation	To be announced
Commencement of classes	To be announced

For more detail about the course structure and syllabus, please visit the link below-

http://du.ac.in/uploads/new-web/13092022_Appendix-147.pdf

or visit the ACBR website- <http://acbrdu.edu/>

Google form link- <https://forms.gle/UdgXmJ7aXqerwFv48>

or scan the QR CODE


