



# Placement Brochure

2008 - 2009

## Dual Program in Bioinformatics

**BIOINFORMATICS INSTITUTE OF INDIA**

**Contact Details:**

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## **ABOUT BII:**

Established in 2002 Bioinformatics Institute of India (BII) is a reputed and globally recognised institution for imparting quality education and training in the emerging disciplines of Bioinformatics, Clinical Trials, Pharma Regulatory affairs, Pharma Quality Assurance and Control, Drug Design and Patenting, IPR and Biotechnology etc.

Working professionals from hundreds of reputed companies and students from elite institutes have participated and benefitted from our programs. BII is proud to have participants from more than 40 countries in these programs. Till date more than 5000 professionals have joined and benefitted from BII Bioinformatics Program.

## **BII Initiatives**

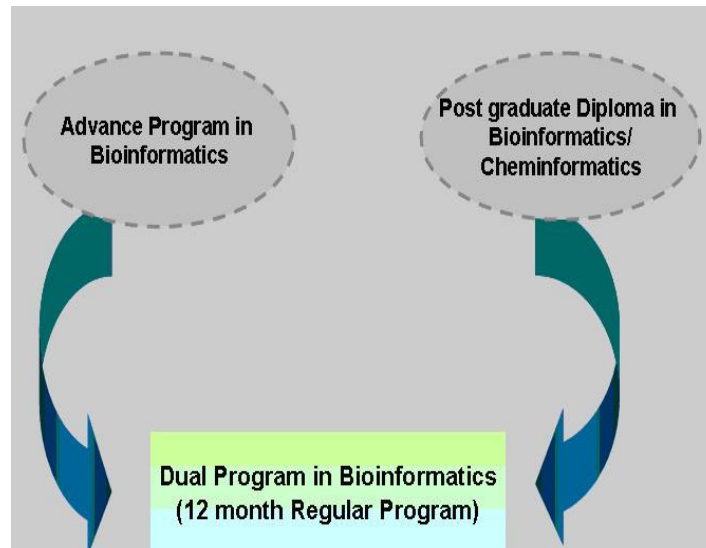
- Classroom Programs
- Student Project & Trainings
- Publications – Training Material, Books, Journals, Industry Directories
- Multimedia and Video Based Corporate Training Kits
- Distance participation Programs
- e-learning Programs
- Workshops and Seminars
- Corporate Trainings

## **Facilities at BII**

- Well equipped classrooms
- Well equipped Library
- Modern Computer Lab. Computers upgraded with various Bioinformatics tools and softwares.
- Specialized Course Material
- University Management System ERP AADYA-EDUTM

**Dual Program in Bioinformatics**  
**Advanced Program in Bioinformatics**  
**(6 Months BII Classroom Program)**  
+  
**PG Diploma in Bioinformatics/Cheminformatics**  
**(12 Months Weekend, Jamia Hamdard University Program)**

Bioinformatics is not limited to its application in biological sciences but is also knocking the doors of other domains of science. The individual who wants to develop a career in bioinformatics cannot limit to distance learning but for better economic pursuits he has to have the practical industry oriented knowledge of subject. With this mission and vision BII has launched the Dual program in Bioinformatics. The dual Program in Bioinformatics offered by BII is a combination of two programs:



The need for the dual program has been felt with the growing Bioinformatics and Cheminformatics segment in India. There is a huge demand of skilled Bioinformatics and cheminformatics Professionals in the industry. The proposed program has been thus designed to provide participants with the in-depth knowledge of the subject thus making him a skilled Bioinformatician / Cheminformatician. The student benefit by getting a Certificate by BII in Advance Program in Bioinformatics thereby saving 6 months.

**Program Duration**

The Program Duration is one year

## **Dual Program Methodology**

- Delivery of the lectures by the technically expert core faculty
- Guest faculty from industry and academia
- Along with the theoretical knowledge students also get a practical oriented understanding of the subject.
- Students are working on various Bioinformatics softwares to have a better understanding of the subject like Modeller, HEX, MATLAB, Dreamweaver & many more.
- Teaching via LCD, Multimedia Projectors & PPT.

## **Evaluation**

The candidates are evaluated throughout the program tenure by submitting the assignments, research study. Practical evaluation is done through the practical classes, assignments and by evaluating students working skills on Bioinformatics softwares. Final evaluation of the candidates would be on the basis of examination conducted at the end of the program.

## **Program Completion**

After the successful completion of the program the candidate will obtain

- 1.) PG Diploma in Bioinformatics/Cheminformatics (Jamia Hamdard University)
- 2.) Advanced Program in Bioinformatics (BII).

## **Program Curriculum**

Every candidate goes through a regular 6 month Advanced program in Bioinformatics (Conducted by BII) and a PG Diploma in Bioinformatics/Cheminformatics (12 month weekend, Jamia Hamdard University Program) simultaneously.

## **Advance Program in Bioinformatics (6 Months BII Classroom Program)**

Module-I	:	Introduction to Bioinformatics
Module-II	:	Bioprogramming
Module-III	:	Biological Database & their management
Module-IV	:	Computational Biology
Module-V	:	Drug Designing
Module-VI	:	Bioinformatics Software
Module VII	:	Research Project
Module VIII	:	Practical

## **PG Diploma in Bioinformatics** **(12 month weekend, Jamia Hamdard University Program)**

Paper 1	:	Introduction to Bio Informatics
Paper 2	:	Basics of Bio-computing
Paper 3	:	Bio Statistics
Paper 4	:	Biological Databases and their Management
Paper 5	:	Computational Biology
Paper 6	:	Biochemistry
Paper 7	:	Microbiology

## **PG Diploma in Cheminformatics** **(12 month weekend, Jamia Hamdard University Program)**

Paper 1	:	Basics of Cheminformatics
Paper 2	:	Medicinal Chemistry
Paper 3	:	Modern Combinatorial Chemistry
Paper 4	:	Cheminformatics Database Design & their Management
Paper 5	:	Chemical Information Sources
Paper 6	:	Computational Chemistry
Paper 7	:	Data Sequencing Mining and Visualization
Paper 8	:	Drug Design and Discovery

# DUAL PROGRAM STUDENTS' PROFILE



**Name** : **BHASKAR D. SAMRIT**  
**Contact no.** : 09873796197  
**E-mail** : [samritbhaskar@yahoo.com](mailto:samritbhaskar@yahoo.com)  
**Educational qualification** : B.Sc. Microbiology from Nagpur University  
**Training** : Training in basics of intellectual property rights and patent searching (**NIIPM**)  
**Career interest** : Intellectual Property Rights

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**Name** : **LEELADHAR RATHORE**  
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**E-mail** : [lilurathore@yahoo.com](mailto:lilurathore@yahoo.com)  
**Educational qualification** : B.Sc. life sciences from GGU (Bilaspur)  
**Career interest** : Drug Designing

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**Name** : **ANKIT SHARMA**  
**Contact no.** : 09711556658  
**E-mail** : [khalghat.ankit@gmail.com](mailto:khalghat.ankit@gmail.com)  
**Educational qualification** : B.Sc. (bioinformatics) from DAVV (Indore)  
**Career interest** : Drug designing  
**Work experience** : 4 month experience as a CSA in BHARAT BPO



**Name** : **AARTI AERAN**  
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**Educational qualification** : M.Sc. (Plant science) from Lucknow University  
**Additional qualification** : Professional diploma in Web Designing and Software Engineering from F-TEC (Lucknow)  
**Career interest** : R &D and Drug designing  
**Work experience** : 10 months experience as a Senior Project Assistant in IMAP (Lucknow)

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**Name** : **ANTIMA SHARMA**  
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**Educational qualification** : B.Sc. (Biotechnology) from CSJM University (Kanpur)  
**Career interest** : Genomics and Proteomics

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**Educational qualification** : M.Sc. (Zoology) from C.C.S University (Meerut)  
**Career interest** : R &D and Drug designing

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**Name** : **ARTI DWIVEDI**  
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**Educational qualification** : M.Sc. (Biotechnology) from Banasthali Vidyapeeth  
**Training** : Training in Toxicology from C.D.R.I (Lucknow)  
**Work experience** : 6 months experience as a Research Trainee in Multiplex Biotech Company (Bengaluru)  
**Career interest** : R & D

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**Name** : **ASHA H. GEDAM**  
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**Educational qualification** : M.Sc. (chemistry) from Nagpur University  
**Career interest** : Drug designing

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**Educational qualification** : B.E (Biotechnology)  
**Training** : Validation of Pharmaceutical product in Quality Control at Zydus Cadila, Ahmedabad

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**Training** : **Bio-Tools at Subhoshree Biotech Pvt. Ltd.**

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**Educational qualification** : B.Tech (biotechnology) from Vinayak Mission's University Chennai)  
**Training** : Training on waste water management at IIT (Madras)  
**Career interest** : Nanoelectronics