

Self Financed  
Short Term Course on  
“*In vitro Diagnostic Platforms for biomarker  
detection*”

Feb 18-24, 2019



**Department of Biotechnology**  
**Motilal Nehru National Institute of Technology**  
**Allahabad**  
**ALLAHABAD, 211004, India**



#### **About the Institute**

Motilal Nehru National Institute of Technology Allahabad, is an institute with total commitment to quality and excellence in academic pursuits. The institute has been granted the status of Institution of National Importance. It was established as Motilal Nehru Regional Engineering College (MNREC) in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh. MNREC was transformed into National Institute of Technology fully funded by Ministry of Human Resource Development, Gov. of India.

The institute offers B.Tech, M.Tech, Ph.D, M.C.A, M.B.A., (Mathematics and Scientific Computing) degrees in various disciplines of sciences, engineering, technology and humanities.



#### **About the department**

The Department of Biotechnology at MNNIT Allahabad was established as a new academic unit under Applied Mechanics in 2006, with the

objective of integrating life sciences with engineering and to develop cutting-edge technology through research, training and technological innovation. Keeping a beat to the global demands for researchers in this field, a full fledged post graduate degree course (M. Tech in Biotechnology) was introduced in the year 2010. The department runs PhD program in Biotechnology since 2009.

The department gained shape as an independent administrative ‘Department of Biotechnology’ in April, 2012. The department comprises of thirteen expert faculty members from diverse areas. The department has independent state-of-art modular laboratories to perform experiments in microbiology, immunology, nanobiotechnology, biochemistry, molecular biology, cell culture, and bioprocess technology.

Department hosts extramural research projects from various government agencies viz. DST, DBT, UGC, MNRE etc. Research outcomes have got recognition which is evident through patents filed and papers published in National/International journals of repute. Department has organized one national and two international conferences over the years and frequently offer training courses in different disciplines.

#### **The city of Allahabad**

Allahabad is the sacred city of India where three *holy rivers namely Ganga, Yamuna and invisible mythological Saraswati meet*. The famous *Kumbh* is organised here after every twelve years where hundreds of million people gather for holy bath. The Allahabad has been famous place of learning since long due to its world famous academic institutions.

**About the course:****Objective:**

A biomarker is an indicator that can be used for rapid/early detection of a disease, to monitor the progression of disease or the impact of drug or treatment. This is made feasible by using different in vitro diagnostic methods that monitors the level of any specific biomarker related to the disease. Advancement in modern technologies and the aim to develop low cost, affordable healthcare is a driving factor for the new emerging diagnostic platform for disease detection.

The course intends to provide recent developments and knowledge associated with in vitro diagnostic platforms using biomarkers. The course is of interest for research scholars / faculties / scientists involved in active research in this area. The seven days short term course aims to provide in depth exposure through expert lectures and laboratory demonstrations. The lectures will be delivered by distinguished scientists and academicians of their field.

**Highlights of this course:**

- *Lateral flow immunoassay*
- *Nanodiagnosics*
- *Catalytic nanostructures*
- *Molecular Beacons based diagnostics*
- *PCR based diagnostics*

**Duration:** Seven days workshop from Feb 18- 24, 2019.

**Number of seats:** 25

**Eligibility:** Undergraduate, post graduate, research scholars and faculty/scientist in biotechnology, bioinformatics, life sciences, medical sciences, environment sciences, pharmaceutical science or related disciplines

**Patron:** Prof. Rajeev Tripathi

*Director, MNNIT Allahabad*

**Chairman:**

Prof. Shivesh Sharma, Head, Department of Biotechnology, MNNIT Allahabad

**Conveners:**

Dr. Seema Nara, Department of Biotechnology, MNNIT Allahabad

Dr. Manisha Sachan, Department of Biotechnology, MNNIT Allahabad

**Treasurer**

Dr. Ambak K. Rai, Department of Biotechnology, MNNIT Allahabad

**Advisory Committee:**

Prof. Shivesh Sharma, Department of Biotechnology, MNNIT Allahabad

Prof. Anjana Pandey, Department of Biotechnology, MNNIT Allahabad

**Registration Fee**

Students/Research Scholar	Rs 2000/-
Faculty/Scientist	Rs 3000/-

**Registration fees includes**

- All the lectures and experiments
- Lunch and refreshments
- Program kit

**Mode of payment:** Participants can make payment via DD in favour of SFC-IDP payable at Allahabad OR Deposit the registration fee online in Account No. 718400301000335 of Vijaya Bank, MNNIT Allahabad (Branch Code: 007184; MICR Code: 211029004; IFSC Code: VIJB0007184)

**Accommodation:** Participants may be provided accommodation in the institute guest house and/or hostel depending on the availability, on payment basis. Accommodation can also be booked in nearby hotels directly or through organizers.

**Food:** Lunch and tea will be provided to the participants during the course of workshop (charges are included in the registration fee).

**How to reach MNNIT Allahabad:** The city of Allahabad is well connected with all parts of India by daily train, buses and flights.

**Contact:**

**Dr. Manisha Sachan and Dr. Seema Nara**  
**Conveners, SFC-IDP**

Department of Biotechnology  
Motilal Nehru National Institute of Technology  
Allahabad

Allahabad-211004, India

**Phone:** 91-5322271238, 1237

**Mobile:** +919984421252, +919044533554

**Email:** seemanara@mnnit.ac.in

[manishas@mnnit.ac.in](mailto:manishas@mnnit.ac.in)

**Website:** www.mnnit.ac.in

**REGISTRATION FORM**

**Personal Details:**

Title (Mr./Ms./Mrs./Dr.): .....

Gender (Male/Female): .....

Name: .....

Date of Birth: ..... Age: .....

Designation: .....

Qualification: .....

College/Institute/University: .....

Department: .....

City..... State: .....

**Contact Details:**

Address: .....

.....Pin: .....

Ph./Mob.: .....

Email: .....

**Payment details:**

Demand Draft No: ..... Dated: .....

Drawn on.....

Total Amount in INR.....

**OR**

Online registration fee details.....

(Attach the DD or online payment receipt with form)

**Declaration:**

I am interested in attending this training course. All information provided is correct.

Signature of Applicant

**Note:**

- Incomplete or registration form without demand draft shall be rejected
- A separate registration form should be used for every delegate
- Registration fee is non-refundable