

## Venue

The training will be conducted at Distributed Information Sub-Centre, NLVS, IVRI, Izatnagar, Bareilly (UP). The participants are expected to arrive at IVRI by evening of 10.03.2019 and should not leave before the end of programme.

## Boarding and Lodging

The participants are required to meet the expenses on travel, boarding & lodging through their sponsoring organization. Accommodation will be provided to the interested candidates in the Institute's Guest House on payment as per ICAR norms. In case of unavailability of rooms, at Institute guest house accommodation will be arranged in nearby hotels in payment basis.



## Application Form

### National Workshop-cum-Training Programme on

### Computational Approaches in Biotechnology for Beginners

Name (Prof/Dr/Mr/Mrs) .....

Designation .....

**If student**

Course.....Year.....Division .....

Major Advisor .....

Organization .....

Date of Birth .....

Address .....

Telephone No. ....(Of.).....(Res).....

Fax No. ....

E-mail .....

Whether accommodation required...Yes/No .....

Expected date of arrival .....

Mode of arrival .....

Expected date of departure .....

Signature of applicant

Signature of sponsoring Authority/HD

### Address for Application

#### Bioinformatics Centre

(Distributed Information Sub-Centre)  
NLVS, IVRI, IZATNAGAR  
Phone: +91-581-2300305  
Fax: +91-581-2300305  
E.mail: ivri.btisnet@nic.in  
bcpandey.pandey15@gmail.com

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## National Workshop-cum-Training Programme



## Computational Approaches in Biotechnology for Beginners

March 11-15, 2019

Sponsored by:  
Department of Biotechnology  
(Ministry of Science & Technology)  
Government of India, New Delhi



Organized by:  
**BIOINFORMATICS CENTRE**  
(Distributed Information Sub-Centre)



ICAR-Indian Veterinary Research Institute  
(Deemed University)  
Izatnagar-243 122 (UP) INDIA

## Background

The Indian Veterinary Research Institute, Izatnagar is one of the premier National institutions in the field of the Veterinary and Animal Sciences. Founded in 1889, IVRI is the oldest among the institutions governed by ICAR. The institute is dedicated towards improvement of animal health and production. At present, institute with its headquarter at Izatnagar has five campuses at Bangaluru, Srinagar, Kolkata, Mukteshwar and Palampur. The institute was identified as a Bioinformatics Centre (Distributed Information Sub-Centre) under BTIS programme in the year 1992 by Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi. The Centre is equipped with all the latest facilities and is ready to meet specific requirement of end users. The Bioinformatics Centre is organizing a National Workshop cum training programme on "Computational Approaches in Biotechnology for Beginners" from March 11 - 15, 2019. Applications are invited from interested scientists, staff of academic institutions, researchers and students.

## Objective

The course is aimed to train the scientists, students and researchers working in the frontier area of "Genome analysis". The course is designed to provide hands on training on the various Bioinformatics tools used in Genome analysis.

### CHIEF PATRON

**Dr. R.K. Singh**  
Director and Vice Chancellor

### PATRON

**Dr. B.P. Mishra** JD(Research)  
**Dr. V.K. Gupta** JD(CADRAD)  
**Dr. Triveni Dutt** JD(Academic)

### COURSE DIRECTOR

**Dr. Amit Kumar**  
Coordinator, Bio-informatics Centre

### COURSE COORDINATORS

**Dr. Prasad Thomas** Scientist  
**Dr. Himani Dhanze** Scientist

### COURSE CO-COORDINATOR

**Dr. K.N. Kandpal** Chief Information Officer

### FACULTY

**Dr. K.N. Viswas**  
**Dr. Ravi Kant**  
**Dr. Amit Kumar**  
**Dr. Anuj Chauhan**  
**Dr. Sujoy Kumar Dhara**  
**Dr. Prasad Thomas**  
**Dr. Himani Dhanze**  
**Dr. Basavaraj Sajjanar**

### COURSE CURRICULA

- \* Introduction of Next Generation Sequencing (NGS)
- \* NGS data analysis for miRNA
- \* Genome wide association study
- \* Bacterial/Viral genome assembly.
- \* Sequence retrieval, editing and submission
- \* Primer designing
- \* Gene & promotor prediction
- \* Alignment of sequence & phylogenetic analysis
- \* Role of Edigenetics in Animal Disease
- \* Analysis of Real time PCR
- \* Microarray data analysis

## Assessment and Certificates

After completion of course, the participants will be asked to fill up an evaluation proforma and a certificate will be presented to each of the successful participants

## Target Group

- \* Scientists
- \* Researchers
- \* Students

## Facilities

The Bioinformatics Centre is well equipped with latest servers, high speed workstations, softwares like CLC genomics and Mac vector.

## Last date for submission of application is 28/02/2019

- Nomination of candidates should be sent positively by 28th February, 2019.
- A total number of 35 participants will be selected for the programme.
- Selected participants will be informed through e-mail and phone.

## Contact details

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Course Director & Coordinator  
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