



Registration Begins

October 10th, 2018

Registration Closes

November 20th, 2018

Workshop Date

November 22-24, 2018

Contact

Prof. U. N. Dwivedi

In-charge

IDAC

**ONGC Centre for Advanced Studies
University of Lucknow**

Lucknow-226007

Email: idac.event@gmail.com

Workshop on

NGS Data Analysis & Computer Aided Drug Designing

November 22-24, 2018

Organized by

Institute for Development of Advanced Computing

ONGC- Centre for Advanced Studies

In collaboration with

Centre of Excellence in Bioinformatics

Bioinformatics Infrastructure Facility

University of Lucknow

Course Content

Genomic Data Handling

- ♦ **Sequence alignment**
- ♦ **Pair wise sequence alignment**
Multiple sequence alignment
- ♦ **Phylogenetic analysis (distance based method)**
- ♦ **Downstream gene prediction**

Next-Generation Sequencing Data Analysis

- ♦ **Understanding NGS technology**
- ♦ **Quality control**
- ♦ **Trimming and adapter clipping**
- ♦ **Assembly and reads mapping**
- ♦ **Functional annotation**

Drug designing

- ♦ **Protein Structure Prediction**
- ♦ **Post Structural Analysis**
- ♦ **Molecular Docking Analysis**
- ♦ **Target and Ligand Interaction Analyses**



Objective of the workshop

The objective of the training program is to give exposure to the participants to concepts, skills and tools of bioinformatics and to provide hands on training on various bioinformatics approaches such as basics of sequence analysis, phylogenetic analysis, Next Generation Sequencing (NGS), protein structure prediction, target-ligand interaction analyses and basics of computer-aided drug designing through various online as well as offline tools and software.

Date	November 22– 24, 2018
Duration	3 days
Subject of area	Genomics, NGS, CADD
Methodology	Lectures, Demos with Hands on session
Level of participants	Faculty, Research Scholars and Students from various colleges, universities and research organizations
Prerequisites	Minimum skill in operation of computer
No. of participants	30
Registration fee	Rs 3500/-

Procedure for selection

- Submission of CV before deadline via E-mail
- Fee submission before deadline
- All selection will be done on first come first serve basis

Registration Form

Name	
Date of Birth	
Department and Institution	
Address	
Educational Classification	
Phone/ Mobile	
E-Mail	
Mode of Payment	
• DD	
DD No.	DD Date
Applicant's Signature	
Signature of Supervisor/ Head of Department/ Project Coordinator	