

Address for correspondence:

Dr. K. Narasimhulu

simha_bt@nitw.ac.in, 09985470286

or

Mr. Onkara Perumal

popomal@nitw.ac.in, 09642508262

Asst. Professors, Department of Biotechnology
National Institute of Technology, Warangal.
Warangal- 506 004, Telangana State, India.

About Department of Biotechnology:

The Department of Biotechnology offers B.Tech in Biotechnology and Ph.D in Biotechnology. The Department has experienced faculty and well-established laboratories. The department has 7 sponsored research projects costing more than one crore rupees. The department has two proprietary softwares i.e. **Vlife MDS®** and **SuperPro Designer**.

About the Institute and Warangal:

National Institute of Technology (formerly Regional Engineering College, REC), Warangal is the first among 31 RECs setup as joint venture of the Government of India and the State Government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and Ph.D programmes in various specializations. By the Act of Parliament, the Institute has been declared as the Institute of National Importance. Warangal is known for its rich

historical and cultural heritage. It is situated at a distance of 140 km from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology campus is 3 km away from Kazipet railway station and 12 km away from Warangal railway station. Participants are advised to alight either at Kazipet or Warangal depending upon the train of travel.

Registration and Fee Particulars:

The registration fee is as follows:

Members	With out accommodation*	With accommodation
Research Scholars/ P.G Students	Rs.2000/-	Rs.3000/-
Faculty	Rs.3,500/-	Rs.5000/-
Industry/R &D Labs	Rs.7000/-	Rs.10,000/-

*Includes program kit and working lunch on all workshop days.

Patron:

Prof.T.Sreenivasa Rao, Director

Chairman:

Prof.K.Laxma Reddy, Head, Biotechnology

Five Day Short Term Training Program on Computational Modelling of Biomolecules and Bioprocesses

December 14 – 18, 2015

Under Continuing Education Programs



Coordinators

Dr. K. Narasimhulu & Mr. Onkara Perumal. P

Organized by

Department of Biotechnology
National Institute of Technology
Warangal – 506004, Telangana. India.



Introduction:

The training program is a national forum for gaining knowledge and skills in computational techniques covering two major fields of Biotechnology namely Bioinformatics and Bioprocess Engineering. The training program will bring together leading researchers, engineers and scientists in the above mentioned domains of interest from all around India. The training also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Biotechnology related techniques.

The training program is aimed primarily to introduce computational modeling of biomolecules and bioprocesses to the participants from diverse academic backgrounds with a combination of expert lectures and rigorous hands on laboratory training with commercial softwares including VLife MDS® and SuperPro Designer. The training would greatly benefit the participants as it would help them to carry out independent research project works using this experience.

Course Contents:

- Modelling and Simulation of bioreactors using SuperPro Designer software.
- Modelling, Docking, QSAR studies using VLife MDS® software.
- Optimization of process parameters using Design Expert software.
- Computer Aided Drug Design.
- Application of modelling in Biofuels. Environmental Biotechnology, Bioinformatics, Metabolic Engineering.

Resource Persons:

The faculty of Department of Biotechnology, Chemical Engineering, NIT Warangal and experts from reputed educational, research institutions and

industries will deliver the lectures. Intensive laboratory sessions using Vlife MDS®, SuperPro Designer and Design Expert Softwares.

Participants:

The program is for the Teachers, Research scholars, P.G. students of Biotechnology, Chemical Engineering, Environmental Engineering, Chemistry, Pharmacy, Genetics, Biochemistry and allied subjects, practicing engineers from industry, government organizations and University colleges.

How to Apply:

Registration forms duly filled in the prescribed format should reach the Coordinator on or before 21st Nov 2015 along with a demand draft drawn in favor of "Professor-in-charge, Continuing Education Programs, NITW" payable at State Bank of Hyderabad, NIT Warangal Branch (Code No. 20149). The applications without the requisite registration fees will not be considered.

Accommodation & Travel:

Boarding & lodging will be provided at NIT Guest House. No TA/DA will be paid to the participants.

Important Dates:

Last date of submission of registration form: 21.11.2015.

Intimation of acceptance: 23.11.2015.

For more details visit: www.nitw.ac.in



APPLICATION FORM Computational Modelling of Biomolecules and Bioprocesses December 14 – 18, 2015

Department of Biotechnology

National Institute of Technology
Warangal- 506 004 (T.S.)

1. Name:
2. Designation:
3. Department:
4. Institution/Organization:
5. Address for Correspondence:

E-Mail:

Mobile:

6. Educational Qualifications:
7. Accommodation required: YES / NO

Declaration

The information provided is true to the best of my knowledge.

Place:

Date:

Signature of the Applicant

CERTIFICATE

Dr/Mr/Mrs/Ms. _____

_____ is an employee/student of our Institute /Organization and is hereby permitted to attend the above training program.

Place:
Date:

Signature of Head of Institution