



**NODES
NETWORKS**



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National Workshop

on

Networks in Biological Systems

18th-19th February, 2017



Organized By

Bioinformatics Infrastructure Facility

Department of Molecular Biology and Biotechnology

Tezpur University

Tezpur- 784028

Assam, India

Sponsored by

Department of Biotechnology

Ministry of Science and Technology

Government of India

Resource Persons

- **Dr. Ganesh Bagler**, *Center for Computational Biology, IIT-Delhi*
- **Dr. S.S. Satapathy**, *Dept. of CSE, Tezpur University*
- **Dr. M.V. Satish Kumar**, *Dept. of MBBT, Tezpur University*
- **Dr. A. N. Jha**, *Dept. of MBBT, Tezpur University*

REGISTRATION FORM

National Workshop

DBT-Funded Bioinformatics Infrastructure Facility (BIF)
Department of Molecular Biology and Biotechnology,
Tezpur University

Name : _____

Qualification: _____

Designation: _____

Department: _____

Institution: _____

Address : _____

E-mail : _____

Contact No.: _____

Gender : Male ; Female

Date:

Place: _____ Signature

(Signature is not mandatory for online application submission)

(Photo copy of this form is also acceptable)

Who can apply

1. Integrated MSc Biosciences and Bioinformatics students of 10th and 8th semester are eligible for participating in both seminar and workshop.
2. Integrated MSc/MSc/MTech/PhD/Research students and faculties from any branch of life sciences /engineering field are eligible for attending only seminar.

Registration Fee

Integrated MSc. Biosciences and Bioinformatics students and students from Dept. of MBBT are exempted from registration fee.

Important Dates

18th-19th Feb, 2017: Registration

How to apply

Please fill up the registration form and send it by post or email to the following addresses:

Dr. M.V. Satish Kumar

Dept. of MBBT

Tezpur University,

Tezpur, Assam-784028

Email:

mvenkatasatishkumar@gmail.com

or

Ms. Mary Dutta/Ms. Bhaswatee Das

DBT-BIF, Dept. of MBBT

Tezpur University,

Tezpur, Assam-784028

Email: mrdutta735@gmail.com

bhaswatee123@gmail.com

About BIF, Dept. of MBBT, Tezpur University

The Bioinformatics Infrastructure Facility (BIF) of Tezpur University was established in 2007 with the grant from the Department of Biotechnology, Govt. of India. The objective of the facility is to provide awareness and impart hands-on training to students, Scientists and Faculty members of North East region particularly on the application of computer and bioinformatics implications in the field of biological sciences . The motto of the facility is “Biology Teaching Through Bioinformatics”. The DBT-BIF is equipped with two high end servers, one medium end servers and 22 terminals.

About the Workshop

This workshop aims to introduce and familiarize students with the basics of various networks in the biological systems and their applications. A system-level understanding of any biological process requires a map of the relationships among the various molecules involved. The workshop includes theoretical as well as practical knowledge on application of different networks in the biological systems.

**National Workshop
On
“Networks in Biological Systems”
February 18-19, 2017**

Organized by
DBT Funded Bioinformatics Infrastructure Facility,
Department of Molecular Biology and Biotechnology
Tezpur University, Tezpur, Assam, India

Program Schedule

Day One: 18th February, 2017(Saturday)

Time	Program
9:30-10:00 AM	Registration (Room no: 109)
10:00- 12:00 noon	Graph Theory and Introduction to Networks in Biology by <i>Dr. S.S. Satapathy, Dept. of CSE, TU</i>
12:00- 2:00 PM	Lunch Break
2:00- 3:30 PM	Modelling in Systems Biology by <i>Dr. M.V. Satish Kumar, Dept. of MBBT, TU</i>

Day Two: 19th February, 2017(Sunday)

Time	Program
9:30-11:00 AM	Introduction to Systems Biology by <i>Dr. Ganesh Bagler, Center for Computational Biology, IIIT-Delhi</i>
11:00- 11:30 AM	Tea Break
11:30- 1:00 PM	Application of Network Science to Biological Data by <i>Dr. Ganesh Bagler</i>
1:00- 2:00 PM	Lunch Break
2:00- 5:30 PM	Lab Session on Network Analysis
5:30- 6:00 PM	Valedictory

Venue for Technical Presentation: Room No: 109, Dept. of MBBT, TU