



FACULTY DEVELOPMENT PROGRAMME (FDP) on

Advances in Bioinformatics

10th – 15th May, 2021

Organized by

Electronics & ICT Academy

(Sponsored by Ministry of Electronics and Information Technology (MEITY), GOI

National Institute of Technology, Warangal – 506004, Telangana State, INDIA

Preamble

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programs in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

This faculty development program (FDP) is devoted to address the need of technological developments in Biotechnology and its allied fields. Bioinformatics is the application of tools of computation and analysis to capture and interpret various forms biological data and it's an essential for management of data in modern biology and medicine. This workshop empowers the participants to understand sources of data generation (sequences), forms of data and aims to discuss the sequence, structure and functions with new technologies. This workshop is intended to provide an insight on Bioinformatics applications in various fields with hands-on Experience.

About NIT Warangal

National Institute of Technology, Warangal is the first among 17 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 Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About the course

Bioinformatics is rapidly emerging to play a key role in research; Lifesciences, biomedical, drug discovery in recent years. This workshop is designed to cover the concepts of advanced methods in bioinformatics applicable to Researchers, Faculty and Students. It is intended to stimulate interest in the minds of researchers and to help them enhance the quality of their research processes.

Faculty conducting this program: The program will be conducted in online mode by the faculty members from NIT Warangal and academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Major Course Contents:

- *New trends in Sequence analysis*
- *Gene and Genome analysis*
- *Identification diseases*
- *Pathway browsing*
- *Metabolisms and analysis*
- *Cheminformatics*
- *Molecular Docking & Virtual library*
- *Representation of data*
- *Data analysis*
- *Artificial Intelligence in Bioinformatics*
- *Big data and data analytics*
- *Modern trends in Bioinformatics*
- *Software tools for Bioinformatics*
- *Hands on Training*

Registration Fee Particulars:

The fee is to be paid either in the form of DDs or online transfer using the following details:

Faculty and Research Scholars	Rs. 750/-
Industry Participants	Rs.2250/-

Online Transfer Details

Account Name: **Electronics & ICT Academy (NITW)**

Account No: **62423775910**
IFSC code: **SBIN0020149**

Bank and Branch: **State Bank of India, NIT (REC) Warangal**

How to apply: Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/hJsLKjqFoXNgYB8U9>

Selection criteria:

Selection will be done based on a first-come-first-serve basis to a maximum number of 100. Additionally, 10 participants from the industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Selecting candidates as per GOI norms.

Important dates:

Last date for submission of Application	05/05/2021
Selection List by E- mail	07/05/2021
Duration	10/05/2021 to 15/05/2021

Eligibility:

The program is open to the Faculty from Universities, Engineering and medical colleges other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

How to apply:

A filled in online form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft/payment proof) should reach the coordinator by speed-post.

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.



Electronics & ICT Academy

(Sponsored by Ministry of Electronics and Information Technology (MEITY), GOI
National Institute of Technology, Warangal – 506004, Telangana State, INDIA)

SPONSORSHIP CERTIFICATE

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date:

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "**Advances in Bioinformatics**", sponsored by Electronics & ICT Academy during **10th – 15th May, 2021** at NIT Warangal.

Amount:

6. Address for Correspondence:

Signature of Head of Institution
(with seal)

7. Educational Qualification:
8. Subjects taught so far:

Interested faculty members, please fill the following Google form:
<https://forms.gle/hJsLKjgFoXNgYB8U9>

9. No. of refresher courses/workshops attended:
10. Experience (in years):
Teaching: Research: Industry:
11. Accommodation required: YES / NO
12. Do you belong to SC/ST : YES / NO

Address for correspondence
Post your application form

Dr. Perugu Shyam,
Assistant Professor,
Dept. of Biotechnology,
National Institute of Technology
Warangal – 506004
Telangana, India
Email: shyamperugu@nitw.ac.in

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://www.nitw.ac.in/eict/aibnit1.php>

For more enquiries please contact:

Dr. Perugu Shyam,
Mobile: +91 9948561761

Signature of the Applicant

Coordinator

Dr. Perugu Shyam
Dept. of Biotechnology
National Institute of Technology Warangal – 506004
Email: workshopatnitw@gmail.com

