ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
COMPUTATIONAL BIOLOGY
(Interdisciplinary)
(13th July – 22nd July 2022)
Organized by
E & ICT Academy, National Institute of Technology, Warangal.
in association with
University College of Engineering, BIT Campus
Tiruchirappalli – 620 024

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 programmes 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.

About the FDP:

This faculty development program (FDP) is devoted to address the need of technological developments in Computational biology and its allied fields. Computational Biology is a broad interdisciplinary field that involves developing and applying data-analytical and theoretical methods. It amalgams biology, chemistry, mathematics, statistics, bio physics, evolution, genetics, and computer science. By applying all these fields, one can create theoretical methods, mathematical models, simulation techniques, etc. With the pace at which research and development are growing, the involvement of computational methods has become highly significant. Computational Biology has found applications in anatomy, bio modelling, ecology, evolutionary biology, genomics, and much more. It makes the understanding of biological concepts easier and testable.

Major Course Contents:
- ✓ Networks and Network Analysis studies,
- ✓ Network analysis tools
- ✓ Introduction to Databases and their algorithms
- ✓ Bio informatics
- ✓ Computer aided drug design
- ✓ Computational systems biology
- ✓ Computational Neurobiology
- ✓ AI and ML in Biology
- ✓ Genomics, proteomics, metabolomics
- ✓ Analysing gene expression data
- ✓ Gene Ontology, pathways, gene set enrichment analysis

Faculty conducting this program:
This program will be conducted in online mode by the faculty members from NIT Warangal in association with University College of Engineering (BIT Campus) Tiruchirappalli, Tamil Nadu – 620 024; Academicians in the concerned field from Indian Institute of Technology (IIT)/National Institute of Technology (NIT)/ National Institute of Pharmaceutical Education and Research (NIPER)/Institute of Bioinformatics and applied Bio technology (IBAB), Indian Council for Agricultural Research (ICAR) are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Eligibility:
The program is open to faculty of Engineering Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

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
IFSC: SBIN0020149
Account No: 62423775910

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

https://forms.gle/5HqefYsfnq3vf3La9

Selection Criteria:
Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). 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.

Important dates:
Last date for submission of Application: 11/07/2022
Selection by E-mail   : 12/07/2022
Duration   : 13/07/2022
                                       to
                                       22/07/2022

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 UCE BIT Campus:
University College of Engineering, BIT Campus, Tiruchirappalli, has been established by the Government of Tamil Nadu as a 'Technical Institution' at Tiruchirappalli. The BIT institution is one of the constitution college of Anna University, Chennai.

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1. Name   :

2. Designation :

3. Institution   :

4. Email   :

5. Mobile No   :

6. Payment Details:

7. Address for correspondence   :

8. Educational qualification   :

9. Subjects taught for   :

10. No. of refresher Course/ workshops attended:

11. Experience in years

Teaching: Research: Industry:

12. Do you belong to SC ☐   ST ☐

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 coordinators in case I am unable to attend the course.

Date: Signature of the Applicant

Sponsorship Certificate

Dr. /Mr. /Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Computational Biology (Inter-Disciplinary)", sponsored by Electronics & ICT Academy during 13th July – 22nd July, 2022

**Signature of Head of Institution
(with seal)**

It is requested to all the delegates, after completion of the application form, all the payment details, a Screenshot of the payment, and scanned application form has to be uploaded in the following online registration link.

Registration Link

https://forms.gle/5HqefYsfnq3vf3La9

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

For more enquiries please contact:
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Coordinators

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