



**FACULTY DEVELOPMENT PROGRAMME (FDP) on
Statistics and data analysis for engineers and researchers**

27th May - 1st June, 2019

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 addressing the need to enhance the knowledge about the latest technologies pertaining to Statistics and data analysis through 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

Statistics is rapidly emerging to play a key role in research; engineering, biomedical, economical in recent years. This workshop is designed to cover the concepts of basic and advanced statistical methods 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. Many statisticians use quantitative abilities, statistical knowledge and communication skills to work on numerous challenging problems in biostatistics and allied areas. This exciting and versatile discipline is contributing to all fields of medical research and evidence-based healthcare and nutrition.

Module: 1

- Expert lectures on Statistics and usages
- Various methods in Statistics
- Applications of Statistics
- Data analysis
- Emerging trends in data handling

Module: 2

- Correlation, regression, multiple regression and logistic regression
- ANOVA and MANOVA
- Generalized linear models
- Markov models
- Non parametric approaches
- Factor Analysis
- Cluster Analysis
- Meta-analysis applications in Medicine/Bioinformatics
- Challenges of theoretical statistics
- Usage of R and SPSS.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.2500/-
Faculty of SC/ST Category	Rs.1875/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs.7500/-

SC/ST concession is only for faculty of mentioned states.

Research Scholars are not eligible for SC/ST concession.

The entire registration fee is to be collected in the form of DDs/online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "E & ICT Academy, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

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.

Accommodation:

All the selected participants will be provided **FREE boarding & lodging** in the institute. No TA will be paid for the participants.

How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to workshopatnitw@gmail.com in as selection will be intimated only through mail.

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.

Important dates:

Last date (Application & DD)	05/05/2019
Selection List by E- mail	10/05/2019
Duration	27/05/2019 to 01/06/2019



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1. Name :
 2. Designation :
 3. Institution :
 4. Email :
 5. DD No: Bank: Date:
- Amount:
6. Address for Correspondence:
-
7. Educational Qualification:
 8. Subjects taught so far:
-
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
- (If yes, please specify and attach a copy of caste certificate to claim the concession)

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.

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 “**Statistics and data analysis for engineers and researchers**” sponsored by Electronics & ICT Academy during **27th May – 1st June, 2019** at NIT Warangal.

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form with DD to

**Dr. Perugu Shyam
Assistant Professor,
Dept. of Biotechnology,
National Institute of Technology
Warangal – 506004
Telangana, India**

E-mail the scanned copies of filled-in and duly signed application form along with DD to workshopatnitw@gmail.com

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

For more enquiries please contact:

Perugu .Shyam Or K. Narasimhulu
Mobile: 9948561761, 9985470286

Coordinators

**Dr.Perugu Shyam & Dr K Narasimhulu
Department of Biotechnology
National Institute of Technology
Warangal**