



NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 004 (Telangana State)
Faculty Development Programme (FDP)

On

PROBABILITY THEORY AND STOCHASTIC PROCESSES WITH MATLAB

Organized by

Electronics & ICT Academy
and Department of Electronics and Communication and Engineering
Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI
(18th November– 23rd November 2017)

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 Puducherry, Goa 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.

This course is suitable for practicing engineers, researchers in academia and industry as well. The purpose of conducting this 6-day workshop is to provide the participant with precise theoretical and practical up to date exposition of Probability theory and stochastic processes. This training enhances the instrumental capabilities of a faculty for teaching under graduate students which is supported by hands on.

This faculty development programme (FDP) is devoted to fundamentals of probability theory, insights of stochastic processes and their applications to communication engineering and digital signal processing focusing on estimation and detection of signals.

Major Course Contents:

- Probability Theory concepts
- Single random variables & Multi random variables
- Characteristic & Moment generating functions
- Stochastic process- stationary, ergodicity, correlation, covariance, PSD, cummulants & cummulant spectra.
- Applications to Communications, Modulation theory, Spectral Estimation and Detection
- Matlab exposure and practice for the above contents.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal. Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility: The programme is open to the teachers of engineering colleges, MCA colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Puducherry, Goa and Andaman & Nicobar Islands. Industry personnel working in the concerned/allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 1250/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)

Industry Participants	Rs. 7500/-
Participants from other states	Rs. 8500/-

The participants need to send a crossed demand draft(DD) drawn in favour of "Director, NIT Warangal" and payable at SBH, NIT Warangal branch.

Accommodation:

All the selected participants will be provided FREE boarding & lodging in the institute guest house. 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 workshops.ece.nitw@gmail.com as selection will be intimated only through mail.

Selection Criteria:

Selection will be done based on first-cum-first-serve basis and the confirmed candidates will be notified immediately. The maximum number of participants will be 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site www.nitw.ac.in and also will be sent to their personal e-mail ids. In case a candidate is not selected, the demand draft will be sent back. A test will be conducted at the end of the course. Candidates will be issued certificates on successful completion of the course along with grade. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of application: 10.11.2017

Selection-list intimation/display before: 12.11.2017

Duration of Program: 18th November– 23rd November 2017

About the Institute and department:

National Institute of Technology (formerly Regional Engineering College), 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 Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering and M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

The Department of Electronics and Communication Engineering offers an Undergraduate program in Electronics and communication Engineering and three Postgraduate programs in EI, VLSI, and ACS Specializations. The Department has experienced faculty and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like DRDO, ISRO ECIL, Analog Devices Bangalore and C-DAC. Department conducts various sponsored programmes throughout the year.

FORMAT OF APPLICATION
Electronics and ICT Academy
Faculty Development Programme
On
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PROCESSES WITH MATLAB

(18th November– 23rd November 2017)

1. Name:
2. Designation:
3. Institution:
4. Email:
5. DD No: Bank: Date:
6. Address for Correspondence

7. Educational Qualifications with specialization:
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. Are you belong to SC/ST: YES/NO
(If yes, please specify and attach a photo 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.

Place: _____
Date: _____ Signature of the applicant

SPONSORSHIP CERTIFICATE

Dr/Mr/Ms. is
..... is
an employee of our Institute/Organization and is
hereby sponsored to participate in the FDP on
PROBABILITY THEORY AND STOCHASTIC
PROCESSES WITH MATLAB, sponsored by
Electronics & ICT Academy during 18th November–
23rd November 2017 at *Electronics & ICT Academy*,
National Institute of Technology, Warangal.

Place:

Date:

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form with DD to
Dr. V. V. Mani, Assistant Professor
Department of Electronics and Communication
Engineering, National Institute of Technology
Warangal, WARANGAL - 506 004, Telangana
State, India.

*Mail the scanned copies of filled-in and duly signed
application form with DD to*
workshops.ece.nitw@gmail.com
For more information visit: <http://nitw.ac.in/eict/>

For any enquiry contact:
Dr. V. V. Mani,
Mobile: 0 8332969365
Land line: 0870-2462447

Dr. C .B. Rama Rao,
Mobile: 0 8332969366
Landline: 0870-2462413

Coordinators,

Dr. C.B.Rama Rao & Dr. V. V. Mani

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Department of Electronics and Communication Engineering

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