



FACULTY DEVELOPMENT PROGRAMME (FDP)

On

RECENT ADVANCES IN COMMUNICATIONS & SIGNAL PROCESSING

(29th October to 04th November 2018)



Organized by

E&ICT Academy, ECE Department, NIT Warangal and

NRI Institute of Technology, Pothavarappadu, Krishna(Dt.), A.P.

(Autonomous)

Preamble:

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, GOI. Role of the academy is to offer faculty development programmes in standard 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.

A Faculty Development Programme (FDP) on “RECENT ADVANCES IN COMMUNICATIONS & SIGNAL PROCESSING” is being organized by the E & ICT Academy at NRI Institute of Technology, Pothavarappadu, which has agreed to host the same in its campus by bringing and caring the participants to this programme and also extending its infrastructure for organizing the course involving actively their faculty of ECE Department.

Major Course Contents (including hands on sessions) :

- Review of fundamentals of digital communication, 5G Protocols.
- Cognitive radio technology for 5G networks, SDR.
- OFDM Technology for MIMO systems.
- Channel estimation techniques.
- Dynamic channel/-spectrum management.
- Fundamentals of speech and image processing.
- Speech processing applications in mobile environment.
- Fundamentals of Machine learning and Deep learning.
- Signal and image processing with deep learning techniques.
- Signal processing algorithms for wireless communications.
- Deployment of signal processing algorithms/GA on embedded hardware. Introduction to speech coding with IOT Applications.

Resource persons:

E&ICT Academy takes the responsibility of organizing lectures by academicians from reputed institutes in India.

Eligibility:

The programme is open to the faculty of engineering colleges and research scholars in India. Industry personnel working in the concerned/allied discipline can also attend.

Registration Fee Particulars:

Faculty members and Research Scholars : Rs. 2500/- only
Industry Participants : Rs. 7500/- only
For SC/ST faculty : Rs. 1875/- only

The participants need to send a crossed demand draft (DD) drawn in favor of “Director, NIT Warangal” and payable at SBI, NIT Warangal branch/any other bank in Warangal or remit the necessary course fee to the Bank as per the details given below.

Account Name	Electronics & ICT Academy NITW
Account Number	62423775910
Name	State Bank of India
Branch	REC Warangal (NIT Campus)
IFSC	SBIN0020149

Accommodation:

Free boarding will be provided for all participants by the host institute. No TA/DA will be paid to the participants.

How to Apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with DD/NEFT Receipt) should reach the coordinator by speed post. It is also mandatory to send scanned application form and DD/NEFT receipt through e-mail 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 website 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 returned. A test will be conducted at the end of the course. Candidates will be issued certificates on successful completion of the course along with test. Reservations are followed for selecting candidates as per GOI norms.

Important Dates:

Last date for submission of application : 17th Oct 2018

Selection-list intimation/display before : 21st Oct 2018

Duration of the Program : 29th Oct to 04th Nov 2018

About NIT, Warangal:

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, M.Tech. and Ph.D programs in various specializations.

About NRI Institute of Technology:

NRI Institute of Technology was established in 2008, at Pothavarappadu, 25km away from Vijayawada under the patronage of Sri Durga Malleswara Educational society with the mission to promote quality technical education, give the nation self-reliant engineers & entrepreneurs and to bridge the gap between the industry and institution. The institute is provided with excellent infrastructure, state of art labs, well stocked library, sports facilities, modern class rooms, seminar halls and other facilities. This institute is permanently affiliated to JNTUK Kakinada, accredited by NAAC with A grade, approved by AICTE, an ISO 9001:2015 certified and has been granted autonomous status by UGC. The institute is offering 6 UG programmes in engineering with 780 intake, 6 PG programmes in ECE, CSE, EEE, ME, CE and MCA. The Institute has JNTUK Recognized R&D Centers in four departments and also has APSSDC Center to train the students on latest technologies.

Coordinators:

Dr. P. Srihari Rao, Associate Professor, Dept. of ECE, NIT Warangal, Email: patri@nitw.ac.in, Mobile: 9441342324

Mr. V. Srinivasarao, Associate Professor, Dept. of ECE, NRI Institute of Technology, Email: nriit.ecfdp2018@gmail.com, Mobile: 9493864868



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APPLICATION FORM

1. Name of the Applicant :

2. Designation :

3. Institution :

4. E-mail ID :

5. Mobile :

6. Category

7. Payment Mode:

Faculty/ Research Scholars (Rs. 2500/-)

Demand Draft No: _____

SC/ST Faculty (Rs. 1875/-)

NEFT / UTR No.: _____

Industry Participants (Rs. 7500/-)

Bank: _____ Date: _____

8. Address for Correspondence:

9. Subjects taught so far:

10. Educational Qualification with Specialization:

11. No. of refresher courses / workshops attended:

12. Experience (in Years) : Teaching: Research: Industry:

13. Do you belong to reservations SC/ST(YES/NO) : If YES, please specify (**Attach photo copy)

14. Do you require accommodation during Training : YES/NO

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 an employee of our Institute/Organization and is here by sponsored to participate in the FDP on Recent Advances in Communications and Signal Processing sponsored by **Electronics & ICT Academy** during 29th Oct to 04th November 2018 at NRI Institute of Technology, Pothavarappadu, Krishna Dt.

Place:

Date:

Signature of Principal/Head of Institution

Address for correspondence

Post your application form along with DD/NEFT Receipt to:

Mr. V.Srinivasarao, Coordinator,
Dept. of ECE, NRI Institute of Technology, Pothavarappadu, Vijayawada,
Andhra Pradesh Pincode-521 212, Ph No: **9493864868**,
Email: nriit.ecefdp2018@gmail.com

Dr Sreehari Rao Patri
Coordinator, FDP on RACS,
ECE Department, NIT Warangal
patri@nitw.ac.in, 9441342324

For more details about Electronics and ICT academy please visit: <http://nitw.ac.in/eict/>

For more details about NRI Institute of Technology please visit: <http://nrigroupofcolleges.com/>