

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.nrigrpofcolleges.com 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: **17th October, 2018**
Selection-list intimation/display before: **21st October, 2018**
Duration of Program: **29th Oct-04th Nov, 2018**

NOTE

The participants need to send a crossed demand draft (DD) drawn in favour of **“Director, NIT Warangal”** payable at SBI, NIT Warangal branch. On line mode:

Account Name	Electronics & ICT Academy NITW
Account Number	62423775910
Name	State Bank of India
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC	SBIN0020149

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Patron

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Dr.P.Rama Koteswararao, Professor, Dept. of ECE

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Dr. P.Srihari Rao, Member, Monitoring Committee.
E & ICT Academy, NIT-Warangal.

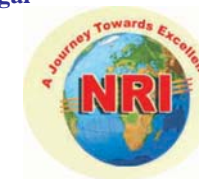
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Mrs. A.V.Kiranmai, Associate Professor, Dept. of ECE
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Ministry of Electronics and Information Technology
(MeitY), GOI - E & ICT Academy,
NIT, Warangal



Sponsored

One week Faculty Development Programme
on

**“Recent Advances in Communications
and Signal Processing”**
29th October to 04th November, 2018



Organized by
Department of ECE

NRI INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)

Approved by AICTE, New Delhi,
Permanently Affiliated to JNTUK,
NAAC ‘A’ Grade, ISO 9001:2015 Certified
POTHAVARAPPADU(V)-521212, KRISHNA (Dt),
Andhra Pradesh, India,
Ph: 0866-2469666. Fax: 0866 2579918
Website: <http://nrigrpofcolleges.com>

About the College

The NRI Institute of Technology, Pothavarappadu is established in the state of Andhra Pradesh in the year 2008 under the patronage of Sri Durga Malleswari Educational society, Vijayawada, to provide quality technical education and to promote the research and development activities in Science, Engineering and Technological arenas. The institution is affiliated to JNT University, Kakinada and approved by AICTE, New Delhi. NRI Institute of Technology offers B.Tech courses in six branches of Engineering viz., CSE, IT, ECE, EEE, MECH and CIVIL Engineering. The institute also offers Post Graduate programmes in M.Tech., with five specializations viz., Computer Science and Engineering, Digital Electronics and Communication Engineering, Power Electronics and Drives, Structural Engineering, and Thermal Engineering apart from Master of Computer Applications. All departments are well equipped with the state-of-the-art equipment, sophisticated laboratories, Computer Centers, with the most contemporary facilities backed by advanced computer systems with the latest software.

About the Department

The Department of ECE was started in the year 2008. It offers undergraduate program accredited by NAAC-A Grade of UGC New Delhi. The Department has well qualified, dedicated faculty with good laboratory facilities including equipment required for research work. The faculties are actively engaged in research activities in their areas of specialization. The Department strives to develop long term relations with Industries and market the student talents effectively. The students are thus provided high level leads and pathways that enable them to gain access to a broad range of high potential and high-tech career opportunities.

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.

About the Program

Signal Processing is concerned with the representation, manipulation and transformation of signals and the information that they carry. It provides techniques for processing acquired time-series data for the purpose of efficient analysis and synthesis. The applications of signal processing are vast and interdisciplinary, ranging from engineering to economics and astronomy to biology. The research in many areas such as signal coding and denoising has paved the path for advancements. Recent decade has witnessed major revolution in communication and processing of digital media.

As a consequence, solutions to major problems in processing, transmission and reception have made signal processing an integral part of modern electronic systems.

Signal Processing Techniques, algorithms and architectures have an increasingly important role to play in meeting the central challenges faced in the design of advanced wireless communication systems. This program will provide an opportunity to highlight recent trends and developments to identify emerging and future areas of growth in these exciting fields. It will further give impetus to the researchers towards bringing out newer and efficient techniques. Expert invited speakers from both industry and academia with their vast research experience in various fields will arouse the researchers for development of signal processing and communication. This Program is focused to discuss state-of-the-art developments and emerging techniques in signal processing application domains ranging from Biomedical Signal Processing, Audio/Speech Signal Processing and Signal Processing for Communication and Hands-on Laboratory Sessions from Industry professionals.

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.
- Deep machine learning techniques.
- 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.

Eligibility

The program is open to the teachers of engineering colleges from Electronics and communication Engineering, Electrical Engineering, and other allied disciplines in Telangana, Andhra Pradesh, Karnataka States and Pondicherry, Andaman & Nicobar islands and Lakshadweep UTs. Industry personnel working in the concerned/allied discipline can also attend.

Pre-Requisites:

Basic knowledge of Signals and Systems, Digital Signal Processing, Analog and Digital Communications, Wireless Communications.

Registration Fee Particulars:

Faculty and Research Scholars.	Rs. 2,500/-
Faculty of SC/ST Category	Rs. 1,875/-
Industry Participants	Rs. 7,500/-

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 nriit.ecefdp2018@gmail.com as selection will be intimated only through mail.

How to reach NRI IT:

NRI IT is situated at a distance of 25 Km. from Vijayawada. Participants can reach NRI IT by boarding buses (at Vijayawada) run by APSRTC towards Agiripalli, Nuzvid, Vissannapeta and City Bus Services (Bus Nos. **208 & 308**).

Accommodation:

Lodging and boarding will be provided at NRIIT campus at no additional cost. No TA/DA will be paid to the participants. Working Lunch, Tea & Snacks will be provided during FDP by host institute.

Venue:

Seminar Hall, Main Block, NRI IT.

Address for Correspondence:

Mr. V. Srinivasarao, Associate Professor.,
ECE Department
Contact No. : **9493864868**
Email: nriit.ecefdp2018@gmail.com

Dr. P. Srihari Rao, Associate Professor,
Dept. of ECE, NIT Warangal,
Contact No. : **9441342324**
Email : patri@nitw.ac.in,