

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.lbrce.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:

12th April, 2018

Selection-list intimation/display before:

18th April, 2018

Duration of Program: **20th- 27th April, 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 Hyderabad
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC	SBHY0020149
MICR	506004011

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Sri. Lakireddy JayaPrakash Reddy, *Co-Chairman*
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Coordinators

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Dr. J.Ravi Kumar, *Member, Monitoring Committee.*
E & ICT Academy, NIT-Warangal.

Co-Coordiators

Mr. T. Anil Raju, *Associate Professor*
Mr. M.K. Linga Murthy, *Sr. Assistant Professor*

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Dr. J. Babu, *Professor*
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Mr. P.Venkateswara Rao, *Assistant Professor*
Mr. Ch. Sivarama Krishna, *Assistant Professor*
Mr. Ch. Mallikarjuna Rao, *Assistant Professor*
Smt. M. Ramya Harika, *Assistant Professor*
Smt. M.V.L.Bhavani, *Assistant Professor*
Mr. P. Venkata Rao, *Assistant Professor*
Smt. K. Lakshmi, *Assistant Professor*
Mr. K. Ravi Kumar, *Assistant Professor*
Mr. K. Rama Krishna, *Assistant Professor*
Smt. T. Kalpana, *Assistant Professor*
Mr.Ch.V.Naga Bhaskar, *Assistant Professor*
Mr. K. Venkata Ashok, *Assistant Professor*
Mr. R. Harikishan, *Assistant Professor*
Mr. K. Sridhar Reddy, *Assistant Professor*
Mr.N.Ravi Kumar Reddy, *Assistant Professor*
Mr.M.Sambasiva Reddy, *Assistant Professor*
Mr.A.Anil Kumar Reddy, *Assistant Professor*

**Ministry of Electronics and Information
Technology (MeitY), GOI - E& ICT Academy,
NIT, Warangal**



**Sponsored
One week Faculty Development
Programme**

on

**“New Algorithms for Signal
Processing Hands on”**

20th- 27th April, 2018



**Organized by
Department of ECE**

**LAKIREDDY BALIREDDY COLLEGE OF
ENGINEERING (AUTONOMOUS)**

Approved by AICTE, New Delhi. Affiliated to
JNTUK, NACC 'A' Grade, NBA Accredited (ECE,
EEE, Mech), ISO 9001:2015 Certified Institution

MYLAVARAM -521230, KRISHNA (Dt),

Andhra Pradesh, India,

Ph: 08659-222933. Fax: 08659-222931

Website: www.lbrce.ac.in

About the College

The Lakireddy Bali Reddy College of Engineering (LBRCE) was established in the year 1998 by Lakireddy Bali Reddy Charitable Trust, whose architect is Er. Lakireddy Bali Reddy garu. The institute is established with the sole aim of providing high quality educational opportunities in the field of science, engineering, technology and management. It is spread over 60 acres of sprawling lush green landscape spotted with orchids and grooves. It is approved by AICTE, affiliated to JNTUK, Kakinada and attained autonomous status in the year 2010. It attained NAAC accreditation status with 'A' Grade.

LBRCE has sophisticated infrastructure with dedicated, well qualified and experienced faculty. A separate R&D cell is established in the college to focus on continuous sponsored research. It has various sponsored research projects by various funding agencies. All laboratories are equipped with state-of-the art facilities backed by advanced computer systems with latest software. The library is equipped with adequate volumes of books, journals with digital library facility.

About the Department

The Departments of **ECE** was started in the year 1998. It offers undergraduate program accredited by NBA (Tier-I) and NAAC of UGC New Delhi. The Dept is recognized as a Research Centre by JNTUK Kakinada. 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.

In R&D, we got DST projects and AICTE projects worth of Rs.1 Crore 12 Lakhs. AICTE has sanctioned Rs.10 Lakhs for the modernization of DSP/ECAD/EC Simulation Lab under MODROBS scheme in the year 2010. Signal Processing Lab has MATLAB R16a version, ECAD Lab has advanced FPGA boards Spartan 3E, Spartan6, Virtex 5, Virtex II Pro, Mentor Graphics Backend tools software, Xilinx VIVADO software for Embedded system design and Communication lab has Licensed ANSYS HFSS18 Software worth 28Lakhs for 300 users.

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. & Ph.D programs in various specializations.

About the Program

The goal the FDP on new signal processing Algorithms for a rapid dissemination of knowledge and experience to engineers and scientists working in the research, development and practical applications of signal processing. The classical theory of signal processing is based on models which are stationary, linear in many cases also assume that signals have Gaussian amplitude distributions. In recent years there has been a rapid growth in the applications of signal processing in many modern areas of engineering, communications and computing. The course will cover: Basic theory of linear and non-linear signal processing, different design techniques and apply various fast algorithms for filtering, adaptive systems and its properties.

Major Course Contents:

- Introduction to Digital Signal processing with hands on.
- Adaptive filter Design, System Identification and Channel Equalization using conventional algorithms.
- Genetic Algorithm and Particle swarm Optimization for adaptive filter design.
- Neural Networks and deep neural networks for Image processing applications.
- Speech analysis, recognition, analysis and synthesis.
- Radar Signal Processing.
- Biomedical Signal Processing.
- Differential Evolution and Radar Imaging.
- Adaptive beam forming techniques.

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: Basics knowledge of digital signal processing.

Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Pondicherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Pondicherry,	Rs. 1250/-
Andaman and Nicobar Islands, Goa (concession along with application form) Industry Participants	Rs. 9000/-
Participants from other states	Rs. 8500/-

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

How to reach LBRCE:

Mylavaram is situated at a distance of 40 Km. from Vijayawada. Participants can reach Mylavaram by boarding buses (at Vijayawada) run by APSRTC towards Tiruvur, Kothagudem & Bhadrachalam and city bus services (Bus number 350).

Accommodation:

Lodging and boarding will be provided at LBRCE 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:

Rose Hall, Admin Block, LBRCE, Mylavaram.

Address for Correspondence:

Mr. T Anil Raju, Assoc. Prof., 9989900350
Mr. M K Linga Murthy, Sr. Asst Prof., 9885396770