FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
"SPEECH PROCESSING"
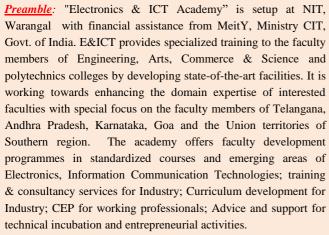**10th Dec – 16th Dec 2018**

Organized by
Department of Electronics and Communication Engineering
SPHOORTHY ENGINEERING COLLEGE
(NAAC ACCREDITED)
Sagar Road Hyderabad

In association with
National Institute of Technology, Warangal
Under the scheme of Electronics & ICT Academy
(Sponsored by MeitY, HRD division, Ministry of ICT, Govt. of India)

Preamble: "Electronics & ICT Academy" is setup at NIT, Warangal with financial assistance from MeitY, Ministry CIT, Govt. of India. E&ICT provides specialized training to the faculty members of Engineering, Arts, Commerce & Science and polytechnics colleges by developing state-of-the-art facilities. It is working towards enhancing the domain expertise of interested faculties with special focus on the faculty members of Telangana, Andhra Pradesh, Karnataka, Goa and the Union territories of Southern region. The academy offers 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.

About the Workshop:

Speech Processing is a scientific discipline as well as a technology frontier with immense applications. The treatment of speech processing requires an initial grounding in digital signal processing. This not only enables to understand why things appear the way they do in various spectrographic representations, but also allows a proper coverage of basic speech processing algorithms. As a scientific discipline it has a long history and as a technology area it is intensively explored both by industry and academia. On one side of the spectrum is the speech & language sciences, such as linguistics, phonetics and psychoacoustics and on the other side are the signal processing theory, pattern recognition and artificial intelligence. This leads to enhanced human-human & human-machine communication systems, such as speech and audio coding, automatic speech and speaker recognition, speech synthesis, speech enhancement etc. Pursuit of such wide ranging research and development demands a broad base of fundamental knowledge, as well as the mastering of clever algorithms and techniques.

Contents:
- ➢ *Nature of Speech Signals and Basics of Speech Processing*
- ➢ *Speech Production and Analysis*
- ➢ *Speech Enhancement and Coding*
- ➢ *Prosody Modeling and its Applications*
- ➢ *Speech and Speaker recognition*
- ➢ *Speech Emotion Recognition*
- ➢ *Deep Learning for Speech Processing*
- ➢ *Statistical Parametric Speech Synthesis*
- ➢ *Audio Processing*

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

Eligibility: The program is open to the faculty members of Engineering Colleges, other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry, Andaman and Nicobar Islands. Industry personnel working in the concerned /allied discipline can also attend.

Organized at: The programme is coordinated and conducted by the Department of Electronics and Communication Engineering of Sphoorthy Engineering College, Nadargul, Hyderabad. The whole course will be accomplished by academicians from premier institutions, Industry experts and Research advisors

Venue: **Dept. of Electronics and Communication Engineering., SPHOORTHY ENGINEERING COLLEGE, Hyderabad**

Registration & Fee Particulars:

Faculty and Research Scholars	**Rs.2500/-**
Faculty of SC/ST category (SC/ST participants should submit copy of their caste certificate)	**Rs.1875/-**
Industry Participants	**Rs.7500/-**

*SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form and it is only for faculty members of mentioned states.
*Research Scholars are not eligible for SC/ST concession.
*The entire registration fee to be collected in the form of DDs/online transfer using the following details:

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

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 both *hodece@sphoorthyengg.ac.in* and *ravikumar@nitw.ac.in* 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.sphoorthyengg.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

Duration of the Program	: 10th Dec -16th Dec 2018
Last Date to submit Application	: 3rd Dec 2018
Selection –List Intimation/Display by	: 6th Dec 2018

About NITW & SPHOORTHY COLLEGE:

NATIONAL INSTITUTE OF TECHNOLOGY (formerly Regional Engineering College), Warangal is the first among 17 REC's 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. The Department of Electronics and Communication Engineering offers B.Tech course in ECE, M.Tech courses in Advanced Communication Systems (ACS), VLSI Design and Electronic Instrumentation. The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations

SPHOORTHY ENGINEERING COLLEGE is one of the best engineering Colleges for aspiring engineering students. It is one of the colleges established under THOMA EDUCATIONAL SOCIETY. Sphoorthy Engineering College was established in 2005 with a single - minded aim to provide a perfect platform to students in the field of Engineering, Technology and Management for their academic and overall personality development. The College has a rich tradition of soaring high with academic excellence & overall personal growth of students. This is achieved by providing excellent academic environment and excellent infrastructure with the help of dedicated & highly qualified faculty members with M.Tech. & Ph.D qualification with decades of experience. State of art infrastructure includes labs with high quality equipment, rich collection of Library Books & IEEE, International, Indian journals and amenities.

Coordinators

Dr.N.SURESH
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Department of ECE
Sphoorthy Engineering College
Mobile: 9603899915,
email:hodece@sphoorthyengg.ac.in
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APPLICATION FORM

1. Name of the Applicant　　**:**

2. Designation　　　　　**:**　　　　　**3.** Institution　　　**:**

4. e-mail　　　　　　　**:**　　　　　**5.** Mobile No　　**:**

6. Category　　　　　　**:**　　　　　**7.** Payment Mode　**:**

　　　o　Faculty / Research Scholar (Rs.2500/-)　　　　Demand Draft No　**:** _____

　　　o　Faculty from SC/ST Category(Rs.1875/-)　　　NEFT No　　　　**:**_____

　　　o　Industry Participants(Rs.7500/-)　　　　　　Bank : _____　Date: _____

8. Address for Correspondence　　　　**:**

9. Educational Qualifications with specialization　:　　**10.** Subjects taught so far　　:

11. No. of Refreshment courses /workshops attended:

12. Experience (in Years):
　　　　　a.　Teaching:
　　　　　b.　Research:
　　　　　c.　Industry:
13. Is Accommodation required during training　:　　　YES/NO

14. 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. I assure you 100% attendance during this faculty development program.

Place:

Date:　　　　　　　　　　　　　　　　　　　　　　　　　**Signature of Applicant**

SPONSORSHIP CERTIFICATE

　　Dr/Mr/Mrs _____ is an employee of our institution/organization since _____ and is herby sponsored to participate in the FDP on "**SPEECH PROCESSING**" sponsored by Electronics and ICT Academy during **10th – 16th Dec 2018** at SPHOORTHY ENGINEERING COLLEGE, Hyderabad

Place:

Date:　　　　　　　　　　　　　　　　　　　**Signature of Principal / Head of Institution**

ADDRESS FOR CORRESPONDANCE

Post your application form along with the DD/NEFT Receipt No to

Dr.N.SURESH, Coordinator
HOD,Dept of Electronics and Communications Engineering
Sphoorthy Engineeering college, Nagergul(V),Near L.B.Nagar,
Sagar Road, Saroor Nagar(M), Ranga Reddy (Dist)
Telangana 501510

Mail the scanned copies of filled-in and duly signed application form with DD to
hodece@sphoorthyengg.ac.in

for any enquiry contact
Mobile : 9866549607,9000026000