DECLARATION
The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Director, UGC-Human Resource Development Centre, JNTUH, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :
Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE
Certified that ________________ is a regular employee of our Institution since __________, and is hereby sponsored for the Workshop on “Statistical Analysis for Signal and Image Processing”, at GNITS, Hyderabad, during the period 30-11-2015 to 05-12-2015, which is jointly organized by UGC-HRDC, JNTUH and GNITS, Hyderabad. From the year ______, our College is affiliated to ______________ University, which is approved by the UGC. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal
Place :
Date :

Note to Sponsoring Authority:
1. It is mandatory that the sponsored teachers, if selected, should be deputed for the Course.
2. Hardcopy application along with Rs. 1000/- D.D. is compulsory for confirming the participation.

Registration Fee:
Every Teacher Participant shall pay an admission fee (non-refundable) of Rs. 1000/- through D.D. in favour of Director, UGC-Human Resource Development Centre, JNT University Hyderabad, payable at Hyderabad, drawn in any nationalized bank, along with the through proper channel application.

Confirmation by Participants:
Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less than 40, the course may be re-scheduled.

Venue:
ECE Dept. Seminar Hall, ECE Block, G. Narayanamma Institute of Technology & Science (for Women), Shaikpet, Hyderabad - 500008
Timings: 9.30 am to 4.15 pm

Location of College and Transport:
The College is located 5 KMs from Mehdipatnam (on the way to HCU) near Darga Bus Stop. Bus route Nos: 118G, 216, 217, 116, 6C etc. from Mehdipatnam.

Important Dates:
Last date for Receipt of Application : 20-11-2015
at Dept. of ECE, GNITS, Hyderabad
Intimation of Selection to the candidates through e-mail/web/letter : 21-11-2015
Course Commencement : 30-11-2015
Advance copy of application may be submitted through e-mail followed by hardcopy.

Note: Participants are requested to look into website regularly for Selection List and for any other important information. Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.

Address for all Correspondence:
Dr. Renuka Methre
Assoc. Professor, Dept. of ECE
G. Narayanamma Institute of Technology & Science (for Women)
Shaikpet, Hyderabad – 500008, T.S.
Mobile No: 9441697653
e-mail: workshopsasi2015@gmail.com

For more details visit the website
www.gnits.ac.in

One-Week Workshop on
“Statistical Analysis for Signal and Image Processing”
(30-11-2015 to 05-12-2015)

Coordinators:
Dr. B. Balu Naik
Director, UGC-HRDC, JNTUH &
Dr. Renuka Methre
Assoc. Professor, Dept. of ECE, GNITS
Mrs. A. Sujatha Reddy
Asst. Professor, Dept. of ECE, GNITS

Jointly Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University
Hyderabad
Kukatpally, Hyderabad, T.S.

DEPT. OF ECE
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (FOR WOMEN)
ISO 9001:2008 Certified, NAAC Accredited
Shaikpet, Hyderabad, T.S.
INTRODUCTION:
The UGC-Human Resource Development Centre (previously known as Academic Staff College), Jawaharl Nehru Technological University Hyderabad organizes Orientation Courses, Refresher Courses, and Short Term Courses on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis.

During the current academic year 2015-2016, a One-Week Workshop on “Statistical Analysis for Signal and Image Processing” is proposed to be organised in association with G. Narayananma Institute of Technology & Science (for Women), Hyderabad, during 30-11-2015 to 05-12-2015, in the campus of GNITS, Hyderabad, on Self-Supporting basis. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of “first - come-first-serve”.

ABOUT GNITS:
G. Narayananma Institute of Technology & Science (for Women), was founded by Late Sri G. Pulla Reddy garu in 1997, with the objective of providing an excellent learning facility for women to pursue education in engineering and the institute aims to promote Technical Education among Women to enhance and build-up a new generation of thinkers, innovators and planners in the technical realms of Science & Technology. It is today considered one of the best engineering colleges in Hyderabad. GNITS is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), accredited by NAAC and is approved by All India Council for Technical Education (AICTE).

GNITS has recorded phenomenal growth in a short span of time. The college has five undergraduate programs in ECE, ETM, EEE, CSE, IT. In addition to UG, PG Programs in DECE, PEED, CSE, WMC and CNIS are offered. This college is situated in a nature-friendly environment in Hyderabad.

ABOUT ECE DEPARTMENT:
ECE Department was started in 1997 with an intake of 60 and in a short period, the intake was increased to 180. Department has conducted many state level short-term courses in Digital Image Processing, DSP, VLSI, Microprocessors & Micro controllers and paper presentations under IETE, ISTE and ECE associations. The department has well established labs, with state of art equipment like trainer kits for CDMA, GSM, DSP Processors etc., & advanced software like Active HDL, XILINX, Mentor Graphics tool, MATLAB, Multisim, P-Spice & KEIL. The department has highest student placements and Awards.

Eligibility:
- Teachers working in Universities and Colleges, that are included under section 2(f) of the UGC Act, are eligible to participate in this course.
- Faculty from the Departments of ECE, EEE, CSE, IT, ETM and related branches/disciplines.
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.
- It is mandatory that sponsored teachers, if selected, should participate in the Course.
- Part-Time/Adhoc/temporary/contract teachers who have been teaching for at least three academic sessions in an Institution which has been affiliated to a University for at least two years may be permitted to participate in the Course.

About the Workshop:
Statistical analysis for Signals and Images has become increasingly important in many technical and scientific fields. The aim of the course is to provide a basic knowledge of how to use probabilistic and statistical methods for signal and image analysis. This workshop provides methods for detection and estimation of signals, power spectral estimation, recognition and synthesis of speech, filtering, methods for representing, classification etc. and also provides hands on experience using MATLAB and LabVIEW to have in depth coverage of the topics.

COURSE CONTENT:
- Review of random process, Detection and estimation methods, Spectral Analysis
- Modeling of Speech signals using HMM and GMM
- Kalman filtering and its applications
- Image Transforms and its applications
- Bayesian Methods of classification, Clustering
- Recognition and Synthesis of Speech Signal
- Lab sessions using MATLAB on
  - Object tracking using kalman filter
  - PSD estimation techniques
  - Clustering methods
- Lab sessions using LabVIEW
  - Automated Industrial Image Processing
  - Hands on for Vision Inspection
  - Hands on for Image processing on hardware

Faculty:
Resource Persons are drawn from IIITH, NERTU, NITW, JNTUH and National Instruments.

APPLICATION FORM
Workshop on “Statistical Analysis for Signal and Image Processing”

1. Name: ........................................

2. Date of Birth & Age: ........................................

3. Gender (M / F): ........................................

4. Qualifications: ........................................

5. Category: SC/ST/OBC/Any other.

6. Teaching Experience: ........................................

7. a) Designation: ........................................
   b) Department: ........................................
   c) Pay Scale & Present Basic: ........................................

8. a) Institution: ........................................
   b) Affiliating University: ........................................

9. Whether your University/College is comes under UGC: YES / NO

10. Address for Communication: ........................................

11. College Address: ........................................

12. Phones Nos:
   (O)…………………………… (R)…………………
   MOBILE: ……………………………… Fax: …………………
   E - mail ID: ………………………………

13. D.D.No., Date and Bank details: ........................................

14. Nearest Railway Station: ………………………………

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