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SMEC,Secunderabad, Telangana, India

Program Coordinators
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Mr.R.V.Sudhakar,Assoc. Prof, CSE Dept.
Mr.D.Krishna, Asst Professor, CSE Dept.

Organizing Committee
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Dr. T. Poongothai, Prof., CSE Dept.
Dr.N.Satheesh,Prof., CSE Dept
Dr. G. Govinda Rajulu, Prof., CSE Dept.

CONTACT

Dr. T.Poongothai
Professor,CSE Dept,
SMEC, Secunderabad.
E-mail ID: drpoongothaicse@smec.ac.in
Mobile No: 9842710025

Dr,G.Govinda Rajulu
Assoc. Professor, CSE Dept,
SMEC, Secunderabad.
Email ID: drgovindacse@smec.ac.in
Mobile No: 7676911925

Mr. V.L.Kartheek
Asst. Professor, CSE Dept,
SMEC, Secunderabad.
Email ID:vkartheekcse@smec.ac.in
Mobile No.8985830747

Mr. D. Krishna
Asst. Professor, CSE Dept,
SMEC, Secunderabad.
Email ID: dkrishnacse@smec.ac.in
Mobile No. 9908710720

National Level Three Days Online Workshop
on
"AI & ML in Speech and Audio Processing"
(10th to 12th December, 2020)

Organized by

Department of Computer Science & Engineering

St. MARTIN'S ENGINEERING COLLEGE (UGC AUTONOMOUS)
Affiliated to JNTUH, Approved by AICTE,
Accredited by NBA & NAAC A+,
NIRF Ranked, ATAL Ranking of Institutions
on Innovation Achievements,
ISO 9001:2008 Certified
Dhulapally, Near Kompally,
Secunderabad-500 100, Telangana, India.

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About the College

St.Martin's Engineering College, an Autonomous Institution, situated in an eco-friendly environment, with state-of-art infrastructure. College has achieved the prestigious grade A+ from NAAC, UGC Paramarsh mentor, NBA accredited, NIRF Ranked, ISO certified, DSIR Recognition, Remote center of IIT Bombay, Member of CII and MSME certified Institution. Signed more than 82 MoUs with major companies' and institutions.

Careers 360 Certified as AA+; Competition Success Review Ranked 3 out of 20; Career Connect Ranked 13 'Best Engineering Colleges of India and Wikipedia Ranked 8th in Telangana. The college is bestowed with the glorious Governor Award twice; The Engineering Educators' Award 2019; NIRDPR Award (Govt. of India); IDF Best Partner Award; Dewang Mehta Award; TCS ION Award; CSI Award (Students Chapter); Best Innovation by Federation of Gujarat Industries and Street Cause-Most Dedicated Division. Best Sports College by Stumagz, Telangana, National Leadership Excellence Award- 2019 by ICCI.

About the Department

The Department of CSE have commenced right from the inception of this college in 2002 with an intake of 60 and subsequently CSE increased its intake to 240 by 2011.The department have well equipped laboratories with latest configuration systems. The department also provide R&D labs with an internet connection for the staff and students to take up their research work. The department have tie up with various Multi-National Companies which offers training in latest technologies, placements and Internships. The faculty members have authored 24 books, published 57 Patents and most of the research papers were published in SPRINGER, IEEE & SCOPUS indexed journals.

About the Workshop

Speech is the source of communication and the process of automated speech processing is having much important applications. Hence, the research on speech processing is highly essential and many research industries are introducing various AI based speech processing applications. The process of learning the fundamentals of speech and knowing the internal process of feature extraction and classification is highly essential to implement novel applications. Neural Networks, DNNs, and their importance for speech signal processing will be discussed in the workshop.

Workshop Objectives

✓ To acquire the fundaments in the field of speech processing and feature extraction techniques.

✓ The internal details of neural networks and back propagation with a motive to DNNs.

✓ The use of Deep Neural Networks for Indian Languages.

✓ Speech Production and Perceiving through machines.

Resource Persons

1. Dr. K. Sri Rama Murty, Associate Professor, IIT Hyderabad, Telangana.

   Profile: https://scholar.google.co.in/citations?user=PMHlwxQAAAAJ&hl=en

2. Dr. Anil Kumar Vuppala,Associate Professor,IIIT Hyderabad, Telangana.

   Profile: https://sites.google.com/view/welcome-to-anils-world/Home

3. Dr.Vishnu Yarlagadda, Sr. Assistant Professor, VIT, Vellore, Tamil Nadu.

   Profile: https://sites.google.com/site/yvsm007

Topics to be covered

✓ Speech, Image, Audio, Text, and Language Processing

✓ Neural Networks, Deep Neural Networks, Machine Learning Algorithms for Signal Processing.

Registration Details:

Students / Research Scholars : **Rs.195/-**

Academicians : **Rs.195/-**

Delegates from Industry: **Rs.295/-**

Last Date for Registration : **5th December, 2020**
(Limited Registrations only)

Account Details:

PRINCIPAL,
ST. MARTIN'S ENGINEERING COLLEGE
Account No: 30667640268(Current)
IFSC code: SBIN0011664
Bank Name : SBI, Kukatpally, Hyderabad
Swift Code: SBININBB725(International Delegates)

Paytm link:

Registration Link:

https://forms.gle/hS3K9s1PKS5Wa8Jz5

Timings of the Session : 5.00PM to 7:00PM

✓ **E-Certificate will be issued to all the registered participants.**

✓ **Workshop will be conducted in online.**