SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUH)

Thatti Annaram(v), Bandlaguda, Nagole, Hyderabad - 500068.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FIVE DAYS

FACULTY DEVELOPMENT

PROGRAMME

ON
"COMPUTER VISON ANND IMAGE PROCESSING"

17th October – 21st October, 2016
Organized by

Department of CSE

Sreyas Institute of Engineering and Technology
(Thatti annaram(v),Bandlaguda,Nagole,Hyd,500068)

Contact: csehod@sreyas.ac.in

Preamble:

Computer Vision tries to do what a human brain does with the retinal data that means understanding the scene based on image data. That mainly involves segmentation, recognition and reconstruction (3D) and these works together to give us the scene understanding. Computer Vision employs image Processing and Machine learning as well as some of the other mathematical methods to do the mentioned tasks. However, Image processing, is mainly focused on processing raw images without giving any knowledge feedback on them. For example if you want to do a semantic image segmentation (A computer vision task) you might apply some filtering on the image during the process (an image processing task) or try to recognize the objects in the scene(a machine learning task).

This FDP aims at providing strong theoretical background along with practical experience in the field of CV&IP and how the visualization and analysis of the images could be efficiently done with the help of image processing tools. In the growing and emerging era of "Digital India" initiative, the use of digital image processing becomes pertinent in the Image Processing area since several applications of the images determine and contribute towards socio-economic status of the regions and the country as whole. The image processing tools would be delivered by eminent resource persons of image processing experts.

Major Course Contents:

- Fundamental of IP (in spatial and Frequency domain), Object Tracking.
- PSO assisted Kalaman Filtering for object Tracking.
- Image Processing in Big Data.
- Digital Image Filtering
- Segmentation and Object Localization.
- Classical to soft computing Approaches.
- Detection of temporal discontinuities in video sequences.
- Deep Neural Networks for detection of temporal discontinuities
- Hardware Design accepts for machine learning algorithms.
- Hardware implementation of face recognition system
- Installation of Hadoop, SPARK clusters and integrating them with MATLAB for text and Image Processing Hands-on Experiences

Eligibility:

The programme is open to the teachers of Engineering Colleges, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh. Industry personnel working in the concerned /allied discipline can also attend

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 vignesh.j@sreyas.ac.in and selection will be intimated only through mail.

About Sreyas :

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RESOURCE PERSON:

Eminent faculty from academia and industry/ organizations will be handling the sessions.

- ➢ Dr.Ch. Samun
    Professor, Department of CSE
    MVSR Engineering College.

- ➢ Dr.MA.Azeem
    Professor, Department of CSE
    MVSR Engineering College.

WHO CAN ATTEND:

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REGISTRATION:

Interested candidates can visit the following link:

https:www.sreyas.ac.in

REGISTRATION FEE:

Faculty	: Rs 700
Research Scholar & Industry Persons	: Rs 1000

IMPORTANT DATES:

Last date of Registration	: 12.10.16
Notification of acceptance	: 14.10.16

ORGANIZING COMMITTEE:

Chief Patrons:

Mr.CH,Ravindranath yadav

 Secretary

Mr.Ananthula Vinaykumar Reddy

 Chairman

Patron:

Dr. Suresh Akella

Principal

Convener:

 Mrs JOSHI PADMA

 HOD/CSE

 Co-ordinator(s):

 Dr. J VIGNESH

 Professor Cse

 Dr R RAMESHKUMAR

 Associate Professor Cse

For further information, please contact:

Dr. J VIGNESH	Dr R RAMESHKUMAR
Assoc Professor CSE	Assoc Professor CSE
Ph: 8106193443	Ph: 9110500550

REGISTRATION FORM

Name   :
(in Capital letters)

Institution /
Organization Name   :

Designation   :

Department   :

Address
for Communication   :

Email id   :

Mobile No   :

Date   :

Signature of the candidate

CERTIFICATE

This is to certify that .... is a faculty of our institute and is permitted to attend the Five Day FDP on "Computer Vision and Image Processing".

Signature of Head of the Institution
(With office seal)

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RESOURCE PERSON PROFILE

Dr. CH SAMSON
Designation: Professor
Academic Qualifications: Ph.D
Email: samson_cse@mvsrec.edu.in

Area of interest: Image Processing, Cryptography and Network Security.

Subjects taught at U.G Level: Computer Networks, Digital Image Processing Mobile Computing, Data Communication, Operating Systems, Network Protocols, Wireless Networks, Information Security, Advanced Computer Architecture Computer Organization, Wireless Communications, E-commerce, C Programming, Computer Graphics, Unix Shell Programming , Network Programming, Object oriented Analysis and Design.

Subjects taught at P.G Level: Data Structures and Algorithms, Advanced Computer Networks, Wireless Networks and Mobile Computing, Image Processing, Information Security

Number of Research Papers/Journals/Books published: 25

Number of Workshops/Conference/FDP/Seminar conducted& Attended: 24

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PRINCIPAL

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BESIDE INDU ASHUYA , NAGOLE
HYDERABAD-500 068

SREYAS Institute of Engineering & Technology

Dr. MA Azeem CSE, MVSR

Mohammed Abdul Azeem is working as Associate Professor in CSED of Maturi Venkata Subba Rao Engineering College since 1999.He is a Research Scholar in CSE Department at JNTU,Hyderabad.He did his B.E and M.Tech in Computer Science & Engineering from Osmania University and pursuing his Ph.D in Wireless Sensor Networks from JNTU Hyderabad. His area of specialization includes Mobile Ad hoc Networks, Sensor Networks, Network Security, Data Structures & Algorithms and Information Security. He has published 8 papers in international journals and 2 papers presented in national conferences and 2 papers presented in international conferences. He is a life member of CSI and IEI.

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Number of Research Papers/Journals/Books published: 6

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 Professor Cse
 Dr R RAMESHKUMAR
 Associate Professor Cse

For further information, please contact:

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Assoc Professor CSE   Assoc Professor CSE
Ph: 8106193443   Ph: 9110500550

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Name   :
(in Capital letters)

Institution /
Organization Name   :

Designation   :

Department   :

Address
for Communication   :

Email id   :

Mobile No   :

Date   :

Signature of the candidate

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