

**NATIONAL
WORKSHOP
ON
IMAGE AND VIDEO ANALYTICS
USING MATLAB TOOLS**

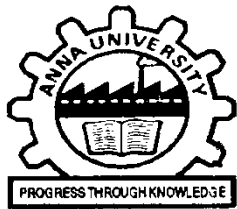
12th & 13th March 2013

Convener

Dr. V. Vaidehi,
Professor and Head
Department of Information Technology

Coordinators

Mr. C. Sunil Retmin Raj



Organized by

**Department of Information Technology,
MIT Campus, Chromepet,
Anna University, Chennai - 600044**

Objective

This workshop is intended to provide opportunity to Faculty members, Research scholars, Industry participants and the Students to enrich their knowledge in the area of recent development in Image and Video Analytics and its applications.

About Anna University Chennai

Anna University was established on 4th September, 1978 as a unitary type of University. Its constituent colleges are College of Engineering Guindy, Madras Institute of Technology, Alagappa College of Technology and the School of Architecture and Planning. It offers higher education in Engineering, Technology and allied Sciences that are relevant to the present needs of the society. Anna University successfully launched university micro-satellite 'ANUSAT' sponsored by ISRO which was functional for three year period (2009 – 2012).

About Madras Institute of Technology (MIT)

Madras Institute of Technology is a pioneer institute, established by the great visionary and industrialist Shri C.Rajam on 18th July, 1949. The education in this institute is application oriented, thereby helping the students make a smooth transition from college to the industrial world. MIT campus of Anna University offers higher education with the objective of devising and implementing programs of education in engineering and technology, constituting a blend of the conventional and unconventional career courses in UG, PG & Ph.D levels that are relevant to the current and projected need of society. This is reflected in the profile of the vast number of MIT alumni occupying key positions in various MNCs and Research Organizations all across the globe. Shri Dr. A.P.J. Abdul Kalam, our formal President of India is an illustrious alumnus of MIT.

About the Information Technology Department

The Department of Information Technology was established in the year 2000 with the objective of imparting knowledge towards cutting-edge technologies in Information Technology and Computer Science. The computational needs of the researchers and engineers are met through well equipped laboratories. The resources in the department are continually updated with the changing industrial trends. The department has well equipped laboratories with facilities that are vital to train the students in state-of-art software and hardware. IT department has received funding from (i) DST - FIST scheme for setting up Sensor Network and Cloud Computing lab, (ii) DST - NRDMS for the project "Complex Event Processing in Sensor Networks", (iii) UGC - DRS - SAP research grant for Pervasive Computing, (iv) UGC major research grant for the project "Video streaming in 3G wireless networks for Telemedicine Application". This department organizes several workshops, conferences (ICRTIT) and Faculty Development Programs for the benefit of the society.

About the workshop

Image analytics focuses on the algorithmic extraction and logical analysis of information found in image data using digital image processing techniques whereas video analytics is the capability of analyzing video to detect and determine temporal events not based on a single image. This workshop is designed to introduce the tools for analyzing images and videos whose content ranges from persuasive videos (ads, propaganda, news) to YouTube videos. The purpose of video analysis is to gain insight into the contents of large collections of video and to focus detailed analysis on a smaller set of videos out of that collection. The capability to explore, categorize, and annotate videos is required by multiple types of analysts. The central concerns of this workshop

are developing user interfaces and techniques that support these activities including techniques in image processing, review of image analysis methods and approaches currently being used and developed. However, the workshop goes beyond retrieval of images to interacting with a large video collection that one may have received from a query.

Speakers

Professors from MIT campus, CEG campus and industries.

Target Audience

The workshop is designed to appeal to a wide variety of participants and include: Industry Delegates, Academic Faculty, Researcher Scholars, and UG/PG students aspiring to join in the IT World.

Topics to be covered

- Review on Image and Video Analytics.
- Fundamentals of Image Processing (Hands on session with MATLAB coding)
- Advances in Image Processing.
- Fundamentals in Video Analytics.
- Applications of Image and Video Analytics.

Programme Fee

No fees

Important Dates

Date of registration: 11 March 2013

Registration

Registration will be done on "FIRST COME FIRST SERVED" basis. As seats are limited, early registration is recommended. Accommodation should be arranged by the participants only.

For registration related information, please contact

Phone No. : 044 2251-6019

Email id : retmin@mitindia.com

Workshop on IMAGE AND VIDEO ANALYTICS USING MATLAB TOOLS

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APPLICATION FORM

Name : _____
Designation : _____
Department/
Organization : _____
Address : _____

Phone : _____
E-mail : _____

Declaration

The information given is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop. If selected, I shall attend the workshop for the entire duration.

Date:

Place:

Signature of the applicant