Video Analytics for Smart Surveillance Technology

MIMOS Berhad
7 & 8 December 2017 (2 days)
9.00am - 5.00 pm

COURSE OVERVIEW

Understand the key concepts of video surveillance and its potential through cases studies and review of real business applications. Understand the infrastructure requirements and technologies to implement video surveillance & analytics projects.

LEARNING OUTCOMES

Upon completion, participants should be able to demonstrate each of the following:

- Understand the fundamental principles of image and video analysis and have an idea of their application
- Understand key concepts of video surveillance system and video analytic
- Understanding of algorithms to problems in image and video processing: from preprocessing, to quantitation and video interpretation.
- Understand technologies and methodology required for the implementation

METHODOLOGY

- This course will be an instructor led session
- Use cases and examples will be used throughout the course to help build and apply the concepts and knowledge.

TARGET GROUP

To anyone who is managing analog CCTV solution or tendering for, evaluating and purchasing CCTV cameras and network video solutions.

COURSE OUTLINE

DAY 1: Introduction to Video Surveillance System

1.1 Evolution of Video Surveillance System
- Major key drivers to the growth of video surveillance system
- Key market leaders and in video surveillance system
- Video surveillance system architecture

1.2 Smart Video Surveillance System
- What is Smart Video Surveillance System
- Values in the Smart Video Surveillance System
- Smart video surveillance system case study

1.3 Video Analytics
- What is Video Analytics
- Video Analytics Functionality, Type and Alert Type
- Working principle of Video Analytics
- Challenges of Video Analytics
- Common parameter configuration

Day 2: Deployment of Smart Video Surveillance System

2.1 Preliminary consideration and setting
- Camera type, location, angle and view
- Suitability of the scene with video analytics type
- Hardware requirement
- Network requirement
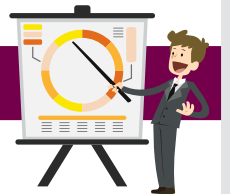- Server and client setup procedures

2.2 Smart clients in Video Surveillance System
- Standard client (matrix view)
- Focus view (HD viewer)
- 2D map
- 3D visualizer
- Event summarizer (event viewer)
- Forensic search

2.3 Setting up Video Surveillance System
- Camera and Video Analytics configuration
- Server setup and configuration
- Client setup and configuration

INSTRUCTOR PROFILES

Liang Kim Meng

Principal Researcher in Advanced Informatics Lab in MIMOS Berhad. He graduated with M.S in Image Processing in 2003. He is certified with Green Belt Six Sigma, TRIZ (Problem Solving Methodology) and Infrared Thermography. With his vast knowledge in image processing and pattern recognition, he had more than 50 patents and 20 white papers filed under his name.

Zulaikha Kadim

Zulaikha Kadim is a Senior Staff Researcher in Advanced Informatics Lab in MIMOS Berhad. She was graduated with Master in Engineering in 2005 from Multimedia University and joined MIMOS in 2007. In MIMOS, she is responsible for managing research group in conducting research, algorithm designing and prototyping in the domain of Image Processing, Image Understanding and Machine Vision, writing technical paper (research publication and patent idea). She has more than 10 years of experience in designing and developing video analytics software. She has more than 42 patents filed related to video analytics under her name.

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Register Now!

(Limited seats available)

REGISTRATION FORM
Video Surveillance System & Its Analytics
MIMOS Berhad
7 & 8 December 2017 (2 days)

Please complete this form and fax or email to us

COURSE FEE	Fee per participant	Fee inclusive GST
☐ Standard Registration	RM 2,400.00	RM 2,544.00
☐ Early Bird Registration (Before 25 October 2017)	RM 2,160.00 (10% discount)	RM 2,289.60
☐ Group Discount (Minimum 3 participants)	RM 2,160.00 (10% discount)	RM 2,289.60
☐ Technology Recipient (TR), Government, Universities & Colleges	RM 1,920.00 (20% discount)	RM 2,035.20

No	PARTICIPANT DETAILS	CONTACT INFORMATION	MEAL PREFERENCE
1	Name: Designation:	Email: Mobile No.:	☐ Vegetarian ☐ Non-Vegetarian
2	Name: Designation:	Email: Mobile No.:	☐ Vegetarian ☐ Non-Vegetarian
3	Name: Designation:	Email: Mobile No.:	☐ Vegetarian ☐ Non-Vegetarian
4	Name: Designation:	Email: Mobile No.:	☐ Vegetarian ☐ Non-Vegetarian

Organisation : ....

Postal Address : ....

Tel : .... Fax : ....

Contact Person : .... Position : ....

Email : ....

AUTHORISATION
I understand and agree to MIMOS Berhad terms and conditions (Signatory must be authorised to sign on behalf of the Organisation)

Name of the Authorised Person : ....

Position : .... Date : ....

Signature and Company Stamp:

Terms & Conditions:

1) Upon received of this registration form (MIMOS), we will invoice to the contact-person for payment processing.

2) Payment is required within 30 days upon receipt of the invoice. All payment must be received 7 working days prior to the training date. The fee shall includes luncheon, coffee/tea breaks and training materials.

3) This quotation includes Government Service Tax (GST).

4) Mode of Payment – **Cheque** or **Bank Drafts** to be made payable to **MIMOS Berhad**.

5) Cancellation or postponement - Any cancellation must be made in writing and to reach us no later than 10 working days prior to the training date. If written notice is received in less than 10 working days, 100% of total fees is chargeable. A substitute delegate with similar background and competencies, is always welcome at no additional charge.

6) Our instructor(s) and topics are confirmed at the time of this print. However, circumstances beyond the control of the organizers' may occur and MIMOS Berhad reserves the rights to alter or modify the advertised speakers/ topics if necessary.

To Register & for More Information:
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