UTM
UNIVERSITI TEKNOLOGI MALAYSIA

KERANA TUHAN UNTUK MANUSIA

PROFESSIONAL CERTIFICATE IN
SENSOR TECHNOLOGIES FOR
COMMAND, COMMUNICATIONS, CONTROL, COMPUTERS AND INTELLIGENCE (C4I) INFRASTRUCTURE

OCTOBER INTAKE
UTMSPACE KUALA LUMPUR

14 days (blended learning)

SYNOPSIS

The synergies among the elements of the Industry 4.0 such as big data, artificial intelligence, and autonomous system will dictate the conduct conflicts and could provide the winning edge over an adversary. Emerging domains such as cyber and space will be contested with the introduction of new weapon technologies such as rail guns, directed energy weapons and hyper-velocity projectiles. The use of both active and passive sensors located at remote locations and the connectivity over various data link technologies of a C4I infrastructure allow the command structure to acquire near real-time situation report with decision assisted by artificial intelligence and big data. This program begins with the description of operational frame of a C4I infrastructure followed by propagation characteristics of signals, sensor technologies such as radar and vision surveillance system, and data link over terrestrial communication infrastructure. History has demonstrated over past conflicts that victory is on the side that controlled the C4I domain.

COURSE CONTENT

1. Operation framework of C4I infrastructure
2. Signal propagation
3. Radar fundamentals and technologies
4. Radar signal processing and detection
5. Modern Video Surveillance System
6. Terrestrial communication technology

TARGET PARTICIPANTS

Military, law enforcement, defense industries and any organization that is involved in the procurement, integration and deployment of C4I systems.

FACILITATORS

Assoc. Prof. Dr. Ahmad Zuri bin Sha'ameri

Prof. Dr. Jafri bin Din

Assoc. Prof. Dr. Nor Hisham bin Haji Khamis

Dr. Musa bin Mohd Mokji

Dr. Shahidatul Sadiah Abdul Manan

UTMSPACE
ESTD 1993

IN-HOUSE Courses can be designed in accordance with organizational requirements.

Centre for Professional Development, UTMSPACE Johor Bahru

07-521 8159 (Ms. Nurul Ain)

07-520 5725

nurulain@utmspace.edu.my

HRDF TRAINING PROVIDER

HRDF Claimable

REGISTRATION FORM

To confirm your registration, please complete this form including payment.

☐ YES! Please register the following participant(s) for this course

☐ I am interested but unable to attend. Please put me on your mailing list

Please tick (/) where applicable

Course Name : **Professional Certificate in Sensor Technologies for Command, Communications, Control, Computers and Intelligence (C4I) Infrastructure**

Date : **October Intake**

Venue : **UTMSPACE Kuala Lumpur (Blended Learning : Face to face & online)**

Fee : **RM3800.00** per pax

PREREQUISITE
Minimum SPM holder with 5 years experience in the related fields

*DETAILS OF PARTICIPANT ATTENDING THE COURSE :

No.	Name of Participant	Mobile No.	Email	NRIC (for HRDF claim)	Fee (RM)
					Total

(Please attach a separate list if necessary)

*UTMSPACE respects the privacy of its customers with regards to personal data. For futher details, please visit: www.utmspace.edu.my/pdpa

SPONSORSHIP : ☐ Self-Sponsored ☐ Company-Sponsored

INDIVIDUAL / COMPANY DETAILS (for issuance of invoice) :

Organisation : _____

Address : _____

_____

Contact Person : _____ Co. Reg. No* *If applicable : _____

Tel No. : _____ Designation : _____

Fax No. : _____ Email : _____

Cancellations received in writing 30 days prior to the programme are eligible for a refund, subject to a 15% cancellation fee. Cancellations received less than 14 days from the date of the programme are not eligible for a refund. However, substitute attendees are welcome. Please note that the speakers and topics are confirmed at the time of printing. However, circumstances beyond the control of the organisers may necessitate substitutions or cancellations of speakers and/or topics. As such UTMSPACE reserves the right to alter or modify the advertised speakers and/or topics.

Authorised Signature* : _____ Date : _____

Name : _____ Designation : _____
* Head of Department / Approving Manager

Company Stamp

MODE OF PAYMENT

A. Cheque or Bank Draft

Cheque No. / Bank Draft No. : _____ Bank/ Branch : _____

All crossed cheque / bank draft should be made payable to Account Name : UTMSPACE
Account Number : 8601518228 | Bank Name : CIMB Islamic Bank Berhad | Branch : UTM Skudai, Johor

B. Telegraphic Transfer / Local Order

Transaction Date : _____ Reference Number : _____

| Terms & Conditions Apply |