



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

PROFESSIONAL CERTIFICATE IN

DATA LINK TECHNOLOGIES FOR COMMAND, COMMUNICATIONS, CONTROL, COMPUTERS AND INTELLIGENCE (C4I) INFRASTRUCTURE

 **OCTOBER INTAKE** (16 DAYS) BLENDED LEARNING
UTMSPACE KL



LEARNING OUTCOMES

- Acquire knowledge in the operational concept of C4I for defense and homeland security.
- Provide an overview of the various datalink technologies such as terrestrial, satellite and HF communication, and data networks.
- Awareness of present day applications and future development in datalink technology and data networks for C4I in-line with conflicts in the Industry 4.0 era.






COURSE CONTENTS

1. Operation framework of C4I infrastructure.
2. Signal propagation.
3. Satellite communication.
4. HF communication.
5. Computer and data communication.
6. Information security.

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

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UTMSPACE Johor Bahru
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SYNOPSIS

The synergies among the elements of the Industry 4.0 such as big data, artificial intelligence, and autonomous system will dictate the conduct of 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 signal propagation characteristics, data link via satellite, terrestrial communications or HF radio technologies, and data and computer network that forms the core of the C4I infrastructure. The protection of information in transit and storage will be addressed to ensure confidentiality, integrity and availability. History has demonstrated over past conflicts that victory is on the side that controlled the C4I domain.



FACILITATORS



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



Prof. Dr. Jafri bin
Din



Assoc. Prof.
Muhammad
Munim bin
Ahmad Zabidi



Dr. Shahidatul
Sadiyah Abdul
Manan

TARGET GROUPS

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

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 Data Link Technologies for Command, Communications, Control, Computers, and Intelligence (C4I) Infrastructure**

Intake : **October 2020**

Venue : **UTMSPACE KL (16 DAYS) Blended Learning**

Fee : **RM3,950.00** per pax



***DETAILS OF PARTICIPANT ATTENDING THE COURSE :**

No.	Name of Participant	Mobile No.	Email	NRIC	Fee (RM)

(Please attach a separate list if necessary)

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

Total

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Organisation : _____

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*If applicable

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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 |

FOR FURTHER INFORMATION, PLEASE CONTACT:

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