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KENYATAAN MEDIA

HEBAHAN SEGERA

KERJASAMA UTM - CSM DALAM *INTEGRATED CYBER EVIDENCE (ICE)*

Kuala Lumpur, 11 Feb 2016 – Majlis menandatangani dokumen Memorandum Perjanjian (MoA) di antara Universiti Teknologi Malaysia (UTM) dengan CyberSecurity Malaysia (CSM) telah diadakan di Universiti Teknologi Malaysia Kuala Lumpur. UTM diwakili oleh Naib Canselor, Prof. Datuk Ir. Dr. Wahid bin Omar manakala CSM diwakili oleh Ketua Pegawai Eksekutif, Dr Amirudin Bin Abdul Wahab.

CSM merupakan agensi pakar keselamatan siber negara di bawah Kementerian Sains, Teknologi dan Inovasi (MOSTI) yang menyediakan perkhidmatan keselamatan siber khusus untuk mengenal pasti bidang-bidang yang menjejaskan keselamatan negara serta keselamatan awam. Agensi ini juga menyokong dan menyediakan bantuan teknikal serta perkhidmatan latihan untuk pengurusan krisis siber negara.

Advanced Informatics School, Universiti Teknologi Malaysia (UTM AIS) pula merupakan sekolah siswazah dan pusat rujukan dalam bidang kejuruteraan perisian, jaminan maklumat, informatik dan kejuruteraan sistem. UTM AIS mempunyai sumber dan kepakaran dalam bidang penyelidikan dan pembangunan teknologi siber, forensik digital serta bidang-bidang lain yang berkaitan.

Analisis forensik digital di dalam bidang ancaman siber melibatkan jumlah data yang besar. Amalan biasa tidak lagi boleh menyokong jumlah data tersebut. Oleh itu kerjasama UTM AIS-CSM dapat membangunkan teknologi analisis data raya dan kepakaran untuk mengatasi masalah infrastruktur siber sedia ada yang tidak berpusat di Malaysia.

Kerjasama selama dua tahun merangkumi pembangunan *Data Warehouse*, *Data Analytics* dan *Data Visualisation*. Projek ini bertujuan untuk membangunkan infrastruktur *Integrated Cyber Evidence (ICE)* yang berfungsi untuk, mengurus dan menyimpan dengan selamat data forensik siber. UTM AIS juga akan menyediakan siri Latihan Data Raya dan bekerjasama dalam melahirkan graduan PhD Industri. CSM akan membiayai sejumlah RM2.28 juta untuk pembangunan projek dan latihan. Makmal satelit untuk Data Besar dan Forensik Digital (*Big Data and Digital Forensic*) akan dibina di UTM AIS yang dilengkapi dengan perkakasan dan perisian canggih.

Menurut Prof. Wahid, kerjasama ini sejajar dengan misi UTM untuk menjadi peneraju dalam pembangunan modal insan dan teknologi inovatif yang akan menyumbang kepada penciptaan kekayaan negara serta cemerlang di peringkat dunia.. UTM berharap kerjasama ini akan menjadi titik permulaan bagi pelbagai usaha sama lain dalam perkongsian kepakaran pada masa akan datang,

Sementara itu, Dr. Amirudin Abdul Wahab pula optimis kerjasama ini akan menjurus kepada kerjasama projek penyelidikan dan pembangunan dalam bidang *DSTIN Flagship ICE Advanced Forensics Examination & Analysis*.

Untuk maklumat lanjut, sila hubungi:

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PRESS RELEASE

IMMEDIATE RELEASE

UTM-CSM COLLABORATION IN INTEGRATED CYBER EVIDENCE (ICE) PROJECT

Kuala Lumpur, 11 February 2016 – The signing and exchanging of a memorandum of agreement (MoA) document, involving research collaboration between the CyberSecurity Malaysia and Universiti Teknologi Malaysia (UTM) was held at Universiti Teknologi Malaysia Kuala Lumpur, this afternoon. UTM was represented by UTM Vice-Chancellor, Prof. Datuk Ir. Dr. Wahid Bin Omar and CyberSecurity Malaysia was represented by the CEO, Dr Amirudin Bin Abdul Wahab.

CyberSecurity Malaysia is the national cyber security specialist and technical agency under the purview of the Ministry of Science, Technology and Innovation (MOSTI). The Malaysian Government gazetted CyberSecurity Malaysia as an agency that provides specialised cyber security services and continuously identifies possible areas that may be detrimental to national security and public safety. As a specialist agency, CyberSecurity Malaysia supports and provides technical assistance as well as training services for national cyber crisis management.

UTM AIS has been a referral centre and graduate school that specialized in the fields of Software Engineering, Information Assurance, Informatics and System Engineering. It plays a major role in contributing to UTM's achievement in research, publication and consultancy. UTM AIS also has vast resources in terms of facilities and expertise in research and development in the field of cyber technology, digital forensics and related areas.



INTELLECTUAL
PROPERTY AWARD 2010
Organisation Category
2006, 2009 & 2010



MERDEKA AWARD 2009
Outstanding Scholastic Achievement and
Health, Science & Technology



Reader's Digest
TRUSTED BRAND 2010
University Category

Digital forensic analysis on cyber threats involves huge amount of data where the common practice can no longer support large volume of data and becoming insufficient to accommodate statistical and predictive analysis. Thus, CyberSecurity Malaysia in collaboration with UTM AIS decided to invent and develop big data analysis technology and expertise to overcome the un-centralised cyber evidence infrastructure in Malaysia.

The UTM AIS-CSM collaboration is a two-year project, comprising the development of a (i) Data Warehouse (ii) Data Analytics and (iii) Data Visualisation. The first component of the project aimed to develop Integrated Cyber Evidence (ICE) infrastructure, which will facilitate, manage, securely store and access cyber forensic data. The Data Analytics component aimed to develop big data analytic system that able to analyse huge volume of digital evidences. The final component aimed to improve the computing process in big data forensic via Graphical Processing Unit (GPU) technology enhancement. UTM AIS will also provide series of Big Data trainings and collaborate in producing PhD Industry graduates. CyberSecurity Malaysia will be funding a total of RM2.28 Million for the project development and trainings. A Satellite Laboratory for Big Data and Digital Forensic will also be setup at UTM AIS, in which will be equipped with cutting-edge hardware and software.

According to Prof. Datuk Ir. Dr. Wahid, this collaboration is very much in line with the mission of UTM to become a leader in the development of human capital and innovative technologies that will contribute to the nation's wealth creation. As a leading innovation-driven entrepreneurial research university in engineering science and technology, this collaboration is also in line with UTM's vision to become a world-class centre of academic and technological excellence. UTM, which is now ranked 100th in the field of Engineering and Technology by the 2015/2016 QS World University Rankings,

"UTM hopes that the signing of this MoA will be the starting point for the onset of various other joint ventures in the sharing of expertise in the future, particularly in boosting industrial development activities, courses, training and research, both locally and globally. It is only through such a strategic alliance would we be able to generate more impactful outcomes towards wealth creation and universal prosperity", said Prof. Datuk Ir. Dr. Wahid in his closing address.

Meanwhile, Dr Amirudin Abdul Wahab, CEO of CyberSecurity Malaysia said, “Through this MOA, the focus will lead to collaboration and cooperation in research and development projects in the field of DSTIN Flagship ICE Advanced Forensics Examination & Analysis. We hope that through this collaboration, CyberSecurity Malaysia would be able to conduct a forensic examination and analysis of advanced large-scale data. This is in line with the national goal of becoming a developed nation and high technology by the year 2020 through collaboration between industry and academia.”

For more information, please contact:

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