

PUSAT TEKNOLOGI MAKLUMAT : CROSS FUNCTIONAL COLLABORATION ACTIVITIES

CROSS FUNCTIONAL COLLABORATION ACTIVITIES 2019 – 2021

PUSAT TEKNOLOGI MAKLUMAT – HIGHER EDUCATION INSTITUTION COLLABORATIONS			
Project	HEI	Description	PTM/UM Staff team
Collaborating to carry out activities determined under Data Centre Domain	Universiti Sains Islam Malaysia (USIM)	Scope of Collaboration : 1. Design and Infrastructure of Data Center Management 2. Server and Storage Management 3. Data Center Networking Management 4. Data Center Security Management 5. Database and Backup Management 6. Disaster Recovery Center Management	1. Mazmir Bin Mohd Amin 2. Junnaini Binti Ismun

PUSAT TEKNOLOGI MAKLUMAT – INDUSTRY COLLABORATIONS			
Project	Company	Description	PTM/UM Staff team
Robotic Automation Systems (RPA) - PoC	Insite My.Com Sdn Bhd	To demonstrate a Robotic Automation System that can convert repetitive menial work task into an highly effective automated process Start Date : 28 Aug 2020 End Date: 30 Sep 2020	1. Nor Azliza binti Ab Wahab 2. Shafie Abdul Kadir
CSAT-Cyber Security Assessment Tool	Vigilant Asia (M) Sdn. Bhd.	To explore a tool that can assess the current security status and recommend improvements based on facts. The tool collects relevant security data from the hybrid IT environment by scanning e.g. endpoints, Active Directory and Office 365. Additionally, CSAT uses a questionnaire to collect data about policies and other key indicators. Start Date : 26 Feb 2020 End Date : 31 Jul 2020	1. Nor Azliza binti Ab Wahab 2. Mohd Ikmal Zainuddin
Network Access Control	Powerbloc Generation Sdn. Bhd.	To explore full network surveillance for all network-enabled devices and provide dynamic access control to maintain compliance with IT security policies. Start Date : 27 Nov 2019 End Date : 1 Jun 2020	1. Nor Azliza binti Ab Wahab 2. Shafie Abdul Kadir
DNSVault Intelligence Threat Protection	DNSVault Sdn. Bhd	To demonstrate DNSVault Intelligence Threat Protection in Real Environment at Pusat Teknologi Maklumat University of Malaya Start Date : Oct 2019 End Date : Dec 2019	1. Mohd Faudzy bin Sulaiman 2. Nor Azliza binti Ab Wahab
Trend Micro Deep Security Inspector (DDI)	Trend Micro (Malaysia) Sdn Bhd	1) How TM can help us to rectify malware issues in some windows server 2) How to plan for future prevention by leveraging virtual patches functionality Start Date : 29 Mei 2019 End Date : 29 Jun 2019	1. Nor Azliza binti Ab Wahab 2. Mohd Fauzey Mohamad Rahim

User and Entity Behavior Analytics	Adaptive Netpoleon Malaysia Sdn. Bhd.	To explore the playing field against attackers at every phase of the workflow—from collection and detection, to triage and investigation, and response PoC Date :18 Apr 2019	1. Nor Azliza binti Ab Wahab 2. Shafie Abdul Kadir
IoT Electrical Data Collection Method Analysis and Visual Display 2. IoT Electrical Data Benchmarking Gap Analysis	Tinselworks Sdn Bhd	1. To explore, develop and commission an automated process to showcase the data on dashboard 2. To conduct gap analysis and benchmarking of the data obtained from DPM hardware Start Date : Dec, 2019 End Date: Jan, 2020	1. Anisah Johari 2. Mohamad Safwan Jusof
Licence Plate Recognition Platform	MIMOS Berhad	A scalable automated licence plate recognition platform that processes and analyses video from vehicle surveillance systems. Start Date : Jan, 2020 End Date : June 2020	1. Ahmat Izzat Aris 2. Mazmir Mohd Amin 3. Mohamad Safwan Jusof
Log Analysis Tool	Secure Source Distribution (M) Sdn Bhd	Do log collection, consolidation dan correlation analysis from 3 pillars perspective: 1) Security Information and Event Analysis (SIEM) 2) User Behaviour Analysis (UEBA) 3) SOAR (Security Orchestration, Automation and Response) Start Date : 23 Jan 2019 End Date : 05 Apr 2019	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir
Log Analysis Tool	Netpoleon Malaysia Sdn. Bhda	Do log collection, consolidation dan correlation analysis from 3 pillars perspective: 1) Security Information and Event Analysis (SIEM) 2) User Behaviour Analysis (UEBA) 3) SOAR (Security Orchestration, Automation and Response) Start Date : 15 Mar 2019 End Date : 03 Jun 2019	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir
Log Analysis Tool	Tech Titan Distribution Sdn Bhd	Do log collection, consolidation dan correlation analysis from 3 pillars perspective: 1) Security Information and Event Analysis (SIEM) 2) User Behaviour Analysis (UEBA) 3) SOAR (Security Orchestration, Automation and Response) Start Date : 05 Feb 2019 End Date : 19 Apr 2019	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir

CROSS FUNCTIONAL COLLABORATION ACTIVITIES 2018

PUSAT TEKNOLOGI MAKLUMAT - UM ACADEMICIANS COLLABORATIONS

Project	Researcher / Faculty	Description	PTM/UM Staff team
E-Procurement Data Analysis	Faculty of Business and Accountancy 1. Dr. Shamshul Bahri Zakaria (Head) 2. Prof. Madya Dr. Anna Azriati Che Azmi 3. Dr. Phoong Seuk Wai 4. Dr. Azmin Azliza Aziz	To reveal hidden patterns and relationships in fraudulent and inefficient e-procurement transactions. Status :kiv	1. Dr. Kanmani a/p Munusamy 2. Mohamad Zuhaidi Nahar 3. Mohd Ezwan Samsudin 4. Anisah Johari 5. Mohamad Safwan Jusof
Elearning (Spectrum) application Usage Analysis	Faculty of Computer Science & Information Technology 1. Dr. Suraya Hamid 2. Shahrul Nizam Ismail (Researcher)	Analysis of Students' eLearning Activities and Lecturer-students interactions in Spectrum Start Date : Apr 2018 End Date : May 2019	1. Mohd Shukri Hadafi Md Nor 2. Mohd Azizi Osman 3. Mohamad Safwan Jusof 4. Anisah Johari

PUSAT TEKNOLOGI MAKLUMAT - UM DEPARTMENT COLLABORATIONS

Project	Researchers/PTj	Description	PTM/UM Staff team
Setting up IoT Smart area (PTM)	1. En. Muhammad Faris Ali (Head) 2. En. Kheirul Anwar Airuddin Electrical & Electronic Engineering Division, Department of Development & Estate Maintenance	1.Installed 7 unit Digital Power Meter (DPM) on Distribution Board at Level 4, PTM. Status : Completed 2. Collecting PTM Level 4's Electric Data Usage data Status : Completed 3.Replaced 207 fluorescent lamps to LED at level 4 PTM Status : June 2019, Completed. Usage report is at UMPortal Business Intelligence -> Internet of Things (IoT)	1. Anisah Johari 2. Mohamad Safwan Jusof 3. Kheirul Anwar Airuddin (JPPHB)
Centralised Security Information and Event Management System	Prof. Madya Dr. Nor Badrul Anuar Juma'at (Head) Faculty of Computer Science & Information Technology	Correlate authentication data between Intrusion Prevention System, Active Directory and Unified Authentication Management System Start Date : July 2018 Status : Sep 2018	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir

PUSAT TEKNOLOGI MAKLUMAT - INDUSTRY COLLABORATIONS

Project	Company	Description	PTM/UM Staff team
End Point Protection	AXENTO ASIA SDN BHD	To explore Desktop management & anti virus including Mobile Devices Start Date : 13 Nov 2018 End Date : 10 Apr 2019	1. Nor Azliza binti Ab Wahab 2. Mohd Fauzey Mohamad Rahim
Web Application Firewall [WAF]	OGX Network Sdn. Bhd.	To explore tools that can detect and block OWASP Top 10 web application attacks Start Date : 26 Sep 2018 End Date : 17 Oct 2018	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir
Web Application Firewall [WAF]	Spectrum Edge Sdn. Bhd.	To explore tools that can detect and block OWASP Top 10 web application attacks Start Date : 10 Dec 2018 End Date : 07 Jan 2019	1. Nor Azliza Ab Wahab 2. Mohd Ikmal Zainudin 3. Mohd Fauzey Mohamad Rahim 4. Shafie Abdul Kadir

Mobile Application (DDiO) Platform usage study	Linkdood Technologies Sdn. Bhd.	Study and provide workshops on Mobile Application (DDiO) platform and services for secure chat and file sharing Start Date : Sep 2018 End Date : Dec 2021	1. Anisah Johari 2. Mohamad Safwan Jusof 3. Haezal Musa 4. Azizey Idzhar
PUSAT TEKNOLOGI MAKLUMAT - ALUMNI (NON-ACADEMIC) COLLABORATIONS			
Project	Company	Description	PTM/UM Staff team
Student eProfile - Digital Student ID and Experience	Unomap Sdn Bhd (UM graduates) Faculty of Business and Accountancy - BBA 2015 1. Mr. Chin Wui Khong 2. Mr. Kay Huck Kian Engineering Faculty - Electrical Engineering - 2015 3. Mr. Teh Whey Chai	Develop API for students activities - collaboration with UM Student Affairs Division Status : Completed development for 1st phase	1. Anisah Johari 2. Mohamad Safwan Jusof 3. Ahmad Ali-Emran Emran 4. Haezal Musa 5. Norlaili Raspan