



*Kewajipan, Maruah, Integriti*

## UNIVERSITI PERTAHANAN NASIONAL MALAYSIA

### JABATAN PENDAFTAR

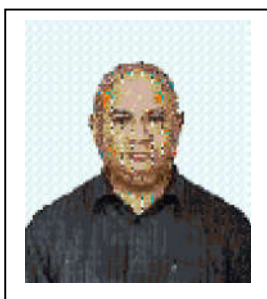
Kem Sungai Besi  
57000 Kuala Lumpur

Tel : 03-90513400  
Fax : 03-90581536

<http://www.upnm.edu.my>



## CURRICULUM VITAE



I. PERSONAL PARTICULARS	
<b>Name</b>	Assoc Prof Capt Syed Nasir Alsagoff Bin Syed Zakaria (R)
<b>Current Position</b>	Lecturer
<b>Faculty / Department</b>	
<b>Position Applying for</b>	Jobless

<b>II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS</b>			
(Please list all academic qualifications, from your first degree, in chronological order)			
<b>Year</b>	<b>Degree</b>	<b>Discipline</b>	<b>University</b>
1995 – 1998	Diploma of Computer Science	Computer Science	Institut Teknologi Mara
1999 – 2002	Bachelor of Information Technology with Honors	Information Technology	Universiti Tun Abdul Razak
2002 – 2005	Masters of Computer Science	Computer Science	University Malaya
<b>III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)</b>			
<b>No.</b>	<b>TITLES OF POSTGRADUATE THESES</b>		
1	DEVELOPING AND IMPLEMENTING A TRANSPARENT SECURE EMAIL SYSTEM USING PKI FOR A LOCALIZED ENVIRONMENT USING EASILY AVAILABLE RESOURCES.		
<b>IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)</b>			
<b>Year</b>	<b>Position</b>	<b>Organisation</b>	<b>Start and End Date</b>
1987-2002	Officer	MINDEF	1987-2002
2002-2007	IT Security Manager	Commerce Dot Com Sdn Bhd	2002-2007
2007-	Lecturer	UPNM	2007-

## 1.0 TEACHING AND SUPERVISION

### 1.1 Postgraduate Courses

(Please list in chronological order and state: course title, semester and year)

<b>No.</b>	<b>Course Title</b>	<b>Semester</b>	<b>Year</b>
1.	Data Mining: Forensic Accounting Investigation Techniques Using IT (UITM Masters of Forensic Accounting)	I/II	2008-

### 1.2 First Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1	Computer and Network Security	I	2007-
2	Cryptography	II	2007-

### 1.3 Diploma Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year

### 1.4 Pre-Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year

### 1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"><li>• Completed</li><li>• Submitted</li><li>• In Progress</li></ul>	University

### 1.6 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

### 1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"><li>• Completed</li><li>• Submitted</li><li>• In Progress</li></ul>	University
1	NURSYAFEERA AZEERA BINTI RAHIM	Recovery-Oriented Computing for Mission Critical Client Server Operation		Main	Completed	UPNM
2	NUR SYAFIKIN SHAHEERA BINTI MAT ZAINI	Implementation of Mobile HCI for Search and Rescue Operation.		Main	Completed	UPNM
3	NUR SHAMIMI BINTI CHE ANUAR	Framework of Determining the Malware Factor of a suspicious File Based on Its Behaviours.		Main	Completed	UPNM
4	NOR WAHIDAH BINTE ZAILAN	Search and Rescue Method Using GPS Technology and Network Centric.		Main	Completed	UPNM
5	SITI NUR ALIDDA BT MOHD GHAZALI	Framework of Command and Control		Main	Completed	UPNM

		System for Maritime Autonomous Search and Rescue Operation Using Rotary Wing UAV				
6	MEJ MOHD SANUSI BIN IBRAHIM (WARWICK)	Evaluating the Effectiveness of Camp Entrance Security Procedure in Malaysian Army KL/Selangor Main Camps		Main	Completed	UPNM/Warwick
7	MEJ IR HAIRUL NIZAM BIN SAMURI (WARWICK)	Malaysian Army Camp Maintenance System (e-ACMS): Business Case Submission of the Maintenance Application Process		Main	Completed	UPNM/Warwick
8	MEJ JOSLAY BIN MOHD JALI (WARWICK)	Service Efficiency and Cost Effective Study: RMPC Vehicle Fleet		Main	Completed	UPNM/Warwick

		Maintenance System				
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### 1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

### 1.9 Supervision (Postgraduate Research Project or Final Year Research Project)

(Please list in chronological order)

#### Final Year Project

#### 2008

MAIZATUL LIYANA BINTI MOHD ZAKIDIN	Sistem Pengurusan Stor Rangsum UPNM
MOHAMAD HAMIZAN BIN HAMZAH	Sistem Pentadbiran Kekeluargaan Islam UPNM secara online
MUNA MUNIRAH BINTI MUKHTAR	Sistem Pengurusan Tabung Kebajikan Rejimen (TKR) - 1 RAMD
NOR AZREEN BINTI ZAKARIA	Sistem Pengurusan Latihan Staf UPNM berasaskan web
NORSHAHIDIN BIN LONG	Virtual Whiteboard – Client Server Application
NUR HAZWANI BINTI RAMLI	Sistem Analisis Data Ujian Kemahiran Menembak
ZULHAZRIN BIN ABDUL MUTALIB	Sistem Audit Dalaman ISO 9001:9002 UPNM

#### 2009

MOHAMMAD ZHARIF BIN ABDUL MALIK	Sistem Pengurusan Maklumat Logistik bersepadu Pasukan Udara Tentera Darat
MOHD RIDZUAN BIN MOHAMMAD	Sistem Penempatan Pegawai-pegawai Muda ATM

MUHAMMAD FIKRI BIN ZAKARIA	Sistem Penjadualan Latihan dan Jam Penerbangan TUDM, Butterworth
RAVINDRAN A/L RAJA RATHANAM	Sistem Lembaga Kod Maruah UPNM
HASNUL HAFIZ BIN HASSAN	Sistem Pengurusan Penerjunan Para

## **2010**

MOHD SHAZMIR BIN OSMAN	GPS Tracking System (Server)
NUR KAMAL ARIFFIN BIN BORHAN	GPS Tracking System (Client)
NURUL AINI WAHIDA BT MD AZMI	Map Management System

## **2011**

VILASINI A/P PARAMASEVAN (A-)	Sistem penyimpanan file selamat dengan menggunakan Microsoft Access Database
NUR SHAMIMI BT. CHE ANUAR (A)	Sistem Penyampaian Maklumat (GIS) Semasa Operasi Latihan Ketenteraan.
NOR WAHIDAH BINTE ZAILAN (A)	Sistem Pengurusan Kata Laluan Melalui Windows Mobile
MOHD RIZAL BIN CHE HASSAN (A)	Sistem Komunikasi Pesanan Pergerakan Perang atau Combat Visual Message Communication System.
DEVENDRAJ A/L GOVINDARAJOO (B+)	Sistem Inkripsi Folder menggunakan RC4
NURUL IRYANI BINTI SAMSUDDIN (A+)	Sistem Penghantaran Mesej Di Antara "Client Server" Menggunakan Kaedah "Traffic Padding"

## **2012**

IDVINDERJIT SINGH A/L KARAMJIT SINGH (A)	Cell Tower Display System Using Google Earth and VB.NET
CHRISTINA CHEN MING HOUY (A)	Mobile Password Generator



MUHAMMAD SHAJUADI BIN SHAMSUDIN (B-)	Encryption Algorithm Speed Comparer (Block Vs Stream)
MOHD RASYID BIN A TALIB (A)	Online Registration Password Strength Detector

## **2013**

AHMAD HAYATTA BIN RAZALI (A-)	Detect Suspicious JPEG File Based On Keyword and Filename
DAFIQAH BINTI MIOR RAYMAN (A)	HDD Serial Number Copy Protection
SHARIFAH NOOR FADZLEEN SHAFINAZ BT. SYED MOHD FAUZIE (A-)	JPEG Comment Secret Messaging System
MUHAMMAD FAISAL BIN JAMAL (B)	Secure Notepad
ZULKARNAIN BIN MAHADI (B-)	Brute Force Password Cracker
MOHAMAD HAFIZ BIN AHMAD FAUZI (B)	Combination Lock Login
MOHAMAD HISYAM BIN SHAHARUDIN (B+)	Secure Voice Recorder
AZRUN AZHIM BIN MOHD ZAHARI (D+)	Sistem Rekod Pensyarah

## **2014**

NURSYAFEERA AZEERA BINTI RAHIM (A-)	Sistem Login Berasaskan Masa
AROON KUMAR A/L APPARAO (A)	Time Synchronization System (TSS)
MUHAMMAD FAIZ BIN FAZILLAH (A-)	Sistem Penyimpanan Video Selamat Menggunakan Kaedah Kriptografi
MUHAMMAD RAHIM BIN JAAFAR (A-)	Sistem Kawalan Kesiapsiagaan Server

## **2015 PSM 1 Tahun 2**

FATIN NADIAH BINTI MOHAMED ARIFF (B+)	Sistem Penghantaran Mesej Secara Berintegriti (Client)
INTAN NORAZLINA BINTI HAIRUDDIN (A-)	Sistem Penghancuran Fail (File Wipe)

NUR FATIN SYAMIMI BINTI SHAFFI (B)	Sistem Penghantaran Mesej Secara Berintegriti (Server)
SITI NUR SOLEHA BINTI ADAM (A)	Sistem Semakan Laman Sesawang menggunakan "Android"
LOONG MEN CHAU (B+)	UKA Test Monitor using GPS
AHMAD MUZAKIR BIN ARIFIN (B+)	Sentry Monitor using GPS
SYAFIQAH YUSRA BINTI MOHAMAD (B-)	Standalone Captcha Login Prototype

### **2015 PSM Tahun 3**

AMIR ARIFFUDIN BIN AMINULLAH(A)	Keselamatan Sambungan Antara UAV Dan Telefon Android Menggunakan Bluetooth
NURHAZWANI HIKMAH BINTI HARME (A)	Penyimpanan Data Koordinat Latitud Dan Longitud UAV Melalui Telefon Android Ke Dalam Sistem Pangkalan Data Pada Komputer
NUR IMELIA BINTI IBRAHIM (A)	Pembangunan Aplikasi Penyelenggaraan Makmal Komputer menggunakan Rangka Kerja
MUHAMAD SYAHMI BIN AHMAD FAUZI (A)	Mobile Class Attendance System Using NFC Tag
NIK MUZAMER BIN MOHAMMAD (A)	Sistem Laporan Kesalahan Pegawai Kadet dan Hukuman
MUHAMAD SHUKRI BIN ZAKARIA (B)	Sistem Pengesan Steganografi Pada Imej Digital
KOONG DE KAI (A+)	Secure Military Dog Tag with Mobile Access Near-Field Communication

### **2016 PSM 2 Tahun 3**

FATIN NADIAH BINTI MOHAMED ARIFF (A-)	Sistem Penghantaran Mesej Secara Berintegriti (Client)
INTAN NORAZLINA BINTI HAIRUDDIN (A)	Sistem Penghancuran Fail (File Wipe)
NUR FATIN SYAMIMI BINTI SHAFFI (A-)	Sistem Penghantaran Mesej Secara Berintegriti (Server)
SITI NUR SOLEHA BINTI ADAM (A)	Sistem Semakan Laman Sesawang menggunakan "Android"
LOONG MEN CHAU (A)	UKA Test Monitor using GPS
AHMAD MUZAKIR BIN ARIFIN (A)	Sentry Monitor using GPS
SYAFIQAH YUSRA BINTI MOHAMAD (A-)	Standalone Captcha Login Prototype

### **2017 PSM 1**

NOOR FAZLIENA BINTI BAHARIN (A+)	Sistem Pancaran Mesej Selamat (Beam)
SITI NOOR FARANA BINTI HISAMMUDDIN (A)	Sistem Penyimpanan Katalaluan Selamat Menggunakan Android
NOR KHAIRUN NABILA BINTI LUT (A-)	Sistem Menjejak Laluan (Traceroute)
MOHAMMAD AJRIL FEZERI BIN SOBRI (B+)	Sistem Peringatan Kelas Sains Komputer Menggunakan Geofence

### **2018 PSM 1**

NURLAILA SYAFIRA BINTI SHAPIEI	Sistem Penyelenggaraan Peralatan Masjid (A-)
NOORAIN BINTI MOHD TAJUDIN	Sistem Diagnosis Pesakit PPAT (A)

### **Group Project**

#### **2013**

NOR AYUNI BINTI BAHARON BADRU HUSSIN IBRAHIM BIN HUSSIN SHOBANA MEENATCHI A/P ATHIAPPAN NUR FITRAH BINTI AZMAN LIM ASYRAF AL HASYIR BIN KHAIRUDDIN	Malaysian Search and Rescue Volunteer Portal (A-)
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#### **2014**

MOHAMAD FIRDAUS BIN SOBERI MOHAMAD YAZID HANAFFI BIN ROSLAN MOHAMAD SHAMIR BIN MOHAMAD DARUS KOONG DE KAI SITI MARIYAM BINTI ABU BAKAR	Health Nut (Mobile App) (A)
RAVIVARMAN A/L ANABALAKAN FAKHRI BIN AHMAD MOHD HAFIZUL BIN MAKHTAR KAAVITRAJOTHI A/P SELVAKUMAR NIK MUZAMER BIN MOHAMMAD MOHAMAD ADIB ASHRAFF BIN MOHD RAZALI	Health Nut (Web Server) (A)

### **2015 Tahun 1**

MUHAMMAD ARIFIN BIN MUHAMMAD MUHAMMAD FAIZ AIZAD BIN FAUZI NOR KHAIRUN NABILA BINTI LUT	Sistem Pengurusan Pembelian Buku Teks Sains Komputer UPNM
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### **2015 Tahun 2**

NUR FATIN SYAMIMI BINTI SHAFFI SITI NUR SOLEHA BINTI ADAM NOR AFIQAH BINTI MOHAMED IMRAN	Mobile Next Class Reminder System (Android) (B)
SHAHIDRUL BIN MAT RASHID FAKRUR RADZI BIN ZULKIFLI MUHAMMAD AQIF SALLEHUDDIN BIN YUSAIMMI	Sistem Pengurusan Penyimpanan Publikasi Pensyarah UPNM (B-)
MUHAMMAD NUR FIRMAN BIN NORDIN SITI NOR FATIHAH BINTI MUSTAFA SITI RUHIYAH BINTI ABDULLAH	Sistem Pengurusan Laporan LI Jabatan Sains Komputer UPNM (B+)

### **2016 Tahun 2**

MUHAMMAD ARIFIN BIN MUHAMMAD MUHAMMAD FAIZ AIZAD BIN FAUZI NOR KHAIRUN NABILA BINTI LUT	Sistem Pengurusan Penempahan Buku Teks Jabatan Sains Komputer UPNM (A)
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### **2017 Tahun 2**

TEBBALATCHUMY A/P SANTHRA GASAN NUR FATEEN NABILA BINTI AHMAD SHAFFIK NUR AMIRA NABILAH BINTI KAMARUDIN	Sistem Notifikasi Pegawai Kadet Bertugas Melalui Emel (A-)
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### **2018 Tahun 2**

WAN MUHAMAD AKBAR BIN WAN MD IDRIS NURIN ATHIRAH BINTI MOHAMED RASHID NABILA SHAKILA BINTI MOHAMED FADZIL	Sistem Pengawalan Kegunaan Komputer Untuk Makmal (A+)
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## 2.0 RESEARCH, PUBLICATION AND PRESENTATION

### 2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount and status)

Title	Role	Year	Grant	Duration	Source	Status
DEVELOPMENT OF A PROTOTYPE AUTOMATED APPLICATION ABLE TO CAPTURE, STORE AND STUDY SUSPICIOUS FILES IN AN ORGANIZATION'S NETWORK <b>(01-01-19-SF0116)</b>	Leader	2010	RM73,600	1 year	MOSTI Science fund	Concluded
SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM	Leader	2010	RM500	Imagine Cup 2010	UPNM	Concluded
OPTIMAL GRID PATTERN MODEL FOR SEARCH AND RESCUE OPERATION IN DIPTEROCARP FOREST <b>(FRGS/2/10/SG/03/1)</b>	Leader	2010	RM66,000	1 year	FRGS	Concluded
OPTIMAL COMMAND AND CONTROL METHOD FOR MALAYSIAN ARMY SMALL UNITS IN A DIPTEROCARP FOREST ENVIRONMENT <b>(ERGS/1/11/PK/02/18)</b>	Leader	2011	RM77,545	2 years	ERGS	Concluded
ENHANCING THE DETECTION OF FRAUDULENT ACCOUNTING DATA: DATA MINING TECHNIQUES <b>(100-RMI/ARI 16/5/6d-1 (16/2012))</b>	Team Member	2012	RM40,000	1 year	UITM ARI HICOE	Concluded
DEVELOPMENT OF A SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM (SARTAMS) WORKING PROTOTYPE FOR COMMERCIALIZATION PURPOSES BASED ON FRGS RESEARCH -	Leader	2012	RM234,000	2 years	PRGS	Concluded

Title	Role	Year	Grant	Duration	Source	Status
FRGS/2/2010/SG/UPNM/03/1 - OPTIMAL GRID PATTERN MODEL FOR SEARCH AND RESCUE OPERATION IN DIPTEROCARP FOREST <b>(PRGS/1/2012/BK/06/UPNM/02/1)</b>						
ROTARY WING UAV FOR FORMATION SEARCH AND RESCUE OPERATION IN DIPTEROCARP FOREST <b>(F-ECO/5(UPNM-12)</b>	Leader	2012	RM83,000	1 ½ Years	KTP	Concluded
DEVELOPING A MALAYSIAN FOREST BATTLEFIELD ENVIRONMENT SIMULATOR FOR MALAYSIAN ARMY SMALL UNIT TACTICS <b>(IC/RDC/L/MMD/2013/09/151)</b>	Co Leader	2013	RM10,000	1 Year	MDEC Innovation Voucher	Concluded
DEVELOPMENT OF SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM FOR WORLDWIDE COMMERCIALIZATION <b>(TF1213C373)</b>	Leader	2014	RM1,108,000	2 Years and 6 months	MOSTI Technofund	Concluded
PROTOTYPE MOBILE SYSTEM ABLE TO ENHANCE THE EFFECTIVENESS OF SEARCH AND RESCUE EFFORT FOR INDIVIDUALS TRAPPED IN A COLLAPSED STRUCTURE IN THE AFTERMATH OF AN EARTHQUAKE <b>(PRGS/1/2015/ICT01/UPNM/02/1)</b>	Leader	2015	RM60,000	2 years	PRGS	Concluded
MOSTI MALAYSIAN COMMERCIALIZATION YEAR (MCY 2017) GRANT <b>(INOVASI/MCY/2018/01)</b>	Leader	2017	RM230,000	2 years	MOSTI	Approved

## 2.2 Publications

### 2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name))

1. International Journal of Research and Reviews in Information Security and Privacy (IJRRISP) - Vol 1, No 1 (2011) - MANUAL REMOVAL OF MALWARE – IS IT STILL RELEVANT?
2. Journal of Modern Applied Science - Vol 6, No 11 (2012) - Mohd Hazali Mohamed Halip, Mohd Afizi Mohd Shukran, Omar Zakaria, Syed Nasir Alsagoff Syed Zakaria - DETECTION OF STEGANOGRAPHIC MESSAGES IN EMAIL ATTACHMENT
3. Asian Journal of Business and Accounting, Nooraslinda Abdul Aris, Rohana Othman, Muhammad Anas Mohd Bukhori, Siti Maznah Mohd Arif, Mohamad Affendi Abdul Malek, Normah Omar and Syed Nasir Alsagoff (2013). EVALUATING FRAUD IN THE PUBLIC SECTOR USING BENFORD'S LAW.
4. INTERNATIONAL JOURNAL OF DEFENCE SCIENCE, ENGINEERING AND TECHNOLOGY (IJDET VOL 3 SAR ISSUE JUNE 2016) - IJDET Theme Chief Editor
5. INTERNATIONAL JOURNAL OF DEFENCE SCIENCE, ENGINEERING AND TECHNOLOGY (IJDET VOL 3 SAR ISSUE JUNE 2016), ISSN-2289-6813 –
  - a. Nor Wahidah Zailan a, Capt. Syed Nasir Alsagoff Syed Zakaria b, Zaharin Yusoff c, Syahaneim Marzuki d, COMPARISON OF THE GRID SEARCH PATTERN AND THE CIRCLE SEARCH PATTERN FOR SEARCH AND RESCUE (SAR) OPERATIONS
  - b. Nor Wahidah Zailan a, Capt. Syed Nasir Alsagoff Syed Zakaria b, Zaharin Yusoff c, Syahaneim Marzuki d, SEARCH GRID PATTERN POSITIONING FOR SEARCH AND RESCUE (SAR) OPERATIONS IN FOREST AREAS
  - c. Noor Izzati Mohd Khalid a, Capt. Syed Nasir Alsagoff Syed Zakaria b, Zaharin Yusoff c, Syahaneim Marzuki d, COMMAND AND CONTROL COMMUNICATION FOR SEARCH AND RESCUE (SAR) OPERATIONS USING SMART PHONES FOR AUDIO, VIDEO AND MONITORING FUNCTIONS
  - d. Siti Nur Alidda Mohd Ghazalia, Capt. Syed Nasir Alsagoff Syed Zakaria (R) b, Lt Kol Mahendra K Sekaran Nair c, COMPARISON OF AIRSHIP UNMANNED AERIAL VEHICLES VERSUS ROTARY WING UNMANNED AERIAL VEHICLES FOR FORMATION BASED MOVEMENT
  - e. Siti Nur Alidda Mohd Ghazali a, Capt. Syed Nasir Alsagoff Syed Zakaria (R) b, Lt Kol Mahendra K Sekaran Nair c, FRAMEWORK FOR COMMAND AND CONTROL IN MARITIME SEARCH AND RESCUE (MSAR) OPERATIONS USING UNMANNED AERIAL VEHICLES IN FORMATION
  - f. Siti Nur Alidda Mohd Ghazali a, Capt. Syed Nasir Alsagoff Syed Zakaria (R) b, Zaharin Yusoff c, Lt Kol Mahendra K Sekaran Nair c, OBTAINING THE EXACT LOCATION OF TARGET SUBJECTS IN MARITIME SEARCH AND RESCUE (MSAR) OPERATIONS USING ROTARY WING UNMANNED AERIAL VEHICLES (UAVs)

- g. Nur Syafikin Shaheera Mat Zaini a, Capt. Syed Nasir Alsagoff Syed Zakaria (R) b, Mohd Hazali Mohamed Halip c, Lt Kol Mahendra K Sekaran Nair c, EVOLUTION OF MOBILE COMPUTING HUMAN COMPUTER INTERACTION (HCI) TECHNOLOGY (WINDOWS TABLET AND ANDROID PLATFORM)
- h. Nursyafeera Azeera Rahim a, Capt. Syed Nasir Alsagoff Syed Zakaria (R) b, Lt Kol Mahendra K Sekaran Nair c, COMPARISON OF METHODS IN RECOVERY ORIENTED COMPUTING FOR CLIENT-SERVER ARCHITECTURE

### **2.2.2 Book/Chapter in Book:**

(Please list in chronological order and state: authors, year, title, publisher, volume and number of pages  
(Please bold your name)

1. Pelan Strategik Pengajian Tinggi Negara – Koleksi Aktiviti Terpilih Siri 2 – Pembangunan Holistik Pelajar – Hari Tunas Wira (UPNM) – m/s 105 – 108. – Kementerian Pengajian Tinggi - 2011

### **2.2.3 Proceeding Articles :**

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name)

1. National Conference on Information Retrieval and Knowledge (CAMP'08) – 18 Mar 2008 – REMOVAL OF MALWARE WITHOUT THE USE OF ANTIMALWARE SOFTWARE
2. 3rd INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY 2008 (ITSim'08) - 27 Aug 2008 – MALWARE SELF PROTECTION MECHANISM. (SCOPUS)
3. The International Asia-Pacific Conference on Forensic Accounting and Financial Criminology -Menara KL -15-17 Jun 2009 - DIGITAL FORENSIC ACCOUNTING: ANALYTICAL PROCEDURES USING AUDIT COMMANDER
4. 1st International Visual Informatics Conference 2009 (IVIC'09) – 11-13 Nov 2009 - REAL WORLD ISSUES IN DEVELOPING A MALAYSIAN FOREST BATTLEFIELD ENVIRONMENT FOR SMALL UNIT TACTICS USING 3D GRAPHICS (SCOPUS)
5. 1st International Conference on Information Retrieval and Knowledge Management (CAMP10) - 16-18 Mar 2010 - MICROSOFT EXCEL AS A TOOL FOR DIGITAL FORENSIC ACCOUNTING (SCOPUS)
6. 4th International Symposium on Information Technology 2010 (ITSim'10) - 14-17 Jun 2010 – MALWARE SELF PROTECTION MECHANISM ISSUES IN CONDUCTING MALWARE BEHAVIOUR ANALYSIS IN A VIRTUAL ENVIRONMENT AS COMPARED TO A REAL ENVIRONMENT (SCOPUS)



7. 4th International Conference on Safety and Security Engineering (SAFE 2011) - 4 - 6 July 2011 – University of Anwerp, Belgium - OPTIMAL GRID PATTERN MODEL FOR SEARCH AND RESCUE OPERATION IN DIPTEROCARP FOREST RESEARCH METHODOLOGY (SCOPUS)
8. 2nd International Visual Informatics Conference 2011 (IVIC'11) - 9 – 11 November 2011 - OPTIMAL COMMAND AND CONTROL METHOD FOR MALAYSIAN ARMY SMALL UNITS IN A MALAYSIAN FOREST ENVIRONMENT - SMALL UNIT TACTICAL SILENT COMMUNICATION SYSTEM (SCOPUS)
9. International Conference on Advanced Material Engineering & Technology 2012 (ICAMET 2012) - 28 – 30 November 2012 - Nor Wahidah Binte Zailan, Syed Nasir Alsagoff bin Syed Zakaria, Mohd Afizi Mohd Shukran - METHOD OF SEARCH AND RESCUE IN DIPTEROCARP FOREST USING GPS TECHNOLOGY (SCOPUS)
10. Konferens Program Pemindahan Ilmu Peringkat Kebangsaan Pertama – 21 – 23 Ogos 2013 - Siti Nur Alidda bt Mohd Ghazali, Syed Nasir Alsagoff bin Syed Zakaria - AIRSHIP UNMANNED AERIAL VEHICLE VERSUS ROTARY WING UNMANNED AERIAL VEHICLE FOR FORMATION BASED MOVEMENT
11. The 2013 International Conferences on Computer Graphics, Visualization, Computer Vision, and Game Technology (VisioGame 2013) - 20 – 22 December 2013 - Advances in Intelligent Systems Research Journal (AISR Journal) ISSN 1951-6851 – Jakarta, Indonesia - METHOD OF TESTING MISSION CRITICAL DATA TRANSMISSION BETWEEN AN ANDROID DEVICE TO A WINDOWS PC VIA WIRELESS TCP COMMUNICATION: PCMOTE
12. 3rd International Visual Informatics Conference 2013 (IVIC'13) – 13 -15 Nov 2013 - Fatin Farhana Abd Khalid, Syed Nasir Alsagoff, Mohd Hazali Mohamed Halip - EFFECTIVE METHOD OF MOBILE HUMAN COMPUTER INTERFACE FOR MILITARY OPERATION IN DIPTEROCARP FOREST (SCOPUS)
13. International Conference on Governance, Management and Financial Criminology (ICGMF) 2013, 2-5 September 2013, University of Waikato, Hamilton New Zealand, Rohana Othman, Muhamad Anas Mohd Bukhori, Nooraslinda Abdul Aris, Siti Maznah Mohd Arif, Mohamad Affendi Abdul Malek, Normah Omar and Syed Nasir Alsagoff. (2013). FRAUD DETECTION USING BENFORD'S LAW: A CASE STUDY ON PAYMENT VOUCHERS OF A PUBLIC-SECTOR ORGANIZATION IN MALAYSIA.
14. Konferens Program Pemindahan Ilmu Peringkat Kebangsaan Kedua – 9 – 11 Sept 2014 - Siti Nur Alidda bt Mohd Ghazali, Syed Nasir Alsagoff bin Syed Zakaria - COMMAND AND CONTROL FOR MARITIME SEARCH AND RESCUE OPERATIONS USING UNMANNED AERIAL VEHICLE IN FORMATION
15. 2016 International Conference on Information and Communication Technology (ICICTM'16) – 16-17 May 2016 - Noor Izzati Mohd Khalid, Syed Nasir Alsagoff Syed Zakaria, Zaharin Yusoff, Syahaneim Marzuki - COMMUNICATION FOR COMMAND AND CONTROL IN SEARCH AND RESCUE (SAR) OPERATIONS USING SMART PHONES FOR AUDIO, VIDEO AND MONITORING FUNCTIONS
16. 2016 International Conference on Information and Communication Technology (ICICTM'16) – 16-17 May 2016 - Nor Wahidah Zailan, Syed Nasir Alsagoff bin Syed Zakaria, Zaharin Yusoff, Syahaneim Marzuki - DETERMINING AN APPROPRIATE SEARCH GRID PATTERN AND POSITIONING IT FOR SEARCH AND RESCUE OPERATIONS (SAR) IN FOREST AREAS
17. 2016 International Conference on Information and Communication Technology (ICICTM'16) – 16-17 May 2016 - Siti Nur Alidda Mohd Ghazali, Hardy Azmir Anuar, Syed Nasir Alsagoff Syed Zakaria, Zaharin Yusoff, Syahaneim Marzuki - POSITION OF TARGET SUBJECTS IN MARITIME SEARCH AND

RESCUE (MSAR) OPERATIONS USING ROTARY WING UNMANNED AERIAL VEHICLES (UAVS) **(BEST PAPER)**

18. 5th International Visual Informatics Conference 2017 (IVIC'17) – 28-30 Nov 2017 - Nur Syafikin Shaheera Mat Zaini, Syed Nasir Alsagoff Syed Zakaria, Norshahriah binti Wahab - METHODS OF EVALUATING THE USABILITY OF HUMAN COMPUTER INTERACTION (HCI) DESIGN IN MOBILE DEVICES FOR SAR OPERATION
19. 2018 International Conference on Information and Communication Technology (ICICTM'18) – 2-5 May 2018 - Syahaneim Marzukhi1, Nursyafeera Azeera Rahim, Syed Nasir Alsagoff Syed Zakaria -A MODEL FOR “MISSION CRITICAL MULTIPLE CLIENTS AND SINGLE SERVER OPERATION FOR FAILURE DETECTION AND RECOVERY SYSTEM”

### **2.3 Presentation:**

(Please list in chronological order)

*(International)*

1. Putrajaya Forum - 14 Oct 2010 - Invited Speaker On Towards a Safe and Secure Regional Cyber Environment: The Social Networking Site Factor

*(National)*

1. The 5th International Visual Informatics Conference 2017 (IVIC'17) – 30 Nov 2017 - FORENSIC ACCOUNTING USING DATA MINING TECHNIQUE (Workshop)
2. MSSA/CIDB International Construction Week (ICW) 2014 – 17 Sept 2014 – GEMPALOCATE: Earthquake Zone Emergency Personal Locator
3. UTP Delta Tau Research Seminar Series – 4 April 2013 – SARTAMS: Search and Rescue Tactical Management System
4. Seminar Teknikal Gempa Bumi 2011 for Malaysian Meteorological Department – 20 Dec 2011 – Invited Speaker - GEMPALOCATE: EARTHQUAKE ZONE. EMERGENCY PERSONAL LOCATOR
5. WEC 2010 - World Engineering Congress 2010 – 31 July 2010 -5 August 2010 - Invited Speaker on Malware
6. Global Risktech Congress 2009 – 5-6 Ogos 2009 – Invited Speaker on Data Mining for Forensics Accounting

### 3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

#### 3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

Exhibition/Competition	Product	Year	Result
Pameran Harta Intellek	PAW: PKI BASED ANTIMALWARE USING AN INVITATIONAL WHITELIST CONCEPT	2009	Participated
PECIPTA 2009	PAW: PKI BASED ANTIMALWARE USING AN INVITATIONAL WHITELIST CONCEPT	2009	Participated
Defence Services Asia (DSA 2010)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM	2010	Presented to Defence Minister
21 <sup>st</sup> International Invention, Innovation and Technology Exhibition (ITEX 2010)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0	2010	Silver Medal
Imagine Cup 2010	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0	2010	MDEC Most Promising Solution
Malaysia Technology Expo 2011	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0	2011	Bronze Medal
Imagine Cup 2011	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM	2011	Semi Finalist
2 <sup>nd</sup> International Engineering Invention & Innovation Exhibition 2011(i-ENVEX 2011)	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM	2011	Gold Medal Best Award - ICT Category

Exhibition/Competition	Product	Year	Result
22 <sup>nd</sup> International Invention, Innovation and Technology Exhibiton (ITEX 2011)	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM	2011	Gold Medal Ram Rais Award - Best ICT Invention
	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR		Silver Medal
National Research & Innovation Competition Novel Research and Innovation Competition (NRIC 2011) USM	<u>Supervisor</u> (P KDT Nurul Iryani Samsuddin (374553))	2011	Bronze Medal
	T-PAD – TRAFFIC PADDING APPROACH AS COUNTERMEASURE FOR TRAFFIC ANALYSIS ATTACK		
	<u>Supervisor</u> (P KDT Mohd Rizal Bin Che Hassan (3011682))		
	SUTACSICS: SMALL UNIT TACTICAL SILENT COMMUNICATION SYSTEM		Silver Medal
INNOCONF 2011(KPT)	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM	2011	Participated
	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR		Participated
	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0		Participated

Exhibition/Competition	Product	Year	Result
PECIPTA 2011	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM  GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR  SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0  KELKATU: ROTARY WING UAV FORMATION SEARCH AND RESCUE SYSTEM	2011	Bronze Medal  Participated  Bronze Medal  Participated
FESKUM 2011 UM	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR  SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM		Participated  Participated
Islamic Innovation Expo 2011 (i-Inova' 2011) USIM	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM	2011	Silver Medal
MSC Malaysia APICTA Awards 2011	G-NUR: GEO FENCE - NATIONAL URGENT RESPONSE ALERT SYSTEM  GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR	2011	Participated  Finalist
MYEG Make the Pitch Season 1	G-NUR: MISSING CHILD PREVENTION SYSTEM Business Pitch	2011	Grand Finalist Audition - 30 July 2011, Semi Finals - 21 Sept 2011 Finals – 5 Dec 2011

Exhibition/Competition	Product	Year	Result
Langkawi International Maritime & Aerospace Exhibition (LIMA 2011)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 1.0	2011	Participated
Malaysia Technology Expo 2012	PAW: PKI BASED ANTIMALWARE USING AN INVITATIONAL WHITELIST CONCEPT  T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL INJECTION METHOD TO PREVENT TRAFFIC ANALYSIS  SUTACSICS: SMALL UNIT TACTICAL SILENT COMMUNICATION SYSTEM	2012	Silver Medal  Silver Medal  Bronze Medal  100% track record.
Defence Services Asia (DSA 2012)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 2.0	2012	Participated
Imagine Cup 2012	SUTACSICS: SMALL UNIT TACTICAL SILENT COMMUNICATION SYSTEM	2012	Finalist
MYEG Make the Pitch Season 2	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 2.0	2012	Audition – 26 Mar 2012 Semi Finals – 31 May 2012
23rd International Invention, Innovation and Technology Exhibition (ITEX 2012)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 2.0  PAW: PKI BASED ANTIMALWARE USING AN INVITATIONAL WHITELIST CONCEPT	2012	Silver Medal  Bronze Medal

Exhibition/Competition	Product	Year	Result
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2012) UPM	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 3.0	2012	Gold Medal
MSC Malaysia APICTA Awards 2012	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 3.0	2012	Winner Best of R&D  Represented Malaysia for R&D Category at the Asia Pacific APICTA Awards 2012 at Brunei.
Asia Pacific ICT Alliance Awards (APICTA) 2012 Brunei	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 3.0	2012	4 <sup>th</sup> Placing R&D Category  Best Presentation R&D Category
Seoul International Invention Fair (SIIF 2012)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 3.0	2012	Bronze Medal
Malaysia Technology Expo 2013	SUFIBAS 2.0: SUSPICIOUS FILE BEHAVIOUR ANALYSIS SYSTEM  LIWANMS: LIGHT WEIGHT ANDROID NETWORK MONITORING SYSTEM  SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 4.0  NOVEL METHOD OF FALL DETECTION USING ANDROID PHONE ACCELEROMETER AND ORIENTATION.  PCMOTE: ANDROID PHONE AS PC GAME MOTION CONTROLLER.  NOVEL METHOD OF INDOOR LOCATION DETERMINATION USING 3D REVERSE TRIANGULATION	2013	Bronze Medal  Bronze Medal  Silver Medal  Silver Medal  Silver Medal  Gold Medal Special Jury Award RM500

Exhibition/Competition	Product	Year	Result
			<p>Most number of entry for individual inventor – 6</p> <p>Most number of medals for individual inventor – 6</p> <p>100% track record</p>
4th International Engineering Invention & Innovation Exhibition 2013(i-ENVEX 2013) UNIMAP	<p>SUTACSICS 2.0 SMALL UNIT SILENT TACTICAL COMMUNICATION SYSTEM</p> <p><u>Supervisor</u> (P KDT Mohamad Redha Syamim bin Saaris (3012574)) (P KDT Dafiqaq Binti Mior Rayman (3013130)) (P KDT Sharifah Noor Fadzleen Shafinaz Binti Syed Mohamad Fauzie (3013166))</p> <p>T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS</p> <p><u>Supervisor</u> (P KDT Ahmad Hayatta Bin Razali (3012534)) (P KDT Wan Nurhidayat Bin Wan Muhamad (3012685)) (P KDT Mohamad Hisyam Bin Shahrudin (3012571))</p>	2013	<p>Gold Medal Korean Invention Association Special Award</p> <p>Gold Medal</p> <p>100% track record.</p>
SMIDEX 2013	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 4.0	2013	Participated
Novel Research and Innovation Competition (NRIC 2013) USM	<p>SUTACSICS 2.0 SMALL UNIT SILENT TACTICAL COMMUNICATION SYSTEM</p> <p><u>Supervisor</u></p>	2013	Bronze Medal



Exhibition/Competition	Product	Year	Result
	<p>(P KDT Amir Ariffudin Bin Aminullah (375074))  (PKDT Mohd Arif bin Hasan Albakri (375101))  Kaavitrajothi A/P Selvakumar</p> <p>MACOMS - MALAYSIAN ARMY COLLABORATIVE MAPPING SYSTEM</p> <p><u>Supervisor</u>  Koong De Kai  (PKDT Muhammad Hazim Bin Alias (3013416))  (PKDT Thrimeshalla A/P Ravindran (375158))</p>		<p>Bronze Medal</p> <p>100% track record</p>
Global Innovation through Science and Technology (GIST) Tech-I Competition	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR	2013	Top 90 World Wide
International Conference On Informatics and Creative Multimedia 2013 (ICICM'13) UTM	<p>MACOMS - MALAYSIAN ARMY COLLABORATIVE MAPPING SYSTEM</p> <p><u>Supervisor</u>  Nur Shamimi Binti Che Anuar  Nor Wahidah Binte Zailan  Siti Nur Alidda Bt Mohd Ghazali</p> <p>T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS</p> <p><u>Supervisor</u>  Fatin Farhana Binti Abd Khalid  Noor Izzati Bte Mohd Khalid</p>	2013	<p>Silver Medal</p> <p>Silver Medal</p> <p>100% track record</p>
MSC Malaysia APICTA Awards 2013	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 5.0	2013	<p>Finalist – Best of E Best of e-Government &amp; Services</p> <p>Merit Award – Best of e-Government &amp; Services</p>

Exhibition/Competition	Product	Year	Result
Malaysian Innovation Expo 2013 (MIEXPO 2013) UPM	MACOMS - MALAYSIAN ARMY COLLABORATIVE MAPPING SYSTEM  T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS	2013	Gold Medal  Gold Medal  100% track record
PECIPTA 2013	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 5.0	2013	Gold Medal  World Invention Property Association Special Award – Honor of Invention  The First PECIPTA Gold Medal for UPNM
I-usim'13 WORLD INNOVATION FORUM 2013	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM 1.5	2013	Participated
Asia Pacific ICT Alliance Awards (APICTA) 2013 Hong Kong	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM 1.5	2013	Participated
Korea Inventor Award Festival 2013		2013	Invention Academics Order of Merit  Software Order of Merit  Academia Order of Merit
3rd NEF-AWANI ICT Awards 2013	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 5.0	2013	Finalist Best Software  Finalist Best Mobile & New Media Content / Application  Winner Best Mobile & New Media Content / Application
Malaysia Technology Expo 2014	LONG RANGE NLOS DATA COMMUNICATION UTILIZING COMBINATION OF 2.4GHZ AND 900MHZ BAND	2014	Gold Medal MTE 2014 Best Award RM1000 Croatia Award

Exhibition/Competition	Product	Year	Result
	T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS		Gold Medal
	MACOMS: MALAYSIAN ARMY COLLABORATIVE MAP SYSTEM		Silver Medal
	PCMOTE DRIVER: ANDROID PHONE AS PC GAME STEERING CONTROLLER		Silver Medal
	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR		Gold Medal
	ROVFORS: ROAD VEHICLE FORENSICS RECORDING SYSTEM		Participated
	WEBSITE/RSS/DOCUMENT S LATIN ALPHABET LANGUAGE CHARACTERISTIC ANALYZER		Bronze Medal
			Most number of entry for individual inventor – 7
			Most number of medals for individual inventor – 6
5th International Engineering Invention & Innovation Exhibition 2014(i-ENVEX 2014) UNIMAP	HEALTH HEROES: A HEALTHY LIFESTYLE GAMIFICATION SYSTEM FOR CHILDREN  <u>Supervisor</u> Koong De Kai Kaavitrajothi A/P Selvakumar Muhamad Syahmi Bin Ahmad Fauzi	2014	Gold Medal
	MACOMS: MALAYSIAN ARMY		Bronze Medal

Exhibition/Competition	Product	Year	Result
	COLLABORATIVE MAP SYSTEM  <u>Supervisor</u> Thrimeshalla A/P Ravindran Mohd Arif bin Hasan Albakri Nurhazwani Hikmah Binti Harne		
Defence Services Asia (DSA 2014)	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM 1.5	2014	Participated
25th International Invention, Innovation and Technology Exhibition (ITEX 2014)	PCMOTE: ANDROID PHONE AS PC GAME MOTION CONTROLLER.  ROVFORS: ROAD VEHICLE FORENSICS RECORDING SYSTEM	2014	Silver Medal  Gold Medal
Kolokium & Pameran Penyelidikan dan Inovasi 2014 UPNM	HEALTH HEROES: A HEALTHY LIFESTYLE GAMIFICATION SYSTEM FOR CHILDREN  <u>Supervisor</u> Koong De Kai Kaavitrajothi A/P Selvakumar Muhamad Syahmi Bin Ahmad Fauzi	2014	Silver Medal
4th International Search & Rescue Conference & Exhibition (ISAR 2014)	SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 5.6	2014	Participated
MSC Malaysia APICTA Awards 2014	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR	2014	Winner Best of R&D  Represented Malaysia for R&D Category at the Asia Pacific APICTA Awards 2014 at Indonesia.  Winner Best of R&D Asia Pacific APICTA Awards 2014

Exhibition/Competition	Product	Year	Result
	LONG RANGE PORTABLE NLOS DATA COMMUNICATION UTILIZING COMBINATION OF 2.4GHZ AND 870MHZ BAND		Finalist (Best of Communications Applications)  Top 3 Communication Application in Malaysia
British Invention Show 2014	LONG RANGE PORTABLE NLOS DATA COMMUNICATION UTILIZING COMBINATION OF 2.4GHZ AND 870MHZ BAND	2014	Silver Medal
9th Malaysian Road Conference 2014 (MRC 2014)	ROVFORS: ROAD VEHICLE FORENSICS RECORDING SYSTEM	2014	Gold Medal  IENA 2014 MRC IIE 2014 Best Invention  Chartered Institution of Highways & Transportation (CIHT) Winner Trophy  Chartered Institution of Highways & Transportation (CIHT) Challenge Trophy  Will represent Malaysia for IENA 2015 at Nuremberg, Germany
Malaysia Technology Expo 2015	SEZTRIG: SSID EMERGENCY ZONE TRIGGER  G-NUR: GEO FENCE NATIONAL URGENT RESPONSE ALERT SYSTEM  SMART GLASS MOBILE TACTICAL HCI  ROVFORS: ROAD VEHICLE FORENSICS RECORDING SYSTEM  HEALTH HEROES: A HEALTHY LIFESTYLE GAMIFICATION SYSTEM FOR CHILDREN	2015	Gold Medal MTE 2015 Best Award RM1000  Gold Medal  Gold Medal  Silver Medal  Bronze Medal  100%

Exhibition/Competition	Product	Year	Result
			Most number of entry for individual inventor – 5  Most number of medals for individual inventor – 5
Langkawi International Maritime & Aerospace Exhibition (LIMA 2015)	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM	2015	Participated
6th International Engineering Invention & Innovation Exhibition 2015(i-ENVEX 2015) UNIMAP	TIME BASED PASSWORD LOGIN SYSTEM  <u>Supervisor</u> Loong Men Chau Muhammad Zufahmi Bin Mohd Shan  LIWANMS (GREEN) : LIGHT WEIGHT ANDROID NETWORK MONITORING SYSTEM (GREEN)  <u>Supervisor</u> Siti Nur Soleha Binti Adam Syafiqah Yusra Binti Mohamad	2015	Gold Medal Korea University Invention Association (KUIA) Award for Best International Invention  Gold Medal
Defence Security and Sustainability (DSS 2015) Colloquium & Exhibition UPNM	TACCOMS + SMARTLINK FOR COMPLETE TACTICAL COMMAND, CONTROL, COMMUNICATION AND COORDINATION (C4)	2015	Gold Medal Best Award
26th International Invention, Innovation and Technology Exhibition (ITEX 2015)	TACCOMS + SMARTLINK FOR COMPLETE TACTICAL COMMAND, CONTROL, COMMUNICATION AND COORDINATION (C4)  GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR  WORLD FIRST CROSS PLATFORM ANDROID/WINDOWS BIDIRECTIONAL MISSION CRITICAL REKEYING TCP STREAM CIPHER	2015	Silver Medal  Gold Medal  Gold Medal

Exhibition/Competition	Product	Year	Result
National Research & Innovation Competition Novel Research and Innovation Competition (NRIC 2015) USM	<p>TIME BASED PASSWORD LOGIN SYSTEM</p> <p><u>Supervisor</u> Loong Men Chau Muhammad Zulfahmi Bin Mohd Shan</p> <p>LIWANMS (GREEN) : LIGHT WEIGHT ANDROID NETWORK MONITORING SYSTEM (GREEN)</p> <p><u>Supervisor</u> Siti Nur Soleha Binti Adam Syafiqah Yusra Binti Mohamad</p>	2015	<p>Silver Medal</p> <p>Partipated</p>
MSC Malaysia APICTA Awards 2015	<p>WORLD FIRST CROSS PLATFORM ANDROID/WINDOWS BIDIRECTIONAL MISSION CRITICAL REKEYING TCP STREAM CIPHER</p> <p>GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR 2.0</p> <p>T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS</p>	2015	<p>Finalist (Best of Security)</p> <p>Top 6 Security Application in Malaysia</p> <p>Top University Security Application in Malaysia- Only University Finalist</p> <p>Finalist (Best of e- Inclusion &amp; Community)</p> <p>Top University of e- Inclusion &amp; Community in Malaysia- Only University Finalist Finalist (Best of R&amp;D)</p>
Verizon Powerful Answer Award 2015	GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR	2015	<p>Finalist/Top 12 World Wide (Emergency Response Category)</p> <p>The only finalist from an Asian country</p> <p>The first Malaysian finalist</p> <p>Shortlisted for showcase at Verizon, San Francisco</p>

Exhibition/Competition	Product	Year	Result
Defence Innovation Technology Acceleration Challenge (DITAC 2015)	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2015	Shortlisted for showcase at Austin, Texas
PECIPTA 2015	TACCOMS + SMARTLINK FOR COMPLETE TACTICAL COMMAND, CONTROL, COMMUNICATION AND COORDINATION (C4)  GEMPALOCATE: EARTHQUAKE ZONE EMERGENCY PERSONAL LOCATOR  WORLD FIRST CROSS PLATFORM ANDROID/WINDOWS BIDIRECTIONAL MISSION CRITICAL REKEYING TCP STREAM CIPHER	2015	Gold Medal  Gold Medal  Bronze Medal  100% The only UPNM Gold The only UPNM Double Gold
Malaysia Technology Expo 2016	WORLD FIRST CROSS PLATFORM ANDROID/WINDOWS BIDIRECTIONAL MISSION CRITICAL REKEYING TCP STREAM CIPHER  INSAF TRACKER: ADDICT RELAPSE PREVENTION SYSTEM  PASSWORD LOGIN SYSTEM WITH TIME BASED NON-INTRUSIVE SECURITY LAYER THAT OFFERS ADDITIONAL PROTECTION AGAINST PASSWORD CRACKING ATTACKS	2016	Silver Medal  Bronze Medal  Silver Medal  100%
7th International Engineering Invention & Innovation	WEBSITE/RSS/DOCUMENT S LATIN ALPHABET LANGUAGE CHARACTERISTIC ANALYZER	2016	Silver Medal



Exhibition/Competition	Product	Year	Result
Exhibition 2016(i-ENVEX 2016) UNIMAP	<p><u>Supervisor</u> Syarifah Binti Bahraini Raja Muhammad Amrul Bin Raja Mahadi Siti Noor Farana Binti Hisammuddin</p> <p>TIME SAVER QUEUING SYSTEM MOBILE APP</p> <p><u>Supervisor</u> Norsharikin Nadirah Binti Mustakin Mohammad Fairus Bin Zulkifli Nor Khairun Nabila Binti Lut</p> <p>VFORS: VEHICLE FORENSICS RECORDING SYSTEM</p> <p><u>Supervisor</u> Ahmad Nadzri Bin Aznan Sham Mohamad Azri Fikri bin Mohd Nizam Nur Atiqah Binti Zakaria</p>		<p>Gold Medal</p> <p>Gold Medal</p> <p>100%</p>
27th International Invention, Innovation and Technology Exhibition (ITEX 2016)	<p>MACOMS - MALAYSIAN ARMY COLLABORATIVE MAPPING SYSTEM</p> <p>PCMOTE STEERING: ANDROID PHONE AS PC GAME MOTION STEERING CONTROLLER</p> <p>T-PAD: A NOVEL METHOD OF NETWORK TRAFFIC PADDING UTILIZING DUAL FLOW METHOD TO PREVENT TRAFFIC ANALYSIS</p>	2016	<p>Gold Medal</p> <p>Gold Medal</p> <p>Gold Medal INPEX 2016 Award of Excellence</p> <p>100%</p>
Invention, Innovation & Design Exposition 2016 (IIDEX 2016) UITM	MISIMS: MOBILE INSPECTION STAFF INTEGRATED MONITORING SYSTEM	2016	Gold Medal

Exhibition/Competition	Product	Year	Result
	PAX LOCATE: AIRPORT PASSENGER LOCATOR UTILIZING INNOVATIVE WIFI TRACKING SYSTEM		Gold Medal
MSC Malaysia APICTA Awards 2016	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2016	Winner Best of R&D  Represented Malaysia for R&D Category at the Asia Pacific APICTA Awards 2016 at Taiwan  Merit Best of R&D Asia Pacific APICTA Awards 2016
Anugerah Inovasi Negara 2016 (AIN 2016)	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2016	Finalist (Product Category) RM1000 Top 10 innovative product in Malaysia
The Kuala Lumpur Engineering Science Fair (KLESF) 2016	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2016	Participated
Pertandingan Reka Cipta dan Inovasi Institusi Pengajian Tinggi Swasta 2016 (PERINTIS 2016) UNITEN	SYSTEM AND METHOD FOR MOBILE HCI VALIDATION (SPEED AND ACCURACY) FOR MISSION CRITICAL OPERATION USING LOGIC QUESTIONS  HIGH SPEED MISSION CRITICAL MULTIPLE CLIENTS/SINGLE SERVER OPERATION FAILURE DETECTION AND RECOVERY SYSTEM	2016	Silver Medal          Gold Medal
Malaysia Technology Expo 2017	PAX LOCATE: AIRPORT PASSENGER LOCATOR UTILIZING INNOVATIVE WIFI TRACKING SYSTEM  SYSTEM AND METHOD FOR MOBILE HCI VALIDATION (SPEED AND ACCURACY) FOR MISSION CRITICAL OPERATION USING LOGIC QUESTIONS	2017	Bronze Medal          Silver Medal

Exhibition/Competition	Product	Year	Result
	<p>HIGH SPEED MISSION CRITICAL MULTIPLE CLIENTS/SINGLE SERVER OPERATION FAILURE DETECTION AND RECOVERY SYSTEM</p> <p>PCMOTE DRIVER: DUAL PLAYER GAME MOTION CONTROLLER AS POC FOR MISSION CRITICAL TCP COMMUNICATION BETWEEN A WINDOWS SERVER AND MULTIPLE ANDROID CLIENTS</p>		<p>Silver Medal</p> <p>Gold Medal</p> <p>100% Outstanding Inventor Award</p>
Invention, Innovation and Design (IID) Johor 2017	<p>MISSION BEAM: SECURE HIGH ACCURACY DATA TRANSFER USING ANDROID BEAM TECHNOLOGY FOR HIGH RISK OPERATION</p> <p><u>Supervisor</u> Noor Fazliena Binti Baharin Nor Khairun Nabila Binti Lut Siti Noor Farana Binti Hisammuddin</p>	2017	Gold Medal
Langkawi International Maritime & Aerospace Exhibition (LIMA 2017)	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2017	Participated
28th International Invention, Innovation and Technology Exhibition (ITEX 2017)	<p>SMART GLASS MOBILE TACTICAL HCI</p> <p>HIGH SPEED MISSION CRITICAL MULTIPLE CLIENTS/SINGLE SERVER OPERATION FAILURE DETECTION AND RECOVERY SYSTEM</p>	2017	<p>Gold Medal</p> <p>Gold Medal</p> <p>100%</p>
Defence Security and Sustainability (DSS 2017) Exhibition UPNM	INSAF TRACKER: ADDICT RELAPSE PREVENTION SYSTEM		Bronze Medal

Exhibition/Competition	Product	Year	Result
	HIGH SPEED MISSION CRITICAL MULTIPLE CLIENTS/SINGLE SERVER OPERATION FAILURE DETECTION AND RECOVERY SYSTEM		Gold Medal  Best Award Fundamental Research
MSC Malaysia APICTA Awards 2017	VFORS: VEHICLE FORENSIC SYSTEM	2017	Winner Best of R&D
Asean ICT Award (AICTA 2017)	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2017	Finalist
PECIPTA 2017	MTACHS: MOBILE TACTICAL HCI SYSTEM	2017	Gold Medal  Special Award  Top 12 IHL R&D 2017
MOSTI TAHUN PENGKOMERSIALAN MALAYSIA (MCY) 2017	TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	2017	Anugerah Ulung  and  Anugerah Usahawan Penyelidik  RM230,000
Malaysia Technology Expo 2018	MTACHS: MOBILE TACTICAL HCI SYSTEM  VFORS: VEHICLE FORENSIC SYSTEM	2018	Gold Medal  Indonesia Special Award  Gold Medal
Islamic Innovation Expo 2018 (i-Inova' 2018) USIM	INSAF TRACKER: ADDICT RELAPSE PREVENTION SYSTEM  <u>Supervisor</u> <u>Sharmelen a/l Vasanthan</u> <u>Afifah binti Mohd Asri</u>	2018	Bronze Medal
8th International Engineering Invention & Innovation Exhibition 2018(i- ENVEX 2018) UNIMAP	INSAF TRACKER: ADDICT RELAPSE PREVENTION SYSTEM  <u>Supervisor</u> <u>Sharmelen A/L Vasanthan</u> <u>Afifah Binti Mohd Asri</u>	2018	Gold Medal          Silver Medal

Exhibition/Competition	Product	Year	Result
	<p>SYSTEM AND METHOD FOR MOBILE HCI VALIDATION (SPEED AND ACCURACY) FOR MISSION CRITICAL OPERATION USING LOGICAL MATHEMATICAL QUESTIONS</p> <p><u>Supervisor</u> Nabila Shakila Binti Mohamed Fadzil Nurin Athirah Binti Mohamed Rashid</p> <p>CROSS PLATFORM ANDROID/WINDOWS TCP BIDIRECTIONAL STREAM CIPHER.</p> <p><u>Supervisor</u> Wan Aisah Binti Abdul Aziz Muhammad 'Afif Bin Mohd Asri</p>		Silver Medal
Defence Services Asia (DSA 2018)	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM 1.5	2018	Participated
29th International Invention, Innovation and Technology Exhibition (ITEX 2018)	<p>VFORS: VEHICLE FORENSIC SYSTEM</p> <p>PCMOTE DRIVER: DUAL PLAYER GAME MOTION CONTROLLER AS POC FOR MISSION CRITICAL TCP COMMUNICATION BETWEEN A WINDOWS SERVER AND MULTIPLE ANDROID CLIENTS</p>	2018	Gold Medal Gold Medal
Indo Defence 2018	TACCOMS: TACTICAL COMMUNICATIONS OPERATIONS MANAGEMENT SYSTEM 7.2	2018	Participated
Malaysia Technology Expo 2019		2019	Judge
Langkawi International Maritime & Aerospace	TACCOMS: TACTICAL COMMUNICATION	2019	Participated

Exhibition/Competition	Product	Year	Result
Exhibition (LIMA 2019)	OPERATION MANAGEMENT SYSTEM		
Defence Security and Sustainability (DSS 2019) Exhibition UPNM	MERDU: MOBILE ENHANCED RESPONSE DATA UNIT	2019	Gold Medal 2 <sup>nd</sup> Overall
30th International Invention, Innovation and Technology Exhibition (ITEX 2019)	MERDU: MOBILE ENHANCED RESPONSE DATA UNIT	2019	Gold Medal

### 3.2 Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value and duration of consultancy)

Title	Place	Year	Status	Finance
KELKATU: ROTARY WING UAV FORMATION SEARCH AND RESCUE SYSTEM.	Kuala Lumpur	2011	Completed (2015)	Skyview Communications & Technologies Sdn Bhd
SARTAMS: SEARCH AND RESCUE TACTICAL MANAGEMENT SYSTEM 3.0	Kuala Lumpur	2012	Completed (2015)	System Consultancy Services Sdn Bhd (RM30,000)
FORMATION ROTARY WING UAV SYSTEM	Kuala Lumpur	2013	Completed (2015)	Pulsar UAV Sdn Bhd
LONG RANGE NLOS PORTABLE NETWORKING SYSTEM	Kuala Lumpur	2013	Ongoing	Landasan Teknologi Sdn Bhd
DEVELOPING A MALAYSIAN FOREST BATTLEFIELD ENVIRONMENT SIMULATOR FOR MALAYSIAN ARMY SMALL UNIT TACTICS	Kuala Lumpur	2013	Completed (2015)	Terato Tech Sdn Bhd (RM15,000)
TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	Kuala Lumpur	2014	Ongoing	Dataran Satria Sdn Bhd
TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	Kuala Lumpur	2016	Ongoing	ARS Sejahtera Sdn Bhd
TACCOMS: TACTICAL COMMUNICATION OPERATION MANAGEMENT SYSTEM	Kuala Lumpur	2016	Ongoing	Rugged Elite Enterprise

### 3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership and duration)


No.	Position/Membership	Duration
[Redacted]		

### 3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
[Redacted]					

I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.

Signature : 

Name :SYED NASIR ALSAGOFF BIN  
SYED ZAKARIA

Faculty/Department :FSTP

Date :20/7/2019

I verify that, to the best of my knowledge, all the information provided in the forms are true.

Dean  
Signature and Stamp :

Date :