CURRICULUM VITEA

2013 consultation

Name	:	AP Dr Norma Alias
Date of Birth	:	10 June 1968
Nationality	:	Malaysian
Marital Status	:	Married

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http://www.ibnusina.utm.my/about/images/stories/IIS/cv/cv_drnorma.pdf
https://scholar.google.com/citations?user=izD5QLoAAAAJ&hl=en
https://www.researchgate.net/profile/AP_Dr_Norma_Alias
https://utmscholar.utm.my/rmcscholar/scholar.do?method=mtdDisplayPersonal&noPekerja=5982

ACADEMIC QUALIFICATION

2004 : Ph.D. Industrial computing
Universiti : Universiti Kebangsaan Malaysia

Fakulti Sains Komputer dan Sistem Maklumat, Jabatan Komputeran

Industri

1997 : M.Sc. Komputeran Industri
Universiti : Universit Kebangsaan Malaysia

Fakulti Sains Komputer dan Sistem Maklumat, Jabatan Komputeran

Industri

1

1991   :   B. Sc. Ijazah Sarjana Muda Sains Matematik

Universiti : Universit Kebangsaan Malaysia

Pusat Pengajian Sains Matematik,

Fakulti Sains dan Teknologi

AWARDS AND HONORS RECEIVED

No	Date	Awards/Achievement
1	9 Feb 2018	Distinguished Woman In Science (India)
2	1 March 2018	Active Blended Learning Course (UTM)
3	15 August 2017	Perkhidmatan Cemerlang 2016
4	23 May 2017	5 Awards in 10 th Innovation and creativity Competition . UTM Centre for Student Innovation (UTM CSI)
5	10 August 2016	Perkhidmatan Cemerlang 2015
6	25 March 2015	6 Awards in 8 th Innovation and creativity Competition . UTM Centre for Student Innovation (UTM CSI)
7	26 June 2014	Perkhidmatan Cemerlang 2013
8	1 Jan 2013	PESAMA Award 2012
9	20 August 2013	Perkhidmatan Cemerlang 2012
10	19 March 2012	10 Awards in 5 th Innovation and creativity Competition . UTM Centre for Student Innovation (UTM CSI)
11	20 May 2011	Anugerah Khidmat Cemerlang 2010
12	6 Sept 2013	Collaboration Appreciation IC Herbz Integrated (ICHI)
13	6 Jan 2014	Appreciation Award SMK Seri Ampangan NS
14	4 June 2011	Collaboration Appreciation King Saud University
15	7 March 2011	Anugerah Pendepositan UTM-IR
16	13 Dec 2011	Best Paper Presenter For L&T Conference
17	4 June 2011	Oustanding Research Consultation KSU
18	13 Sept 2011	Pecipta_2011 Bronze Medal
	Dec 2005	Potential Researcher rewards 2005
19	2004-2010	11 Innovation Medals INATEX, MTE, PECIPTA, ITEX, SIFF Seoul International Invention Fair ,
20	Dec 2000	Anugerah Malaysia Book Record Projek Jalur Gemilang terpanjang
21	July 1995	Anugerah Khidmat Cemerlang 1995

PROFESSIONAL EXPERIENCE

No	Date	Position
1	2016-2018	Chair ICMMM 2016-2018
2	2016-2018	Chair ISHU 2016-2018
3	2015	Visiting Researcher, Novosibrisk Russia
4	2010-2011	Researcher , King Saud University
5	1994	
	1992-Present	*Universiti Teknologi Malaysia*
6	*1992-1996*	*i. Preparatory Center to Japan*
7	*1997-2007*	*ii. Faculty of Science*
7	*2007- Present*	*iii. Ibnu Sina Institute*
8	1991-1992	Young Lecturer Scheme, UITM Shah Alam
9	1993-1994	MOMBUSHO TRAINING , JAPAN
10	2000	Projek Jalur Gemilang terpanjang (Malaysia Book Record)

JOURNAL EDITOR/EDITORIAL/ADVISORY PANEL

i)   Scientific and Technical Committee & Editorial Review Board on Physical and Mathematical Sciences. 2016-Present

ii)   Editorial Board Member, Jurnal Teknologi (Sciences & Engineering) 7 Jan 2013 – 6 Jun 2015

iii)   Editorial Board Member, Malaysian Journal of Fundamental and Applied Sciences (MJFAS) 2017

iv)   Editorial Board Member, World Journal of Advanced Engineering and Technology (WJAET) 2016 - Present

v)   Editorial Board Member, Second International Conference on Advancement in Computer Engineering and Information Technology (ACEIT-2018)

vi)   Editorial Board Member, Radzi publisher 2016 - Present

vii)   Editorial Board Member, JNSQP 2017

viii)   Editorial Board Member, International Journal of Advanced Research in Applied Science and Technology 2017

ix)   Associate Editorial Board Member, MJFAS UTM 2015-Present

x) Editorial Board Member, International Journal of Advanced Information in Arts Science and Management (IJAIASM) 2017

xi) Editorial Board Member, Appointment as Editor in Chief, Matriks Sains Matematik {MSMK} 2015 - Present

xii) Editorial Board Member, International Conference on Mathematics, Statistics and Computer Science (ICMSCS 2017)

xiii) Editorial Board Member, Malaysian Journal of Fundamental and Applied Sciences 2007 - Present

xiv) Editorial Board Member, Recent Research in Knowledge and Information Systems Vol 78, No 122 2015- Present

xv) Editorial Board Member, Mathematics, Computer Science, IT, Computation Life Science and Application Vol. 2 2017

xvi) Editorial Board Member, International Conference on Mathematics, Statistics and Computer Science (ICMSCS 2017)

xvii) Editorial Board Members ISAAC SCIENTIFIC PUBLISHING 2007-2018

xviii) Membership I'M Research Consortium , Ibnu Sina Institite, UTM, 2016-2018

xix) Advisory Board Member, Second International Conference on Advancement in Computer Engineering and Information Technology (ACEIT-18) with focus on Intelligent System and Computing (ACEIT-18), 6-7 April, 2018 in Lucknow, UP, India

xx) COMMITTEE MEMBER , International Conference on Cloud, Big Data and Analytics 2018, 5-6 January 2018

xxi) International Scientific Committee, ICTPMC 2017: 19th International Conference on Theory and Practice in Modern Computing, 24-25 AUGUST 2017

xxii) Chief Editor, Vol 78, No 4-4 Mathematics ,Computer Science, IT, Computation Life Science and Application Vol. 2

xxiii) Chief Editor Jurnal Teknologi Vol 78, No 4

xxiv) Editorial board Recent Research in Knowledge and Information Systems Vol 78, No 12-2

xxv) Editorial Board International Journal of Advanced Information in Arts Science and Management 2016-Present

ADMINISTRATIVE EXPERIANCE

Faculty Level

I. Chairperson of drafting and evaluation Final Exam Paper SEM I Session 2017/2018 FS
II. Chairperson of drafting and evaluation Final Exam Paper SEM II Session 2016/2017
III. Chairperson of CSNANO Networking and Linkages Division 2015-Present
IV. Appointment as Dissertation Chairperson for Chia Jin Sian, 4th January 2017

V. Appointment as Head of Final Examination SEM II Session 2015/2016 FS
VI. April 2005 - July 2007 Manager IT Nathenatics Department FS UTM
VII. Chair MSC Viva SITI ZULAIHA ASPON, 17 December 2014
VIII. Chair MSC Viva Yaseen Mohammed, 22 Dec 2014
IX. Chair MSC Viva NOR SYAHIDA AHMAD SAFERI, 22 Dec 2015
X. Reviewer Committee Member for PSM 2011- Present
XI. Chairperson Committee Member for PSM 2011- Present
XII. Examiner Committee Member for MSC 2011- Present
XIII. Chairperson Committee Member for MSC 2014
XIV. Committee Member Ibnu SIna Institute UTM Management 2007-2015
XV. Committee Member CSNANO Management 2015-Present
XVI. Committee Member CSNANO Seminar and Training 2015-Present
XVII. Committee Member CSNANO Welfare Board 2015-Present
XVIII. Committee Evaluator (Penilai Rakan Sekerja) Science Faculty 2014-2015
XIX. Organizing CS Nano Seminar Series: Education, Active Knowledge and Literacy for Oncoming Centuries 23 Nov 2015
XX. Faculty Panel of Evaluation, for promotion exercise to Associate Proffesorship (Gred DS54)
XXI. Head of Recite Quran Group , Muslimah Staff and Students at Ibnu Sina Institute 2007-Present
XXII. Head Evaluator for Numerical Method Subjects, Final Exam 2015-2018 (Sem 1)
XXIII. Supervisor Industrial Training , 2004- Present
XXIV. Pengurus IT Jabatan Matematik Faculty Science 2005-2007
XXV. Ketua Pengawas peperiksaan akhir semester I & II sesi 2007/2008.
XXVI. Jawatankuasa Perunding Kompter Fakulti Sains 2006
XXVII. Ketua Penyelaras Kerja Bagi Menyiapkan Persembahan Multimedia 2007
XXVIII. Pengerusi Ajk Promosi, 5s, Kebersihan Dan Keceriaah , Ibnu Sina Institute , 2011-2014
XXIX. Jawatankuasa Penerbitan, , Ibnu Sina Institute , 2013-2014
XXX. Pengerusi, AJK Seminar Series Ibnu Sina Institute, 2013-2016
XXXI. Penilai Kertas Peperiksaan Panel Kaedah Berangka, UTM-Jabatan Matematik Fakulti Sains 2013
XXXII. Member of BAKSIIS Ibnu Sina Institute UTM 2007-Present
XXXIII. Chair of Committee Member, Video koperat IIS 2012-2013
XXXIV. Pengerusi Ahli Jawatankuasa Pengkomputeran Selari Jabatan Matematik 2004-2007
XXXV. Penyelia latihan Industri Fakulti 2005
XXXVI. Ahli Jawatankuasa Infrastruktur Jabatan 2006-Present
XXXVII. Ahli Jawatankuasa Penerbitan Jabatan Matematik 2006-2008
XXXVIII. AJK Badan Kebajikan & Khidmat Masyarakat Jabatan Matematik Fakulti Sains UTM
XXXIX. Penolong Ketua Jawatankuasa Keselamatan Jabatan Matematik 2005-2007
XL. AJK Jawatankuasa Penyelidikan Jabatan Matematik 2005-2007
XLI. Pengerusi dan Pemeriksaan Dalaman PSM 2006-2008
XLII. AJK E-learning Fakulti Sains
XLIII. AJK Jaminan Kualiti Program Matematik Industri
XLIV. Penanda kertas peperiksaan akhir sem. 1 sesi 2005/2006

XLV.   Panel Penilai Soalan Peperiksaan Akhir dan Skema Markah 2008

XLVI.   Pengerusi dan Pemeriksaan Dalaman MSc 2007-2008Pengerusi dan Pemeriksaan Dalaman PSM 2007-2008

XLVII.   Ahli Jawatankuasa Pengajaran & Pembelajaran Jabatan Matematik 2007-2008

XLVIII.   Fasilitator Bengkel Mengemaskini Laman Web Dan e-Learning Jabatan Matematik 2007

XLIX.   Jabatan Matematik, Fakulti Sains, 2009-Present

L.   AJK Pengurusan dan Pembangunan Makmal 2008

LI.   AJK Penyelidikan Jabatan Matematik 2008

LII.   AJK Penutup, Perasmian dan Penyediaan Montaj Minggu Penyelidikan Sains dan Matematik 2008

LIII.   CHAIRPERSON MSC VIVA MAYAMIN SYAFINI MOHD AZLAN, 6/09/2017

LIV.   CHAIRPERSON PHD VIVA   Chia Jin Sian18/12/2016

LV.   CHAIRPERSON MSC VIVA , SITI ZULAIHA ASPON 14 Dec 2014

University Level

i.   Research Fellow UTM 2007-Present

ii.   Committee Review Member for Product Innovation, Education Faculty, 2015

iii.   Panel Penilai Teknikal Penilaian ProposaL GUP TIER 1, TIER 2, EG DAN PAS, Nanotechnology Research Alliance, 2014

iv.   Penilai Proposal Geran Penyelidikan Fasa II FRGS

v.   Supervisor for UTM YES Program (Excellence Scientise Program) 9 Feb- Jun 2016

vi.   Penal Interview for the Program of How to Get Yourself Employed, Science Faculty, 2013-2014

vii.   Motivational speaker of the Faculty of Graduate StudFFents education UTM.

viii.   Keynote Speaker for IGCESH 2013, K-Economy Research Alliance (UTM RAKE), UTM.

ix.   Appointed as Central Committee Member for Journal of High Impact, No. 1/2013

x.   Appointed at Center of Excellence , Ibnu Sina Insitutute UTM 2013-2015

xi.   Member Task Force Postdoctoral Program, 24 May 2012

xii.   Chair of Global Outreach Programme For Students And Staff, Technology University Of Malaysia, Effat University Saudi Arabia, 2-10 Feb 2012

xiii.   Chair of Global Outreach Programme For Students And Staff UTM- AL IMAM University, Riyadh Saudi Arabia, ON 15-23 DECEMBER 2012

xiv.   Chair of Global Outreach Programme For Students And Staff, UTM - Taibah University. Madinnah Saudia Arabia , 2-10 Feb 2012

xv.   Project Leader, Keberkesanan Program Pencegahan RELEKS menerusi operasi menyelam dan mengawal pernafasan di dalam air (Scuba Diving) kepada pengguna, penyalahguna dan penagih dadah. Initiate Geran Penyelidikan Dadah AADK, 1 July 2012

xvi.   IIS Koordinator, Kem Olympiat NanoMalaysia Peringkat Sekolah, IIS dan Directorat Nanotechnologi Kebangsaan, 3-7 Dec 2012

xvii.   Member of BAKSIIS Ibnu Sina Institute UTM 2007-Present

xviii.   Pengerusi AJK Pengoperasian LINUX 2005-2007

xix. Pengerusi Jawatankuasa Seminar Institute Ibnu Sina

xx. Penolong Penal Berangka 2005-2006

xxi. Ahli Jawatankuasa Forum Matematik 1997-1999 / 2003-2006

xxii. Felo Asrama Kolej Pertama UTM K.L 1994-1997

xxiii. Felo Asrama Kolej Tun Razak UTM J.B 1998-1999

xxiv. Ahli Jawatankuasa Program Sarjana Sains (Nanoteknologi) 2009

xxv. Felo Penyelidik Institut Kajian Sains Fundamental Inbu Sina Utm 2007-2009

xxvi. Ahli Jawatankuasa Matematik Ibnu Sina 2004-Present

xxvii. Ahli Jawatankuasa YSC 2010-Present

xxviii. Hakim petandingan rekacipta/inovasi bahan pembelajaran dan pembelajaranpendidikan sains dan matematik 2008

xxix. Ibnu Sina Institute, UTM 2009-Present

xxx. RMC, UTM, 2009

xxxi. Pengerusi Seminar Series Monthly, Ibnu Sina 2009

xxxii. Chair RAFSS 2017

xxxiii. Perancangan Program Degree ++ Semester I & II 2009/2010

xxxiv. Pemeriksa Skrip Jawapan Peperiksaan Semester Program Matrikulasi (PSPM) 2007

xxxv. AJK Penilaian Akhir Laporan Tender Mini High Performance Computing project 2009

xxxvi. AJK Perbincangan Penyediaan Kertas Kerja Coe Mohe Bil. 2/09 2009

xxxvii. Ahli Jawatankuasa Perbincangan Pemurnian SKT 2009

xxxviii. AJK Program Sarjana Sains (Nanoteknologi) 2008

xxxix. AJK perbincangan penyediaan dokumen bagi video kesan pembelian peralatan menggunakkan geran idb2 2008

xl. Ketua Pembangunan Laman Web 2007

xli. AJK Booklet IIS 2009

xlii. AJK Program Matematik IIS 2009

xliii. AJK YSC 2010

xliv. AJK Pembangunan Makmal Multicore Programming 2009

xlv. AJK Tadarus Quran untuk Muslimah Staf Ibnu Sina Institute 2009

xlvi. AJK bengkel comsol multiphysic makmal komputer Ibnu Sina Institute 2008

xlvii. AJK Bengkel Matlab Distributed Computing, Makmal Komputer Ibnu Sina Institute 2008

xlviii. AJK Bengkel Matematika Grid, Makmal Komputer Ibnu Sina Institute 2008

xlix. AJK menerima lawatan rasmi MIMOS ke IIS 2008

l. AJK Second ICOWOBAS & RAFSS 2009

li. AJK Program Khas Hari Keluarga BAKSIS 2008

lii. AJK UTM-IR-IIS 2007-2008

liii. AJK Penilai Makalah Untuk Jurnal Teknologi 2008

liv. Penilai Makalah Untuk Prosiding Icoms 2007

lv. Setiausaha PSM

lvi. AJK Majlis Penutup Sksm 15

lvii. Penceramah Bengkel Mengisi Borang FRGS 1/2010

lviii. AJK Penceramah Bengkel Mengisi Borang E-Science 1/2010

lix. Appointment as evaluater panel of Evaluation research proposal TIER 2 PANEL PENILAI TEKNIKAL PENILAIAN PROPOSAL GUP TIER 2 2017/1 NICHE AREA FRONTIER MATERIALS

lx. Appointment as evaluater panel of PY/2017/00252 Jordan-Chevalley Decomposition for Eeg Signals During Epileptic Seizure 2017

lxi. Appointment as evaluater panel of research grant –

lxii. Chairperson Mathematical Logic 2015-Present

lxiii. Committee member of Nanotech challenge through creativity Technical Program Committee, Material Innovations and Nano-Electronics (MINE) Group Department of Electrical Engineering Faculty of Electrical Engineering Universiti Teknologi Malaysia 2017

lxiv. Full Member COE UTM 2013-Present

lxv. Member of Material Innovations and Nano-Electronics (MINE) 2017

lxvi. Chairperson of CUDA Workshop 2016-2017

lxvii. Member of Mathematica HPC CICT UTM 2013-Present

lxviii. Committee member of Program and Course development on big data analyst 2016-2017

lxix. Member of Penilaian Geran PRGS 2016

lxx. Panel Member of GUP Tier 1 2015/3 APPOINTMENT

lxxi. Committee member of Big data analytics and data science 2016-2017

lxxii. Committee member of 10th Inovation Competition, Pusat Inovasi Mahasiswa 2016-2017

lxxiii. Committee Member of Mathematica HPC , UTM CICIT 2016-2017

lxxiv. Task Forse Committee of Middle East Countries Research Grant Champion 2015-Present

lxxv. Member of Panel Penilai dan Penilaian Proposal GUP Tier 1 2016-2017

lxxvi. Committee member of Task Force International & Private Funding UTM 2015-Present

lxxvii. Committee member of peningkatan silibus MSCM 1353 for year 2016 : Parallel Computing (from small data to big data) 2016

lxxviii. Committee member of Program and Course development on big data analyst 2016-2017

lxxix. Member of Panel Penilai dan Penggubal Peperiksaan 2016-2017

lxxx. Advisor of CSI Inovation Competition 2015-Present

lxxxi. Fasilitator high impact publication workshop 2016-2017

lxxxii. Fasilitator review paper workshop 2016-2017

lxxxiii. UTM Task force 4th Industrial Revolution 2016-2018

lxxxiv. Committee Task Force, Big data analytics and data science 2017

NATIONAL COMMITTEE

i. Chair of Muslim Researcher Association of Johor 2015-Present

ii. Mentor for RACE. Kementerian Pengajian Tinggi Malaysia, 8 Feb 2015-Present

iii. Committee Member of External Examiner Group USM 9 Jun 2015- Present

iv. Committee Member , Persatuan Kebajikan Anak Minang Negeri Johor, 25 April 2015

v. Permanent Committee for Persatuan Sains Matematik Malaysia (PERSAMA)

vi. Committee Member , Malaysian Antarctic Research Programme (MARP) 2015- Present

vii. Advisory Committee Member, lmk postgraduate research symposium 25 Nov 2015

viii. Appointment as Chair Organizer - COMSOL Multiphysics Workshop UTM-12 March 2015

ix. Appointment as Mentor RACE Faza 2 2015-2016 - UTM and UNIMAP, 8th – Feb - Dec , 2015

x. Appointed as Evaluation Committee Member for Potential Center of Excellent (COE), Malaysian Technical University Network (MTUN). May 2012- present.

xi. Chair Committe of Sponsorship Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014), Ibnu Sina Institute, 8-11 Sept 2014, 2013

xii. Chair Committe of Sponsorship Regional Annual Fundamental Science Symposium 2014 (RAFSS 2013), Ibnu Sina Institute, Sept 2013

xiii. Chair Parallel Session, Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014), Ibnu Sina Institute, 8-11 Sept 2014

xiv. Committee Member , GPU Malaysia User Group, Mimos , Cyberjaya Kuala Lumpur 2013-2014

xv. Associate Member , IJN-UTM Cardiovascular Engineering Centre (Cardio Centre), 21 Dec 2012

xvi. Associate Member , UTM Antarctic Research Center, 2012-2014

xvii. Member , Research Project, Web Based Integrated Database System Of Numerical Algorithms Library And Repositories. UNIMAS 3 Jan 2013

xviii. Project Leader , Computer-aided imaging for craniofacial reconstruction (Ameloblastoma tumour, brain tumour, etc) and tumour growth prediction based on CT/MRI images. Craniofacial Medical Imaging Group in USM Health Campus. 4 Sept 2012

xix. Project Leader , The parallelization of mathematical modeling of sustainable urban land use based on a synthesis neural-network (NN) and cellular automata (CA) using GIS database., Universiti Teknologi Malaysia (UTM) Dan Iskandar Regional Development Authority(IRDA), 27 Nov 2012

xx. Fasilitator Karnival nanotechnology Zon Sarawak, NanoMalaysia Sdn Bhd, 14 -16 Dec 2012

xxi. Fasilitator Booth - NanoWorld Education Forum, NanoMalaysia Sdn Bhd, 5 Nov Dec 2012

xxii. Program Chair , Olympiad Nanotech Camp 2012, Direktorat Nanoteknologi Kebangsaan Kementerian Sains, Teknologi Dan Inovasi , 26th – 30th November 2012

xxiii. Fasilitator, Karnival Sains & Gerakan Inovasi (SGI2012) 19-25 Jun 2012

xxiv. National Mathematical Expert for revision the Malaysia Reseach and Development Classification System 6 th Edition, MOSTI. 20 Jan 2011

xxv. Felo Kolej Ibrahim Yaakub, UKM 1999-2000

xxvi. Committe Member, IIS Seminar 2008-Present

xxvii. Anggota Sekretariat ICoMS 2007

xxviii. Pemeriksa Skrip Jawapan Matematik Program Matrikulasi 2007

xxix. Fasilitator Bengkel Mengemaskini Laman Web Dan E-Learning 2007

xxx. Ahli Jawatankuasa Persediaan Simposium RAFSS 2010

xxxi. Ahli Panel Forum Matematik Sempena Karnival Matematik & Robotik MRSM Se Malaysia

xxxii. AJK Lawatan Pesat ke Singapura

xxxiii. Appointment as committee member of SKSM 2016

xxxiv. Chair Committe of IMK postgraduate research symposium (IMPResS2) 2016

xxxv. Member of MyGRANTS Panel Invitation 2015-Present

xxxvi. Appointed as chairperson for Evaluation of Poster Presentation for Postgraduate student, 21 December, 2016.

xxxvii.   Pemeriksa Luar Program Master at Universiti Putra Malaysia 2009

INTERNATIONAL APPOINTMENT/COMMITTEE

i.   Reviewer Committee for 15th International Conference on Intelligent Software Methodologies, Tools and Techniques , SOMET 2016, 2017,Iwate Prefectural University, Iwate, Japan.
ii.   Technical Committees, 2018 6th International Conference on Information and Education Technology (ICIET 2018), January 6-8, 2018, Osaka, Japan
iii.   COPE membership, Engineering International, Committee on Publication Ethics: COPE, 2017-2018
iv.   Chair, Doctoral Workshop 2015
v.   Technical Commitee , Material Innovations and Nano-Electronics (MINE) 2017
vi.   Ibu Sina Institute UTM & AWKUM, 26 August 2015
vii.   Visiting Researcher KSU 2010
viii.   Reviewer ICNP 2017
ix.   Reviewer ASDF June 2017
x.   International Reviewer for Tenured Associate Professor of Mathematics. Fiza Zakar, 2016
xi.   Chair Parallel Session IC-STAR 2015
xii.   Chair Parallel Session International Postgraduate Network (IPN.org) and IWNEST, ICPRC 2015
xiii.   Reviewer Committee Journal Teknologi 2015-2016
xiv.   Reviewer Committee Journal of Information Technology in Asia (JITA), 2015-2016
xv.   Reviewer Committee Sains Malaysia Journal 2015
xvi.   Reviewer Natural Sciences: Applied Mathematics and Information Sciences 2015
xvii.   Reviewer Neural Computing and Application 2015
xviii. Referee for Malaysian Journal of Mathematics Sciences 2015
xix.   Reviewer for 10th International Power Engineering and Optimization Conference 2015
xx.   Borneo Science: Journal of Science and Technology 2014
xxi.   Reviewer Board IJCAT Journal, 28 Nov 2013
xxii.   Referee for MATEMATIKA Article-Special Edition (Sciences)
xxiii. Editor for Proceeding of ICCSS 2015 & ICCSS 2017
xxiv.   General Chair 3rd International Conference on Computational and Social Sciences (ICCSS-15) is scheduled at Universiti Teknologi Malaysia, Johor Bahru, Malaysia, 25-27 August 2015
xxv.   Technical Committee SKSM 23 on 2015 18 Feb 2015
xxvi.   Editor For Special Issue In Journal Teknologi 2015 for selected Paper in ICCSS 2015
xxvii. Expert Committee Member in Computational Mathematics SKSM 2015, 18 Feb 2015-2016
xxviii. Chair Parallel Session , The "2nd International Conference on Computational and Social Sciences (ICCSS-2014), Recep Tayyip Erdoğan University, Rize, Turkey, 26-28, August, 2014
xxix.   Chair Parallel Session, The 2nd International Conference on Internet Services Technology and Information Engineering 2014 (ISTIE 2014), Bali Indonesia, 31 May -1 Jun 2014,
xxx.   Chair Parallel Session, Third International Conference on Polymer Processing and Characterization (ICPPC 2014), Mahatma Gandhi University, Kottayam,Kerala, india, 11-13 Oct 2014
xxxi.   Technical Committee Members, The 13th International Conference on Intelligent Software Methodologies, Tools, and Techniques (SOMET_14), Langkawi, Kedah, 22-24 Sept 2014

xxxii.	Technical Committee Members, HORIZON 2020 India- China – Europe Program, Mahatma Gandhi University, Kottayam,Kerala, india, 11-13 Oct 2014
xxxiii.	Technical Committee Members, International Grant Application, Jurusan MIPA Program Studi Matematika Universitas Jenderal Soedirman, Indonesia 22 November2014
xxxiv.	Committee Members, Research Collaboration with Novosivbirsk State Technical University , NSTU (Faculty of Aircraft Engineering of NSTU) 12 Dec 2014
xxxv.	Committee Members, Collaboration for TRGS Grant initiation 2014
xxxvi.	Committee Member ICORAFSS 2009 2 Jun 2009 hingga : 4 Jun 2009
xxxvii.	Chair Parallel Session, 1st Annual International Conference on Advances Technology in. Telecommunication, Broadcasting, and Satellite 2013 (TelSaTech 2013), 2-3 August 2013
xxxviii.	Committee Members, ICOWOBAS - RAFSS 2013, 3-5 Sept 2013
xxxix.	Chair Parallel Session , ICOWOBAS - RAFSS 2013, 3-5 Sept 2013
xl.	Leader , Unit of IP And Incubator , King Saud University, 2010-2011
xli.	Leader , Unit of Research Collaboration , IT Department, King Saud University, Saudi Arabia, 2010-2011
xlii.	Consultant Development of Bioinformatic Course for MSC student at King Saud University. 2010-2011
xliii.	Accreditation consultation for MSC programme, IT Department, College of Computer and Information Science, King Saud University, 30 March – 30 May 2011
xliv.	Computer Engineering (CE) Female Master Coordinator. King Saud University, 2010- 2011
xlv.	Learder Plagirizm with Turnitin , IT Department, King Saud University, Saudi Arabia, 2010-2011
xlvi.	Reviewer For KSU's Associate Professor Promotion, King Saud University, Saudi Arabia, 2010-2011
xlvii.	Reviewer For KSU's Assistance Professor New Intake, King Saud University, Saudi Arabia, 2010-2011
xlviii.	Penal Interviewer For KSU'S New Lecturer New Intake, King Saud University, Saudi Arabia, 2010-2011
xlix.	Technical Committees, 2018 6th International Conference on Information and Education Technology (ICIET 2018), January 6-8, 2018, Osaka, Japan
l.	Visiting Researcher KSU 2010
li.	Committee member at The ICMMSE 2017: 19th International Conference on Mathematical Methods in Science and Engineering
lii.	Appointment as committee member at ICGIHE 2018: International Conference on Globalisation and Issues of Higher Education 2018 Sydney, Australia 2-4 APRIL
liii.	Appointment as committee member at International Conference on Innovative Computing (IC)2 2018 March 14 - 16, 2018 Lahore, Pakistan
liv.	Appointment as committee member at The ICCEP 2017: 19th International Conference on Computational Electromagnetics and Photonics LONDON UNITED KINGDOM
lv.	Appointment as committee member at Engineering International is and member of COPE 2016
lvi.	Appointment as committee member at International Conference on Cloud, Big Data and Analytics 2018, 5-6 January 2018
lvii.	Appointment as committee member at ICCAIT 2018 International Conference on Computer Application and Information Technology 2018 November 21 - 23 November 2018
lviii.	Appointment as committee member at ICGIHE 2018: International Conference on Globalisation and Issues of Higher Education 2018 Sydney, Australia 2-4 APRIL

lix.   Appointment as committee member at Research Publish Journals i-d online International Journal publishing Organisation.

lx.   Appointment as committee member at The ICTPMC 2017: 19th International Conference on Theory and Practice in Modern Computing 24-25 AUGUST 2017

lxi.   Appointment as Chairperson of Matriks Sains Matematik (MSMK)

lxii.   Appointment as Chairperson of International Virtual Conference in Multidisciplinary Method and Model 2016

lxiii.   Committee member Indonesia Malaysia Research Forum & RAFSS 2016

lxiv.   Member of International Journal of Advanced Information in Arts Science and Management (IJAIASM) is as Editorial Board Members

lxv.   Chaiperson of ISHU2016. International Seminar Between HZU And UTM 2016

lxvi.   Chairperson of International Virtual Conference in Multidisciplinary Method and Model 2016

lxvii.   Head of Reviewer Committee of Advanced Science Letters for ISHU 2016

lxviii.   Head of Reviewer Committee of Advance Science Letter for ICMMM 2016 melalui Easychair system

lxix.   Chairperson session: ICMPBB 2016: 18th International Conference on Medical Physics, Biophysics and Biotechnology

lxx.   Chairperson of ICAMMM 2016: 18th International Conference on Applied Mechanics, Materials, and Manufacturing

lxxi.   Committee member of Penubuhan Asia Islamic University of Science and Technology, Yala, Thailand

lxxii.   Chaiperson of Differential Equations and Applications (May 26-28, 2016)

lxxiii.   Chairperson for parallel session RAFSS 2016

lxxiv.   Academic Advisor for Intensive course on LUNA at Supercomputer Research Center Novosibrisk Russia

lxxv.   Chair Organizer LUNA WORKSHOP , 23-24 November 2015

lxxvi.   Reviewer Committee Invitation for 2016 10th International Power Engineering and Optimization Conference

lxxvii.   Reviewer committee Journal of IT in Asia :Simulation of 2D surface flow in open channel using explicit finite difference method.

lxxviii.   Reviewer committee for The Level of Fear based on Gender and Its Impact in Vaccination Decision through Simulation

lxxix.   Committee member of Visit Huizhou, Guangdong, PRC

lxxx.   Reviewer committee of Parallel Highdimensional Multiobjective Feature Selection for EEG Classification with Dynamic Workload Balancing on CPUGPU Architectures

lxxxi.   Reviewer committee of Neural Computing and Applications journal: Stochastic numerical treatment for solving FalknerSkan equations using Feed Forward Neural Networks

lxxxii.   Reviewer committee of book chapter SOMET 2016

lxxxiii.   Reviewer committee for Journal of Electronic Science and Technology (ISSN 1674862X) JEST SIGC Â" 603164, 603212, 603271 Review Invitation

lxxxiv.   Reviewer committee of IJEFI & IRMM

lxxxv.   Reviewer committee of AIP Publication for The 8th International MultiConference on Complexity, Informatics and Cybernetics: IMCIC 2017.

lxxxvi.   Reviewer committee of Jurnal Teknologi titled Visualization and Centrality Measurement of Social Network Analysis

lxxxvii.   Reviewer committee of Jurnal Teknologi: Freeman Chain Code As Representation in Offline Signature Verification System

lxxxviii.   Reviewer committee of Jurnal Teknologi: The Mechanics of the Presentation Mining Framework.

lxxxix.   Reviewer committee of Jurnal Teknologi : A Study to Investigate the Effect of Perceived Interactivity and Social Norm to the Continuance use of Mobile Wellness Apps (MWA)

xc.   Reviewer committee of Factors Influencing Telemedicine Adoption for Clinicians in Nigeria

xci.   Reviewer committee of Path Planning Simulation using Harmonic Potential Fields through Four Point-Edgsor Method via 9-Point Laplacian

xcii.   Reviewer committee of Block Backward Differentiation Formulas for solving Fuzzy Differential Equations under Generalized Differentiability

xciii.   Reviewer of MYGRANT FRGS 2016-1 Hydromagnetic Convective Flow over an Exponentially Stretching Sheet with Fluid-Particle Suspension Improved Conjugate Gradient Methods for Unconstrained Optimization Problems Dynamic Topological Transformation between Epileptic Seizure and Flat Electroencephalography

xciv.   Reviewer of MYGRANT: PRGS: TrafficGeni : Intelligent Traffic Management Solution

xcv.   Reviewer of MYGRANT FRGS Evaluation Dynamic Topological Transformation between Epileptic Seizure and Flat Electroencephalography

xcvi.   Reviewer of JT journal Titled: History Tracking Ability of Hybrid Second and Fourth Orders Runge Kutta in Solving Delay Differential Equations

xcvii.   Reviewer committee of [MJFAS] Automated Submission Review Applied SCGM(1,1)C Model and Weighted Markov Chain for Exchange Rate Ratios

xcviii.   Appointment as Member of International Advisory Committee for Malaysia Polymer International Conference (MPIC 2013) 25 – 26 September 2013.

xcix.   Advisory Board International Conference on Advanced Materials Science and Technology (ICAMST) 17 – 18 September 2013, Yogjakarta, Indonesia

c.   Chair for Join Conference -International Conference on Physical and Numerical Sciences 2018, UTM –AWKUM 14-16 August 2018, Video Conferencing

ci.   Academic Advisor , Penubuhan Asia Islamic University of Science and Technology, Yala, Thailand 2016-2017

cii.   Riviewer Committee IJEFI & IRMM 2016

.

PROFESSIONAL MEMBERSHIP AND RECOGNITION

i.   Committee Member, The Society of Digital Information and Wireless Communication (SDIWC), ID: 3145, 2014-2015

ii.   Advisory Committee ENMAT-II & The society for Energy Environment & Material Science (SEEMS), Orissa Engineering College, Bhubaneswar India 3 Sept 2015- 5 March 2016

iii.   Membership of Editorial Advisory Board, Handbook of Research on Shifting Perspectives on Social Interaction in the Digital Age, 16 Jan 2015-2016

iv.   Technical Committee Member, 2nd International Conference on Cryptography and Security 2015 [ICCS 2015]

v.   Association of Scientists, Developers and Faculties Chennai India , 2 Nov 2015-2016

vi.   Science and Technical Committee Editorial Review Board Member , International Scientific Committee Connecticut USA, 31 Oct 2015-2016

vii.   Editorial Board Malaysia Journal of Fundamental & Applied Sciences (MJFAS) 2010-Present
viii.   Konsultan , Pembangunan Daya Kreativiti dan Inovasi Secara Holistik Melalui Pendidikan Teknikal dan Vokasional, Institut Kemahiran Mara Johor Bahru, 2013
ix.   AJK mesyuarat jawatankuasa kecil protokol, joint 2nd international conference and workshops on basic and applied sciences and regional annual fundamental science seminar 2009
x.   9th International Conference on Fracture and Strength of Solid, FEOFS2013, 9-13 June 2013, Jeju Korea
xi.   Technical Committee Members , ICOWOBAS-RAFSS 2013 3-5 Sept 2013
xii.   Chair Sponsorship Committee Members, RAFSS 2013 10-13 Dec 2012
xiii.   Chair of Parallel Session, RAFSS 2013 10-13 Dec 2012
xiv.   Chair of Parallel Session IASTED International Conference on Advances in Computer Science and Engineering, ACSE 2009.
xv.   Scientific Committee, The International Conference on Aerospace and Aviation, ICASA ITB 2018

TEACHING & TTRAINING EXPERIANCES

i.   Handling Workshop Matlab 2012-2018
ii.   OUM Tutor, Numerical Method, 1 Sept 2015- 31 August 2016
iii.   Industrial Training at HPC Group , Ibnu Sina Institute , FATIN NAEMAH BINTI MOHD FARID 2015
iv.   Industrial Training at HPC Group , Ibnu Sina Institute , Safawaton , 2016
v.   Bioinformatic Course for MSC student , King Saud University, 2010 – 2011
vi.   Computer Engineering (CE) Female Master Coordinator. King Saud University, 2010- 2011
vii.   ELEMENTARY ANALYSIS , OUM, 2007-2010

TEACHING EXPERIANCES UTM

Sesi Pengajian 2011-2018	Kod Matapelajaran	Matapelajaran	Peringkat**	Kredit
201720182	MSCM1323	PARALLEL COMPUTING	MSc	3
	SSCU4904	PROJEK SARJANA MUDA II	BSc	4
	SSCM 3293	NUMERICAL METHOD II	BSc	3
201720181	SSCE2393	NUMERICAL METHOD I	BSc	3
	SSCU 4902	PROJEK SARJANA MUDA 1	BSc	2
	TP22	UTM DEGREE ++	BSc	2

201620172	UKQU2202	ELEKTIF INOVASI & KREATIVITI	BSc	2
	MSCM1323	KAEDAH BEZA TERHINGGA UNTUK PERSAMAAN TERBITAN SEPARA	MSc	3
	SSCU3905	LATIHAN INDUSTRI	BSc	5
	SSCU4904	PROJEK SARJANA MUDA II	BSc	4
201620171	SSCU 4902	PROJEK SARJANA MUDA 1	BSc	2
SEK 1	SSCM2423	KAEDAH BERANGKA I	BSc	3
SEK 2	SSCM2423	KAEDAH BERANGKA I	BSc	3
201520162	SSCU 4902	PROJEK SARJANA MUDA 1	BSc	2
	SSU3905	LATIHAN INDUSTRI PROGRAM KERJASAMA KTD & UTM	BSc	5
	SSCU4904	PROJEK SARJANA MUDA II	BSc	4
	UKQU2202	INNOVATION AND CREATIVITY	BSc	2
201520161	SBMA 4203	KAEDAH MATEMATIK LANJUTAN	BSc	3
	MSM1353	PERKOMPUTERAN SELARI	MSc	3
	SSCU 4902	PROJEK SARJANA MUDA 1	BSc	2
201420152	UKQU2202	INNOVATION AND CREATIVITY	BSc	2
	MSCM1323	KAEDAH BEZA TERHINGGA UNTUK PERSAMAAN TERBITAN SEPARA	MSc	3
	SSCU4904	PROJEK SARJANA MUDA II	BSc	4
201420151	SSH3423	KAEDAH BERANGKA II	BSc	3
	MSCM1353	PERKOMPUTERAN SELARI	MSc	3
	SSCM3423	KAEDAH BERANGKA II	BSc	3
	SSCU4902	PROJEK SARJANA MUDA 1	BSc	2
201320142	SSU4924	PROJEK SARJANA MUDA II	BSc	4
	MSM1323	KAEDAH BEZA TERHINGGA UNTUK PERSAMAAN TERBITAN SEPARA	MSc	3
	TP22	UTM DEGREE ++	BSc	2
	UKQU2202	INNOVATION AND CREATIVITY	BSc	2
201320141	MSCM 1323	FINITE DIFFERENCE METHOD FOR PDE	MSc	3
	SSCM3423	KAEDAH BERANGKA II	BSc	3
	MSM1353	PARALLEL COMPUTING	MSc	3
	SSCU4902	PROJEK SARJANA MUDA 1	BSc	2
201220132	SSCU4904	PROJEK SARJANA MUDA II	BSc	4

	MSM1353	PERKOMPUTERAN SELARI	MSc	3
	SSE3293	KAEDAH BERANGKA	BSc	3
	SSU4924	PROJEK SARJANA MUDA II	BSc	4
201220131	SSCU 4902	PROJEK SARJANA MUDA 1	BSc	2
	SSE3293	KAEDAH BERANGKA	BSc	3
20112012	MSCM1323	KAEDAH BEZA TERHINGGA UNTUK PERSAMAAN TERBITAN SEPARA	MSc	3
	SSCU4904	PROJEK SARJANA MUDA II	BSc	4
	SSE3293	KAEDAH BERANGKA	BSc	3
201120121	SSE2393	KAEDAH BERANGKA	BSc	3
	SSE2393	KAEDAH BERANGKA	BSc	3
	SSE2393	TUTORIAL	BSc	3
	SSU4924	PROJEK SARJANA MUDA II	BSc	2
201020111	PSMA3AJA	Doctor of Philosophy (Mathematics)	PhD	KSU
	KSU	Bioinformatics_MSC	MSc	KSU
200920102	PSMA3AJA	Doctor of Philosophy (Mathematics)	PhD	KSU
	KSU	Bioinformatics_MSC	MSc	KSU
		TOTAL		**140**

Sesi Pengajian 1998-2010	Institusi/Nama & Kod Matapelajaran	Jangkamasa*	Peringkat**	Jumlah Kredit/ Jam Pertemuan (bagi subjek yang tiada kredit)
05/06	UTM/ANALISIS BERANGKA/ SSM3343	SEM I	BSc	3 JAM KREDIT
05/06	UTM/DISERTASI/ MSM2280	SEM II	MSc	-
05/06	UTM/KAEDAH BERANGKA/SSM3393 (SEC 32)	SEM II	BSc	3 JAM KREDIT
05/06	UTM/KAEDAH BERANGKA/SSM3393 (SEC 31)	SEM II	BSc	3 JAM KREDIT
06/07	UTM/ KAEDAH BERANGKA BERKOMPUTERAN/ SSH2413(SEC 01)	SEM I	BSc	3 JAM KREDIT
06/07	UTM/ KAEDAH BERANGKA BERKOMPUTERAN/ SSH2413(SEC 02)	SEM I	BSc	3 JAM KREDIT
06/07	UTM/ANALISIS BERANGKA/ SSH2313 (SEC 88)	SEM II	BSc	3 JAM KREDIT
06/07	UTM/ANALISIS BERANGKA/SSM3343 (SEC 01)	SEM II	BSc	3 JAM KREDIT
07/08	UTM/PENYELIDIKAN/ MSM1100 (SEC 01)	SEM I	MSc	-
07/08	UTM/PENYELIDIKAN/ PSM1100 (SEC 01)	SEM I	PhD	-

07/08	UTM/KAEDAH BERANGKA BERKOMPUTERAN/SSH2413 (SEC 01)	SEM II	MSc	3 JAM KREDIT
07/08	UTM/PENYELIDIKAN/ MSM1100 (SEC 01)	SEM II	MSc	-
07/08	UTM/PENYELIDIKAN/ MSM1200 (SEC 01)	SEM II	MSc	-
07/08	UTM/PENYELIDIKAN/ PSM1200 (SEC 01)	SEM II	PhD	-
07/08	UTM/ KAEDAH BERANGKA/ SSE2393 (SEC 32)	SEM II	BSc	3 JAM KREDIT
07/08	UTM/KAEDAH BERANGKA/SSM3393 (SEC 01)	SEM II	BSc	3 JAM KREDIT
07/08	OUM/ ADVANCE MATHEMATICS-SBMA 4203/ ELEMENTARY ANALYSIS-SBMA4403/ NUMERICAL METHODS-SBMA4603	SEM II	BSc	-
08/09	OUM/ ELEMENTARY ANALYSIS-SBMA4403 / NUMERICAL METHODS-SBMA4603	SEM I	BSc	-
08/09	SPACE/NUMERICAL METHOD/SSE 2393 SEC 01	SEM I	BSc	3 JAM KREDIT
08/09	SPACE/NUMERICAL METHOD/SSE 3393 SEC 01	SEM I	BSc	3 JAM KREDIT
08/09	UTM/ KAEDAH BERANGKA BERKOMPUTERAN/ SSH2413(SEC 02)	SEM I	BSc	3 JAM KREDIT

08/09	UTM/KAEDAH BERANGKA BERKOMPUTERAN/SSH2413 (SEC 01)	SEM I	BSc	3 JAM KREDIT
08/09	UTM/PENYELIDIKAN/ PSM2100 (SEC 01)	SEM I	PhD	-
08/09	UTM/ PENYELIDIKAN/ PCS1100 (SEC 01)	SEM II	PhD	-
08/09	UTM/ PENYELIDIKAN/ PCS1200 (SEC 01)	SEM 1	PhD	-
08/09	UTM/PENYELIDIKAN/ MSM1100 (SEC 01)	SEM I	MSc	-
08/09	UTM/ PENYELIDIKAN/ MSM1200 (SEC 01)	SEM I	MSc	-
08/09	UTM/ PENYELIDIKAN/ MSM1200 (SEC 01)	SEM II	MSc	-
08/09	UTM/PENYELIDIKAN/ PSM2100 (SEC 01)	SEM II	PhD	-
08/09	UTM/PENYELIDIKAN/ PSM2110 (SEC 01)	SEM II	PhD	-
08/09	UTM/ PENYELIDIKAN/ MSM2200 (SEC 01)	SEM II	MSc	-
08/09	UTM/ PENYELIDIKAN/ PCS2100 (SEC 01)	SEM II	PhD	-
08/09	UTM/PENYELIDIKAN/ PSM1110 (SEC 01)	SEM II	PhD	-
08/09	UTM/ PENYELIDIKAN/ PSM2200 (SEC 01)	SEM II	PhD	-
08/09	UTM/NUMERICAL METHOD/SSE 2393 SEC 36	SEM II	BSc	3 JAM KREDIT
08/09	SPACE/NUMERICAL	SEM II	BSc	3 JAM KREDIT

	METHOD/SSE2393 SEC JB			
08/09	SPACE/PARALLEL COMPUTING/MSM1353 SEC 01	SEM II	MSc	3 JAM KREDIT
08/09	UTM/NUMERICAL METHOD/SSE 2393 SEC 16	SEM II	BSc	3 JAM KREDIT
09/10	UTM/ PENYELIDIKAN/ MSM2100 (SEC 01)	SEM II	MSc	-
09/10	UTM/PENYELIDIKAN/ MSM2110 (SEC 01)	SEM I	MSc	-
09/10	UTM/ PENYELIDIKAN/ MSM2200 (SEC 01)	SEM I	MSc	-
09/10	UTM/ PENYELIDIKAN/ MSM3200 (SEC 01)	SEM I	MSc	-
09/10	UTM/ PENYELIDIKAN/ PCS2200 (SEC 01)	SEM I	PhD	-
09/10	UTM/ PENYELIDIKAN/ PSM1200 (SEC 01)	SEM I	PhD	-
09/10	UTM/ PENYELIDIKAN/ PSM3100 (SEC 01)	SEM I	PhD	-
09/10	SPACE/PARALLEL COMPUTING/MSM1353 SEC 01	SEM I	MSc	-
09/10	UTM/ KAEDAH BERANGKA/ SSE2393 (SEC 65)	SEM I	BSc	3 JAM KREDIT
09/10	UTM/PERSAMAAN TERBITAN/SSM 3532, SSM2543, SSE 1793	SEM1	BSc	3 JAM KREDIT
09/10	SPACE/ KALKULUS II/ SSH1723 SEC 1	SEM I	BSc	3 JAM KREDIT

09/10	SPACE FAKULTI PENDIDIKAN/CALCULUS II/SSH 1723	SEM I	BSc	3 JAM KREDIT
09/10	OUM/ELEMENTARY ANALYSIS/SBMA 4403 SEC 01	SEM I	BSc	3 JAM KREDIT
08/09	UTM/NUMERICAL METHOD/SSE 2393	SEM II	BSc	
08	UTM/KAEDAH BERANGKA/SSM 3393	SEM I	BSc	
09/10	Parallel Computing (MSC(mathematics) / MSM1353	SEM I	MSc	
09/10	UTM/CALCULUS II/SSH 1783	SEM I	BSc	
08/09	UTM/KALKULUS II/SSH 1723, SSM 2223	SEM II	BSc	3 JAM KULIAH 2 JAM MAKMAL
07/08	UTM(SPACE) /KAEDAH BERANGKA/SSM 3393	SEM III	MSc	3 JAM KULIAH 2 JAM MAKMAL
07/08	SPACE/ NUMERICAL METHODS/ SSE 2393	SEM II	BSc	
07/08	UTM/ANALISIS BERANGKA/SSM3343	SEM II	BSc	3 JAM KULIAH 2 JAM MAKMAL
08/09	UTM(SPACE)/ANALISIS BERANGKA 1/SSM3343	SEM I	BSc	
06/07	UTM/ANALISIS BERANGKA/SSM 3343	SEM I	BSc	3 JAM KULIAH
07/08	UTM/PARALLEL COMPUTING/MSM 1353	SEM I	MSc	3 JAM KULIAH

06/07	UTM/PARALLEL COMPUTING/MSM 1313	SEM I	MSc	
06/07	UTM/PARALLEL COMPUTING/SSM1353	SEM I	MSc	3 JAM KULIAH
07/08	UTM/ANALISIS BERANGKA/ SSM3343	SEM I	BSc	3 JAM KULIAH 2 JAM MAKMAL
07/08	UTM/C++ PROGRAMMING/SSH2313	SEM I	BSc	
07/08	UTM/PENASIHAT AKADEMIK	SEM II	BSc	3 JAM KULIAH
08/09	UTM/ANALISIS BERANGKA/ SSM 3343	SEM I	BSc	3 JAM KULIAH
08/09	UTM/C++ PROGRAMMING/SSH2313		BSc	
07/08	SPACE/NUMERICAL METHOD/ SSM3393		BSc	
07/08	SPACE/CALCULUS I&II /SSM1723		BSc	
07/08	SPACE/ANALISIS BERANGKA 1/SSM3343		BSc	
0708	SPACE/ANALISIS BERANGKA 1 (INDEPENDENT STUDY)/SSM3343		BSc	
09/10	OUM/KAEDAH BERANGKA SBMA4603		BSc	
06/07	LATIHAN INDUSTRI		BSc	
09/10	Markah E-PPP SSE 2393 (SECTION 45) Min : 4.0641 Rank : P4			

	SSE 2393 (SECTION 65) Min : 4.73316 Rank : P5			
08/09	Markah E-PPP SSE 2393 (SECTION 16) Min : 4.51136 Rank : P4			
	SSE 2393 (SECTION 36) Min : 4.45286 Rank : P3			
	SSH 2413 (SECTION 01) Min : 4.33 Rank : P3			
	SSH 2413 Min : 4.36 Rank : P3			
07/08	Markah E-PPP SSE 2393 (SECTION 32) Min : 4.64 Rank : P5			
06/07	Markah E-PPP SSH2313 (SECTION 88) Min : 4.81 Rank : P5			

SUPERVISION OF VISITING PROFESSORS

i. Prof Fujito Hamido, Iwate Prefectural University, Iwate, Japan. 1-11 September 2013
ii. Visiting Professor : Prof Hend Al Khalifah , Information Technology Department, College of Computer and Information Sciences, King Saud University, Riyadh Saudi Arabia, 1-20 Jan 2015
iii. Visiting Professor : Prof Dr Malyshkin Victor Emmanuilovich, Institute of Computational Mathematics and Mathematical Geophysicsluna, Russian Academy of Sciences,National Research University of Novosibirsk, Novosibirsk, Russia 20-28 August 2015, 12-30 Nov 2015

MOU/MOA

i. MOU UTM & Mahatma Gandhi University India 9 Dec 2014
ii. International and Inter University Centre for Nanoscience and Nanotechnology, School of Chemical Sciences, Mahatma Gandhi University, Priyadarshini Hills P. O., Kottayam, Kerala, India, Project: COMPUTATIONAL MODELLING IN POLYMER SCIENCE
iii. MOU UTM- UM : Pakistan Statistic Journal (PSJ)
iv. MOU UTM- Pertanika Journal for publish ICCSS 2015 Conference Paper , 30 Oct 2015
iv. MOU UTM - Galaxy Aviation Services (M) Sdn Bhd 1 August 2014
v. MOA UTM- Abdul Wali Khan University Mardan Pakistan 2015 for organizing ICCSS 2015 at UTM 26 Feb 2015
vi. MOU UTM - Huizhou University China , Organizing ISHU 2016-2018 ,22 June 2015
vii. MOU UTM and Supercomputer Software Department Institute of Computational Mathematics and Mathematical Geophysics SB RAS, 5 Dec 2013
viii. UTM-CM ACADEMY, 6 Dec 2015 an academy incorporated in Malaysia and having a place of business at No 99 , Jalan Straits View, Johor Baru, 80200 Johor, Malaysia
    Facilitate in the smooth running in the programmes relating to:-
    a) Halal Accreditation
    b) Halal Products Development
    c) Halal Hub Development
    d) Extend the basis for friendship co-operative exchange between UTM-CFIRST and CM.
ix. UTM- IC Herbz Integrated, Contract Research. 6 Sept 2013
x. UTM- TENDERCRAFT TECHNOLOGIES SDN.BHD. Contract Research. , 7 May 2012
xi. UTM- Veterinary Research Institute, Department of Veterinary Services, Ministry of Agriculture and Agro-based Industry, 7 May 2012
xii. Head of Memorandum of Understanding between Al-Farabi Kazakh National University (Republic of Kazakhstan) and UTM, 28 April 2017
xiii. Head of Memorandum of Understanding between Universitas Lampung Indonesia and UTM, 2 Nov 2017 Head of Memorandum of Understanding between Al-Farabi Kazakh National University (Republic of Kazakhstan) and UTM, 28 April 2017
xiv. Head of Memorandum of Understanding between Institute of Computational Mathematics and Mathematical Geophysics Sb Ras, Novosibirsk, Russia and Universiti Teknologi Malaysia, Malaysia, 1 October 2014
xv. Head of Memorandum of Understanding Between Huizhou University and Universiti Teknologi Malaysia, Malaysia, 24 June 2016
xvi. Head of Memorandum of Agreement King Saud University Kingdom Of Saudi Arabia And FS UTM, 31 October 2017
xvii. Head of Letter of Intent between Faculty of Science Universiti Teknologi Malaysia and Abdul Wali Khan University Mardan, KP, Pakistan, 22 February 2016
xviii. Head of MoU Institute of Computational Mathematics and Mathematical Geophysics SB Ras Novosibirsk Russia and UTM, 5 December 2013
xix. RAGS Grant 2015 , Project: A Novel Web Based Numerical Algorithms Library for Multidisciplinary Industries UTM – RAGS RM 70383.00 Institute of Engineering Mathematics Universiti Malaysia Perlis (UniMAP), Kampus Alam, Pauh Putra,02600 Pauh, Perlis RM70800
xx. UTM-Syarikat Galaxy Aviation Services (M) Sdn BhD, Dec 2014

xxi. MOA UTM - Faculty of Science, University of Malaya, Kuala Lumpur , Agreement upon the Authorized Publishing of Presented Papers from International Conference on Computational and Social Sciences (ICCSS 2015), Kuala Lumpur, Malaysia

xxii. UTM- Advances in Soft Computing and Its Applications. IJASCA,1 Jun 2015. ICCSS 2015 Publication

xxiii. CSNANI-AGREEMENT PUBLISH SPECIAL ISSUE IN JURNAL TEKNOLOGI, 1 July 2015

xxiv. MOU UTM and Huizhou University China, 22 June 2015

xxv. MOU UTM-, Institute of Computational Mathematics and Mathematical Geophysics SB RAS, Russia, 25-July 2015

xxvi. MOU UTM - CM Academic Partial course for international students

xxvii. MOU UTM-AWKUM and VFAST Pakistan for organizing Seminar, workshop and Conferences

xxviii. MOU UTM -Shimano Sdn BhD, Contract Research: Shimano Warehouse Management System

xxix. MOU UTM- Techsource Systems Sdn Bhd, Collaboration for UTM license on MATLAB DISTRIBUTED COMPUTING Software

xxx. MOU UTM-University of ampung Indonesia

COLLABORATION

i. Collaboration with UniMAP, A big data analytic on HPC, 20-21 December 2016

ii. Collaboration with Fakulti Sains dan Sumber Alam, Universiti Malaysia Sabah, 3D medical images, 2 December 2016

iii. Collaboration with Kementerian Pendidikan Tinggi (KPT), JEMPUTAN KE SESI PEMBENTANGAN GERAN TRGS FASA 1/2016, 7-8 September 2016

iv. Collaboration RAGS UTM- UNIMAP, A novel web based numerical algorithms library for multidisciplinary industries, 1 December 2015 – 30 November 2017

v. Collaboration with TRANS DISCIPLINARY RESEARCH GRANT SCHEME (TRGS), Kementerian pengajian Tinggi, Program High Performance Library and Repository for Malaysian Medicinal Plant Identification by Integrating Morphological, Chemical and Biological Properties on Mobile Computing Platform, 1 January – 31 December 2016

vi. ISHU2016 co-organizer with HZU university, 24-26 June 2016

vii. Collaboration UTM and King Saud Universiti, Saudi Arabia, 8 Jan – 31 Dec 2016

viii. Collaboration UTM with Department Higher and Postgraduate Education, Ministry of Education and Science, Republic of Kazakhstan for MOU development, 17 May -31 Dec 2016

ix. Pemerkasaan Asnaf bagi Tahun 2016 , Unit Pembangunan Asnaf Majlis Agama Islam Negeri Johor, 14 April – 31 Dec 2016

x. Major Pair Foreign Exchange Market Forecasting through Fibonacci Retracement Pattern Recognition, 1 Nov -31 Dec 2016

xi. International Conference on Mathematics, Statistics and Computer Science (ICMSCS 2017), 1 Nov – 31 Dec 2016

xii. Gerda Henkel Stiftung Research Fund, 1 November – 31 Dec 2016

xiii. Mathematical Sciences Sponsorship Fund Award, ELSEVIER Award- Mathematical Sciences Sponsorship Fund Award, 1 Nov – 31 Dec 2016

xiv. Complex mathematical modelling and large sparse simulation for multidisciplinary applications in visualization, prediction and monitoring on high performance computing, CIMPA, 1 Mei – 31 Dec 2016

xv. ICIT2016, Science Alert Conference Organizing, Deira Dubai, UAE, 10 – 12 Aug 2016

xvi. Sponsor from Huizhou University, China, 13-17 September 2016

xvii. Sponsor for Differential Equations and Applications, LUMS , Pakistan, May 26-28, 2016

xviii. REGIONAL ANNUAL FUNDAMENTAL SCIENCE SYMPOSIUM 2016 (RAFSS 2016), 9 May – 31 Aug 2016

xix. Co-organizer ICCSS UTM and ABDUL WALI KHAN UNIVERSITY MARDAN, KP, PAKISTAN, 1 Jan – 29 Sept 2016

xx. Green KFU- UTM, MIT, Columbia University, 22 Feb - 30 June 2016

xxi. Application of Nonlinear Dynamics in Modeling HIV Interactions in Human Body, 3 Sept – 31 Dec 2016

xxii. Elsevier Mathematical Sciences Sponsorship Fund (MSSF), NanoGreen: Large sparse and complex mathematical modeling and nanoscale computation for nanoparticle drug delivery on GCT of HPC, 15 Nov – 31 Dec 2016

xxiii. Mentor Project research acculturation collaborative effort RACE Fasa 3/2015/2016, Title: Numerical performance Image Manafold Method and volume estimation in constructing 3D model visualization for MRI Medical Images, 1 February – 31 December 2016

xxiv. RAGS Collaboration with UNIMAP

xxv. Title: A novel Web-based Numerical Algorithms Library for Multidisciplinary Industries, 1 Jan – 31 Dec 2016

xxvi. The 2st International Virtual Conference On Multidisciplinary Method And Model 2017, 1 Jan – 31 Dec 2017

xxvii. ISHU2017 (International Seminar Between HZU And UTM 2017) Huizhou University , Huizhou City, Guangdong Province, southern China, 26 – 30 Nov 2017

xxviii. Prototype Development of IOT-based Shimano Warehouse Management System, 8 Sept – 31 Dec 2017

xxix. Data Science In Wolfram Mathematica, 1 Aug – 26 Dec 2017

xxx. MoU International Conference on Physical and Numerical Sciences 2018, 22 July – 31 Dec 2017

xxxi. A Novel Web-Based Numerical Algorithms Library for Multidisciplinary Industries, 1 Jan – 31 Dec 2017

xxxii. Gerda Henkel Stiftung 2017, 1 Jan – 31 Dec 2017

xxxiii. Universitas Negeri Semarang, Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA), 14 Nov 2017

xxxiv. Research Science Talk At LUMS Pakistan Sponsor And Honorarium, 8 – 9 Nov 2017

xxxv. Publication Committee And Keynote Spekaer ICCSS 2017, 1 Jan – 31 Dec 2017

xxxvi. Plenary Speaker ICNOOR, Sponsor And Honorarium, 27 – 29 Aug 2017

xxxvii. Plenary Speaker ICODIS, Sponsor And Honorarium, 5 - 6 Dec 2017

xxxviii. Keynote Speaker ICMSCS, Sponsor And Honorarium, 25 – 26 April 2017

xxxix. Joint Research and Collaboration for the High Performance Simulation of Drug Release Model and Mass Transport Model from a Drug Eluting Stent using Hybrid Platform.14 May 2015

xl. UTM- School of Dental Sciences Universiti Sains Malaysia 16150 Kubang Kerian Kelantan.

xli. Penyelidikan HPC bersamaUTM- CEIES UTHM 8 feb 2014

xlii. UTM- Close Protection Training 24 Feb 2015 (RM 500)

xliii. Industry Collaboration UTM- Unit Penyelidikan LGM, Malaysia Rubber Board,   Grant Malaysia Rubber Board for the Vote No: 79219,

xliv. Industry Collaboration UTM- PNE Sdn. Bhd on research grant Title Multilayer full chip system design

xlv. Industry Collaboration UTM- Neurosurgery Department, Hospital Sultanah Aminah for the Vote No: 78075

xlvi. Industry Collaboration UTM- SMI Wire Sdn. Bhd on Grant Implementation of EPCL at SMI wire

xlvii. Collaboration UTM- Antara Steel Mills Sdn.Bhd on Grant Temperature behaviour on manufacturing Product

xlviii. Research Member Pemerkasaan Asnaf bagi Tahun 2016 , Unit Pembangunan Asnaf Majlis Agama Islam Negeri Johor, Unit Pembangunan Asnaf Majlis Agama Islam Negeri Johor, 134100.00

CONTRACT RESEARCH with Shimano Company

1) Project Member- ROLL-OUT DEPLOYMENT OF IOT BASED RFID WAREHOUSE MANAGEMENT SYSTEM, PY/2018/02640, RM 32,973
ROZEHA BT. A. RASHID**,** Norma Alias , MOHD. ADIB BIN SARIJARI
Company: Shimano Sdn Bhd,, 2017-2018

2) IOT Data Protocol And Gateway Development For Shimano Warehouse Management System Prototype, PY/2018/02630, RM 10,000
,MOHD. ADIB BIN SARIJARI, **Norma Alias,** ROZEHA BT. A. RASHID
Company: Shimano Sdn Bhd, 2017-2018

3) Prototype Development of IOT-based Shimano Warehouse Management System ,
PY/2017/01445, RM 23 015
MOHD. ADIB BIN SARIJARI, **Norma Alias,** ROZEHA BT. A. RASHID
Company: Shimano Sdn Bhd, 2017-2018

CONTRACT RESEARCH PROJECT AWARDED BY UNIMAP (NG)

A Novel Web-Based Numerical Algorithms Library for Multidisciplinary Industries, PY/2016/06026, RM 70 383
Norma Alias, Nor Hizamiyani Abdul Azziz, Wan Zuki AZMAN BIN WAN MUHAMAD
2015-2017

CONTRACT RESEARCH PROJECT AWARDED **MINISTRY OF HIGHER EDUCATION** (FLAGSHIP)

REMEDIATION OF PALM OIL MILL EFFLUENT TOWARDS ENVIRONMENTAL SUSTAINABILITY, PY/2015/04418, RM 150000, Hadi Nur Norma Alias, Tahir Ahmad , 2015-2016

CONTRACT RESEARCH PROJECT AWARDED **MINISTRY OF HIGHER EDUCATION** (FLAGSHIP)

Agility and Hand-Eye Coordination Test for Racquet-based Sports, DAYANG HAJAH TIAWA BTE AWANG HJ HAMID, Norma Alias, ABDUL HAFIDZ BIN HAJI OMAR PY/2011/01896, 134800.00, 2011-2014

CONTRACT RESEARCH PROJECT AWARDED **MINISTRY OF HIGHER EDUCATION** (S-Flagship)

IMPACT OF CLIMATE CHANGE ON ANTARCTICA-TROPICAL REGION, PY/2013/00554, RM 326,650
MAZLAN BIN HASHIM, Norma Alias, MOHD NADZRI BIN MD
REBA, 2013-2015

CONTRACT RESEARCH PROJECT AWARDED Kementerian Pertanian dan Industri Asas Tani Malaysia (MOA)

Optimization, scaling up and establishment of herbal processing technology for the production of Angrographis paniculata (hempedu bumi) and Orthosiphon stamineus (Misai Kucing) standardized extracts. , PY/2012/01809 , RM 264500.00,
RAMLAN BIN AZIZ, Norma Alias, CHUA LEE SUAN
2012-2015

CONTRACT RESEARCH PROJECT AWARDED **MINISTRY OF HIGHER EDUCATION** (KTP)

Pemindahan Ilmu Inovasi Produk Makanan Halal Tempatan Menerusi Teknologi Pengeringan Sejuk Beku Dan Pengkomersilan Kepada Komuniti FELDA , Sarimah Ismail, Norma Alias
PY/2013/00295 RM 148,800, 2013-2015

CONTRACT RESEARCH PROJECT AWARDED BY Mathematica Wolfram Inc
Project Leader , Mathematica Special Grant from Wolfram Inc for GRID enviroment, 100875.00, 1 Jan 2011

CONTRACT RESEARCH PROJECT WITH JABATAN PENJARA MALAYSIA

Pemindahan Kaedah Pendekatan Pendidikan Holistik Dalam Pengajaran Dan Latihan Di Jabatan Penjara Malaysia. Bengkel Pendekatan Holistik kepada Tenaga Pengajar Kemahiran di Penjara (9 - 12 Mei 2016) (2015-2017) RM 81 283

CONTRACT RESEARCH PROJECT AWARDED BY - IC Herbz Integrated

UTM- IC Herbz Integrated 6 Sept 2013, Contract Research. RM 3000
Project Leader for Consultation Palapes, JBA and MKN, Cloae Protection Training , 2013 , RM 1800

CONTRACT RESEARCH PROJECT AWARDED BY King Saud University 2010-2011

Researcher at Collage of Computer and Information Science, King Saud University RM 408,000 (2010-2011)

INTERNATIONAL CONTRACT RESEARCH PROJECT AWARDED BY King Abdul Aziz Science and Technology Grant

Project Leader, Nanoparticles of Drug Concentration for Chemotherapy Strategy involving Fine Granularity of Spherical Coordinate using Multicore Programming. Initiative Grant 2012.

CONTRACT RESEARCH

Malaysian Nottingham Doctoral Programme (MNDP) , Malaysian academics to do their PhD at the University of Nottingham, Norma Alias, Stephen Hibberd, Nor Azni Shahari, Mathematical Modelling of Drying Food Products: Application to Tropical Fruits 2008-2012

Research member , Computational Nanomaterials Science , Nanometerial and computing 2011-2013 1 Sept 2011, RM 150212.66

Project Member, Joint Research and Collaboration in the Development of Modeling and simulation Repository, center of the Ubiquitous computing and Communication, Faculty of Information Science and Technology, 19 September 2012

Project Member for Consultation, Pembangunan Daya Kreativiti dan Inovasi Secara Holistik Melalui Pendidikan Teknikal dan Vokasional, Institut Kemahiran Mara Johor Bahru, Grant initiation.25 Oct 2013

Project Leader for Consultation, High performance accurate identification oil and gas in arbitrary shape reservoir using grid computing platform RACE/F2/SG/UNIMAP/5 , Universiti Perlis Malaysia , RM 49200.00

Project Leader   for Consultation, High Performance Embedded System For MRI, Tendercraft Technologies SDN.BHD. RM 40000.00,   1 Jan 2013

Project Leader for Consultation ,Veterinary Research Institute, Department of Veterinary Services, Ministry of Agriculture and Agro-based Industry, Collaboration In Research Activities , 7 May 2012

Project Leader for Consultation , Kepimpinan inovasi secara holistik DENGAN Majlis Keselamatan Negara (MKN) 2013, RM 1000.00

Project Leader for Consultation , Kursus Kemahiran Kejuruteraan Elektrik Kepada Pekerja Gentawang Sdn. Bhd. 2013, Grant initiation.

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

Role	Title Electronic Systems	Grant	Date	Budget Approved (RM)
Project Member	A New Position-aware Algorithm for Facial Expression and Head Gesture Estimation in Zapin Dance Animation	FRGS	15/08/2017 - 14/08/2019	72 928
Project Member	Systematic rainfall estimation by the integration of ground- and satellite-based measurements	FRGS	02/11/2015 - 01/11/2018	139 800
Project Member	Investigation On Growth Kinetics And Properties Of One-Dimensional Silicon Carbide Nanostructures Synthesis By Ultra High Frequency (UHF)-PECVD	FRGS	01/08/2016 - 31/07/2018	136 000
Project Leader	High Performance Modeling and Simulation of Image Processing Technique for Detecting the Valuable Metals in Electronic Waste PY/2015/05399	FRGS	02/11/2015 - 30/04/2018	73100
Project Member	High Performance PSVM Modeling and Simulation on Tumor Cell Classification using MRI Medical Images	FRGS	01/12/2014 - 28/02/2017	68 000
Project Member	New Algorithm For Shoreline Changes Investigation Using Differential Interferometric Synthetic Aperture Radar (DINSAR)	FRGS	01/07/2014 - 31/12/2015	95 200
Project Member	New algorithms for seagrass mapping and determination of seagrass biomass from satellite remote sensing data for Malaysian coastal waters	FRGS	01/04/2013 - 31/03/2015	135 500
Project Member	Parallelization of Gravitating Dust and Gas Simulation [Vot FRGS/1/10/SG/UTM/02/22 (ST)/78527]	FRGS	01/01/2010 - 31/12/2012	43 200
Project Member	Parallel Algorithm on Laser Glass Interaction [Vot FRGS/1/10/TK/UTM/02/60]	FRGS	Feb 2010 - Feb 2012	43 200
Project Member	Parallelization of DIC technique on Dehydration process [Vot FRGS/1/10/SG/UTM/03/19(TK)]	FRGS	Feb 2010 - Feb 2012	24 200
Project Member	Diffusion Model of Isothermal Evaporation Using Mobile Computing in Drying Food Product	FRGS	01/01/2009 - 01/01/2011	62 000
Project Member	Parallel Neural Network for Temperature Prediction of Electronic Systems	FRGS	01/01/2009 - 01/01/2011	55 000

Project Member	New Numerical Method for Sliff Delay Differential Equations	FRGS	01/01/2009 - 01/12/2010	97 000
Project Member	Delay Time for Runge Kutta [Vot FRGS 2008]	FRGS	15/05/2008 - 15/05/2010	97 000
Project Leader	High Performance Parallel Human Tumor Growth Software On Grid Computing Platform	FRGS	24/08/2009 - 31/12/2011	70 000
Project Leader	Numerical Solutions of Brain Tumor and Breast Cancer Growth Based on Multi- Dimensional Partial Differential Equations(PDE)	FRGS	01/02/2007 - 31/01/2009	40000
Project Member	Parallel Modelling and Simulation of Real Time Active Thermal Control Process (ATCP) [Vot 78214]	FRGS	2007	72 000
Project Member	Boundary Layer Problems D-Gitter in Low Gravity Condition [Vot 78077]	FRGS	2007	70 000
Project Leader	High Performance Early Detection and Accurate Monitoring of Brain Tumor Growth on Grid Computing Platform (HPGRID) [Vot 78075]	FRGS	2007	70 000
Project Member	Theory and Computation of High-Reynolds Number Flow Past a 3D Obstacle. [UNIMAS FRGS (2009)]	FRGS	20/06/2009 - 2011	70000
Project Member	Early Detection of Breast Cancer Growth [Vot UiTM FRGS]	FRGS	29/10/2008	90000
Project Member	Frozen technology for drying process in innovative food product and commercialization	FRGS	2013	80000
Project Member	Modelling and Simulation of Nanoscale Temperature Behaviour for Laser Glass Interaction Using Multicore Programming. (FRGS/1/10/TK/UTM/02/60)	FRGS	2010	100000
Project Member	Parallel Algorithms of Instantaneous Controlled Pressure Drop Technique for Dehydration Process on Grid Computing Platform. (FRGS/1/10/SG/UTM/03/19 (TK))	FRGS	2010	110000
Project Member	3D Parallel Simulation of Self-Gravitating Gas-Dust Systems on Grid Computing (FRGS/1/10/SG/UTM/02/22 (ST))	FRGS	2010	130,800
Project Leader	The Effect of Simulated Microgravity on Molecular Cell Structure of Human Tumor Growth Using Hybrid Computational Platform	FRGS	2009	100000
Project Member	Diffusion Model of Isothermal Evaporation Using Mobile Computing in Drying Food Product.	FRGS	2008	70000
Project Member	Algorithm of the Effect on Free Convection Adjacent to a Stretching Sheet No. (vote): 78077	FRGS	2007	70000.00

CONTRACT RESEARCH GRANT

Role	Title	Grant	Date	Budget Approved (RM)
Project Member	IOT Data Protocol And Gateway Development For Shimano Warehouse Management System Prototype	IIIG	01/02/2018 - 31/01/2019	10 000
Project Member	Prototype Development of IOT-based Shimano Warehouse Management System	CR	08/09/2017 - 07/11/2018	23 015
Project Member	Roll-Out Deployment of IOT Based RFID Warehouse Management System	CR	01/11/2017 - 30/10/2018	32 973
Project Leader	Exploratory Spatio Temporal Library in Observing the large scope Ocean circulation and Movement for Sensor Grid Based on CPU-GPU Platform	ERGS	01/06/2013 - 31/05/2016	89 000
Project Member	Integration of Smart Phone and Laboratory Tool for Physical, Phytochemical and Biological Characterization of Five (5) Selected Local Herbal Plants (Mas Cotek, Hempedu Bumi, Misai Kucing, Keembung and Pegaga)	ERGS	01/06/2013 - 31/05/2015	79 000
Project Member	Remediation Of Palm Oil Mill Effluent Towards Environmental Sustainability	Flagship (Contract)	01/03/2015 - 28/02/2016	150 000
Project Member	Agility and Hand-Eye Coordination Test for Racquet-based Sports	Flagship (Contract)	01/08/2011 - 31/07/2014	134 800
Project Member	Impact Of Climate Change On Antarctica-Tropical Region	S-Flagship (Contract)	01/04/2013 - 30/06/2015	326 650
Project Member	Pemindahan Kaedah Pendekatan Pendidikan Holistik Dalam Pengajaran Dan Latihan Di Jabatan Penjara Malaysia	KTP-RMC (Contract)	01/12/2015 - 30/11/2017	81 283
Project Member	Pemindahan Ilmu Inovasi Produk Makanan Halal Tempatan Menerusi Teknologi Pengeringan Sejuk Beku Dan Pengkomersilan Kepada Komuniti FELDA	KTP-RMC (Contract)	01/01/2013 - 30/06/2015	147 000
Project Member	Algorithm Of The Effect On Free Convection Adjacent To A Stretching Sheet [Vot 78077]	RMC, UTM	01/12/2006 - 01/01/2009	
Project Leader	Numerical Performance of Image Manifold and Volume Estimation Method in Constructing 3D Model Visualization for MRI Medical Images	MG	01/04/2015 - 31/03/2017	25 000

Project Leader	High Performance Accurate Identification Of Oil Or Gas Wells In Arbitrarily Shapes Reservoir Using Grid Computing Platform	MG	01/05/2014 - 31/03/2016	25 000
Project Leader	A Novel Web-Based Numerical Algorithms Library for Multidisciplinary Industries	NG	01/12/2015 - 30/11/2017	70 383
Project Leader	High Performance Modeling and Simulation of Image Processing Technique for Detecting the Valuable Metals in Electronic Waste (PY/2016/07799)	PDRU	01/01/2017 - 31/12/2017	65 000
Project Member	Optimization, scaling up and establishment of herbal processing technology for the production of Angrographis paniculata (hempedu bumi) and Orthosiphon stamineus (Misai Kucing) standardized extracts.	MOA (Contract)	01/07/2012 - 30/09/2014	264 500
Project Member	Mathematical Modelling of Low-Gravity Fluid Flows and Heat Transfer	OTR	30/05/2001 - 30/07/2003	94 200
Project Member	Novel Functional Nanomaterials : Design And Synthesis	SF	01/10/2011 - 31/12/2013	500 000
Project Leader	Computational Model On Muscle Therapy For Human Body Using Grid Computing Platform (01-01-06-SF0731) Vote: 79402	SF	01/02/2010 - 31/10/2011	131 000
Project Member	Bio-MEMS (Micro-Electro-Mechanical Systems) Mass Sensor	SF	2010	
Project Leader	High Performance Temperature Prediction for Electronic System Using a Distributed Parallel Computer Systems [Vot 79217]	SF	01/09/2007 - 30/09/2009	130,800
Project Leader	High Performance Heat Transfer Visualization Involving Phase Change Simulation for Rubber Manufacturing Industry [Vot 79219]	SF	01/09/2007 - 31/07/2009	129 600
Project Leader	The Effect of Simulated Microgravity on Molecular Cell Structure of Human Tumor Growth using Hybrid Computational Platform [Vot 78463]	SN	15/11/2009 - 14/11/2011	70 200
Project Member	Mathematical Modeling of Low-Gravity Fluid Flows and Heat Transfer. [Vot 73702]	SAGA	Nov 2004 - Dec 2006	148 800
Project Member	High Performance Computing of Explicit Schemes for Electrofusion Joining Process Based on Message-Passing Paradigm	ST	31/08/2000 - 30/08/2001 & 03/2004 - 03/2005	134 800 & 40 000
Project Leader	Parallel Strategies On A Distributed Parallel Computer System	FRGS	30/09/2003- 30/12/2004	60000
Project Leader	Brain Tumor Visualization Based on Grid Portal Technology for Web Based Repository/Library	CF MOSTI (e-content)	14/05/2009 - 31/12/2010	50 000

Project Member	Implementation of Parallel Computational Tools for the Simulation of the Manufacture of Composites [Vot 09-02-02-0008]	Projek IRPA	2003 - 2006	90000
Project Member	Design and Implementation of Parallel Computational Library For Scalable Parallel Cluster Computing [Vot 04-02-02-0009-EA0009]	Projek IRPA	2001 - 2003	90000
Project Member	Parallel Algorithm Implementation for the solution of Partial Differential Equation [Vot 09-02-02-0008]	Projek IRPA	1999 - 2001	110000
Project Member	Synthesis & Testing of Advanced Semiconductor Thermoelectric Material for Microchip Cooling [Vot 79359]	[Vot 79359]	01/03/2009 - 28/02/2011	175 000
Project Member	Authoring Activities Environment Through Grid Portal Technology [Vot 77525]	Vot 77525]	01/05/2009 - 30/04/2010	30 000
Project Leader	Real Time Brain Tumor Growth Predictor On Grid Computing System	[INITIATE]	08/10/2009 - 10/10/2010	20 000
Project Leader	Numerical Solution of Brain Tumor and Breast Cancer Growth Based on Multidimensional Partial Differential Equation (PDE)	PRGS	2007 - 2009	217 000
Project Member	The National Technology Roadmap for Grid Computing Review [Vot 21000]	Vot 21000]	2007 - 2009	1 2170.50
Project Leader	EPCL: High Performance Prediction for multidimensional manufacturing Product.	SF	2004 - 2005	71000
Project Member	Malaysian Numerical simulation web based repository [Vot 77926]	[Vot 77926]	16/04/2009 - 15/04/2010	[Vot 77926]
Project Leader	Parallelization Of Quasilinear Heat Equation For Solving The Blow Up Problem On Distributed Parallel Computer Systems	FRGS	09/11/2009 - 31/12/2009	70000
Project Member	Efficient Brain Tumor Growth Visualisation Software on High Performance Computing Platforms	Vote No: 78075	Vote No: 78075	Vote No: 78075

RESEARCH PROJECT UNDERTAKEN

Role	Title	Grant	Date	Budget Approved (RM)
Project Member	ANN And SVM For Classification Of Eye Movements In EOG Signals	Tier 1	01/02/2018 - 31/01/2020	50 000
Project Leader	Strategies for Classification of Generating A Big Data Analytics on HPC System (ACTIVE)	Tier 1	1/07/2017 - 30/06/2019	40 000

Project Member	Fundamental Movement Skills and Lifestyle after Intervention program of Indigenous Orang Asli Children	Tier 1	01/10/2016 - 30/09/2018	30 000
Project Member	Nanoparticle visualization of SEM/TEM/FESEM images using mathematical modelling.	Tier 1	15/11/2015 - 14/02/2018	49 500
Project Leader	High Performance Library For Eye Blinks, Movements , Muscle Stress Detection And Observation Using EEG Record	Tier 1	01/05/2015 - 31/10/2016	46 125
Project Member	Puzzled Response In Brain Decision Making Using Visio-Brain Evoked Potential	Tier 1	01/04/2014 - 31/03/2016	39 173
Project Member	Modeling And Numerical Simulation Of Thermal Control Curing Process For Thermoset Composite Material Using PDES	Tier 1	01/07/2014 - 30/09/2015	20 000
Project Member	Profiling Of EEG Data During Seizure Using Independent Component Analysis (ICA)	Tier 1	01/12/2012 - 31/12/2014	84 400
Project Leader	High Performance Prediction Of Sustainable Urban Land Use and Development by GIS based on a Synthesis Neural-Network (NA) And Cellular Automata (CA)	Tier 1	01/05/2012 - 31/07/2014	60 000
Project Leader	Novel Nanoparticle Identification And Classification System For Drug Delivery In Cancer Cell Treatment Based On Cellular Automata And Partial Differential Equation	Tier 1	01/12/2012 - 31/03/2014	32 000
Project Leader	Integrated Mathematical Modeling For Silicon Nanowire Growth And Fabrication Based On Thermal Control Process And Electromagnetic Wave	Tier 2	01/10/2014 - 30/09/2015	20 000
Project Leader	Novel Nanoparticle Identification And Classification System For Drug Delivery In Cancer Cell Treatment Based On Cellular Automata And Partial Differential Equation	Tier 2	1/12/2012 - 31/03/2014	32 000
Project Member	Konsep Penyusuan Anak Angkat Melalui Pendekatan Fiqh, Sains Dan Perundangan	Tier 2	01/02/2018 - 31/01/2019	10 000
Project Member	Numerical Simulation Of Nutrient Effect To Single Cell Of Avascular Tumor Growth	Tier 2	2014	20000
Project Member	Integrated Mathematical Modeling On GIS Processed Data Of Diseases Infected Animal	Tier 2	2014	28400
Project Member	Elliptic-Parabolic Equation On Fruit Waste Drying Process Into Powder And Natural Dye Using Instant Control Pressure Drop Technique	Tier 2	2014	28000
Project Member	Integrated Mathematical Modeling On GIS Processed Data Of Diseases Infected Animal	Tier 2 E	01/04/2014 - 30/06/2015	28 040
Project Member	Numerical Simulation Of Nutrient Effect To Single Cell Of Avascular Tumor Growth	Tier 2 E	01/04/2014 - 30/06/2015	28 040

Project Member	Elliptic-Parabolic Equation On Fruit Waste Drying Process Into Powder And Natural Dye Using Instant Control Pressure Drop Technique	Tier 2 E	01/04/2014 - 30/06/2016	28 040
Project Member	Profiling Of EEG Data During Seizure Using Independent Component Analysis (Ica)	Research University Grant	1/12/2012 - 31/12/2014	20000
Project Member	Authoring Activities Environment Through Grid Portal Technology	UTM Research	2010	40000
Project Member	Keberkesanan Massive Online Course (MOOC) di UTM dari segi Pembelajaran dan Pengajaran	UTMF	15/11/2015 - 14/11/2017	20 000
Project Member	Strategi Pengajaran dan Pembelajaran Berasaskan Masalah Melalui Open Online Couse (Moocs) ke arah Peningkatan Daya Cipta dan Kreativiti dalam Rekabentuk	UTMF	01/06/2015 - 31/05/2017	15 000
Project Leader	High Performance Prediction of Sustainable Urban Land Use and Development by GIS Based on a Synthesis Neural-Network (NN) and Cellular Automata (CA).	TIER 1	2012	60000

PATENT GRANTED
i)   Norma Alias, (2010). A METHOD FOR PREDICTING HUMAN TUMOUR GROWTH. (PT/3288/UTM/09) [PI 2010 000550]
ii) Norma Alias, High Performance Temperature Behavior for Multidimensional Manufacturing Product. (UTM. 01.07/27.13/1. JLD 17. (31))
iii) Norma Alias, Mohd Shahizan Othman, Lizawati Mi Yusuf & Umi Nadia Abdul Basitt (2011). A Library Portal. [PI 2011 000379]
iv) Prof Madya Dr Norma Alias, Hanifah Sulaiman, Prof Dr Arsmah Ibrahim, Prof Dr Md Saion Salikin, Prof Dr Rozi Mahmud, Sutu Salmah Yasira & Norfarizan Mohd Said (2011). Microcalsification Segmentation n Green Computing System (600-RIBU (IP PROFESS5/2/6))

PATENT FILED/DISCLOSURE

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A Review of Parallel Algorithms for Biomedical Problems Involving Large Sparse PDEs.

Sulaiman , H, Ibrahin Arsmah, Alias, N, Salikin M.S , Microcalcification Segmentation on Green Computing System, Copyright , 6 Sept 2011

POSTGRADUATE SUPERVISION

PhD Student

Name	Level	Title	Status	*Roles of supervisor*	Research	Year
Hafizah Farhah binti Saipan @ Saipol	PhD	THE PARALLELIZATION OF CELLULAR AUTOMATA MODELING ON TROPICAL FRUITS DEHYDRATION PROCESS USING INSTANT CONTROLLED PRESSURE DROP TECHNIQUE	Graduated	Main Supervisor	Research	2017
Akhtar Ali	PhD	HIGH PERFORMANCE SIMULATION OF DRUG RELEASE MODEL AND MASS TRANSPORT MODEL BY USING HYBRID PLATFORM	Graduated	Main Supervisor	Research	2018
Norfarizan Binti Mohd Said (UITM)	PhD	The Parallelization of Artificial Neural Network for Solving Partial Differential Equation using Hybrid Parallel Computing	Graduated	Co-Supervisor	Research	2018
Maizatul Nadirah bt Mustaffa	PhD	Parallelization of Modified Geodesic Active Contour Model on GIS Image Segmentation Process	In progress	Main Supervisor	Research	2015
ABDULLAH AYSH QASEM DAHAWI	PhD	High performance computing for Couple Flood Inundation Model	In progress	Main Supervisor	Research	2017
Noreliza Mansor	PhD	The parallel programming (fourth-order IADE) that was developed could not run for large size data. It took about a year to finally able to detect and rectify the error in the programming and get results for large size data.	Graduated	Co-Supervisor	Research	2011

Teh Yuan Ying	PhD	New Numerical method for delay differential Eqn	Graduated	Co-Supervisor	Research	2011
Norzieha Musta	PhD	Numerical Modelling and Simulation of Blood Flow Through a Multi-Irregular Stenosed Artery.	Graduated	Co-Supervisor	Research	2009
NORAZNI SHAHARI	PhD	Mathematical Modelling of Drying Food Products: Application to Tropical Fruits	Graduated	Co-Supervisor	Research	2012
Amna Abdurrahman	PhD	Parallel 2D AGE PHASE CHANGE SIMULATION	In progress	Co-Supervisor	Research	2015
NUR AMINAH BINTI MAHMUD	PhD	Nanoparticles visualization of SEMFESEMTEM images using mathematical modelling	In progress	Main Supervisor	Research	2016
LIM JIA QI	PhD	CLASSIFICATION SEGMENTATION AND VALIDATION OF BRAIN TUMOR IN MRI IMAGES USING MACHINE LEARNING SCHEME ON CPUGPU PLATFORM	In progress	Main Supervisor	Research	2016
Mehdi Ghanbari Basteh Deimi	PhD	DETECTING EPILEPTOGENIC FOCI FROM ELECTROENCEPHALOGRAPHY USING INTEGRATED INDEPENDENT COMPONENT ANALYSIS	Graduated	Co-Supervisor	Research	2014
Leila Saeidiasl.	PhD	Electroencephalography source localization using integrated meromorphic approximation	Graduated	Co-Supervisor	Research	2015

MSc. Student

Nama	Level	Title	Status	Roles of supervisor	Type	Year
Zawanah Md Zubaidin	Master	Alternating Group Explicit Method for Edge Detection on Brain and Breast Tumor Image	Graduated	Main Supervisor	Research	2013
NOR KAMARIAH BT KASMIN@BAJURI	Master	Finite Difference Method for Ice Sheet Behavior based on Thermomechanical Ice Sheet Model	Graduated	Main Supervisor	Research	2013
Nor Aziran Binti Awang	Master	Variational Iterative Method and Finite Difference Method	Graduated	Main Supervisor	Research	2013

		in solving Boltzmann Equation of Self-Gravitating Gas-Dust System				
NUR SYAHIDA BINTI MOHAMED	Master	Finite Difference Method and Finite Volume Method For Solving Navier-Stokes Equation in Sea Water Movement	Graduated	Main Supervisor	Research	2013
MUHAMMAD SYAHID ZUHRI BIN SUARDI	Master	Parallel Classification on Electron Microscope Images of Circuit Board in Ewaste Materials using CANN		Main Supervisor	Research	2017
MUHAMMAD ZILLULLAH MUKARAM	Master	GRAPH OF PSEUDO DEGREE ZERO GENERATED BY A SEQUENCE OF FTTM		Co-Supervisor	Research	2017
NOORAZURA SHAHIRA BINTI YUSNIMAN	Master		In progress	Main Supervisor	Research	2018
NURAINI BINTI HASHIM	Master	Integrated modeling for Drug Release and Drug Transport on CPU-GPU platform	In progress	Main Supervisor	Research	2018
Asnida binti Che Abd Ghani	Master	PARALLEL ALGORITHM OF ELLIPTIC-HELMHOLTZ EQUATION FOR EARLY DETECTION OF BREAST CANCER GROWTH	Graduated	Main Supervisor	Research	2015
Mohammed Shariff bin Bashir Ghouse	Master	The Hybrid Parallel in Simulating Nanoscale Temperature Behavior for Laser Glass Cutting	Graduated	Co-Supervisor	Research	2014
Zulfahdlina binti Jamel	Master	The Parallelization of Artificial Neural Network for Solving Partial Differential Equation using Hybrid Parallel Computing	Graduated	Co-Supervisor	Research	2014
Norhafiza bt Hamzah	Master	THE PARRALLELIZATION OF DIRECT AND	Graduated	Main Supervisor	Research	2010

		ITERATIVE SCHEMES FOR KELLER BOX METHOD USING DISTRIBUTED MEMORY SYSTEM				
HUSNA BINTI MOHAMAD MOHSIN	Master		Graduated	Main Supervisor		2016
SAKINAH BINTI ABDUL HANAN	Master	PARALLEL ALGORITHM OF NAVIERSTOKES MODEL FOR MAGNETIC NANOPARTICLES DRUG DELIVERY SYSTEM ON DISTRIBUTED PARALLEL COMPUTING SYSTEM	Graduated	Main Supervisor	Research	
MASYITAH BINTI MOHD SAIDI	Master	PARALLELIZATION OF 2D ICE FLOW THERMODYNAMICS COUPLED MODEL FORnbsp ANTARCTICA ICE SHEET BEHAVIORS	In progress	Main Supervisor	Research	
HAZIDATUL AKMA BINTI HAMLAN	Master	MATHEMATICAL MODEL ON SEQUENTIAL AND PARALLEL ALGORITHM FOR FABRICATING GOLD NANOPARTICES AND SEPARATING NANOCOMPOSITE LAYERS	Graduated	Main Supervisor	Research	
SITI HAFILAH BINTI MOHD SAIMI	Master	PARALLELIZATION OF ARTIFICIAL NEURAL NETWORK AND GENETIC ALGORITHM METHODS IN PREDICTING THE INFECTIOUS ANIMAL DISEASES	In progress	Main Supervisor	Research	
SITI QATRUNADA BINTI MUHD PALIL	Master	Simulation Ocean Flow using Lattice Boltzmann Method	Graduated	Main Supervisor	Research	2011
NADIA NOFRI YENI BINTI SUHARI	Master	PARALLELIZATION OF NOZZLE FLOW MODEL IN SPRAYDIC TECHNIQUE ON PARALLEL VIRTUAL MACHINE	Graduated	Main Supervisor	Research	2017
ABDULLAH AYSH QASEM DAHAWI	Master	PARALLELIZATION OF THE PRIMITIVE	Graduated	Main Supervisor	Research	2016

		EQUATIONS FOR OCEAN CIRCULATION MODEL USING CPUGPU PLATFORM				
SHAMSHIYATULBAQIYAH BINTI ABDUL WAHAB	Master	THE COMPARISON OF NUMERICAL PERFORMANCE BETWEEN IMAGE MANIFOLDS METHOD AND VOLUME ESTIMATION METHOD IN CONSTRUCTING 3D BRAIN TUMOR IMAGE	Graduated	Main Supervisor	Research	2015
LIM JIA QI	Master	COMPARISON OF ANN AND SVM FOR CLASSIFICATION OF EYE

MOVEMENTS IN EOG | Graduated | Main Supervisor | Research | 2016 |
NAQIAH BINTI YUNUS	Master	THE APPLICATION OF FINITE ELEMENT AND FINITE DIFFERENCE FOR PREDICTING PRESSURE IN MULTIPLE LEASES RESERVOIR	Graduated	Main Supervisor	Research	2015
Rosdiana Shahril	Master	Two Dimensional Active Contour Model on Multigrids for Edge Detection of Images.	Graduated	Main Supervisor	Research	2012
Nur Hidayah Mansor	Master	Parallelization Technique of Two Dimensional Heat Problem Using Finite Element Method.	Graduated	Main Supervisor	Research	2010
Amizah Mohamad Hamzah	Master	Two-Dimensional Elliptic Equation for Breast Cancer Detection Using High Performance Matlab Distributed Computing Server.	Graduated	Main Supervisor	Research	2009
Umi Nadia Al-Basitt	Master	Web Portal for Scientific Computing Library.	Graduated	Co-Supervisor	Research	2009

Nurul Afifah Abdul Rahm	Master	High Performance Computing of Heat Tranfer Visualization Involving Two Dimensional Boundary Value Problem for Raw Rubber Materi	Graduated	Co-Supervisor	Research	2008
Murni Shahirah Bt Mohammad Shariff	Master	Mathematical Simulation on DIC technique	Graduated	Co-Supervisor	Research	2011
Norfarizan Mohd Said	Master	Mathematical Modeling For Brain Tumor Growth Using High Performance Computing	Graduated	Main Supervisor	Research	2005
Amizah Binti Mohamed Hamzah	Master	High Performance of Two-Dimensional Elliptic Equation on Breast Cancer Detection Using MATLAB Distributed Computing Server	Graduated	Main Supervisor	Research	2009
Nor Shahirah Ahmad	Master	Convection of Gases due to Climax Change using Parallel Computing	Graduated	Main Supervisor	Research	2011
Madina bt Jamaludin	Master	Parallelization of Poisson, Boltzman and Dynamic Equation for Self-Gravitating Gas Dust System.	Graduated	Co-Supervisor	Research	2010
Nur Hidayah Mansor	Master	3D Skeletal Muscle Modelling and Its Parallelization using FEM.	Graduated	Main Supervisor	Research	2011
Hanifah Sulaiman	Master	High Performance Visualization for Early Detection of Breast Cancer using Distributed Parallel Computing System	Graduated	Co-Supervisor	Research	2010
Nor Aziran binti Awang	Master	Variational Iterative Method and Finite Difference Method in solving Boltzmann Equation of Self-Gravitating Gas-	Graduated	Main Supervisor	Research	2013

		Dust System				
Renugah a/p Rengsamy	Master	ANN for new Improve BP	Graduated	Co-Supervisor	Research	2007
NURUL NADIA ABU HASSAN	Master	Medical Scientific Computing based on Grid Portal	Graduated	Co-Supervisor	Research	2009
Nurul Ain Zhafarina Binti Muhamad	Master	An Improved Parallel AGE Method to Solve Incomplete Blow-up Problem through High Performance Computing System	Graduated	Main Supervisor	Research	2010

POSTGRADUATE EXAMINATION /VIVA

PhD EXTERNAL EXAMINER

i. Faizal Masud Khan, A Robust Framework of Sentimental Analysis for Online Customer Review and Blogs: Fazal Masud Khan, Gomal University , Pakistan, 2 Dec 2014
ii. Appointed as External Examiner Group USM 9 Jun 2015- Present
iii. Yiing Siew Ping, Modeling 3D Fluid Profile within Nonlinear Region, Unimas, Jun, 2018
iv. Cynthia Kon Mui Lian, Reaction-Diffusion Generic Model for Transmission of Mosquito-Borne Diseases. UNIMAS (2018)
v. Suhaila Abd Halim, Partial Differential Equation (PDE) Based Model as Image Denoising in Detecting Welding Flaws, UiTM, 2017
vi. Amilia Linggawati, Pembuatan Membran Hibrid Nilon 66 dengan kaedah Alur Elecktron dan Penciriannya, UKM 2009.
vii. Yeong Yin Fong, Silicalite-1 Membrane: Sythesis, Modification, Characterization and its Performance for the Reactive Separation of Para-Xylene from Xylene Isomers, USM, 2010
viii. Kamboh Shakeel Ahmed, Reduction of computational time in the numerical simulation of EHD Ion-drag micropump, UNIMAS 2014.
ix. Teoh Shian Li , A computational Approach in Epidemiological Game Theory, UNIMAS (2015)

MSc EXTERNAL EXAMINER

i) Anthony Mariada, Reduction of Membrane Fouling Using Helical Baffles for Crossflow Microfiltration, USM, 2003

ii)   Fathiah Mohd Zuki, Removal of Chromium ions from Aqueous Solutions by Polymer-Enhanced Ultrafiltration, UM 2005

iii)   Ong Yit Thai, Effects of Dispersion and Alignment of Carbone Nanotubes for Pervaporation Polymeric Membrane, USM 2010.

i)   Muhammad Helmi Rosli, : Fixed Partition Dynamic Allocation Framework On Hetergeneous Cluster, Sarjana UiTM, 1 April 2015

ii)   Teoh Shian Li, A computational Approach in Epidemiological Game Theory, UNIMAS 7 Dec 2015

iii)   Pemeriksa Luar Program Master at Universiti Putra Malaysia 2009

iv)   Yiiong Siew Ping, theory and computation of tread-annular flow, unimas, 2009

v)   RAKHIMOV SHUKRAT (UPM), EFFICIENT ITERATIVE ALGORITHMS FOR SOLVING THE POISSON EQUATION WITH ACCELERATED OVER -RELAXATION ON DISTRIBUTED MEMORY ARCHITECTURE, 2009

vi)   YIIONG SIEW PING (UNIMAS), THEORY AND COMPUTATION OF TREAD-ANNULAR FLOW, 2009

MSc INTERNAL EXAMINER

i)   Nor Syahida Ahmad Saferi, Solving Telegraph Equation By Using Finite Difference Method And Laplace Transform Homotopy Perturbation Method, 22 Dec 2015

ii)   Nur Fariha abdul Jalil, Finite Dfference Method To Solve One Dimensional Add Two Dimensional Groundwater Flow In A Confined Aquifer, 2013

iii)   Ahmad Deedat Bin Ibrahim, Earthquake induced vibrations in multistory building with damping, 2016

iv)   Ejaily Milad Ahmed Al-Ejaily, an integral equation method for solving the neumann problem on boundary multy, oct 2009.

v)   Law Jeng Yih, The Concentration of Sodium Salicylate and Conversion of Sodium Salicylic Acid using Electrodialysis Membranes, July 2004.

vi)   Noorhayati Othman, Industrial Research of Pressure and Flow Effects on Ultrasonic Cleaning System (DUCS) to Increase the Efficiency of 0.5 Sintered Stainless Membrane in Oleo Chemical Plant, UTM.

vii)   Ahmad Daedat Bin Ibrahim, Mathematical modeling for earthquake induced building vibrations integrating with ground motion.

viii)   DEEYANA RAHIM, CALSSIFYING OBJECTS USING THE PERCEPTRON LEARNING RULE

ix)   MOHD. ANUAR JAMALUDIN

x)   MAZLINDA IBRAHIM

xi)   RISWAN EFFENDI

xii)   DIYANA ABDUL MAHAD

PhD INTERNAL EXAMINER

i)   Cheong Hui Ting, Multiscale Localised Differential Quadrature Approach in Shape Memory Alloy Problem, 2017

ii)   Mispan bin Mangon, Ef ect of Accupressure Massage on Serum Electrolyte for Muscle Performance using Hand Training Simulator, 2017

iii)   Zulkifli bin Ahmad @ Manap, Prediction of Exhaustion Threshold to Prevent Sudden Death during Aerobic Exercise,PMBE/PMBH, 2017

iv)   Nurul Farha binti Zainuddin, Biomarkers Intelligence of Gamma Brain Activity during Cycling Performance at Both Virtual Reality Environment and Wind Tunnel, PMBE/PMBH, 2017

v)   Muhammad Fadli Arif, Obesity Factor Analysis Partial Least Square Structural Equation Modeling rehabilitation on obesity 2017

vi)   Hafizah Harun, Kinematics and Kinetics at the Alternation Between Walk and Run Gait on Different Gradients, UTM, FBME – BIOMEDICAL ENGINEERING, 29 April 2015

vii)   Abdul Rahman Mohd Kasim, Convective Boundary Layer Flow of Viscoelastic Fluid, FS UTM 14 April 2014

viii)   Shamsatun nahar binti ahmad, July 2009.[IDENTIFYING AND SOLVING MULTIVARIATE POLYNOMIAL SYSTMES WITH SLYVESTER-TYPE SPARSE RESULTANT MATRIX

ix)   Hassan mohamed saeed bawazir, March 2009

x)   mazlinda bt ibrahim, July 2009

xi)   HASSAN M.S.BAWAZIR

xii)   KEK SIE LONG

xiii)   MOHD SAIFULLAH RUSIMAN

xiv)   NORZAIDA ABBAS

xv)   SUMARNI ABU BAKAR

xvi)   LOH SER LEE

xvii)   DENNIS LING CHUAN CHING

xviii) FAIZAL ABDURABU MUBARAK

xix)   HALIZA ABD RAHMAN

xx)   LIEW SIAW YEE

xxi)   ZURAIDA ABAL ABAS

xxii)   ROLIZA MD YASIN

xxiii) SEYED MEHDI KARIMI SANGDEHI

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2. Norma Alias, Multigrid Method for solving heat equation of thermal control , Master Thesis, Universiti Teknologi Malaysia (1998)

3. Research book High Speed Computation of Muscle Stress Problem using Crack King Saud University

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1. Norma Alias and Md. Rajibul Islam, "Discretization of Crack Propagation on Parallel Computing: Complexity and Parallel Algorithms with Source Code" VDM Verlag Dr. Müller Aktiengesellschaft & Co. KG, Germany, 25th August 2010. P. 112. ISBN: 978-3-639-28599-4. Processes, Springer, New York, (June 2011).
2. Norma Alias and Md. Rajibul Islam, "*Tumor Growth Prediction Using Parallel Computing: Numerical Solutions based on Multi-dimensional Partial Differential Equation (PDE)*", LAP LAMBERT Academic Publishing AG & Co. KG, Germany, 26th August 2010. P. 172. ISBN: 978-3-8383-9699-6.
3. Norma Alias, Mohd Shahizan Othman, Lizawati Mi Yusuf, Pengkomputeran Selari, 978-983-52-1075-4, Penerbit UTM Press.
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5. Module security services and holistic approach, Johor Bodyguard Association, 2014

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1. Alias, N, Othman S, Satam N, Saipol , H, Book Chapter Intelligent Software Methodologies, Tools and Techniques: High Performance Nanotechnology Software (HPNS) for Parameter Characterization of Nanowire Fabrication and Nanochip System, (pp.251-268), ISSN 1865-0929.
2. Dr. Dayang hjh. Tiawa Awang hj. Hamid, Norma Alias, Abdul Hafidz Hj. Omar, Md. Rajibul Islam, Hafizah Farhah Saipan @ Saipol, Siti Qatrunada Muhd Palil, Asnida Che Abdul Ghani, Nurelya Ramli, "Web Based Service for Collaborative Authoring Learning using Grid Portal", in the Book "*Open Source Technology: Concepts, Methodologies, Tools, and Applications*", Editors: Information Resources Management Association, Chapter 94, vol 1, pp. 1860-1872, Nov 2014. Information Science Reference (an imprint of IGI Global), USA. ISBN: 978-1-4666-7230-7 (hardcover). DOI: 10.4018/978-1-4666-7230-7.ch094.
3. Norma Alias, Md. Rajibul Islam, Rosdiana Shahir, Hafizah Hamzah, Noriza Satam, Zarith Safiza, Roziha Darwis, Eliana Ludin and Masrin Azami, "Parallel System for Abnormal Cell Growth Prediction based on Fast Numerical Simulation", Editors: Ching-Hsien Hsu, Victor Malyshkin, in the Book "*Methods and Tools of Parallel Programming Multicomputer*", Lecture Notes in Computer Science, Springer-Verlag, Berlin Heidelberg, 2011. vol. 6083, pp. 222-231. ISBN: 978-3-642-14821-7.
4. Dayang hjh. Tiawa Awang hj. Hamid, Md. Rajibul Islam, Norma Alias and Abdul Hafidz Haji Omar, "An Efficient Authoring Activities Infrastructure Design through Grid Portal Technology", Editors: P. Dondon, O. Martin, in the Book "*Latest Trends on Engineering Education*", Included in ISI/SCI Web of Science and Web Knowledge.
5. Recent Advances In Theoretical and Numerical Methods,Title: Application of Charlie's method to the one-phase Stefan problem 2007, 129 – 136 ISBN: 978-983-52-0610-8

6. Intelligent Software Methodologies, Tools And Techniques, 2015 (A)
7. Intelligent Software Methodologies, Tools And Techniques, 2015 (B)
8. Trends and directions in Bioinformatics, Title: Bioinformatics software for human tumors' growth on high performance computing platform Vol. 1, 2008, ISBN 978-983-52-0622-1

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Al-Rahmi, W. M., Alias, N., Othman, M. S., Ahmed, I. A., Zeki, A. M., & Saged, A. A. (2017). Social media use, collaborative learning and students' academic performance: A systematic

literature review of theoretical models. *Journal of Theoretical and Applied Information Technology, 95*(20), 5399-5414.

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64. Othman, M.S., Yusuf, L.M., Basitt, U.N.A., Alias, N. The architecture of scientific computing library portal on sequential algorithm based on partial differential equation (2010) Proceedings

2010 International Symposium on Information Technology – System Development and Application and Knowledge Society, ITSim'10, 3, art. no. 5561507, pp. 1109-1113. [SCOPUS]

65. Hamid, D.H.T.A.H., Islam, R., Alias, N., Omar, A.H.H. An efficient authoring activities infrastructure design through grid portal technology (2010) International Conference on Engineering Education and International Conference on Education and Educational Technologies - Proceedings, pp. 146-151.[SCOPUS]

PLENARY LECTURE/KETNOTE ADDRESS

1. ICSTAR 2015 Invited speaker
2. Alias, N, Conceptual Framework for Modeling Complex Systems and Large Scale Numerical Simulation for Solving Multidisciplinary Applications , ICIT 2016 , Science Alert Conference , Deira Dubai, UAE and King Fahd University for Petroleum and Minerals, Saudi Arabia , 10-11 August 2016.
3. Alias, N , Seeing The World With Mathematics, Numerical And Statistics , Panitia Seminar Nasional Matematika Dan Aplikasinya , Jurusan Mipa Program Studi Matematika Universitas Jenderal Soedirman, 22 Nov 2014 .
4. Alias, N, The development of women university in Saudi Arabia Region, Symposium Saudi Women In Higher Education – In Global perspective 12-13 Jan 2013
5. Alias, N , Integration of a Big Data Emerging on Nanotechnology Theory, Model, Simulation and Its Application using Green Computing Platform, 2nd International Conference on Science, Technology, and Interdisciplinary Research (IC-STAR), UNILA, 22-25 August 2016, Bandar Lampung, Indonesia. (keynote)
6. Alias, N , High Performance Computing and Communication Models for Solving the Complex Interdisciplinary Problems on DPCS , International Conference on Science, Technology, and Interdisciplinary Research (IC-STAR 2015), UNILA, 21-23 Sep 2015, Bandar Lampung, Indonesia. (plenary)
7. Alias, N , The Classification of Complex Model, Big Data and HPC Platform in Numerical Perspective for the Application of Fourth Industrial Revolution, International Conference on Mathematics and Applications 2017 (CICMA-2017) University Bahruddin Zakaria , Multan, Pakistan , 6-7 Nov 2017. (keynote)
8. Alias, N, Complex Model, Sequential Immigrants, Big Data Generation, Large Sparse Simulation And High-performance Computing Platform for 4iR Applications. International Conference on Data and Information Science , ICODIS 5-6 Dec 2017, Telkom University , Bandung, Indonesia. (plenary)
9. Alias, N, MATLAB VERSUS PVM: PERFORMANCE ON DISTRIBUTED COMPUTING ENVIRONMENTS FOR 4IR APPLICATIONSInternational Conference on Numerical Optimization and Operation Research (ICNOOR-VIII). 27th – 29th August 2017 , Bukitinggi, Indonesia. . (plenary)
10. Alias, N , Conceptual Framework for Big Data Emerging on Nanotechnology Theory, Model, Simulation using HPC System, The 5th International Conference on Science & Engineering in Mathematics, Chemistry and Physics 2017 (ScieTech 2017), Bali, Indonesia 21 - 22 January 2017.

11. International Conference on Data and Information Science (ICoDIS 2018) Telkom University , Bandung, Indonesia. . (keynote)
12. Alias N, Big data Analytics Based on Machine Learning Approaches for Analyzing Medical Images, 4th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 13-14 Oct, 2018, Kuala Lumpur. (keynote)
13. Alias N, Big Data Analytics For Large-Scale Parallel Numerical Simulation on Green Computing Platform, 7th International Conference on Numerical Optimization and Operations Research (ICNOOR-VII), Hanoi, Vietnam, 31 October - 2 November 2016 . (plenary)
14. Alias N, Integration of a Big Data Emerging on Nanotechnology Theory, Model, Simulation and Its Application using Green Computing Platform, 2nd International Conference on Science, Technology and Interdisciplinary Research 2016, Bandar Lampung, Indonesia, 22 - 25 August 2016 . (keynote)
15. Alias N, Conceptual Framework for Modeling Complex Systems and Large-scale Numerical Simulation for Solving Multidisciplinary Applications, 4th International Conference on Information Technology, Dubai, 10 – 11 Aug 2016. . (keynote)
16. Alias, N,   Big Data, Modeling, Simulation, Network, Platform and Holistic approaches for the Fourth Industrial Revolution, International Conference on Mathematics, Engineering and Industrial Applications 2018 (ICoMEIA 2018) . (keynote)
17. Alias, N The Classification of Complex Model, Big Data and HPC Platform in Numerical Perspective for the Application of Fourth Industrial, Revolution ICCSS2017 , 4th International Conference on Computational and Social Sciences organized by Abdul Wali Khan University Mardan and Public Islamic University of Pekalongan Indonesia, Nov. 15– 17, 2017, . (keynote)
18. Alias, N , Small Data : A Potential for The Biggest Mathematical Innovations in Numerical Perceptive, The International Conference on Mathematics, Statistics and Computer Science (ICMSCS 2017) , 26th – 28th April 2017 , Bengkulu, Indonesia. . (keynote)
19. ICBDSC 2019 (keynote)
20. ICSTR 2019, Singapore (keynote)
21. ICNOOR 2019 Vietnam (keynote)

INVITED/GUST SPEAKER

1. Alias, N, Communication Protocol Software for 4iR applications International Fundamental Science Congress 2018 (iFSC). 23-24 Oct 2018, Kajang Selangor Malaysia.
2. Alias, N , Large Sparse Complex Model and Advance Visualization of Magnetic Nanoparticle for Drug Delivery, Drug Release and Effects of Abnormal Cell Treatment on HPC Platform. 2018 International Conference on Intelligent Information Technology (ICIIT 2018) , Vietnam Academy of Science and Technology, Hanoi, Vietnam , February 26-28, 2018.
3. Alias, N, Big data modeling, simulation, computational Platform, Holistic Approaches for the Fourth Industrial Revolution, Lahore University of Management Sciences, Lahore, Pakistan (8-9 Nov 2017).
4. Alias, N, Machine Learning with MATLAB (10-11 July 2017), Activemedia Innovation Sdn Bhd

5. Alias, N, Big Data Modeling Simulation and Platform for 4iR, Popular Science Seminar Series 2 2017/18-01

6. The classification of Clomplex Model Big Data and HPC Platform in Numerical perspective for the 4iR application, CSNano Seminar Series 15, 14 June 2017

7. Alias, N, Analytical Solution and High Performance AGE Order (2,2) Method for Breast Cancer Growth Model using 2D Helmholtz Equation with free-space on DPCS Platform, International conference on Differential Equations and Applications, Syed Babar Ali School of Sciences & Engineering Lahore University of Management Sciences, Lahore Pakistan, 26-28 May 2016.

8. Alias, N, : High performance Computing and communication models for Complex Interdisciplinary Problems on DPCS , ICSTAR 2015 , Bandar Lampung, Indonesia , 21-23 September 2015.

9. Alias, N, Invited Speaker for Conference Workshop , Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014), Ibnu Sina Institute, 8-11 Sept 2014

10. Alias, N, Reseach Application on parallel computing dan numerical simulation.Seminar on The Exotic Experience As Computational Mathematician, 15 Oct 2014.

11. Alias, N , Research Opportunity in Numerical Analysis , Faculty Science Seminar , 8 May 2014

12. Alias, N , Strategy to Answer Mathematics Subject, Ilham Estima Interprise , 13 June 2014.

13. Alias, N , Publication and Thesis Writing for UTM Zamalah Students, Bengkel Graduate on Time (GOT), 3 Dec 2013

14. Alias, N, CUDA programming, NVIDIA and MIMOS Seminar, 24-25 Oct.2014.

15. Alias , N , Theoretical and concepts on solving Navier-Stokes equations using FDM , Workshop On Numerical Methods For Solving Navier-Stokes Equation Problems, Makmal Komputer, Jabatan Sains Matematik, Fakulti Sains, 28 August 2013

16. Alias, N, Pembangunan fasiliti dan sahsiah pelajar , Sek Men Ampangan Seremban Negeri Sembilan 6, Jan 2014

17. Alias, N, Kepimpinan Inovatif Melalui Pendekatan Holistik, Kolej Canselor UTM, 2 Dec . 2013

18. Alias, N, Knowledge transfer and training skill for the food frozen drying technology, Seminar Talk, Universiti Tenaga Nasional, 1 Oct 2012

19. Alias, N, High Performance Computing Software and Platform, High Performance Computing Conference: CAD/CAE Workshop Malaysia 4 Dec 2012

20. Alias, N , Innovative Knowledge Transfer to Technology, Computer and Information Science Seminar , Prince Sultan University, Riyadh Saudi Arabia, 18 May 2011

21. Alias, N , IP awareness, Seminar Series, King Abdulaziz City for Science and Technology (KACST), King Saud University , Riyadh Saudi Arabia, 20 March 2011

22. Alias, N , International Research Collaboration with Ibnu Sina Institute, 27 Sept 2011

23. Alias, N , Research and Innovation on High Performance Computing Applications, Seminar Series, King Saud University

24. Alias, N , Promotion: UTM postgraduate programme. Seminar Series, King Saud University, 1 Jan 2011.

25. Alias, N , Invitation to Start Publishing Research Paper, Seminar Series, King Saud University, 1 Feb 2011.

26. Alias, N, how to convert thesis to ip, IP Seminar Series 1, King Saud University 24 April 2011

27. Alias, N, Intellectual Property Rights for Software and Hardware technologies development. IP Seminar Series 2, King Saud University 2 May 2011.

28. Alias, N, GRADUATION PROJECT . IP Seminar Series 3, King Saud University 24 May 2011 Alias, N, Approach to Knowledge Transfer into Software Development and SME Commercialization, IP Seminar Series 4, King Saud University 24 Jun 2011.

29. Alias, N, A Big Data and large sparse simulation on High performance Computing with Low Cost Communication Protocol, 1st International Joint Seminar on Multidisciplinary Method and Model, Huizhou University, China, 14-16 September 2016
30. Alias, N, A big data and large sparse simulation on high performance computing with low cost communication protocol, 1st International Joint Seminar on Multidisciplinary Method and Model (ISHU 2016), Huizhou University, China, 14-16 September, 2016
31. Alias, N, Big Data Analytics, Invited Speaker, 2 December 2016, Telcom Unibersity Indonesia
32. Alias, N, Big Data, Modeling, Simulation, Computational Platform and Holistic approaches for the Fourth Industrial Revolution, Universitas Negeri Semarang.
33. Alias, N, Parallel Algorithm on Distributed Computing Seminar Series for Computatioanl Science And mathematics. Universiti Malaysia Sarawak, 15 Oct 2008
34. Alias, N, Workshop on Heterogeneous Cluster Workstation Development, Tempat: Fakulti Teknologi Maklumat & Sains Kuantitatif UiTM Shah Alam , 19-20 June 2007
35. Alias, N, Workshop for Parallel Performance Measurement on Distributed " Numerical Simulation in Solving Temperature Prediction Problems using Distributed Parallel Computer Systems, 9 Feb 2007 UITM Shah Alam.
36. Alias, N, Parallel Performance Measurement on Distributed, UNITEN Seminar Series, 16-17 April 2009.
37. Alias, N, Grid Computing Platform and Network, Seminar on The National Technology Roadmap for Grid Computing Review 26-28 Universiti Malaysia Terengganu, 26-28 Oct 2009
38. Alias, N, Heterogeneous Cluster Workstation Development,Workshop Parallel Computing, Fakulti Teknologi Maklumat & Sains Kuantitatif UiTM Shah Alam 19-20 June 2007
39. Alias, N, The Development High performance Computer Using Open Souce Software, Workshop on LINUX, UNITEN , Bangi Selangor 17 August 2007