



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

## CURRICULUM VITAE



### PERSONAL DETAILS

Name : Noor Azean Binti Atan  
Gender : Female  
Date of Birth : 31 January 1977  
Nationality : Malaysian  
Marital Status : Married  
Address : 60, Jalan Jasa 39, Rini Hills, Taman Mutiara Rini  
81300, Skudai, Johor  
Tel : (Mobile): 012-7225606 (Office): 07-5534391  
(Fax): 07-5577351  
E-mail : azean@utm.my  
Website : <https://people.utm.my/azean>  
ID Staff : 8969  
Expertise : Educational Technology  
Authentic Learning & Visual Thinking  
Online Learning & Hybrid Service Learning

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Diploma	Computer Science	Universiti Teknologi Malaysia	1995	1998
2	B. Sc.	Computer	Universiti Teknologi Malaysia	1999	2001
3	M.Sc.	Information Technology	Universiti Teknologi MARA	2004	2005
4	Ph.D.	Educational Technology	Universiti Teknologi Malaysia	2007	2012

## AWARD AND HONORS RECEIVED

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Achievement Award	5% Best Instructor in Universiti Teknologi Malaysia Received at Dec 2003.	2003
2	Active Committee Award	Jawatankuasa Projek Sarjana Muda <b>Hari Kualiti Fakulti Pendidikan 2006</b> Received at 9 <sup>th</sup> Feb 2007.	2007
3	Silver Medal	The invention/innovation of JUZCLICK: Dictionary Interactive Multimedia, <b>36th International Exhibition of Inventions New Techniques and Products Geneva,</b> 2-6 <sup>th</sup> April 2008, <b>Geneva Palexpo, Switzerland.</b>	2008
4	Silver Medal	The invention/innovation of Programme Pedagogy Personalised, <b>36th International Exhibition of Inventions New Techniques and Products Geneva,</b> 2-6 <sup>th</sup> April 2008, <b>Geneva Palexpo, Switzerland.</b>	2008
5	Gold Medal	the Invention/Innovation of JUZCLICK: Online Interactive Multimedia Dictionary, <b>Malaysia Technology Expo 2008 (MTE),</b> 21-23 <sup>rd</sup> February 2008, Putra World Trade Center (PWTC), Kuala Lumpur.	2008
6	Gold Medal	the Invention/Innovation of Personalized Learning Courseware Through Digital Learning Object Concept for Learning Multimedia and Computer Networking (DLOC), <b>Malaysia Technology Expo 2008 (MTE),</b> 21-23 <sup>rd</sup> February 2008, Putra World Trade Center (PWTC), Kuala Lumpur.	2008
7	The Best Award	The Invention/Innovation of Personalized Learning Courseware Through Digital Learning Object Concept for Learning Multimedia and Computer Networking (DLOC), <b>Malaysia Technology Expo 2008 (MTE),</b> 21-23 <sup>rd</sup> February 2008, Putra World Trade Center (PWTC), Kuala Lumpur.	2008
8	Anugerah Khas	Penglibatan Dalam Pertandingan Penyelidikan, Sambutan 15 Tahun & Majlis Kualiti Fakulti Pendidikan 2008, Received at 16 <sup>th</sup> May 2008	2008
9	Gold Medal	OER Integration: OCW & MOOCS, <b>National University Carnival on eLearning 2014 (NUCeL2014),</b> 14-15 <sup>th</sup> November 2014, Shah Alam Convention Centre, Selangor	2014
10	Gold Medal	for BLOSSOMS: Helps Develop Students' Higher Order Thinking Skills (HOTS) in Learning STEM, <b>National University Carnival on eLearning 2014 (NUCeL2014),</b> 14-15 <sup>th</sup> November 2014, Shah Alam Convention Centre, Selangor	2014
11	Gold Medal	Mandarin Tutor Apps, <b>National University Carnival on eLearning 2014 (NUCeL2014),</b>	2014

		14-15 <sup>th</sup> November 2014, Shah Alam Convention Centre, Selangor	
12	Gold Medal	Mental Arithmetic Fun Learning, <b>National University Carnival on eLearning 2014 (NUCel2014)</b> , 14-15 November 2014, Shah Alam Convention Centre, Selangor	2014
13	Gold Medal	BLOSSOMS: Blended Learning Approach that Helps Develop Teachers' and Students' Higher Order Thinking Skills (HOTS) in Science, Technology, Engineering and Mathematics (STEM), <b>Innovative Practices In Higher Education Expo 2015 (I-PHEX)</b> , 6 <sup>th</sup> August 2015, Main Hall, Universiti Teknologi Malaysia, Kuala Lumpur	2015
14	Gold Medal	Implementation of Engineering and Computing Courses Through MOOCs Based on Authentic Learning Environment, <b>National University Carnival on eLearning 2015 (NUCel2015)</b> , Category of Invention, Innovation & Design On E-Learning (IIDEL) 2015, 14-15 <sup>th</sup> December 2015, Main Hall, Sultan Azlan Shah Campus, UPSI, Perak	2015
15	Bronze Medal	My IQ Apps (My Intelligent Quotient), <b>National University Carnival on eLearning 2015 (NUCel2015)</b> , Category of Invention, Innovation & Design On E-Learning (IIDEL), 14-15 <sup>th</sup> December 2015, Main Hall, Sultan Azlan Shah Campus, UPSI, Perak	2015
16	Bronze Medal	Brainiac Apps, <b>National University Carnival on eLearning 2015 (NUCel2015)</b> , Category of Invention, Innovation & Design On E-Learning (IIDEL), 14-15 <sup>th</sup> December 2015, Main Hall, Sultan Azlan Shah Campus, UPSI, Perak	2015
17	Bronze Medal	Development Process of UTM MOOCs <b>National University Carnival on eLearning 2015 (NUCel2015)</b> , Category of Invention, Innovation & Design On E-Learning (IIDEL), 14-15 <sup>th</sup> December 2015, Main Hall, Sultan Azlan Shah Campus, UPSI, Perak	2015
18	Shortlisted	The Wharton-QS Stars Reimagine Education Awards 2015 (WQS Stars 2015)	2015
19	Special Appreciation	Appreciation for Field Expert and Developer of Malaysia MOOC 2015 (Courses for Universiti Teknologi Malaysia 2014/2015) <ul style="list-style-type: none"> <li>• Web Based Multimedia Development</li> <li>• Data Structures and Algorithms</li> <li>• Highway Engineering</li> <li>• Mechanical and Electrical Works Measurement</li> </ul> 30 <sup>th</sup> December 2015, Majlis ePembelajaran IPTA Malaysia (MEIPTA), Malaysia	2015
20	Awards of Excellent	Recognition of Valuable Contribution Active Blended Learning Course, (Semester 1-2015/2016) <ul style="list-style-type: none"> <li>• MPT1393 - Web Based Multimedia Development</li> <li>• MPPP1353 - Management of Computer Network and Telecommunication</li> </ul> (Semester 2 -2015/2016) <ul style="list-style-type: none"> <li>• SPPM1013 – Telecommunication and Networking</li> <li>• MPPP1353 - Management of Computer Network and Telecommunication</li> </ul> 31 <sup>st</sup> July 2016, UTM Academic Leadership (UTMLead), Universiti Teknologi Malaysia	2016
21	Gold Medal	Implementation of Educational Technology Course Through MOOCs Based on Authentic Learning Strategy, <b>3rd International Innovative Practices in Higher Education Expo (I-PHEX 2016)</b> , 10 <sup>th</sup> August 2016, Dewan Azman Hashim, Universiti Teknologi Malaysia, Kuala Lumpur	2016

22	Silver Medal	'Modul Strategi Pembelajaran Penaakulan Berfokuskan Metakognitif Menerusi Model Dimensi Pembelajaran Marzano', Innovative Practices In Education and Industry Exhibition (I-PEINX 2016), 14 <sup>th</sup> March 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
23	Silver Medal	for Learning Strategy for 3D Plan & Elevation Using Sketchup Make to Promote Students's Visual Spatial Skill & Van Hiele Geometry Thinking, Innovative Practices In Education and Industry Exhibition (I-PEINX 2016), 14 <sup>th</sup> March 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
24	Silver Medal	Using Mason's Mathematical Learning Strategy in Outside of Classroom Environment (MATHOC), Innovative Practices In Education and Industry Exhibition (I-PEINX 2016), 14 <sup>th</sup> March 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
25	Silver Medal	Integration of MOOCs as Blended Learning in Learning Research Methodology Course, <b>International University Carnival on eLearning (IUCEL) 2016</b> , 20-21 <sup>st</sup> September 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
26	Silver Medal	Implementation of Authentic Learning Strategy for Web Based Development Course Through MOOCs, <b>International University Carnival on eLearning (IUCEL) 2016</b> , 20-21 September 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
27	Anugerah Perkhidmatan Cemerlang	Majlis Anugerah Kecemerlangan Dan Penghargaan UTM 2016 ( <b>Citra Karisma</b> ), 31 <sup>st</sup> May 2016, Dewan Sultan Iskandar, Universiti Teknologi Malaysia, Johor	2016
28	Anugerah Khas Juri	Produk Inovasi: Multipurpose Rainbow Pouches Hari Inovasi Fakulti Pendidikan 2016 8 <sup>th</sup> December 2016, Dewan Astana & Centre Of Student Innovation, Universiti Teknologi Malaysia, Johor	2016
29	Anugerah Khas Juri	Produk Inovasi: Pola Boleh Laras Pakaian Tradisional Kanak-Kanak Hari Inovasi Fakulti Pendidikan 2016 8 <sup>th</sup> December 2016, Dewan Astana & Centre of Student Innovation, Universiti Teknologi Malaysia, Johor	2016
30	Gold Medal	Implementation of Engineering Course through MOOCs based on Authentic Learning Environment, <b>International Invention, Innovation and Design (IIID) Johor 2017 Exhibition</b> , 8-9 <sup>th</sup> March 2017, Grand Ballroom, Amansari Residence Resort, Bandar Seri Alam, Johor	2017
31	Awards of Excellent	Recognition of Valuable Contribution Active Blended Learning Course, (Semester 1-2016/2017) <ul style="list-style-type: none"> <li>• MPPP1403 – Innovative Learning Environment</li> <li>• MPPP1353 - Management of Computer Network and Telecommunication</li> <li>• MPPP1203 – Educational Technology Foundation and Research</li> <li>• MPPU1003 – Innovation in Learning &amp; Teaching</li> </ul> 31 <sup>st</sup> December 2017, UTM Academic Leadership (UTMLead), Universiti Teknologi Malaysia	2017
32	Gold Award	Improving Students Learning Outcome Through E-Service Learning Based on Authentic Learning Strategy New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar,	2018

		Universiti Teknologi Malaysia	
33	Gold Award	Reka Bentuk Modul Pembelajaran Kendiri Menerusi Pembelajaran Berasaskan Senario New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
34	Silver Award	Comprehensive Academic Programme Development and Improvement: For Islamic Study Curriculum New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
35	Silver Award	Edutainment Mobile Application: Kembara Nombor New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
36	Silver Award	Learning Highway Engineering Course Through MOOC Platform: Students' Awareness and Accessibility New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
37	Silver Award	Pembelajaran Berasaskan Komuniti Menerusi Program Lestari Komuniti Kemboja 2.0 New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
38	Bronze Award	International Service Learning Program (ISLP) New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
39	Bronze Award	Implementation of BLOSSOMS Modules for Highway Engineering Course to Enrich Students Learning Experience New Academia Learning Innovation (NALI) 2018 Exhibition & Competition 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
40	Top 3 Finalist	International Service Learning: Cambodia, Indonesia & Malaysia NALI 2018 Award New Academia Learning Innovation (NALI) 2018 Award 25 <sup>th</sup> - 26 <sup>th</sup> September 2018, Dewan Sultan Iskandar, Universiti Teknologi Malaysia	2018
41	Gold Medal	Design and Development of Learning Activities for E-Service Learning Program based on Authentic Learning Strategy e-Learning Carnival & Conference 2018 (eLCC 2018) 16 <sup>th</sup> July, Dewan Utama UTeM, Universiti Teknikal Melaka, Melaka	2018
42	Bronze Medal	Implementation Holistic of Social Learning Environment e-Learning Carnival & Conference 2018 (eLCC 2018), 16 <sup>th</sup> July, Dewan Utama UTeM, Universiti Teknikal Melaka, Melaka	2018
43	Awards of Excellent	In Recognition of Valuable Contribution Active Blended Learning Course (Semester 1-2017/2018) <ul style="list-style-type: none"> <li>• MPPP1203 - Educational Technology Foundation and Research</li> <li>• MPPP1353 - Management of Computer Network and Telecommunication</li> </ul> 31 <sup>st</sup> December 2018, UTM Academic Leadership (UTMLead), Universiti Teknologi Malaysia	2018

44	Awards of Excellent	In Recognition of Valuable Contribution Active Blended Learning Course (Semester 2-2017/2018) <ul style="list-style-type: none"> <li>• MPPP1403 - Innovative Learning Environment</li> <li>• MPPU1003 - Innovation in Learning and Teaching</li> </ul> 31 <sup>st</sup> December 2018, UTM Academic Leadership (UTMLead), Universiti Teknologi Malaysia	2018
45	First Place	Pembelajaran Servis Terbaik (ICT for Community Services) Hari Kokurikulum UTM 2018 15 <sup>th</sup> May 2018, Dataran Pusat Kokurikulum dan Pembelajaran Servis (CCSL), Universiti Teknologi Malaysia	2018
46	Gold Award	Integration of E-Service Learning Platform in Authentic Learning Environment for Computer Network Cabling and Setup New Academia Learning Innovation (NALI) 2019 Exhibition & Competition 18 <sup>th</sup> September 2019, Convention Hall, Faculty of Built Environment & Surveying, Universiti Teknologi Malaysia	2019
47	Top 3 Finalist	Promoting Students' Engagement through e-Service Learning for Multimedia Design Course NALI 2019 Award New Academia Learning Innovation (NALI) 2019 Exhibition & Competition 18 <sup>th</sup> September 2019, Convention Hall, Faculty of Built Environment & Surveying, Universiti Teknologi Malaysia	2019
48	Gold Award	Program Pembelajaran Servis Terbaik (Kluster Akademik & Profesional) Hari Kokurikulum UTM 2019 21 <sup>st</sup> December 2019, Dewan L50 & Dataran Pusat Kokurikulum dan Pembelajaran Servis (CCSL), Universiti Teknologi Malaysia	2019
49	Best Award	Program Pembelajaran Servis Terbaik (Keseluruhan) Hari Kokurikulum UTM 2019 21 <sup>st</sup> December 2019, Dewan L50 & Dataran Pusat Kokurikulum dan Pembelajaran Servis (CCSL), Universiti Teknologi Malaysia	2019
50	Finalist	Penguasaan Kemahiran Generik dan Pemikiran Reflektif Pelajar Menerusi Pembelajaran Servis Berdasarkan Strategi Pembelajaran Autentik (K-GenRe PSA) <b>Anugerah Khas YB Menteri Pendidikan Malaysia: Rekabentuk Kurikulum Dan Penyampaian Inovatif Tahun 2019 (AKRI 2019)</b> 11 <sup>th</sup> – 12 <sup>th</sup> September 2019, Grand Mesmera Ballroom, Hotel The Everly Putrajaya	2019
51	Awards of Excellent	In Recognition of Valuable Contribution Active Blended Learning Course (Semester 1-2020/2021) <ul style="list-style-type: none"> <li>• SHPP1702 (SEM1-20202021)</li> <li>• SPPP2343 (SEM1-20202021)</li> <li>• SPPP2343 (SEM2- 20192020)</li> <li>• MPPU1003 (SEM1- 20202021)</li> <li>• MPPU1003 (SEM3- 20192020)</li> </ul> 31 <sup>st</sup> December 2020, UTM Academic Leadership (UTMLead), Universiti Teknologi Malaysia	2020
52	Best Award	Anugerah Buku Karya Asli Terbaik Majlis Apresiasi Fakulti Sains Sosial dan Kemanusiaan 2020 15 <sup>th</sup> December 2020, Dewan Seminar Fakulti Sains Sosial dan Kemanusiaan, Universiti Teknologi Malaysia	2020
53	Gold Award	Kit Amalan Hijau: Gamifikasi dalam Pembelajaran Pendidikan Alam Sekitar Kanak-Kanak Sekolah Rendah Pertandingan Inovasi MEDC 2020 (InnoMEDC 2020) Seminar Kebangsaan Majlis Dekan Pendidikan Universiti Awam Malaysia (MEDC 2020) 11 <sup>th</sup> -12 <sup>th</sup> November 2020, Universiti Sains Islam Malaysia (Online)	2020

54	Silver Award	Students Engagement in Hybrid Service Learning for Network Cabling Installation Pertandingan Inovasi MEDC 2020 (InnoMEDC 2020) Seminar Kebangsaan Majlis Dekan Pendidikan Universiti Awam Malaysia (MEDC 2020) 11 <sup>th</sup> -12 <sup>th</sup> November 2020, Universiti Sains Islam Malaysia (Online)	2020
55	Gold Medal	Gamified Hybrid Service Learning to Promote Students Engagement and Generic Skills New Academia Learning Innovation 2020 (NALI2020) 7 <sup>th</sup> -10 <sup>th</sup> December 2020, Dewan Seminat UTMLead, Universiti Teknologi Malaysia (Online)	2020

### PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Malaysia Educational Technology Association (META/PTPM)	National	Member	2006-2007
2	Mobile Learning Association of Malaysia (M-Learning)	National	Member	2013-2014
3	Dasar E-Pembelajaran (DePAN), Jabatan Pengajian Tinggi, Malaysia	National	Committee Member	2014-2015
4	The Malaysian e-Learning Council for Public Universities (MEIPTA)	National	Member	2014-2015
5	Institute of Electrical and Electronics Engineers (IEEE), Memberships No. : 93341673, Malaysia Section	International	Member	2015-2016
6	Society of Engineering Education Malaysia (SEEM) Memberships No. : P0324	National	Member	2016-2017
7	Mobile Learning Association of Malaysia	National	Member	2018
8	Industrial Engineering and Operations Management (IEOM) Society	International	Member	2018-2019
9	Industrial Engineering and Operations Management (IEOM) Society	International	Member	2020

### ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT
1	Coordinator	1 <sup>st</sup> Jan 2005	31 <sup>st</sup> Dec 2007	Sarjana Muda Sains Dan Komputer Serta Pendidikan (Kimia / Matematik), Faculty of Education
2	Coordinator	1 <sup>st</sup> July 2006	31 <sup>st</sup> Dec 2007	Undergraduate Projects (PSM), Multimedia Educational Department, Faculty of Education
3	Head of Computer Laboratory	1 <sup>st</sup> July 2006	31 <sup>st</sup> Dec 2007	Multimedia Educational Department, Faculty of Education
4	Coordinator	1 <sup>st</sup> July 2012	31 <sup>st</sup> June 2013	Postgraduate Program (Educational Technology), Multimedia Educational Department, Faculty of Education

5	Head of Computer Laboratory	1 <sup>st</sup> July 2012	31 <sup>st</sup> July 2013	Multimedia Educational Department, Faculty of Education
6	Webmaster	1 <sup>st</sup> July 2012	31 <sup>st</sup> July 2013	Faculty of Education Universiti Teknologi Malaysia
7	Information Technology (IT) Manager	1 <sup>st</sup> Aug 2013	31 <sup>st</sup> Dec 2015	Center for Teaching and Learning (CTL), UTMLead
8	Coordinator	1 <sup>st</sup> Jan 2014	31 <sup>st</sup> Dec 2015	UTM OpenCourseware, Center for Teaching and Learning (CTL), UTMLead
9	Manager	1 <sup>st</sup> July 2014	31 <sup>st</sup> Dec 2015	UTM-MOOCs (Massive Open Online Courses), Center for Teaching and Learning (CTL), UTMLead
10	Manager	1 <sup>st</sup> Aug 2013	31 <sup>st</sup> Dec 2015	UTM Student-to-Student Edutainment, Center for Teaching and Learning (CTL), UTMLead
11	Ketua J/k	1 <sup>st</sup> Jan 2020	31 <sup>st</sup> Dec 2020	Jawatankuasa Libatsama Komuniti Dan Pembelajaran Servis, School of Education, FSSH
12	Ketua J/k	1 <sup>st</sup> Jan 2020	31 <sup>st</sup> Dec 2020	Jawatankuasa Pembelajaran Teradun, Faculty of Social Sciences and Humanities
13	Ketua J/k	1 <sup>st</sup> Jan 2021	31 <sup>st</sup> Dec 2021	Jawatankuasa Libatsama Komuniti Dan Pembelajaran Servis, School of Education, FSSH

## WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ ORGANISATION
1	Account Assistant	1 <sup>st</sup> Mar 1995	30 <sup>th</sup> June 1995	Bridgestone Sdn Bhd
2	Account Assistant	1 <sup>st</sup> July 1995	30 <sup>th</sup> Dec 1995	MBF Finance Sdn Bhd
3	Programmer	1 <sup>st</sup> April 1998	30 <sup>th</sup> Oct 1998	Computer Center, UTM
4	Tutor	5 <sup>th</sup> Nov 2001	15 <sup>th</sup> June 2005	Faculty of Education, UTM
5	Lecturer	1 <sup>st</sup> July 2005	31 <sup>st</sup> Dec 2012	Faculty of Education, UTM
6	Senior Lecturer	2013	2021	Faculty of Education, Faculty of Social Sciences and Humanities, UTM

## CONSULTANCY EXPERIENCE

NO	NAME OF CONSULTANCY	ROLE	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Training on Modern Teaching Methods In Computer Networks and Distributed Systems	Leader	31,500	4 <sup>th</sup> May 2014	8 <sup>th</sup> May 2014	
2	Specialized Training On Interactive Learning Management System And Research Linkages In Computer Networks And Distributed Systems	Leader	21,000	23 <sup>rd</sup> March 2014	31 <sup>st</sup> March 2014	
3	Development of Malaysia MOOC (MyMOOC) Courses	Leader	138,000	1 <sup>st</sup> Jan 2015	31 <sup>st</sup> Dec 2015	



4	E-Learning Training Courses: Afghan Ministry of Higher Education	Member	11,000	3 <sup>rd</sup> Nov 2016	4 <sup>th</sup> Nov 2016	
5	Blended Learning & New Web Emerging Technologies Training	Member	6,000	12 <sup>th</sup> Oct 2017	13 <sup>th</sup> Oct 2017	
6	Udergraduate Students for International Service Learning Universitas Muhammadiyah Purwokerto & Universiti Teknologi Yogyakarta, Indonesia	Member	30,000	16 <sup>th</sup> July 2017	17 <sup>th</sup> Aug 2017	
7	Blended Learning & Emerging Educational Technologies Training : Afghan Ministry of Higher Education	Leader	11,000	14 <sup>th</sup> April 2018	15 <sup>th</sup> April 2018	
8	Comprehensive Academic Programme Development and Improvement Training Programme	Member	51,942	1 <sup>st</sup> May 2018	30 <sup>th</sup> April 2020	

## UNIVERSITY / FACULTY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Education Management Information Systems (EMIS), Faculty of Education	Koordinator	2002	2003
2	Makmal Komputer Multimedia Jabatan Multimedia Pendidikan, Fakulti Pendidikan	Ketua Makmal	2002	2003
3	Pembimbing Program Latihan Praktik	Pensyarah Pembimbing	2002	2003
4	Faculty of Education Website	Web Master	2002	2004
5	Program Sarjana Muda Sains & Komputer Serta Pendidikan (Kimia) - (SPK)	Koordinator	2005	2006
6	Program Sarjana Muda Sains & Komputer Serta Pendidikan (Kimia)- (SPK)	Penasihat Akademik	2005	2006
7	Pembimbing Program Latihan Mengajar 2005/2006	Pensyarah Pembimbing	2005/2006	2005/2006
8	Makmal Komputer Multimedia Jabatan Multimedia Pendidikan, Fakulti Pendidikan	Ketua Makmal	2005	2006
9	Peperiksaan Komprehensif Semester I, Sesi 2006/2007	Panel	2006	2006
10	M. Ed. (Educational Technology) Program	Interviewer	2006/2007	2006/2007
11	Pembimbing Program Latihan Mengajar	Pensyarah	2006/2007	2006/2007
12	Undegraduate Courses (Computer Science)	Coordinator	2006/2007	2006/2007
13	Program Sarjana Muda Sains & Komputer Serta Pendidikan (Matematik) (SPT)	Penasihat Akademik	2006/2007	2006/2007
14	Jawatankuasa Projek Sarjana Muda, Fakulti Pendidikan	Koordinator & Penilai	2006/2007	2006/2007
15	Pembimbing Program Latihan Mengajar 2007/2008	Pensyarah Pembimbing	2007/2008	2007/2008
16	Projek Sarjana Muda SPACE	Panel Penilai	2007	2007

17	Program Sarjana Muda Sains & Komputer Serta Pendidikan (Kimia) (SPT)	Koordinator	2007/2008	2007/2008
18	Koordinator Pelajar Pertandingan National Research and Innovation Competition 2007 (NRIC), USM Penang	Koordinator	2007	2007
19	Akademik Kualiti bagi Program Sarjana Muda Sains & Komputer Serta Pendidikan (Kimia) (SPK)	Penyelaras	2007	2007
20	Jawatankuasa UTM OpenCouseware (OCW) Committee, CTL, UTMLead	Jawatankuasa Utama	2013	2015
21	Jawatankuasa UTM Student-to-Student Edutainment, CTL, UTMLead	Jawatankuasa Utama	2013	2015
22	Jawatankuasa UTM MOOCs, CTL, UTMLead	Jawatankuasa Utama	2014	2015
23	International Service Learning Committee for Faculty of Education, UTM & Universitas Muhammadiyah	Jawatankuasa Utama	2016	2016
24	Jawatankuasa UTM MOOC (Massive Open Online Courses), CTL, UTMLead	Jawatankuasa Utama	2016	2018

### UNIVERSITY APPOINTMENT AS SPEAKER / FACILITATOR

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Bengkel E-Learning Pensyarah Fakulti Pendidikan Sem 2 Sesi 2005/2006, Fakulti Pendidikan, UTM	Facilitator	4 <sup>th</sup> Jan 2005	4 <sup>th</sup> Jan 2005
2	Kursus Asas Pembangunan Aplikasi Multimedia Pendidikan (PPP 213), Pusat Pengajaran dan Pembelajaran (CTL), UTM	Speaker & Facilitator	1 <sup>st</sup> Aug 2005	2 <sup>nd</sup> Aug 2005
3	Kursus Asas Pembangunan Aplikasi Multimedia Pendidikan (THR 01), Pusat Pengajaran dan Pembelajaran (CTL), UTM	Facilitator	1 Mac 2006	2 Mac 2006
4	E-Thesis – Projek Sarjana Muda untuk Program Pengajian Sepenuh Masa (SPACE), Pusat SPACE, UTM (Kuala Lumpur)	Speaker	14 <sup>th</sup> Oct 2006	14 <sup>th</sup> Oct 2006
5	E-Thesis – Projek Sarjana Muda untuk Program Pengajian Sepenuh Masa (SPACE), Pusat SPACE, UTM (Johor Bahru)	Speaker	14 <sup>th</sup> Nov 2006	14 <sup>th</sup> Nov 2006
6	E-Thesis – Projek Sarjana Muda sesi 2006/2007, Fakulti Pendidikan, UTM	Speaker	14 <sup>th</sup> Nov 2006	14 <sup>th</sup> Nov 2006
7	Kursus Macromedia Flash, Fakulti Pendidikan, UTM	Facilitator	11 <sup>th</sup> March 2006	11 <sup>th</sup> March 2006
8	Kursus SPSS (Asas) Fakulti Pendidikan, UTM	Speaker & Facilitator	11 <sup>th</sup> Feb 2006	11 <sup>th</sup> Feb 2006
9	Kursus SPSS (Lanjutan) Fakulti Pendidikan, UTM	Facilitator	15 <sup>th</sup> Feb 2006	15 <sup>th</sup> Feb 2006
10	E-Thesis – Projek Sarjana Muda II sesi 2006/2007 untuk Program Pengajian Sepenuh Masa (SPACE), Pusat SPACE, UTM Kuala Lumpur	Speaker	17 <sup>th</sup> Mac 2007	17 <sup>th</sup> Mac 2007
11	E-Thesis – Projek Sarjana Muda II sesi 2006/2007 untuk Program Pengajian Sepenuh Masa (SPACE), Pusat SPACE, UTM Penang	Speaker	18 <sup>th</sup> Mac 2007	18 <sup>th</sup> Mac 2007

12	Kursus Mengoptimumkan Penggunaan Perisian Persembahan Elektronik bagi Tujuan Pengajaran dan Pembelajaran (P&P), Makmal Komputer 1, CTL, UTM	Speaker & Facilitator	24 <sup>th</sup> April 2007	25 <sup>th</sup> April 2007
13	e-Learning (Moodle) basic and advanced, Center for Teaching and Learning (CTL), UTMLead	Speaker and Facilitator	2014	2014
14	Open Courseware (OCW) Content Development, Center for Teaching and Learning (CTL), UTMLead	Speaker and Facilitator	2014	2014
15	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2014	2014
16	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2015	2015
17	e-Learning (Moodle) basic and advanced, Center for Teaching and Learning (CTL), UTMLead	Speaker and Facilitator	2015	2015
18	Open Courseware (OCW) Content Development, Center for Teaching and Learning (CTL), UTMLead	Speaker and Facilitator	2015	2015
19	Effective Multimedia Creative Presentation, Center for Teaching and Learning (CTL), UTMLead	Speaker and Facilitator	2015	2015
20	Effective Communication using Social Network, Center for Teaching and Learning (CTL), UTMLead	Speaker	2015	2015
21	Active Learning Using Technology, Center for Teaching and Learning (CTL), UTMLead	Speaker	2015	2015
22	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2016	2016
23	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2017	2017
24	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2018	2018
24	Sijil Pengajaran Pengajian Tinggi (SPPT), Center for Teaching and Learning (CTL), UTMLead	Speaker	2019	2019
25	Basic Online learning and Managing Online Lecture	Speaker	24 <sup>th</sup> Mac 2020	24 <sup>th</sup> Mac 2020
26	Bengkel Pembangunan Kursus Umum Universiti Secara MOOC Bagi Program Prasiswazah Utm	Speaker	1 <sup>st</sup> Sept 2020	3 <sup>rd</sup> Sept 2020
27	Baseline Competencies For Differentiate Career Pathways Course, Center for Teaching and Learning (CTL), UTMLead	Speaker	17 <sup>th</sup> Aug 2020	18 <sup>th</sup> Aug 2020
28	Baseline Competencies For Differentiate Career Pathways Course, Center for Teaching and Learning (CTL), UTMLead	Speaker	14 <sup>th</sup> Sept 2020	15 <sup>th</sup> Sept 2020

**NATIONAL COMMITTEE**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Jawatankuasa Dasar E-Pembelajaran (DePAN), Jabatan Pengajian Tinggi, Malaysia	Member	1 <sup>st</sup> Nov 2013	30 <sup>th</sup> Oct 2015
2	The Malaysian e-Learning Council for Public Universities (MEIPTA) Committee	Member	1 <sup>st</sup> Nov 2013	30 <sup>th</sup> Oct 2015

**NATIONAL/STATE APPOINTMENT**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	"Computer Literate Programme" for staff from Senai Airport Sdn. Bhd., Johor Bahru	Speaker and Facilitator	2 <sup>nd</sup> Ogos 2007	4 <sup>th</sup> Ogos 2007
2	Awareness and Basic Design of Malaysia MOOCS for Universiti Malaysia Kelantan (UMK)	Speaker	2015	2015
3	Design and Development Process of Malaysia MOOCS for Universiti Tun Hussein Onn Malaysia (UTHM)	Speaker	2015	2015
4	Service Learning Program: Network Cable And Wifi Installation for SMK Sultanah Engku Tun Aminah)	Speaker and Advisor	1 <sup>st</sup> Oct 2015	15 <sup>th</sup> Jan 2016
5	Service Learning: 21st Century New Emerging Learning Technologies - Sek Keb Taman Mutiara Rini (Learning Living Skills).	Speaker and Advisor	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016
6	Service Learning: 21st Century New Emerging Learning Technologies - Sek. Jen. Keb. Tamil Permas Jaya (Learning Science)	Speaker and Advisor	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016
7	Service Learning: Projek Rangkaian Komputer Dan Wifi SMK Air Tawar	Speaker and Advisor	20 <sup>th</sup> Nov 2016	19 <sup>th</sup> Dec 2016
8	Projek Pengkabelan Rangkaian Komputer & Wifi @ TVET Computer Lab, UTM	Speaker and Advisor	17 <sup>th</sup> April 2016	9 <sup>th</sup> May 2016
9	Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Bagi Pengaksesan Pembelajaran Abad-21: Smk Sultanah Engku Tun Aminah & SMK Air Tawar	Speaker and Advisor	12 <sup>th</sup> Feb 2017	22 <sup>nd</sup> Jun 2017
10	Program Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Sekolah Bagi Pengaksesan Pembelajaran Abad Ke-21: Sek. Men. Keb. Sultanah Engku Tun Aminah & Sek Keb Pengkalan Rinting	Speaker and Advisor	10 <sup>th</sup> Sept 2017	31 <sup>st</sup> Dec 2017
11	Service Learning Programme for Computer Network Infrastructure Upgrades - SMK Sultanah Engku Tun Aminah	Speaker and Advisor	1 <sup>st</sup> May 2018	30 <sup>th</sup> April 2019
12	Service Learning Program for Network Cable And Wifi Installation - SMK Sultanah Engku Tun Aminah	Speaker and Advisor	1 <sup>st</sup> Oct 2015	15 <sup>th</sup> Jan 2016
13	Service Learning for 21st Century New Emerging Learning Technologies - Sek Keb Taman Mutiara Rini (Learning Living Skills)	Speaker and Advisor	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016

14	Service Learning for 21st Century New Emerging Learning Technologies - Sek. Jenis Keb. Tamil Permas Jaya (Learning Science)	Speaker and Advisor	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016
15	Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Bagi Pengaksesan Pembelajaran Abad-21: Smk Sultanah Engku Tun Aminah & SMK Air Tawar	Speaker and Advisor	12 <sup>th</sup> Feb 2017	22 <sup>nd</sup> Jun 2017
16	Program Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Sekolah Bagi Pengaksesan Pembelajaran Abad Ke-21: Sek Men Keb Sultanah Engku Tun Aminah & Sek Keb Pengkalan Rinting	Speaker and Advisor	10 <sup>th</sup> Sept 2017	31 <sup>st</sup> Dec 2017
17	Service Learning Programme for New Emerging Technologies For 21st Century Learning: SMK Mutiara Rini & SMK SETA	Speaker and Advisor	12 <sup>th</sup> Feb 2017	31 <sup>st</sup> May 2017
18	Service Learning Programme - Multimedia Design For Stamp And Philately	Speaker and Advisor	10 <sup>th</sup> Mac 2018	30 <sup>th</sup> Mac 2018
19	Service Learning Programme for Computer Network Infrastructure Upgrades - SMK Sultanah Engku Tun Aminah	Speaker and Advisor	1 <sup>st</sup> May 2018	20 <sup>th</sup> May 2018
20	Service Learning Program for Computer Network Infrastructures Setup For Sek Keb Taman Mutiara Rini	Speaker and Advisor	1 <sup>st</sup> April 2018	30 <sup>th</sup> April 2018
21	Service Learning Program for Fun Learning With Multimedia Creative And Technology	Speaker and Advisor	20 <sup>th</sup> Jan 2019	20 <sup>th</sup> Feb 2019
22	Program Akademik Service Learning Bagi Pembelajaran Abad Ke-21 Berpusatkan STREAM di SK Tanjung Surat	Speaker and Advisor	30 <sup>th</sup> Jan 2019	15 <sup>th</sup> Mac 2019
23	Program Pembelajaran Servis bagi Rekabentuk Multimedia Interaktif SMK Mutiara Rini	Speaker and Advisor	01 <sup>st</sup> Feb 2019	15 <sup>th</sup> Mac 2019
24	Computer Network Installation For 21 <sup>st</sup> Century Learning	Speaker and Advisor	17 <sup>th</sup> Mac 2020	30 <sup>th</sup> Mac 2020

### **INTERNATIONAL APPOINTMENT COMMITTEE**

<b>NO</b>	<b>NAME OF COMMITTEE</b>	<b>ROLE</b>	<b>STARTING DATE</b>	<b>ENDING DATE</b>
-				

### **SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES**

<b>NO</b>	<b>NAME OF ACTIVITIES</b>	<b>PLACE OF ACTIVITIES</b>	<b>STARTING DATE</b>	<b>ENDING DATE</b>
-				

## RESEARCH ACTIVITIES

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Research University Grant (RUG)	Project Member	The Effectiveness of Learning Multiplication Using The Karaoke Technique With The Help Of Learning Materials In The Form Of VCD	University Grant	15,000	1 <sup>st</sup> June 2000	31 <sup>st</sup> Dec 2001	71603
2	Research University Grant (RUG)	Project Member	Penyelidikan E-Supervision Dalam Program Latihan Praktik Fakulti Pendidikan, UTM	University Grant	16,000	1 <sup>st</sup> Jan 2003	31 <sup>st</sup> Dec 2003	71920
3	Research University Grant (RUG)	Project Member	Effectiveness Of Learning A Goal Programming Software Using A Screen Capture Software	University Grant	18,000	1 <sup>st</sup> Jan 2006	31 <sup>st</sup> Dec 2006	71923
4	Sosial Science Research: Bahagian Teknologi Pendidikan	Project Member	Persediaan Pelajar dan Guru Sekolah Menengah di Malaysia terhadap Pengajaran dan Pembelajaran menerusi Teknologi	Bahagian Teknologi Pendidikan, KPM Grant	58,000	1 <sup>st</sup> April 2007	30 <sup>th</sup> Nov 2007	-
5	Dana Pembangunan Pengajaran CTL Grant	Project Member	Pembangunan Pengujian Adaptif Berbantuan Komputer Berasaskan Latih Tubi Untuk Pengajaran Subjek Pengenalan Kepada Pengaturcaraan Komputer	University Grant	5,000	1 <sup>st</sup> July 2007	31 <sup>st</sup> July 2008	76548
6	Dana Pembangunan Pengajaran CTL Grant	Project Member	Pembangunan Sistem Pembelajaran Pengaturcaraan Komputer Berasaskan Strategi Penyelesaian Masalah	University Grant	4,500	1 <sup>st</sup> July 2007	31 <sup>st</sup> July 2008	76550
7	Research University Grant (RUG) – Tier 1	Project Member	Framework of Metacognitive Scaffolding In Learning Through	University Grant	127,000	1 <sup>st</sup> April 2011	31 <sup>st</sup> March 2013	Q.J130000.2531.00H17

			A Social Networking Tool					
8	Research University Grant (RUG) – Tier 2	Project Member	Pembangunan Instrumen Bagi Mengukur Kreativiti Pelajar Perguruan Di Malaysia	University Grant	40,000	1 <sup>st</sup> Apr 2011	31 <sup>st</sup> July 2012	Q.J130000.2631.00J01
9	Research University Grant (RUG) – Tier 2	<b>Project Leader</b>	Kerangka Profil Kontinum Pemikiran Visual Pelajar Menerusi Persekitaran Pembelajaran Autentik Bervisualisasi	University Grant	32,000	1 <sup>st</sup> Dec 2012	31 <sup>st</sup> Dec 2013	Q.J130000.2631.08J07
10	Dana Pembangunan Pengajaran CTL Grant	Project Member	Pembangunan Persekitaran Pembelajaran Maya Berbantuan Agen Pedagogi Beranimasi Bagi Kursus Authoring Language di Fakulti Pendidikan, UTM	University Grant	14,000	1 <sup>st</sup> Aug 2012	31 <sup>st</sup> July 2013	A.J160000.7731.4J088
11	Research University Grant (RUG) – Tier 2	Project Member	Online Supportive Social Interactions Among Students In Malaysian Higher Education Institution	University Grant	32,000	1 <sup>st</sup> Dec 2012	31 <sup>st</sup> Dec 2013	Q.J130000.2631.07J86
12	Dana Pembangunan Pengajaran CTL Grant	Project Member	Model For Teaching Using Video Based on Cognitive Load Theory	University Grant	15,000	1 <sup>st</sup> Aug 2012	31 <sup>st</sup> July 2013	A.J160000.7716.4J071
13	UTM R&D Fund	<b>Project Leader</b>	Penggunaan Pemingkatan Peta Minda Dalam Menyokong Pembentukan Komunikasi Visual Pelajar	University Grant	10,000	1 <sup>st</sup> Aug 2012	31 <sup>st</sup> July 2013	A.J160000.7731.4J087
14	Fundamental Research Grant Scheme (FRGS )	<b>Project Leader</b>	Platform Proses Aktiviti Pembelajaran Dalam Persekitaran Autentik Bervisualisasi Berdasarkan Kepada Kontinum Pemikiran Visual	Ministry of Education (MOE)	52,200	16 <sup>th</sup> Dec 2013	15 <sup>th</sup> July 2015	R.J130000.7816.4F359

			Dalam Kalangan Kanak-Kanak Sindrom Down					
15	Fundamental Research Grant Scheme (FRGS)	Project Member	An Investigation to Integrate Individual And Social Creativity In Promoting Human-Computer Interface Designing Skill Through Computer-Supported Collaborative Learning	Ministry of Education (MOE)	47,300	16 <sup>th</sup> Dec 2013	1 <sup>st</sup> Dec 2015	R.J130000.7816.4F297
16	Research Grant Scheme (FRGS)	Project Member	Technology-Enhanced Knowledge Community Model For Promoting Critical Thinking	Ministry of Education (MOE)	50,000	1 <sup>st</sup> April 2013	31 <sup>st</sup> March 2015	R.J130000.7831.4F171
17	Research University Grant (RUG) – Tier 1	Project Member	Students' Holistic Learning Process Through Social Networking Site In Higher Education	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2015	Q.J130000.2531.09H30
18	Fundamental Research Grant Scheme (FRGS)	Project Member	Development Of Model For Learning Science Using Cognitive Conflict Video Based Instruction To Overcome Student Misconception	Ministry of Education (MOE)	68,200	1 <sup>st</sup> July 2014	30 <sup>th</sup> Jun 2016	R.J130000.7831.4F456
19	UTM Research and Development Fund	Project Member	Impak Pelaksanaan Program Pusat Pengajaran Dan Pembelajaran Terhadap Pengajaran Dan Pencapaian Staf Akademik UTM	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7316.4J141
20	Dana Pembangunan Pengajaran CTL Grant	Project Member	Peer Tutoring Teaching Model In Social Networking Sites To Enhance Students' Critical Thinking Among Higher Education Students	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7731.4J132
21	UTM R&D Fund	Project Member	An Integrated Framework For Massive Open Online Courses (MOOCs) In UTM	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7708.4J142



22	UTM R&D Fund	Project Member	Learning Analytics: Predicting Postgraduate Students Graduation, Research Management Center, Universiti Teknologi Malaysia	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7731.4J129
23	Flagship	Project Member	Effectiveness Of Teaching Highway Engineering Using MOOCs	Project EPFFL Switzerland MOOCs For Civil	50,000	1 <sup>st</sup> Dec 2014	30 <sup>th</sup> Nov 2015	Q.J130000.2422.02G89
24	UTM R&D Fund	Project Member	Pembentukan Kemahiran Insaniah Pelajar Menerusi Pembelajaran Teradun Dalam Persekitaran E-Autentik Bervisual	University Grant	10,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7716.4J135
25	Dana Pembangunan an Pengajaran CTL Grant	Project Member	An Implementation of Edutainment To Promote Generic Skills Among Undergraduate	University Grant	20,000	1 <sup>st</sup> July 2014	30 <sup>th</sup> June 2016	R.J130000.7731.4J131
26	UTM Encouragement Grant	Project Member	Personalized Mobile Learning Apps Based On Learning Orientations	University Grant	20,000	1 <sup>st</sup> May 2015	31 <sup>st</sup> July 2016	Q.J130000.2631.11J08
27	UTM R&D Fund	Project Member	Strategi Pengajaran Dan Pembelajaran Berasaskan Masalah Melalui Open Online Course (MOOCs) Ke Arah Peningkatan Daya Cipta Dan Kreativiti Dalam Rekabentuk	University Grant	15,000	1 <sup>st</sup> June 2015	31 <sup>st</sup> May 2017	R.J130000.7706.4J164
28	Dana Pembangunan an Pengajaran CTL Grant	<b>Project Leader</b>	Visual Authentic Learning Environment Through Flipped Classroom Strategy In UTM-MOOC (Massive Open Online Courses)	University Grant	20,000	1 <sup>st</sup> June 2015	31 <sup>st</sup> May 2017	R.J130000.7731.4J172

	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning Program: Network Cable And Wifi Installation - SMK Sultanah Engku Tun Aminah	Co-Curriculum and Service Learning (CCSL UTM) & PIBG SMK SETA	2,290	1 <sup>st</sup> Oct 2015	15 <sup>th</sup> Jan 2016	S.J130000.7331.4X183
29	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning: 21st Century New Emerging Learning Technologies - Sek Keb Taman Mutiara Rini (Learning Living Skills)	Co-Curriculum and Service Learning (CCSL UTM) & PIBG SKTMR	2,550	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016	S.J130000.7331.4X204
30	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning: 21st Century New Emerging Learning Technologies - Sek. Jen. Keb. Tamil Permas Jaya (Learning Science)	CoCurriculum and Service Learning (CCSL UTM) & PIBG SJK (T) PJ	1,970	10 <sup>th</sup> Oct 2016	15 <sup>th</sup> Dec 2016	S.J130000.7331.4X193
32	UTM Networking Grant (NG)	Project Member	Service Learning: Projek Rangkaian Komputer Dan Wifi SMK Air Tawar	CoCurriculum and Service Learning (CCSL UTM) & PIBG SMKAT	1,315	20 <sup>th</sup> Nov 2016	19 <sup>th</sup> Dec 2016	S.J130000.7331.4X200
32	UTM Networking Grant (NG)	Project Member	Program Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Blok N30	CoCurriculum and Service Learning (CCSL UTM) & Faculty Of Education	1,420	17 <sup>th</sup> April 2016	9 <sup>th</sup> May 2016	S.J130000.7331.4X156
33	Research University Grant (RUG) – Tier 2	Project Member	Improving Student Learning Outcomes With Service Learning In Scenario Based Learning	University Grant	10,000	1 <sup>st</sup> Oct 2016	30 <sup>th</sup> Sept 2017	Q.J130000.2631.12J80
34	Research University Grant (RUG) – Tier 2	Project Member	Kerangka Panduan Pelaksanaan Service Learning Mahasiswa UTM: Green School Project	University Grant	10,000	1 <sup>st</sup> Oct 2016	30 <sup>th</sup> Sept 2017	Q.J130000.2631.11J85
35	Fundamental Research Grant Scheme (FRGS)	Project Member	Conceptual Business Model For Sustainable Online Tutoring For Secondary Education In Malaysia	Ministry of Education (MOE)	50,000	1 <sup>st</sup> Aug 2016	21 <sup>st</sup> July 2018	R.J130000.7831.4F843
36	Dana Pembangunan	Project Member	Elevating Students' Visual Thinking Continuum Through Service	University Grant	10,000	15 <sup>th</sup> July 2016	30 <sup>th</sup> June 2018	R.J130000.7731.4J238

	Pengajaran CTL Grant		Learning In Authentic Learning Environment: Management Of Computer Network and 3Telecommunication Course					
37	UTM Networking Grant (NG)	<b>Project Leader</b>	Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Bagi Pengaksesan Pembelajaran Abad-21: Smk Sultanah Engku Tun Aminah & SMK Air Tawar	CoCurriculum and Service Learning (CCSL UTM) and PIBG SMK SETA	8,150	12 <sup>th</sup> Feb 2017	22 <sup>nd</sup> Jun 2017	S.J130000.7331.4X277
38	UTM Networking Grant (NG)	<b>Project Leader</b>	Program Pembelajaran Servis Pengkabelan Rangkaian Komputer & Wifi Sekolah Bagi Pengaksesan Pembelajaran Abad Ke-21: Sek Men Keb Sultanah Engku Tun Aminah & Sek Keb Pengkalan Rinting	CoCurriculum and Service Learning (CCSL UTM), PIBG SMK SETA & PIBG SKPK	8,980	10 <sup>th</sup> Sept 2017	31 <sup>st</sup> Dec 2017	S.J130000.7331.4X278
39	Research University Grant (RUG) – Tier 2	Project Member	Hots Framework For Mathematics Using Online Learning Environment	University Grant	10,000	1 <sup>st</sup> July 2017	30 <sup>th</sup> Sept 2018	Q.J130000.2631.14J30
40	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning Programme: New Emerging Technologies For 21st Century Learning: SMK Mutiara Rini & SMK SETA	CoCurriculum and Service Learning (CCSL UTM), PIBG SMK Mutiara Rini & PIBG SMK SETA	7,080	12 <sup>th</sup> Feb 2017	31 <sup>st</sup> May 2017	S.J130000.7353.4X373
41	Research University Grant (RUG) – Tier 2	Project Member	Keberkesanan Gabung Jalinan Pembelajaran Berasaskan Projek Dan Flipped Classroom Terhadap Pencapaian Pelajar Dalam Subjek Matematik	University Grant	10,000	1 <sup>st</sup> July 2017	30 <sup>th</sup> June 2018	Q.J130000.2631.14J01

42	Prototype Research Grant Scheme (PRGS)	Project Member	Prototype Development of Mobile Applications With an Embedded Sign Language Video for Hearing Impaired Students Learning Science	Ministry of Education (MOE)	61,480	15 <sup>th</sup> Aug 2017	14 <sup>th</sup> Aug 2019	R.J130000.7810.4L683
43	Research University Grant (RUG) – Tier 1	Project Member	Interaction-Performance Predictive Model In Social Collaborative Problem-Based Learning Environment To Enhance Students Critical Thinking Skills, Research Management Center	University Grant	39,700	1 <sup>st</sup> July 2017	30 <sup>th</sup> June 2019	Q.J130000.2531.16H55
44	Prototype Research Grant Scheme (PRGS)	Project Member	Development of a Prototype System for Implementing Virtual Design & Construction (VDC) Technologies in Quantity Extraction of Engineering Services in Green Building Projects	Ministry of Education (MOE)	84,800	15 <sup>th</sup> Aug 2017	14 <sup>th</sup> Aug 2019	R.J130000.7821.4L693
45	Fundamental Research Grant Scheme (FRGS)	Project Member	Faktor Penularan Ajaran Sesat Melalui Atas Talian Dalam Kalangan Masyarakat	Ministry of Education (MOE)	53,000	15 <sup>th</sup> Aug 2017	14 <sup>th</sup> Aug 2019	R.J130000.7831.4F950
46	Fundamental Research Grant Scheme (FRGS)	Project Member	A Model For Hots Cultivation Via Online Technology Enhanced Learning Environment Using Learning Analytic	Ministry of Education (MOE)	53,000	15 <sup>th</sup> Aug 2017	14 <sup>th</sup> Aug 2019	R.J130000.7831.4F952
47	Research University Grant (RUG) – Tier 1	Project Member	Pemerkasaan Sistem Pentaksiran Sumatif Sekolah Agama Kerajaan Negeri Johor	University Grant	30,000	1 <sup>st</sup> Feb 2018	31 <sup>st</sup> Jan 2020	Q.J130000.2501.19H24
48	Research University Grant (RUG) – Tier 2	Project Member	Penaakulan Etika Dan Moral Dalam Kalangan Bakal Guru	University Grant	10,000	1 <sup>st</sup> Feb 2018	30 <sup>th</sup> April 2019	Q.J130000.2631.15J01
49	Research University Grant (RUG) – Tier 1	Project Member	Pembangunan Modul Latihan Kemahiran	University Grant	30,000	1 <sup>st</sup> Feb 2018	31 <sup>st</sup> Jan 2020	Q.J130000.2508.20H45

			Vokasional Bagi Peningkatan Kebolehpasaran Pekerjaan Dalam Kalangan Belia Di Negeri Johor					
50	UTM Business Entity (BE)	<b>Project Leader</b>	Service Learning: Multimedia Design For Stamp And Philately	CoCurriculum and Service Learning (CCSL UTM), PIBG SKTMR & PIBG SKTMR2	5,000	10 <sup>th</sup> Mac 2018	20 <sup>th</sup> April 2019	S.J130000.7331.4X278
51	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning Programme: Computer Network Infrastructure Upgrades - SMK Sultanah Engku Tun Aminah	CoCurriculum and Service Learning (CCSL UTM), PIBG SMK SETA	3,750	1 <sup>st</sup> May 2018	30 <sup>th</sup> April 2019	S.J130000.7353.4X477
51	UTM Networking Grant (NG)	Project Member	Program International Service Learning Universitas Muhammadiyah Purwokerto Dan Universiti Teknologi Malaysia	Universitas Muhammadiyah -yah Purwokerto	30,000	16 <sup>th</sup> June 2017	07 <sup>th</sup> Aug 2017	S.J130000.7753.4X334
52	UTM Networking Grant (NG)	Project Member	Service Learning : Impact Project At Parit Marjunit, Benut, Pontian, Johor	YB Datuk Seri Haji Ahmad Bin Haji Maslan, Parlimen Pontian	11,225	11 <sup>th</sup> Feb 2018	7 <sup>th</sup> June 2018	S.J130000.7753.4X335
53	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning Program: Computer Network Infrastructures Setup For Sek Keb Taman Mutiara Rini	CoCurriculum and Service Learning (CCSL UTM), PIBG SKTMR	6,430	1 <sup>st</sup> April 2018	31 <sup>st</sup> Mac 2019	S.J130000.7353.4X471
54	UTM Networking Grant (NG)	Project Member	Learning Cities: We care We Share at Felda Adela, Kota Tinggi	JKKK Felda Adela	2,018	11 <sup>th</sup> Feb 2018	07 <sup>th</sup> June 2018	S.J130000.7353.4X374
55	UTM Networking Grant (NG)	Project Member	Johor Learning Cities; Service Learning at Sekolah Kebangsaan Nusa Perintis, SJKT Tajul, Kota Tinggi dan	Sekolah Jenis Kebangsaan Tamil Tajul, Kota Tinggi & SK Taman Nusa Perintis 1	10,882	11 <sup>th</sup> Feb 2018	07 <sup>th</sup> June 2018	S.J130000.7353.4X377

			Insted, Bandar Penawar, Johor					
56	UTM Networking Grant (NG)	<b>Project Leader</b>	Service Learning Program: Fun Learning With Multimedia Creative And Technology	CoCurriculum and Service Learning (CCSL UTM), PIBG Sek Keb Bandar Mas	3,950	20 <sup>th</sup> Jan 2019	31 <sup>st</sup> July 2019	S.J130000.7353.4X492
57	UTM Networking Grant (NG)	Project Member	Keselamatan Berbasikal ke Arah Kelestarian Bangsa Johor Bahagia di Iskandar Malaysia	UTM CCIN & Bangsa Johor Bahagia (BJB)	1,100	15 <sup>th</sup> Sept 2019	31 <sup>st</sup> Dec 2019	S.J130000.7353.4X502
58	UTM Networking Grant (NG)	<b>Project Leader</b>	Program Akademik Service Learning Bagi Pembelajaran Abad Ke-21 Berpusatkan STREAM: SK Tanjung Surat	CoCurriculum and Service Learning (CCSL UTM) & PIBG SK Tanjung Surat	5,700	20 <sup>th</sup> Jan 2019	01/06/2019	S.J130000.7353.4X493
59	UTM Networking Grant (NG)	<b>Project Leader</b>	Program Pembelajaran Servis: Rekabentuk Multimedia Interaktif SMK Mutiara Rini	CoCurriculum and Service Learning (CCSL UTM) & PIBG SMKMR	2,400	01 <sup>st</sup> Feb 2019	30 <sup>th</sup> July 2019	S.J130000.7353.4X503
60	UTM Networking Grant (NG)	Project Member	Enhancing Academic Performance of Secondary School Students Through Academic Camp	Madrasah Alattas AlArabiah Johor	14,772	31 <sup>st</sup> July 2019	31 <sup>st</sup> Oct 2019	S.J130000.7353.4X443
61	UTM Business Entity (BE)	Project Member	KTP-NMG 2019: Pemindahan Ilmu Kemahiran Pemikiran Komputasional Kepada Murid Daripada Keluarga Berpendapatan Rendah	UTM KTP-NMG Grant	5,000	1 <sup>st</sup> Feb 2019	31 <sup>st</sup> July 2019	S.J130000.0853.4Y174
62	UTM Prototype Research	Project Member	Prototype Development of Social Exercise Video On Fun And Fit Babywearing: Postpartum Exercise	University Grant	80,000	1 <sup>st</sup> Jan 2020	30 <sup>th</sup> June 2022	Q.J130000.2853.00L58
63	UTM Encouragement Research	<b>Project Leader</b>	Pengintegrasian Hibrid Pembelajaran	University Grant	51,000	01 <sup>st</sup> Oct 2020	30 <sup>th</sup> Sept 2022	Q.J130000.3853.18J82

			Servis Dalam Menyokong Kontinum Pemikiran Visualisasi Pelajar					
64	Fundamental Research Grant Scheme (FRGS)	Project Member	Immersive Blended Learning Pedagogical Framework based on the Education 4.0 Innovative Pedagogies for Higher Education	Ministry of Education (MOE)	65000	1 <sup>st</sup> Nov 2020	31 <sup>st</sup> Oct 2022	R.J130000.7853.5F301
65	Contract Research DTD	Project Member	Client's Satisfaction And Needs In Confronting Unpredictable Economic Situation	ATZ Consult Sdn Bhd	8,000	15 <sup>th</sup> Aug 2020	30 <sup>th</sup> April 2021	R.J130000.7653.4C392
66	UTM Networking Grant (NG)	<b>Project Leader</b>	Computer Network Installation For 21 <sup>st</sup> Century Learning	CoCurriculum and Service Learning (CCSL UTM) & SMKMR	3,400	17 <sup>th</sup> Mac 2020	30 <sup>th</sup> June 2020	S.J130000.7353.4X613
67	UTM KTP-RIG Grant	<b>Sub-Project Leader</b>	Pembangunan Dan Pelestarian Eco-Edu Pelancongan Inap Desa Kampung Parit Lapis Sempadan – <b>Sub Projek:</b> Mereka bentuk Program Pembelajaran Digital dalam Pembelajaran Alam Sekitar	University Grant	5,000 (20,000)	1 <sup>st</sup> Feb 2021	31 <sup>st</sup> Jan 2022	

## COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	Comprehensive Academic Development And Improvement Training Programme	Institut Pengajian Islam Pergas (IPIP), Singapore (International)	30/10/2020	30/09/2025
2	UTM-KPT Phd Synergy Proram	Kementerian Pengajian Tinggi (KPT) (National)	01/01/2015	31/01/2018

## TEACHING ACTIVITIES

### UNDERGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2/3)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2001/2002	2	SPT4182	Kaedah Mengajar Sains Komputer	2	01
		SPT2222	Reka Bentuk Perisian Multimedia	2	01
		SPT2222	Reka Bentuk Perisian Multimedia	2	02
		SPT1012	Teknologi Maklumat Dalam Pendidikan	2	01
2002/2003	1	SPT4102	Multimedia Dalam Pendidikan	2	01
		SPT4102	Multimedia Dalam Pendidikan	2	02
		SPT4102	Multimedia Dalam Pendidikan	2	03
		SPT4182	Kaedah Mengajar Sains Komputer	2	01
		SPT3632	Teknologi Multimedia	2	01
2002/2003	2	SPT4182	Kaedah Mengajar Sains Komputer	2	01
		SPT4182	Kaedah Mengajar Sains Komputer	2	02
		SPT4102	Multimedia Dalam Pendidikan	2	01
2003/2004	1	SPT4232	Pembangunan Multimedia	2	01
		SPT4102	Multimedia Dalam Pendidikan	2	01
		SPT4102	Multimedia Dalam Pendidikan	2	02
		SPT4182	Kaedah Mengajar Sains Komputer	2	01
2005/2006	1	SPT4442	Pembangunan Multimedia Berasaskan WEB	2	01
		SPT4442	Pembangunan Multimedia Berasaskan WEB	2	02
		SPT4442	Pembangunan Multimedia Berasaskan WEB	2	03
		SPM1012	Telekomunikasi Dan Rangkaian	2	01
		SPM4712	Kaedah Mengajar Sains Komputer	2	01
		MPT1183	Penerbitan Bahan Pengajaran	3	01
		MPT1193	Sistem Penggubahan	3	01
2005/2006	2	MPT1393	Pembangunan dan Penilaian Aplikasi Web	3	01
		SPT4442	Pembangunan Multimedia Berasaskan WEB	2	02
		SPM2102	Pengaturcaraan 1	2	01
		SPM2102	Pengaturcaraan 1	2	02
2006/2007	1	SPM4342	Pembangunan Multimedia Berasaskan WEB	2	01
		SPM2102	Pengaturcaraan 1	2	01
		SPM2102	Pengaturcaraan 1	2	02
		SPM2102	Pengaturcaraan 1	2	03
2006/2007	2	SPM4712	Kaedah Mengajar Sains Komputer	2	01
		SPM3122	Bahasa Pengaturcaraan III	2	01
		SPM3122	Bahasa Pengaturcaraan III	2	02
		SPM3112	Bahasa Pengaturcaraan II	2	01
		MPT1393	Pembangunan Multimedia Berasaskan Web	3	01
		SPM2102	Bahasa Pengaturcaraan I	2	01
2007/2008	1	SPM2102	Bahasa Pengaturcaraan I	2	02
		SPM4712	Kaedah Mengajar Sains Komputer	2	01
		SPM4342	Pembangunan Multimedia Berasaskan WEB	2	01
20011/2012	1	SPM3112	Bahasa Pengaturcaraan II	2	01
		SPM3112	Bahasa Pengaturcaraan II	2	02
		SPM4342	Pembangunan Multimedia Berasaskan Web	2	01
20011/2012	2	SPM3112	Bahasa Pengaturcaraan II	2	01
		SPM3112	Bahasa Pengaturcaraan II	2	02



		SPPM1303	Sistem Komputer Dan Multimedia	3	01
20012/2013	1	SPM4722	Keusahawanan Teknologi Maklumat Dan Komunikasi	2	01
		SPM4712	Kaedah Mengajar Sains Komputer	2	01
20012/2013	2	SPPM1012	Telekomunikasi Dan Rangkaian	2	01
		SPPM1012	Telekomunikasi Dan Rangkaian	2	01
20015/2016	2	SPPM1013	Telekomunikasi Dan Rangkaian	3	01
2016/2017	2	UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	01
		UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	02
2017/2018	1	UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	01
2017/2018	2	UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	01
		UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	02
2018/2019	1	SPPM4303	Pembangunan Perisian Multimedia	3	02
2018/2019	2	SPPM4712	Kaedah Mengajar Sains Komputer	2	01
		SPPP1032	Telekomunikasi Dan Rangkaian Komputer	2	05
		UKQA2072 /UKQF2062	Perkhidmatan ICT Untuk Komuniti	2	02
2019/2020	1	UKQA2072	Perkhidmatan ICT Untuk Komuniti	2	01
2019/2020	2	SHPP1702	Reka Bentuk Multimedia Dan Interaksi Manusia Komputer	2	01
		SPPP2343	Sistem Pengurusan Maklumat Dan Pembangunan Pangkalan Data	3	02
		UKQA2072 /UKQF2062	Perkhidmatan ICT Untuk Komuniti	2	01
2020/2021	1	SHPP1702	Reka Bentuk Multimedia Dan Interaksi Manusia Komputer	2	01
		SHPP1702	Reka Bentuk Multimedia Dan Interaksi Manusia Komputer	2	02
		SPPP2343	Sistem Pengurusan Maklumat Dan Pembangunan Pangkalan Data	3	01
		UKQA2072 /UKQF2062	Perkhidmatan ICT Untuk Komuniti	2	01
2020/2021	2	SHPP1702	Reka Bentuk Multimedia Dan Interaksi Manusia Komputer	2	02
		SPPP2343	Sistem Pengurusan Maklumat Dan Pembangunan Pangkalan Data	3	01
		SPPP2343	Sistem Pengurusan Maklumat Dan Pembangunan Pangkalan Data	3	03
		UKQA2072 /UKQF2062	Perkhidmatan ICT Untuk Komuniti	2	01
<b>TOTAL CREDIT HOUR</b>				<b>155</b>	

## POSTGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2/3)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
20012/2013	1	MPT1403	Introduction To Network System	3	01
20012/2013	2	MPT1403	Introduction To Network System	3	01
2013/2014	1	MPT1403	Introduction To Network System	3	01
2013/2014	2	MPT1403	Introduction To Network System	3	01
2014/2015	1	MPPP1353	Management Of Computer Network And Telecommunication	3	01
		MPT1403	Introduction To Network System	3	01

2014/2015	2	MPPU1003	Innovations In Learning And Teaching	3	01
		MPPP1203	Educational Technology Foundation And Research	3	01
20015/2016	1	MPT1403	Introduction To Network System	3	01
		MPT1393	Web Based Multimedia Development	3	01
		MPPP1353	Management Of Computer Network And Telecommunicatio	3	01
		MPU0020	Research Methods In Education	0	01
20015/2016	2	MPPP1353	Management Of Computer Network And Telecommunication	3	01
20016/2017	1	MPPP1203	Educational Technology Foundation And Research	3	01
		MPPU1003	Innovations In Learning And Teaching	3	04
		MPPP1403	Innovative Learning Environment	3	01
		MPPU1060	Research Methods And Data Analysis	0	01
2016/2017	2	MPPU1003	Inovasi Dalam Pembelajaran Dan Pengajaran	3	03
		MPPP1353	Pengurusan Rangkaian Komputer Dan Telekomunikasi	3	01
2017/2018	1	MPPP1203	Educational Technology Foundation And Research	3	01
		MPT1113	Foundation Of Educational Technology	3	01
		MPPP1353	Management Of Computer Network And Telecommunication	3	01
		MPPU1060	Research Methods And Data Analysis	0	01
2017/2018	2	MPPU1003	Innovations In Learning And Teaching	3	04
		MPPP1403	Innovative Learning Environment	3	01
		MPPU1060	Research Methods And Data Analysis	0	01
2018/2019	1	MPPP1353	Management Of Computer Network And Telecommunication	3	01
		MPPU1060	Research Methods And Data Analysis	0	01
2018/2019	2	MPPU1003	Innovations In Learning And Teaching	3	01
		MPPU1060	Research Methods And Data Analysis	0	01
2019/2020	3	MPPU1003	Innovations In Learning And Teaching	3	01
<b>TOTAL CREDIT HOUR</b>				75	

## SPACE PROGRAMME

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2001/2002	2	SPT2222	Reka Bentuk Perisian Multimedia	2	01
		SPT1002	Literasi Komputer	2	01
2002/2003	1	SPT2222	Reka Bentuk Perisian Multimedia	2	01
2002/2003	2	SPM1012	Telekomunikasi Dan Rangkaian	2	01
2003/2004	1	SPT4182	Kaedah Mengajar Sains Komputer	2	01
		SPM1012	Telekomunikasi Dan Rangkaian	2	01
2005/2006	1	SPM1702	Rekabentuk Pengajaran & Pembelajaran Perisian	2	01
		SPM2102	Bahasa Pengaturcaraan I	2	01
2005/2006	2	SPM3112	Bahasa Pengaturcaraan II	2	01
		SPM2102	Bahasa Pengaturcaraan I	2	01
2005/2006	3	SPT2012	Telekomunikasi Dalam Pendidikan	2	01
2006/2007	1	SPM4712	Kaedah Mengajar Sains Komputer	2	01
		SPM2102	Bahasa Pengaturcaraan I	2	01
2006/2007	3	SPM1702	Reka Bentuk Perisian Multimedia	2	01
2007/2008	1	SPM2102	Bahasa Pengaturcaraan I	2	01
2016/2017	1	SPM1012	Telekomunikasi Dan Rangkaian	2	01

2016/2017	2	SPM3112	Bahasa Pengaturcaraan I	2	01
		SPM3112	Bahasa Pengaturcaraan II	2	01
2017/2018	1	SPM3112	Bahasa Pengaturcaraan I	2	01
		SPM3112	Bahasa Pengaturcaraan II	2	01
2017/2018	2	SPM4712	Kaedah Mengajar Sains Komputer	2	01
2018/2019	1	SPPM4712	Kaedah Mengajar Sains Komputer	2	01
2018/2019	2	SPPM4712	Kaedah Mengajar Sains Komputer	2	01
2019/2020	2	SPPP1032	Telekomunikasi Dan Rangkaian Komputer	2	01
2020/2021	1	SPPM1702	Rekabentuk Perisian Multimedia	2	01
		SPPM1702	Rekabentuk Perisian Multimedia	2	02
<b>TOTAL CREDIT HOUR</b>				<b>52</b>	

## INDUSTRIAL/TEACHER TRAINING SUPERVISION

NO	NAME OF STUDENT	LEVEL (FACULTY/UTM/ NATIONAL/ INTERNATIONAL)	LOCATION	YEAR
1	Norfazilah binti Ghozali	Universiti Teknologi Malaysia	SMK Taman Kota Puteri	2005/2006
2	Siti Rohani binti Abdullah			
3	Noraini binti Ramlee	Universiti Teknologi Malaysia	SMK Kota Masai	2005/2006
4	Nurul Firdaus binti Mohamed Salleh	Universiti Teknologi Malaysia	SMK Taman Megah Ria	2005/2006
5	Mohd Hishamuddin bin Md Basar	Universiti Teknologi Malaysia	SMK Seri Kota Puteri 2	2005/2006
6	Normasuriani binti Mohd Noor			
7	Abdul Rahim bin Hasan	Universiti Teknologi Malaysia	SMK Desa Skudai	2006/2007
8	Erdiana binti Timmong			
9	Noor Murni binti Abdul Sukor	Universiti Teknologi Malaysia	SMK Majidi Baru	2007/2008
10	Norhayati binti Rahmat			
11	Siti Fatimah binti Mohammed	Universiti Teknologi Malaysia	SMK Dato Penggawa Timur	2007/2008
12	Ghandiswari A/P Paniandi			
13	Sri Dewi binti Rahimi			
14	Arinah binti Zaidan			
15	Salsya Laely Nutjannah	Universitas Muhammadiyah Purwokerto, Indonesia	SK Seri Taman Mutiara Rini	2017/2018
16	Zahara Yuyun Nailufar			
17	Yuni Susanti			
18	Zaidah binti Zulkifli	Universiti Teknologi Malaysia	Sek. Agama Taman Kota Masai 2	2019/2020
19	Noor Akma binti Kaman		Sek. Agama Taman Scientex	

## SUPERVISION

### PHD STUDENTS

#### Main Supervisor

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Mohd Munir Bin Hj. Baharom	Graduated 2015-2020	Pendidikan Sains Berasaskan Inkuiri Dengan Perancah Berinstruksi Menerusi Apps Dalam Meningkatkan Kemahiran Proses Sains Pelajar	2015
2	Azizah Binti Yusof	Notice Submission for Viva 2015 – 2021	Gamification in e-Service Learning To Support Student Behaviour Engagement and Mastery Graduate Attribute	2015
3	Valerie Bukas Anak Marcus	Ongoing 2018 – 2021	Hybrid Service Learning in Authentic Learning Environment for Promote Students Engagement	2018
4	Lim Wan Koon	Ongoing 2018 – 2021	Penguasaan Kemahiran Penulisan Kritis dan Kreatif Bahasa Melayu menerusi Web Interaktif berdasarkan Strategi Pembelajaran Autentik	2018
5	Irene Tiong Yee Ting	Ongoing 2020-2021	Inquiry Based Science Education To Promote Students' Critical Thinking Metacognition With Interactive Smart Board and Apps	2020

#### PHD CO SUPERVISOR

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Rohani Binti Abd Wahab	Graduated 2013-2017	Pembelajaran Geometri Tiga Dimensi Melalui Perisian Sketchup Make Bagi Mempertingkatkan Kemahiran Visual Spatial dan Tahap Pemikiran Geometri	2013
2	Mohd Nizam Binti Arshad	Graduated 2013-2018	Strategi Pembelajaran Pembezaan Berfokuskan Metakognitif Bagi Mempertingkatkan Penaaakuan Matematik	2013
3	Nor Delyliana Binti Admon	Ongoing 2013 – 2021	Penjanaan Kemahiran Berfikir Aras Tinggi Melalui Strategi Pemikiran Matematik Dalam Persekitaran Luar Bilik Darjah Bagi Topik Kebarangkalian	2013
4	Jacinta Johnny	Graduated 2014-2018	Developing the Questioning for Reasoning Strategy to Elevate Reasoning Skill Among Mathematical High Achievers	2014
5	Zurina Binti Hamid	Ongoing 2014 – 2021	Persekitaran Pembelajaran Autentik Dalam Meningkatkan Kemahiran Berfikir Aras Tinggi (KBAT) Dalam	2014

			Pembelajaran Bahasa Melayu Penulisan Menerusi Web	
6	Zulhelmi Bin Zulkpli	Viva Correction 2016 – 2021	Pendekatan Infusi Pembelajaran berasaskan Pemikiran Kritis dan Kreatif Matematik	2016

## MASTER STUDENTS

### MASTER BY RESEARCH (MAIN SUPERVISOR)

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Mohd Amerul Akmal Bin Mohd Yunus	Graduated 2014-2015	Pembelajaran Kolaboratif Dalam Persekitaran Autentik Berdasarkan Teknologi Apps Bagi Pembentukan Kemahiran Proses Sains Asas Prasekolah	2014
2	Umi Mastura Binti Abd Majid	Ongoing 2019-2021	Hibrid Pembelajaran Servis Dalam Menyokong Kontinum Pemikiran Visual Pelajar Dalam Pembelajaran Sains Komputer	2019

### MASTER BY RESEARCH (CO SUPERVISOR)

No	Name	Status (Graduated/Ongoing)	Title	Date
-				

### MASTER BY TAUGHT COURSE (MAIN SUPERVISOR)

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Valerie Bukas Anak Marcus	Graduated 2018	Improving Students' Learning Outcome Through E-Service Learning Program Based On Authentic Learning Strategy	2017
2	Nadiahtun Azreen Binti Othman	Graduated 2018	Pengintegrasian Laman Web Pembelajaran Servis Berasaskan Persekitaran Autentik Dalam Pembentukan Kontinum Pemikiran Visual Pelajar	2017
3	Gan Pei Chin	Graduated 2018	Three-Dimensional Geometry Through Multimedia Interactive Software In Promoting Students' Geometric Thinking	2017
4	Tan Geok Tin	Graduated 2018	Integrating Animation In Chinese Character Writing Based on Cognitive Theory Of Multimedia Learning To Promote Pupils Writing Skills	2017
5	Cai Yun Loo	Graduated 2018	Promoting Students' Visual Thinking in English Education Based on Visual Thinking Strategy Through English Software	2017
6	Muna 'Adilah Binti Abdul Halim	Graduated 2018	The Effects Of Social Media On Japanese Language Learning Using The Connectivism Theory	2017

7	Irene Tiong Yee Ting	Graduated 2019	Integrating Classroom Technology Based on Critical Thinking Strategy to Promote Critical Thinkers in Learning Science	2018
8	Thruchelvam Shalawat Kanmany	Submit Thesis 2020	The Impact on Social Interaction Through Economics Mobile Learning Based on Connectivism Theory Among Upper Secondary Students in International School	2019
9	Nurul Huda Binti Umar	Submit Thesis 2021	Learning Activities Based on Social Constructivism Theory to Promote Social Interaction and Student's Performance Through Social Media	2020
10	Norlaila Binti Ariffin	Ongoing 2021	Aktiviti Pembelajaran Sains Berdasarkan Kontinum Pemikiran Visual Menerusi Web Dalam Pembentukan Kemahiran Proses Sains Pelajar	2020

### MASTER BY TAUGHT COURSE (CO SUPERVISOR)

No	Name	Status (Graduated/ Ongoing)	Title	Date
-				

### MASTER BY MIX MODE (MAIN SUPERVISOR)

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Abdul Kadir Bin Abdul Wahab	Graduated 2014	Kajian Penggunaan ICT Di Sekolah Bestari Menerusi Model CIPP	2013
2	Mohd Nizar Bin Mohd Amir	Graduated 2020	Aktiviti Pembelajaran Autentik Berdasarkan Kontinum Pemikiran Visual Dalam Pembentukan Ingatan Kerja Kanak-Kanak Sindrom Down	2017

### MASTER BY MIX MODE (CO SUPERVISOR)

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Mahfudz Bin Miskam	Graduated 2014	Pendekatan Pembelajaran Koperatif dan Penggunaan Video Animasi 3D Dalam Pembelajaran Bahasa Melayu Penulisan	2013
2	Md Azhan Bin Md Nasir	Graduated 2015	Pengimplementasian e-Portfolio Berteraskan Strategi Pembelajaran Kolaboratif Dalam Penyediaan Bahan Pentaksiran Berasaskan Sekolah (PBS)	2014

## UNDERGRADUATE STUDENTS

### MAIN SUPERVISOR

No	Name	Status (Graduated/ Ongoing)	Title	Date
1	Nur Idayu Bt. Rosni	Graduated	Pembangunan Sistem Maklumat Inventori Makmal Kimia Sekolah Berasaskan web	2005 /2006
2	Rohana Bt. Abdul Wahab	Graduated	Pembangunan Bahan Bantu Mengajar Menerusi Animasi Berkomputer Bagi Tajuk Jirim, Kimia Tingkatan Empat	2005 /2006
3	Suhailah Bt. Nor Asim	Graduated	Pembangunan CD-ROM: Bahan Bantu Mengajar Berbentuk Latihan Berkomputer Bagi Tajuk Pengenalan Kepada Pengaturcaraan Dalam Konteks Bahasa C++.	2005 /2006
4	Junainah Bt. Buhari	Graduated	Pembangunan Perisian Bahan Bantu Mengajar Berkomputer Berdasarkan Strategi Konstruktivisme Bagi Topik Panduan Mengajar Sains Komputer Dalam Saiz Kumpulan Berbeza	2005 /2006
5	Poey Sok Hua	Graduated	Pembangunan Perisian BBM Berasaskan Animasi Berkomputer Bagi Simulasi Teori Kinetik Jirim (Mata Pelajaran Fizik KBSM Tingkatan Empat)	2005 /2006
6	Hiew Yee Fun	Graduated	Faktor-Faktor Yang Mempengaruhi Penggunaan E-Learning Di Kalangan Pelajar Tahun Lima, Fakulti Pendidikan, UTM	2005 /2006
7	Noraini Bt. Mohd Lazim	Graduated	Pembangunan Prototaip Laman Web Sebagai Bahan Bantu Mengajar Bagi Tajuk "Penggunaan Internet Dalam Pengajaran Dan Pembelajaran"	2005 /2006
8	Nor Shafarina binti Sakir	Graduated	Penambahbaikan Pembangunan MPK bagi Pengaturcaraan HTML Serta Kajian Penerimaan Penggunaannya	2007 /2008
9	Ayuni Farhana Binti Ab Kadir	Graduated	Pembangunan Sistem Adaptif Bagi Subjek Bahasa Pengaturcaraan C++	2007 /2008
10	Khoo Vee Lynn	Graduated	Keberkesanan Subjek Sains Komputer Tawaran Fakulti Pendidikan, UTM Terhadap Kemahiran Generik Pelajar	2007 /2008
11	Siti Nur'ain Binti Mohd Said	Graduated	Pembangunan Laman Web Berasaskan Pendekatan Pemikiran Kritis Dan Penyelesaian Masalah Bagi Subjek Bahasa Pengaturcaraan I (C++)	2007 /2008
12	Siti Khatijah Binti Naraman	Graduated	Penerimaan Guru Pelatih Terhadap Penggunaan PPBK: Kajian Kes Terhadap Guru Pelatih, Fakulti Pendidikan, Universiti Teknologi Malaysia	2007 /2008
13	Mohd Sham Bin Zakaria	Graduated (PKPG Program)	Pembangunan Laman Web Bagi Bahasa Pengaturcaraan C++ Berdasarkan Reka Bentuk Teori Beban Kognitif	2007 /2008
14	Yakub Bin Jamaludin	Graduated (PKPG Program)	Pembangunan E-Kamus Bagi Javascript Berdasarkan Reka Bentuk Teori Beban Kognitif	2007 /2008
15	T. Komate A/P Tambai	Graduated (PKPG Program)	Penerimaan Pelajar Terhadap Penggunaan Modul Pembelajaran Kendiri Berdasarkan Reka Bentuk Teori Beban Kognitif Bagi Subjek Pengaturcaraan Web	2007 /2008
16	Mohd Ariff Bin Badarudin	Graduated (PKPG Program)	Pembangunan Laman Web Bagi Subjek Bahasa Pengaturcaraan I C++ Berdasarkan Strategi Pembelajaran Berasaskan Situasi	2007 /2008

17	Tee Kim Cheng	Graduated (PKPG Program)	Pembangunan Pembelajaran Berbantuan Komputer Bagi Asas Pembangunan Laman Web Menggunakan Microsoft Frontpage Berasaskan Reka Bentuk Teori Beban Kognitif	2007 /2008
18	Goh Sze Wei	Graduated (PKPG Program)	Pembangunan Laman Web Berasaskan Pembelajaran Autentik Bagi Topik Pemformatan Laman Web, Tag HTML Dan Penggunaan Jadual	2007 /2008
19	Maizatul Akmalia Binti Mohd Arifin	Graduated	Pembangunan Laman Web Bagi Pembelajaran Frontpage Bertajuk Aplikasi Behavior, Navigasi Dan Komponen Web Berasaskan Persekitaran Pembelajaran Autentik	2007 /2008
20	Norsheela Binti Othman	Graduated	Modul Pembelajaran Kendiri Bagi Topik Jadual, Bingkai Dan Templat Web Dalam Subjek Bahasa Pengaturcaraan III Fakulti Pendidikan UTM	2006 /2007
21	Noor Khuzaimah Binti Abdul Rahman	Graduated	Pembinaan Modul Pembelajaran Kendiri Topik Tag Html, Pemformatan Laman Web Dan Pengaplikasian Audio Dan Video Menggunakan Aplikasi Frontpage XP 2003	2006 /2007
22	Nurul Zawana Binti Mohd Nor	Graduated	Modul Pengajaran Kendiri Bagi Tajuk Pembinaan Navigasi, Penggunaan Web Component, Penggunaan Input Form Dan Pembinaan Site Transition Menggunakan Aplikasi Microsoft Frontpage XP 2003	2006 /2007
23	Wong Mei Fong	Graduated	Pembangunan Perisian Multimedia Berdasarkan Pembelajaran Aktif Bagi Tutorial Bertajuk Garis Dan Satah Dalam Tiga Matra Matematik KBSM Tingkatan Empat	2006 /2007
24	Audry Chan Pei Hoon	Graduated	Pembangunan Perisian Multimedia Berdasarkan Pembelajaran Aktif Bagi Tutorial Bertajuk Kebarangkalian I Matematik Kbsm Tingkatan 4	2006 /2007
25	Mariam Binti Mohamed	Graduated	Pembangunan Sistem Maklumat Bagi Projek Sarjana Muda Fakulti Pendidikan	2006 /2007
26	Beatrice Andrew	Graduated	Penggunaan ICT Dalam Pengajaran Dan Pembelajaran: Sejauh Mana Ia Meningkatkan Kemahiran Generik Guru Pelatih, Fakulti Pendidikan	2006 /2007
27	Swee Hoi Peng	Graduated	Pembangunan Laman Web Berasaskan Pembelajaran Autentik Bagi Topik Pemformatan Laman Web, Tag HTML Dan Penggunaan Jadual	2008 /2009

## UNDERGRADUATE STUDENTS

### CO SUPERVISOR

No	Name	Status (Graduated/On going)	Title	Date
1	Muhammad Takiyudin B. Sukeri	Graduated	Computer Based Learning: Perkara-Perkara Asas Fardhu A'in (PAFA)	2003 /2004
2	Mohd Firdaus B. Abdul Hamid	Graduated	Computer Based Learning: Ibadat Haji Dan Umrah	2003 /2004



## UTM POSTGRADUATE EXAMINATION / VIVA

### PHD

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	Co-Chairman	Nurul Syazwani Binti Ismail	Teknologi Mudah Alih Dalam Meningkatkan Kemahiran Berfikir Aras Tinggi Pelajar	2018
2	Co-Chairman	Adjah Naqkiah Binti Maslan	Technology Integration in Learning Movement Skills among Students in Higher Education	2018
3	Co-Chairman	Diyana Binti Jamari	Implementation of Case Based Learning and Metacognitive Scaffolding in Social Media to Improve Problem Solving Skill	2018

### MASTER BY RESEARCH

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	Examiner	Zabidi Bin Sukuan	Aplikasi Google Gafe Menerusi FrogVLE Bagi Pengurusan Data Pentadbiran Sekolah	2019

### MASTER BY MIXED-MODE

NO	ROLE	NAME OF STUDENT	TITLE	YEAR

## UTM UNDERGRADUATE THESIS EXAMINER

NO	NAME OF STUDENT	NAME OF DEGREE	YEAR
1	Fadhliatun Binti Suhaili	Sains Dan Komputer Serta Pendidikan (Fizik)	Sem 1 2007/2008
2	Noor Aziah Binti Mohd Lazim	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 1 2007/2008
3	Azurawani Binti Abdullah	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 1 2007/2008
4	Hajar Binti Mat Wahid @ Mokhtar	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 1 2007/2008
5	Suhaizal Bin Hashim	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
6	Lim Siew Huang	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
7	Tay Pek Fang	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
8	Wong Hee Choo	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
9	Norhidayah Binti Habas	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
10	Nurhidayah Omar	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
11	Nurul Liyana Binti Jamaludin	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
12	Ramlah Binti Muda	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007

13	Puteri Falrose Saedah Bt Aliasah'	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
14	Siti Norul Azizah Bt Abdul Wahab	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
15	Zaharah Mohd Jani	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
16	Hamidah Binti Abdul Razak	Sains Dan Komputer Serta Pendidikan (Fizik)	Sem 2 2006/2007
17	Hii Ching Fen	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
18	Ling Ik Hie	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
19	Sim Tiek Ann	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
20	Soleha Bt Kadim	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2006/2007
21	Nor Ilyani Othman	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
22	Wan Azhani Binti Wan Abdullah	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2006/2007
23	Mohd Yusri Bin Yahaya Arif	Teknologi serta Pendidikan (Kemahiran Hidup)	Sem 2 2006/2007
24	Hawari Bin Hasmi	Teknologi serta Pendidikan (Kemahiran Hidup)	Sem 2 2006/2007
25	Wan Norazimah Binti Wan Mohd Zainudin	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 1 2006/2007
26	Ikmal Bin Mustapha	Teknologi serta Pendidikan (Kejuruteraan Elektrik)	Sem 1 2006/2007
27	Raizal Bin Dunggi	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 1 2006/2007
28	Lee Mei Mei	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2005/2006
29	Nur Zaida Binti Mohd Azlan	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2005/2006
30	Thung Su Ling	Sains serta Pendidikan (Matematik)	Sem 2 2005/2006
31	Yong Lik Meng	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2005/2006
32	Fatimah Syahida Binti Jusoh	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2005/2006
33	Irma Suriani Binti Ab Hamid	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2005/2006
34	Tan Tee Kim	Teknologi serta Pendidikan (Kejuruteraan Mekanikal)	Sem 2 2005/2006
35	Asmalihan Normaliza Bt Jamaluddin	Sains serta Pendidikan (Matematik)	Sem 2 2005/2006
36	Kamelia Bt Mohd Yunus	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2005/2006
37	Noor Ashikin Binti Abd. Rahim	Teknologi serta Pendidikan (Sains)	Sem 2 2005/2006
38	Salihuddin B Md Suhadi	Sains Dan Komputer Serta Pendidikan (Fizik)	Sem 2 2005/2006
39	Suhaili Binti Samsuri	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2005/2006
40	Theng Siew Ling	Sains Dan Komputer Serta Pendidikan (Kimia)	Sem 2 2005/2006
41	Wan Ahmad Syawal Bin Wan Sagar	Sains Dan Komputer Serta Pendidikan (Matematik)	Sem 2 2005/2006
42	Yeap Soo Yin	Sains Dan Komputer Serta Pendidikan (Fizik)	Sem 2 2005/2006

43	Ikmal Bin Mustapha	Teknologi serta Pendidikan (Kejuruteraan Elektrik)	Sem 2 2005/2006
44	Mohd Faizal Bin Human	Teknologi serta Pendidikan (Kejuruteraan Elektrik)	Sem 2 2005/2006
45	Rusli Bin Norizan	Teknologi serta Pendidikan (Kejuruteraan Elektrik)	Sem 2 2005/2006

## EXTERNAL POSTGRADUATE EXAMINATION / VIVA

### PHD

NO	ROLE	NAME OF STUDENT	TITLE	YEAR

### MASTER BY RESEARCH

NO	ROLE	NAME OF STUDENT	TITLE	YEAR

### MASTER BY MIXED-MODE

NO	ROLE	NAME OF STUDENT	TITLE	YEAR

## PUBLICATIONS

### JOURNAL

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking	Category Author
1	Technological Affordances of E-Learning: An Analysis Of Students' Perceptions in Tertiary ICT Education	Information (Japan)	1343-4500	17	8	3659-3674	2014	-	Journal	Scopus	-	Co-Author
2	Using Activity Theory As Analytical Framework For Evaluating Contextual Online Collaborative Learning	International Journal Of Emerging Technologies In Learning	18688799	9	5	54-59	2014	-	Journal	Scopus	-	Co-Author
3	Enriching Stem Curriculums With Integation Of Mit Blossoms And Higher Order Thinking Skills (HOTS)	ICEED 2014 - 2014 IEEE 6th Conference On Engineering Education	978-147-9945-95-5	Article number 7194698	-	111-116	2015	-	Conference Paper	Scopus	-	Co-Author
4	A Case Study on Visual Spatial Skills and Level of Geometric Thinking in Learning 3D Geometry Among High Achievers	Man In India	00251569	96	1-2	489-499	2016	-	Journal	Scopus	-	Co-Author
5	Evaluation By Experts And Designated Users On The Learning Strategy Using Sketchup Make For Elevating Visual Spatial Skills And Geometry Thinking	Bolema Mathematics Education Bulletin	0103636X	31	58	819-840	2017	-	Journal	Scopus	-	Co-Author

6	Collaborative Learning In Authentic Environment Apps To Promote Preschool Basic Scientific Process Skills	International Journal of Interactive Mobile Technologies	18657923	11	3	4-15	2017	-	Journal	Scopus	-	UTM First Author
7	Difficulties In Reasoning Among High Achievers When Doing Problem Solving In Mathematics	Man In India	00251569	97	12	61-70	2017	-	Journal	Scopus	-	Co-Author
8	Improving The Reasoning Skills Of Students To Overcome Learning Difficulties In Additional Mathematics	Man In India	00251569	97	17	41-52	2017	-	Journal	Scopus	-	UTM First Author
9	The Rasch Analysis of Mathematics Teachers' Practices on Teaching Thinking Skills	Man In India	00251569	97	19	141-152	2017	-	Journal	Scopus	-	Co-Author
10	Understanding Learners Persistence and Engagement in Massive Open Online Courses: A Critical Review for Universiti Teknologi Malaysia	Man In India	00251569	97	12	147-157	2017	-	Journal	Scopus	-	UTM First Author
11	The Design And Implementation Of Massive Open Online Course (Mooc) For Highway Engineering Course	Pertanika Journal Of Social Science And Humanities	01287702	25	S1	377-386	2017	-	Journal	Web of Science	-	Corres - ponding Author
12	Extent Of Teacher Questioning To Promote Reasoning During Problem Solving In High Achieving Mathematics Classrooms	Advanced Science Letters	19366612	23	8	7438-7441	2017	-	Journal	Scopus	-	Co-Author

13	Problem Solving, Based On Metacognitive Learning Activities, To Improve Mathematical Reasoning Skills Of Students.	Man In India	00251569	97	12	213-220	2017	-	Journal	Web of Science	-	Co-Author
14	Primary Science Teacher Performance In Science Process Skills	Ieee 10th International Conference On Engineering Education (Iceed2018)	978-153866846-7	Article number 8626973	-	236-239	2018	-	Conference Paper	Scopus	-	UTM First Author
15	Measuring Research Literacy: Development Of Research Literacy Test	Turkish Online Journal Of Design, Art And Communication	21465193	Special Edition	-	1649-1655	2018	-	Journal	Web of Science	-	Co-Author
16	Examining International Postgraduate Students In Academic Research Writing Competencies	Advanced Science Letter	19366612	24	1	21-23	2018	-	Journal	Web of Science	-	Co-Author
17	Planning In Service Learning Project At High University	Advanced Science Letter	19366612	24	1	34-37	2018	-	Journal	Web of Science	-	Co-Author
18	Towards A Conceptual Framework For Service-Learning In Online Learning Environment	Proceedings of The International Conference On Industrial Engineering And Operations Management	21698767	2018	Mac	2893-2902	2018	-	Conference Paper	Scopus	-	UTM First Author
19	Promoting Staged Self-Directed Learning (Ssd) Among Malaysian Tertiary Learners Through Online Discussion In Completing Group Assignment	Proceedings of 2017 IEEE International Conference on Teaching, Assessment and Learning for Engineering, TALE 2017	978-153860900-2	2018	Jan	265-270	2018	-	Conference Paper	Scopus	-	Co-Author

20	Assessment of Service Learning In Higher Education at Universiti Teknologi Malaysia	Advanced Science Letter	19366612	24	1	30-33	2018	-	Journal	Web of Science	-	UTM First Author
21	Service Learning: A Means For The Holistic Development Of Malaysian Higher Education Students	Advanced Science Letter	19366612	24	1	51-55	2018	-	Journal	Web of Science	-	Co-Author
22	The Effects Of Learning Strategy For 3-Dimensional Geometry Using "Sketchup Make" on Students' Geometry Thinking	Advanced Science Letter	19366612	24	6	4058-4062	2018	-	Journal	Web of Science	-	Co-Author
23	Video Tutorial Screencast And Sketchup Make (VTS-Sum) For Low Achievers In Learning 3D Geometry	Journal Of Engineering Science And Technology Special Issue On I-Cite 2018	18234690	11/ 2018	Special issue	57-70	2018	-	Journal	Web of Science	-	UTM First Author
24	Generic Green Skills Development: Initiatives Of Green Manufacturing Industries In Johor, Malaysia	Advanced Science Letters	19366612	24	4	2931-2935	2018	-	Journal	Web of Science	-	Co-Author
25	Integrating Animations In Chinese Character Writing Based On Cognitive Theory Of Multimedia Learning To Promote Students Writing Skills	International Journal of Interactive Mobile Technologies (IJIM)	18657923	12	7	97-111	2018	-	Journal	Scopus	-	UTM First Author
26	Promoting Students' Generic Skills with The Integration Of E-Service Learning Platform	International Journal of Emerging Technologies In Learning	18688799	14	20	4-17	2019	-	Journal	Web of Science	-	UTM First Author

27	Generic Green Skills in Teaching And Learning: Meaning And Implementation	Universal Journal of Educational Research	23323205	7	12A	121-126	2019	-	Journal	Scopus	-	Co-Author
28	The Psychometrics Evaluation Of Administrative Staff's Job Satisfaction	Indian Journal of Public Health Research and Development	09760245	10	9	1786-1791	2019	-	Journal	Scopus	-	Co-Author
29	Developing Students Graduate Attributes in Service Learning Project Through Online Platform	Proceedings of the International Conference on Industrial Engineering and Operations Management	21698767	2019	3	3524-3537	2019	-	Conference Paper	Scopus	-	UTM First Author
30	The Effects Of Video Tutorial Screencast Sketchup Make (VTS-SUM) In Learning 3D Geometry For Low Achievers	Universal Journal of Educational Research	23323205	7	10D	19-23	2019	-	Journal	Scopus	-	UTM First Author
31	Video Games As Vocabulary Enhancement Instrument In The 21st Century Classroom	International Journal of Recent Technology and Engineering	22773878	8	2	285-290	2019	-	Journal	Scopus	-	Co-Author
32	Do Demographics Matter? A Study On Administrative Staff's Satisfaction Level Towards Their High Education Institutions	Indian Journal Of Public Health Research And Development	09760245	10	9	1841-1845	2019	-	Journal	Scopus	-	Co-Author



33	Transnational Academic Collaboration For The Development Of An Islamic Studies Programme: The Sharing Of Experience	Indian Journal Of Public Health Research And Development	09760245	10	1	1322-1325	2019	-	Journal	Scopus	-	Co-Author
34	Validation Of A Developed University Placement Test Using Classical Test Theory And Rasch Measurement Approach	International Journal Of Advanced And Applied Sciences	2313626X	6	6	22-29	2019	-	Journal	Web Of Science	-	Co-Author
35	An Integration of "Online Interactive Apps" For Learning Application of Graph Theory To Enhance Creative Problem Solving Of Mathematics Students	International Journal of Interactive Mobile Technologies (IJIM)	18657923	14	12	97-109	2020	-	Journal	Scopus	-	UTM First Author
36	Benefits of Service Learning Based on The Three Pillars of Sustainability	Journal of Advanced Research in Dynamical and Control Systems	1943023X	12	4	551-558	2020	-	Journal	Scopus	-	Co-Author
37	Application of Rasch Analysis In Measuring Teacher Collegial Supervisory Instrument's Reliability And Validity	Universal Journal of Educational Research	23323205	8	11	6-14	2020	-	Journal	Scopus	-	Co-Author
38	Grayscale Image Enhancement for Enhancing Features Detection In Marker-	Journal of Theoretical And Applied Information Technology	19928645	98	13	2671-2683	2020	-	Journal	Scopus	-	Co-Author

	Less Augmented Reality Technology											
39	The Competency of English Language Teachers In Implementing The English Language Literacy Programme	International Journal of Psychosocial Rehabilitation	14757192	24	5	5518-5526	2020	-	Journal	Scopus		Co-Author
40	A Systematic Review of E-Service Learning in Higher Education	International Journal of Interactive Mobile Technologies (IJIM)	18657923	14	6	4-14	2020	-	Journal	Scopus	-	UTM First Author
41	Integration of Science Learning Apps Based on Inquiry Based Science Education (IBSE) In Enhancing Students Science Process Skills (SPS)	International Journal of Interactive Mobile Technologies (IJIM)	18657923	14	9	95-109	2020	-	Journal	Scopus	-	UTM First Author
42	Analysis Of Scientific Reasoning Ability Of Prospective Biology Teacher Students In The Course Of Plant Development Structure	AIP Conference Proceedings	0094243X	2215	-	Article number 030021	2020	-	Conference Paper	Scopus	-	UTM First Author
43	Analysis Of Invertebrate And Vertebrate Animals In Malang Regency As An Animal Diversity Learning Resource For Biology Student At The Universitas Negeri Malang	AIP Conference Proceedings	0094243X	2215	-	Article number 030007	2020	-	Conference Paper	Scopus	-	UTM First Author
44	Visual Thinking Profile Of Mathematics Students In Graph	AIP Conference Proceedings	0094243X	2215	-	Article number 060029	2020		Conference Paper	Scopus	-	UTM First Author

	Theory Problem Solving Process											
--	--------------------------------	--	--	--	--	--	--	--	--	--	--	--

## JOURNAL NON-INDEXED

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking	Category Author
1	Developers Perspective On Mool Sustainability In Universiti Teknologi Malaysia	Malaysian Journal of Industrial Technology (MJIT)	2462-2540	2	1	82-89	2017	-	Journal article	Non-Indexed	-	Co-Author
2	Learning The Strategy of Reasoning through Marzano Dimensional Mastery Learning Model Among Form Four Students for The Topic of Differentiation	Sains Humanika	2289-6996	9	1-4	1-7	2018	-	Journal article	Non-Indexed	-	Co-Author
3	Design And Learning Strategies Applied In Mool: A Meta-Analysis	Sains Humanika	22896996	9	1-3	71-76	2017	-	Journal article	Non-Indexed	-	Co-Author
4	A Learning 3D Geometry Through Sketchup Make (SPPD-SUM) To Enhance Visual Spatial Skills And The Level Of Geometric Thinking	Journal Of Fundamental And Applied Sciences	11129867	10	6S	1005-1039	2018	-	Journal article	Non-Indexed	-	Co-Author
5	Generic Green Skills: What Do Academician Have To Say	The Turkish Online Journal Of Design, Art And	21465193	8	Special Edition	2743-2749	2018	-	Journal article	Non-Indexed	-	Co-Author

		Communication										
6	Improving Student's Learning Outcomes Through E-Service Learning Based On Authentic Learning Strategy	Innovative Teaching And Learning Journal (ITLJ)	26008572	2	1	8-16	2018	-	Journal article	Non-Indexed	-	UTM First Author
7	A Study on The Effect of Instructional Leadership Practices Towards Teachers' Innovativeness	International Journal of Civil Engineering And Technology	0976-6308	10	3	2663-2673	2019	-	Journal article	Non-Indexed	-	Co-Author
8	ICT Belief, Skills and Knowledge: Evidence From Primary Schools' Senior Assistants	International Journal of Civil Engineering And Technology	0976-6308	10	3	2674-2682	2019	-	Journal article	Non-Indexed	-	Co-Author
9	Enhancing Learning Mathematical Concept of Set Topic for Empirical Inductive Students Using PBL MATHSSET	Journal of Critical Reviews	23945125	7	13	1327-1337	2020	-	Journal article	Non-Indexed	-	UTM First Author
10	Blended Learning in English Teaching and Learning: An Overview of Current Practice in Oman	Innovative Teaching and Learning Journal	26008572	4	2	60-70	2020	-	Journal article	Non-Indexed	-	Co-Author

## OTHERS PUBLICATION

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN/ISBN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking	Category Author
1	E-Supervision: A Prototype For Teacher Training in UTM	Proceeding of 3rd International Conference on Literacy 2003	-	-	-	-	2003	-	Chapter	Proceeding	-	Co-Author
2	Penyeliaan Latihan Mengajar Secara Elektronik (E-Supervision): Satu Kajian Kes di Fakulti Pendidikan, Universiti Teknologi Malaysia. Proceeding of 3rd International Conference on Literacy 2003	Proceeding of 3rd International Conference on Literacy 2003	-	-	-	-	2003	-	Chapter	Proceeding	-	Co-Author
3	Sains Komputer – Teknik dan Teknologi	Venton Publishings	983-2661-25-0	-	-	1-94	2003	-	Book	Original Book		Co-Author
4	Students' Acceptance Towards The Use Of Computer-Simulation In Learning Network Design: A Case Study In Faculty Of Information Technology And Quantitative Sciences, Universiti Teknologi Mara	Proceeding of Konvensyen Teknologi Pendidikan Ke-18	-	-	-	-	2005	-	Chapter	Proceeding	-	UTM First Author
5	Measuring Students' Performance From The Effectiveness Of Using	Universiti Teknologi MARA	-	-	-	1-246	2005	-	Thesis	Master Thesis	-	UTM First Author

	Computer Simulations In Learning Network Design											
6	Pengaplikasian Pembelajaran Kolaboratif Dalam Sistem E-Pembelajaran Bagi Mata Pelajaran Bahasa Gubahan (SPM 2322) di Fakulti Pendidikan, Universiti Teknologi Malaysia	Proceeding of Konvensyen Teknologi Pendidikan Ke-19	-	-	-	-	2006	-	Chapter	Proceeding	-	Co-Author
7	Applying Andragogy And Enhancing Generic Skills In Technology Supported Learning Of Multimedia Software Design Subject	Proceeding of Konvensyen Teknologi Pendidikan Ke-19	-	-	-	-	2006	-	Chapter	Proceeding	-	Co-Author
8	Faktor-Faktor Yang Mempengaruhi Penggunaan E-Learning Di Kalangan Pelajar Tahun Lima Fakulti Pendidikan UTM	Proceeding of Konvensyen Teknologi Pendidikan Ke-19	-	-	-	-	2006	-	Chapter	Proceeding	-	UTM First Author
9	Penerapan Kemahiran Generik Melalui Pembelajaran Aktif Dikalangan Pelajar Fakulti Pendidikan, UTM Untuk Subjek Bahasa Pengaturcaraan	Proceeding of Konvensyen Teknologi Pendidikan Ke-19	-	-	-	-	2006	-	Chapter	Proceeding	-	UTM First Author
10	The Application Of An Effective E-Collaborative Learning Among Students In The Authoring Language Subject (SPM	Proceeding of Seminar Kebangsaan Sains Sosial & ICT (Concist 2006)	-	-	-	-	2006	-	Chapter	Proceeding	-	UTM First Author

	2322) at the Faculty Education, University Technology Malaysia											
11	Measuring Students' Performance Based On Kirkpatrick's Model: Using Computer-Simulation In Learning Network Design	Proceeding of 3rd International Conference On University Learning and Teaching	-	-	-	-	2006	-	Chapter	Proceeding	-	UTM First Author
12	E-Learning Research and Development or e-Learning Related to Learning Computer Science, Information Technology and Multimedia: Universiti Malaysia's Experience.	Proceeding of 3rd International Conference On University Learning and Teaching	-	-	-	-	2006	-	Chapter	Proceeding	-	Co-Author
13	Screen Design Improvement System (SDIS): System For Assisting Students In Screen Design Process	Proceeding 1st International Malaysian Educational Technology Convention 2007	-	-	-	-	2007	-	Chapter	Proceeding	-	Co-Author
14	Faktor-Faktor Yang Mempengaruhi Penggunaan E-pembelajaran Di Kalangan Pelajar Tahun Akhir Fakulti Pendidikan, Universiti Teknologi Malaysia	Proceeding 1st International Malaysian Educational Technology Convention 2007	-	-	-	-	2007	-	Chapter	Proceeding	-	Co-Author
15	Pembangunan Web Interaktif - Satu Pendekatan Sistematis	Venton Publishings	978-983-3526-9-70	-	-	1-117	2007	-	Book	Original Book	-	UTM First Author

16	Microsoft Office Frontpage XP 2003 - Asas Pembangunan Halaman Web	Venton Publishings	978-967-5065-09-5	-	-	1-122	2008	-	Book	Original Book	-	UTM First Author
17	How to Design Multimedia and Web Application -Theory into Practice	Venton Publishings	978-967-5065-2-93	-	-	1-86	2008	-	Book	Original Book	-	Co-Author
18	Fundamental of Telecommunication	Venton Publishings	978-967-50-6519-4	-	-	1-102	2008	-	Book	Original Book	-	Co-Author
19	Creating Your Own Teaching Portfolio	Nasmox Publishing	978-967-5390-05-0	-	-	1-38	2009	-	Book	Original Book	-	Co-Author
20	Profil Kontinum Pemikiran Visual Pelajar Menerusi Persekitaran Pembelajaran Autentik Bervisual	Universiti Teknologi Malaysia	-	-	-	1-340	2012	-	Thesis	PhD Thesis	-	UTM First Author
22	Pembangunan Perisian Latih Tubi Secara Adaptif bagi Subjek Pengenalan kepada Pengaturcaraan Berstruktur	Bahan Pengajaran Berasaskan Komputer.	978-983-52-0880-5	-	-	235-252	2012	-	Chapter	Book Chapter	-	Co-Author
23	Dasar E-Pembelajaran Negara 2.0	Kementerian Pendidikan Tinggi	-	-	-	1-55	2015	-	Chapter	Policy Paper	-	Co-Author
24	Development of e-Contents	E-Learning Guidelines for Malaysian HEIs: Kementerian Pendidikan Tinggi	-	-	-	1-1-3	2014	-	Book	Original Book	-	Co-Author
25	The Nature Of Student Group Online Interactions In Learning Ict Education.	Envisioning The Future Of Online Learning	978-981-10-0952-5	-	-	1-12	2015	-	Article	Proceeding	-	Co-Author



26	Pembentukan Komunikasi Visual Pelajar Menerusi e-Peta Minda	Implementasi Media Digital dalam Pengajaran & Pembelajaran	978-983-52-1033-4	-	-	1-20	2015	-	Chapter	Book Chapter	-	UTM First Author
27	Utilization of Mind Map Levelling in Supporting Students' Visual Communication Development	Integration of Technology in Teaching & Learning	978-983-52-1037-2	-	-	1-20	2016	-	Chapter	Book Chapter	-	UTM First Author
28	Development of Virtual Learning Environment Assited by Animated Pedagogical Agent for Authoring Language Course at the Faculty of Education	Integration of Technology in Teaching & Learning	978-983-52-1037-2	-	-	21-37	2016	-	Chapter	Book Chapter	-	Co-Author
29	UTM MOOC	A Guide to New Academia Learning Innovation (NALI)	978-967-01-9461-4	-	-	104-111	2016	-	Chapter	Book Chapter		UTM First Author
30	Student to Student Edutainment	A Guide to New Academia Learning Innovation (NALI)	978-967-01-9461-4	-	-	121-130	2016	-	Chapter	Book Chapter		Co-Author
31	Higher Order Thinking Skills Among High Achievers in Mathematics	Malaysian Journal of Higher Order Thinking Skills In Education	2462-2397	3	-	82-92	2016	-	Chapter	Book Chapter		Co-Author
32	Kebarangkalian (Probact), Strategi	Perpustakaan Negara Malaysia	978-983-4279-48-6	-	-	1-44	2016	-	Book	Original Book	-	UTM First Author

	Pemikiran Matematik Luar Bilik Darjah											
33	SPPD-SUM Strategi Pembelajaran Tiga Dimensi Geometri: Pelan Dongakan Menerusi Perisian Dinamik SketchUp Make	Perpustakaan Negara Malaysia	978-967-0194-53-0	-	-	1-138	2016	-	Book	Original Book	-	UTM First Author
34	Strategi Pembelajaran Penaakulan Berfokuskan Metakognitif (SPPBM) Pembezaan	Perpustakaan Negara Malaysia	978-983-4279-46-2	-	-	1-140	2016	-	Book	Original Book	-	UTM First Author
35	Enhancing Higher Order Thinking Skills in Learning Probability through Outside Classroom Technology Strategy	Emerging Technology & Strategy for Learning	978-983-52-1180-5	-	-	39-48	2016	-	Book	Book Chapter	-	Co-Author
36	Questioning for Reasoning: A Teacher's Guide to Building and Executing Non-Routine Mathematics Tasks	Perpustakaan Negara Malaysia	978-967-0194-90-5	-	-	1-26	2017	-	Book	Original Book	-	UTM First Author
37	The 21st Century Learning In Malaysian Primary School: How Teachers Apply, Analyze, Evaluate In HOTS?	The 1st International Conference On Creativity, Innovation, Technology In Education (IC-CITE)	-	-	-	-	2018	-	Article	Conference Paper	-	Co-Author
38	Kajian Keberkesanan Program International Service Learning (ISLP)	Proceeding of New Academia Learning Innovation	978-967-2171-21-8	-	-	91-94	2018	-	Chapter	Proceeding	-	Co-Author

	Anjuran Fakulti Pendidikan Utm	(NALI) Sharing Practices 2018										
39	Polisi Pembangunan, Penawaran Dan Pindah Kredit MOOC UTM	-	-	-	-	-	2018	-	Report	Clasified/ Technical Report	-	Co-Author
40	Curriculum Delivery And Quality Improvement	Perpustakaan Negara Malaysia	978-967-2171-36-2	-	-	621	2018	-	Book	Original Book	-	Corresponding Author
41	Academic Programme Development	Perpustakaan Negara Malaysia	978-967-2171-35-5	-	-	620	2018	-	Book	Original Book	-	Corresponding Author
42	Framework Of Online Authentic Learning Environment In Promoting Students Visual Thinking	Conceptual Framework Of Learning Theory Implementation In Educational Technology	97898352156811	-	-	148-176	2018	-	Chapter	Book Chapter		UTM First Author
43	Framework Of Activity Theory In Developing Document Record Management System	Conceptual Framework Of Learning Theory Implementation In Educational Technology	97898352156811	-	-	130-147	2018	-	Chapter	Book Chapter		Co-Author
44	Implementation Of Holistic Social Learning Environment	E-Learning Carnival And Conference 2018	-	-	-	-	2018	-	Article	Conference Paper	-	Co-Author
45	Design And Development Of Learning Activities For Eservice Learning Program Based On Authentic Learning Strategy	Isu-Isu Pendidikan Kontemporari Sem I 2017-2018	978-967-0194-68-4	-	-	1035-1045	2018	-	Chapter	Proceeding	-	UTM First Author

46	Persepsi Pelajar Terhadap Pembelajaran Servis Berdasarkan Strategi Pembelajaran Autentik	Isu-Isu Pendidikan Kontemporari Sem I 2017-2018	978-967-0194-68-4	-	-	989-1000	2018	-	Chapter	Proceeding	-	UTM First Author
47	Students' Perception Towards The Use Of FROG-VLE Based On Rogers Diffusion Of Innovation Theory	International Conference On Creative And Innovative Technology In Education (I-CITE 2018)	-	-	-	-	2018	-	Article	Conference Paper	-	Co-Author
48	Pendekatan Infusi Pembelajaran Berasaskan Pemikiran Kritis Dan Kreatif Matematik: Ungkapan Algebra	Perpustakaan Negara Malaysia	978-967-2171-14-0	-	-	1-132	2018	-	Book	Original Book	-	Co-Author
49	Implementing The Four Cs Of 21st Century Skills In Classroom : Do Malaysian Primary Teachers Understand?	The 2nd Annual International Conference on Mathematics, Science And Education (Icomse2018)	978-602-470-092-8	-	-	35-45	2018	-	Chapter	Proceeding	-	Co-Author
50	Improving Students' Learning Outcomes Through E-Service Learning Based on Authentic Learning Strategy	Proceeding of New Academia Learning Innovation (NALI 2018)	978-967-2171-31-7	-	-	52-54	2018	-	Chapter	Proceeding	-	Corresponding Author
51	Edutainment Mobile Application - Kembara Nombor	Proceeding of New Academia Learning	978-967-2171-31-7	-	-	66-67	2018	-	Chapter	Proceeding	-	Corresponding Author

		Innovation (NALI 2018)										
52	Modul Pembelajaran Mandiri Dalam Pembelajaran Berasaskan Senario	Proceeding of New Academia Learning Innovation (NALI 2018)	978-967-2171-31-7	-	-	199-201	2018	-	Chapter	Proceeding	-	Corresponding Author
53	Modul Pembelajaran Mandiri : Pemprosesan Makanan - Hasil Biji-Bijian	Perpustakaan Negara Malaysia	978-967-2171-56-0	-	-	1-89	2018	-	Book	Original Book	-	Corresponding Author
54	Modul Pembelajaran Mandiri : Pemprosesan Makanan - Hasil Tenusu & Telur	Perpustakaan Negara Malaysia	978-967-2171-55-3	-	-	1-81	2018	-	Book	Original Book	-	Corresponding Author
55	Modul Pembelajaran Mandiri : Pemprosesan Makanan Bakeri	Perpustakaan Negara Malaysia	978-967-2171-57-7	-	-	1-103	2018	-	Book	Original Book	-	Corresponding Author
56	Pemprosesan Makanan - Konfeksioneri	Perpustakaan Negara Malaysia	978-967-2171-54-6	-	-	1-91	2018	-	Book	Original Book	-	Corresponding Author
57	3r Manual : Creativity In Sustainability	Perpustakaan Negara Malaysia	978-967-2171-24-9	-	-	1-30	2018	-	Book	Original Book	-	UTM First Author
58	Koleksi Setem Dan Filateli Nukilan Kanak-Kanak	Perpustakaan Negara Malaysia	978-967-2171-33-1	-	-	1-135	2018	-	Book	Original Book	-	UTM First Author
59	Kesedaran Pelajar Sekolah Menengah Terhadap Sekolah Lestari	Kurikulum Pendidikan Nilai	978-983-52-1583-4	-	-	121-156	2019	-	Chapter	Book Chapter	-	UTM First Author
60	Kesedaran Mahasiswa Terhadap Kampus Lestari	Kurikulum Pendidikan Nilai	978-983-52-1583-4	-	-	215-252	2019	-	Chapter	Book Chapter	-	Co-Author
61	Basic Understanding of Higher Order Thinking Skill Among Malaysia Primary School Teachers In The	Proceeding Of The 1st International Conference Of	978-1-63190-211-6	-	-	1-16	2019	-	Article	Proceeding	-	Co-Author

	Context Of 21st Century Learning	Science And Technology In Elementary Education										
62	Evaluating A Standard Framework Of Collegial Supervision's Psychometric Properties For Malaysian Public Secondary Schools	3rd International Conference On Educational Studies (ICES 2019)	-	-	-	1-20	2019	-	Article	Conference Paper	-	Co-Author
63	The Competency of English Language Teachers In Implementing The English Language Literacy Programme	3rd International Conference On Educational Studies (ICES 2019)	-	-	-	1-9	2019	-	Article	Conference Paper	-	Co-Author
64	Pendekatan Pembelajaran Teradun (Blended Learning) Dalam Pengajaran Dan Pembelajaran Kemahiran Membaca Kanak-Kanak Pra Sekolah	Seminar Antarabangsa Pendidikan Bahasa, Sastera Dan Budaya Melayu Kedua 2019	978-967-0194-68-4	-	-	1596-1608	2019	-	Article	Conference Paper	-	Co-Author
65	Pembelajaran Autentik Menerusi Web Interaktif Bagi Meningkatkan Kemahiran Berfikir Aras Tinggi	Seminar Antarabangsa Pendidikan Bahasa, Sastera Dan Budaya Melayu Kedua 2019	978-967-0194-68-4	-	-	1-17	2019	-	Article	Conference Paper	-	Co-Author
66	Pembinaan Kemahiran Insaniah Melalui Program Service Learning Dalam	International Seminar and Workshop On	-	-	-	1-21	2019	-	Article	Conference Paper	-	Co-Author

	Kalangan Mahasiswa Di Malaysia	Social Sciences And Psychology										
67	A Report on FSSH UTM'S Experience Towards Digitizing Education	Perpustakaan Negara Malaysia	978-967-2401-13-1	-	-	14-27	2020	-	Chapter	Clasified/ Technical Report	-	UTM First Author
68	Basic of Computer Networking and Cabling Installation	Perpustakaan Negara Malaysia	978-967-2401-29-2	-	-	1-34	2020	-	Book	Original Book	-	UTM First Author

## PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Guest Lecturer	Promoting and Assessing Argumentation Skill, Scientific Reasoning, and Problem Solving	26 <sup>th</sup> August 2019	FMIPA, Universitas Negeri Malang, Indonesia
2	Invited speaker	3rd International Conference on Mathematics and Science Education (ICOMSE) 2019	26 <sup>th</sup> August 2019	Faculty of Mathematics and Natural Sciences, Universitas Negeri Malang, Indonesia
3	Guest speaker	Building thinking skills and metacognition in New Normal Life in the face of RI 4.0	22 <sup>nd</sup> Oct 2020	State University of Padang (UNP), Indonesia
4	Guest Lecturer	Trend Penelitian Berkaitan Media Pembelajaran Online Pada Masa Pandemi	20 <sup>th</sup> Nov 2020	Online @ FMIPA, Universitas Negeri Malang, Indonesia

## PROFESSIONAL SERVICES

### CONSULTATION AND TRAINING

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	<b>Leader</b>	Training on Modern Teaching Methods In Computer Networks and Distributed Systems. Sponsored by World bank in Collaboration with The Afghan Ministry of Higher Education.	4 - 8 May 2014	Center for Teaching and Learning CTL, UTM	31,500
2	<b>Leader</b>	Specialized Training On Interactive Learning Management System And Research Linkages In Computer Networks And Distributed Systems. Sponsored by World bank in Collaboration with The Afghan Ministry of Higher Education.	23 - 31 March 2014	Center for Teaching and Learning CTL, UTM	21,000
3	<b>Leader</b>	Development of Malaysia MOOC (MyMOOC) courses. Sponsored by Ministry of Education Malaysia in Collaboration with The Malaysian e-Learning Council for Public Universities (MEIPTA).	2015 - 2016	Center for Teaching and Learning CTL, UTM	138,000
4	Member	E-Learning Training Courses. Sponsored by World Bank, in	3 - 4 Nov 2016	Faculty of Education,	11,000



		Collaboration with Center of Engineering Education (CEE), UTM.		Universiti Teknologi Malaysia	
5	Member	Blended Learning & New Web Emerging Technologies Training. Sponsored by World Bank in Collaboration with Center of Engineering Education (CEE), UTM.	12 October 2017	Faculty of Education, Universiti Teknologi Malaysia	6,000
6	Member	International Service Learning Universitas Muhammadiyah Purwokerto & Universiti Teknologi Yogyakarta, Indonesia. Collaboration Faculty of Education Universiti Teknologi Malaysia.	16 July - 7 Aug 2017	FELDA Air Tawar, Kota Tinggi, Johor	30,000
7	<b>Leader</b>	Blended Learning & Emerging Educational Technologies Training. Collaboration with The Afghan Ministry of Higher Education and Center of Engineering Education (CEE), UTM.	14 - 15 April 2018	Faculty of Education, Universiti Teknologi Malaysia	11,000
8	Member	Program Latihan Pembangunan Dan Semakan Kurikulum Institut Pengajian Islam Pergas	10 May 2018 - 30 Apr 2020	Institut Pengajian Islam Pergas (CN/2019/00196) :GTIM 43	51,942
9	<b>Leader</b>	Virtual International Conference On Ubiquitous Education And Learning (VICUEL 2020)	15 June 2020 – 15 May 2021	Faculty of Social Sciences and Humanities, UTM & Universitas Negeri Malang: UTIM 96	57,600

## COMMERCIALISATION

NO	ROLE	NAME OF PRODUCT COMMERCIALISATION	DATE	TOTAL INCOME GENERATED (RM)
-				

## ENTREPRENEURSHIP

NO	SPIN OFF COMPANY (UTM)	TOTAL INCOME GENERATED (RM) (individual equity value based on audited company account in 3 years)
-		

## GRANT BASED ON INNOVATION AND UNIVERSITY COMMERCIALISATION

### PRODUCT

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
-								

### COMMUNITY PROJECT

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
-				

### COMMUNITY AND UNIVERSITY SERVICES

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
-					

### ENDOWMENT AND WAKAF TO UNIVERSITY

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
-		

### PATENT GRANTED AND FILING

NO	ROLE	NAME OF PATENT	STATUS OF PATENT	PATENT REGISTRATION NO.
1	Member	AN ONLINE INTERACTIVE MULTIMEDIA DICTIONARY (LEAD: ZAIDATUN BT. TASIR)	APPROVED	IP/PT/2007/0321

### COPYRIGHT

NO	ROLE	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	UTM REFERENCE NO	DATE APPROVED	YEAR APPLY
1	<b>Leader</b>	STRATEGI PEMBELAJARAN PENAAKULAN BERFOKUSKAN METAKOGNITIF - SPPBM PEMBEZAAN	Copyright No - MyIPO: LY2017005553	IP/CR/2016/2018: CRLY00010494	Surat Copyright 130(42) - 28/12/2017	2016
2	<b>Leader</b>	SPPD - SUM STRATEGI PEMBELAJARAN GEOMETRI TIGA	Copyright No - MyIPO: LY2018002349	IP/CR/2016/2017: CRLY00012429	Surat Copyright 133(88) - 14/6/2018	2016

		DIMENSI: PELAN DAN DONGAKAN MENERUSI PERISIAN DINAMIK SKETCHUP MAKE				
3	<b>Leader</b>	KEBARANGKALIAN (PROBACT) STRATEGI PEMIKIRAN MATEMATIK LUAR BILIK DARJAH	Copyright No – MyIPO: LY2017005959	IP/CR/2016/2016: CRLY00010264	Surat Copyright 131(6) - 24/1/2018	2016
4	<b>Leader</b>	UTM-MOOC MODULE FOR TOPIC: BASIC CONCEPTS OF WEBPAGE	Copyright No – MyIPO: LY2016003868	IP/CR/2016/1190	Surat copyright 113(75) - 10/10/2016	2016
5	Member	THE MODEL OF FLIPPED CLASSROOM FOR NON TECHNICAL SUBJECT (LEAD: HASNAH BINTI MOHAMED)	Copyright No – MyIPO: Yes	IP/CR/2016/0595		2016
6	<b>Leader</b>	MULTIPURPOSE RAINBOW POUCHES	Copyright No – MyIPO: LY2017005555	IP/CR/2016/2224 : CRLY00010496	Surat Copyright 130(40) - 28/12/2017	2016
7	<b>Leader</b>	LEARNING TROLLEY FOR PRIMARY SCHOOL CHILDREN	Copyright No – MyIPO: LY2017005564	IP/CR/2016/2226 : CRLY00010392	Surat Copyright 130(31) - 28/12/2017	2016
8	<b>Leader</b>	POLA BOLEH LARAS PAKAIAN TRADISIONAL KANAK-KANAK	Copyright No – MyIPO: LY2017005563	IP/CR/2016/2227: CRLY00010393	Surat Copyright 130(32) - 28/12/2017	
9	<b>Leader</b>	MOTIVASI GIGI CANTIK - MOGIC	Copyright No – MyIPO: LY2017005560	IP/CR/2016/2228: CRLY00010396	Surat Copyright 130(35) - 28/12/2017	2016
10	Member	MULTI-PURPOSE GEOMETRICAL INSTRUMENT (LEAD: NORAH BINTI MD NOOR)	Copyright No – MyIPO: Yes	IP/CR/2017/0410	Surat Copyright	2017
11	Member	KOTAK MAGIX MATH (LEAD: NORAH BINTI MD NOOR)	Copyright No – MyIPO:	IP/CR/2017/0411	Recommended Correction	2017
12	Member	INFINITY PORTABLE TOOL BOX (LEAD: NORAH BINTI MD NOOR)	Copyright No – MyIPO:	IP/CR/2017/0412	Recommended Correction	2017
13	Member	MOTOR-SKILLO BOARD (LEAD: NORAH BINTI MD NOOR)	Copyright No – MyIPO:	IP/CR/2017/0413	Recommended Correction	2017
14	Member	CUTIE PIE GARDEN - A LOW COST	Copyright No – MyIPO:	IP/CR/2017/0414	Recommended Correction	2017

		OUTDOOR PLACE FOR STUDENTS (LEAD: NORAH BINTI MD NOOR)				
15	Member	MAGNETIC KIT (LEAD: NORAH BINTI MD NOOR)	Copyright No – MyIPO:	IP/CR/2017/0415	Recommended Correction	2017
16	Member	MODUL SERVICE LEARNING ANTARABANGSA (LEAD: MOHD. FA'IZ BIN AHMAD)	Copyright No – MyIPO: Yes	IP/CR/2017/0591	Surat Copyright	2017
17	Member	INSTRUMEN PENILAIAN PELAKSANAAN KURIKULUM STANDARD SEKOLAH RENDAH DI SEKOLAH KURANG MURID (LEAD: SANITAH BTE MOHD YUSOF)	Copyright No – MyIPO: Yes	IP/CR/2017/0608	Surat Copyright	2017
18	Member	COMPREHENSIVE ACADEMIC PROGRAMME DEVELOPMENT AND IMPROVEMENT TRAINING PROGRAMME (LEAD: ZAINUDIN BIN ABU BAKAR)	Copyright No – MyIPO: Yes	IP/CR/2018/0297	Surat Copyright	2018
19	<b>Leader</b>	HAUSKA CARD GAME	Copyright No – MyIPO: LY2020004222	IP/CR/2018/0332:	Surat Copyright 150(72) - 13/10/2020	2018
20	<b>Leader</b>	3R MANUAL - CREATIVITY IN SUSTAINABILITY	Copyright No – MyIPO: LY2018006361	IP/CR/2018/0333: CRLY00016326	Surat Copyright	2018
21	Member	INOVASI UNTUK MEMBANTU MURID MENULIS HURUF VOKAL KECIL MENGIKUT URUTAN YANG BETUL (LEAD: MUHAMMAD KHAIR BIN NOORDIN)	Copyright No – MyIPO:	IP/CR/2018/0334	Submit	2018
22	Member	INOVASI PRODUK UNTUK KEMAHIRAN MENUKAR UNIT PANJANG (LEAD: MUHAMMAD KHAIR BIN NOORDIN)	Copyright No – MyIPO: Yes	IP/CR/2018/0335	Surat Copyright	2018
23	<b>Leader</b>	EASYBOT KIT	Copyright No – MyIPO:	IP/CR/2018/0336	Submit	2018

24	Member	PENGGUNAAN M3 ROBO UNTUK MENARIK MINAT DALAM PENGAJARAN SIFIR (LEAD: MUHAMMAD KHAIR BIN NOORDIN)	Copyright No - MyIPO:	IP/CR/2018/0338	Submit	2018
25	<b>Leader</b>	ROUNDING NUMBERS KIT	Copyright No - MyIPO: LY2018006210	IP/CR/2018/0341: CRLY00016163		2018
26	<b>Leader</b>	DESIGN AND DEVELOPMENT OF LEARNING ACTIVITIES FOR E-SERVICE LEARNING PROGRAM BASED ON AUTHENTIC LEARNING STRATEGY	Copyright No - MyIPO: Copyright No - MyIPO:	IP/CR/2018/0487: CRLY00022104	Surat Copyright 145(89) - 4/12/2019	2018
27	Member	MODUL PEMBELAJARAN KENDIRI (LEAD: SANITAH BTE MOHD YUSOF)	Copyright No - MyIPO:	IP/CR/2019/0235	Submit	2019
28	Member	3-IN-1 ALPHA LEARNING INSTRUMENT (LEAD: ZAINUDIN BIN ABU BAKAR)	Copyright No - MyIPO: Yes	IP/CR/2019/0310	Surat Copyright	2019
29	Member	ALPHATECH (LEAD: ZAINUDIN BIN ABU BAKAR)	Copyright No - MyIPO:	IP/CR/2019/0313	Secretariat Correction	2019
30	<b>Leader</b>	KIT ZOO-X	Copyright No - MyIPO: LY2019007365	IP/CR/2019/0315: CRLY00021811	Surat Copyright 145(26) - 27/11/2019	2019
31	<b>Leader</b>	EASY-GO MULTIFUNCTION PEN	Copyright No - MyIPO: LY2019007537	IP/CR/2019/0316: CRLY00022059	Surat Copyright 145(80) - 3/12/2019	2019
32	<b>Leader</b>	TENSE SPINNER	Copyright No - MyIPO:	IP/CR/2019/0317	Secretariat Correction	2019
33	Member	RMUTT JOB TRAINING ON PRODUCTION OF MEDIA INSTRUCTION (LEAD: NORASYKIN BINTI MOHD ZAID)	Copyright No - MyIPO: Yes	IP/CR/2019/0532	Surat Copyright	2019
34	Member	A REPORT ON FSSH UTM'S EXPERIENCE TOWARDS DIGITIZING EDUCATION (LEAD: NINA DIANA BINTI NAWI)	Copyright No - MyIPO: Yes	IP/CR/00841	Surat Copyright	2020

35	Member	INSTRUMEN PENAAKULAN ETIKA KEGURUAN UNTUK BAKAL GURU (LEAD: SANITAH BTE MOHD YUSOF)	Copyright No - MyIPO:	IP/CR/01193	Pending To Secretariat	2020
36	Member	KIT SUN, EARTH, MOON (SEM) (LEAD: NOOR DAYANA BINTI ABD HALIM)	Copyright No - MyIPO: Yes	IP/CR/01213	Surat Copyright	2020
37	Member	KERUSI KOMFI BELAJAR (LEAD: NOOR DAYANA BINTI ABD HALIM)	Copyright No - MyIPO:	IP/CR/01216	Recommended	2020
38	<b>Leader</b>	PELITA (PEN LITERASI SI-BU-PA-NA-LA)	Copyright No - MyIPO: LY2020005441	IP/CR/01238	Surat Copyright 154(47) - 16/11/2020	2020
39	<b>Leader</b>	FAT TO FIT CYCLE	Copyright No - MyIPO:	IP/CR/01268	Secretariat Correction	2020
40	<b>Leader</b>	SOLAR SYSTEM KIT	Copyright No - MyIPO:	IP/CR/01307	Recommended	2020
41	Member	INSTRUMENT FOR ACADEMIC RESEARCH WRITING COMPETENCIES	Copyright No - MyIPO:	IP/CR/01314	Secretariat Correction	2020