



UUM Experts



Name : Prof. Madya Dr. Arumugam A/L Raman
Phone : 04-9285409
Email : arumugam@uum.edu.my
School : Education and Modern Languages
Substantive Position : Associate Professor
Current Position : Associate Professor
Current Department : UUM College of Arts and Sciences

BACKGROUND

ACADEMIC QUALIFICATION

2006, PhD Komputer Dalam Pendidikan, USM, Universiti Sains Malaysia
2003, Master of Science Teknologi Maklumat, USM, Universiti Sains Malaysia
2000, Bachelor of Science Ekonomi, USM, Universiti Sains Malaysia
1996, Bachelor of Science Ekonomi (Perakaunan), The University of London, England
1991, Diploma Perguruan Sekolah Menengah (Pengajian Tamil), Maktab Perguruan Sultan Abdul Halim, Maktab Perguruan

AWARDS & RECOGNITIONS

OVERVIEW

The researcher is a faculty member in the school of Education and Modern Languages, College of Arts and Sciences in Universiti Utara Malaysia. His research interests include Educational Technology, Instructional Technology, Computers in Education, Educational Research Methodology, Technology and

ICT, Statistics for Educational Research and Partial Least Squares Structural Equation Modeling (PLS-SEM). He had engaged in many research projects and had received five grants including university, national (FRGS, RAGS) and college (Leads). The researcher is better known as an Educational Technologist and currently teaching ICT in Education, Research Methods and Statistics in Education. Besides, he has written International articles and books which have been published in national and international levels. He is a member of few Editorial boards for International Journals such as Journal of International Education Studies, International Journal of Education and Development using ICT, and Journal of Studies in Education. Furthermore, he is also a member of professional bodies namely International Association of Science and Technology for Development (IASTED), Theosophical Society, Association for Computing Machinery (ACM), Internet society (ISOC), and Qualitative Research Association of Malaysia. Apart from this, the researcher has in-depth knowledge of Tamil Siddha Philosophy. He too has been involved in community services through various ways.

RESEARCH AREA

1.	Educational Technology and Media
2.	Education Policy, Management and
3.	Web Based Courses

AREA OF EXPERTISE

1.	Computer-assisted instruction/learning
2.	PLS-Structural Equation Modelling
3.	e-Learning

PUBLICATION

Name in APA Format : Raman, A.

- (2014). Co-curricular management practices among novice teachers in malaysia. Asian journal of education and e-learning. 2(2), 119 - 125.
- (2014). Technology acceptance on smart board among teachers in terengganu using utaut model. Asian social science . 10(11), 84 - 91.
- (2014). Usage of learning management system (moodle) among postgraduate students: utaut model . Asian social science . 10(14), 186 - 192.
- (2014). The relationship between principals' technology leadership and teachers' technology use in malaysian secondary schools . Asian social science . 10(18), 30 - 36.
- (2014). Tpack confidence of pre-service teachers in universiti utara malaysia. Mediterranean journal of social sciences. 5(22), 167 - 175.
- (2014). Towards understanding the coping strategy student-athletes. International journal of physical and social sciences. 4(7), 54 - 63.
- (2015). Using facebook as a collaborative and communicative tool. Mediterranean journal of social sciences. 6(1 S1), 286 - 292.

- (2014). Emotional competency and efficacy of teachers:preschool education excellence indicator in malaysia . Journal of teaching and education. 03(03), 26 - 33.
- (2014). The problems faced by adolescents in adapting themselves with hostel life . The humanities and social sciences review (hssr). 03(04), 249 - 255.
- (2015). The type of culture at a high performance schools and low performance school in the state of kedah . International education studies. 8(2), 21 - 31.
- (2015). Organizational leadership and organizational commitment of kedah district education officers. Global journal of interdisciplinary social sciences (gjiss). 4(2), 7 - 12.
- (2015). Relationship between school climate and teachers' commitment in an excellent school of kubang pasu district, kedah, malaysia. Mediterranean journal of social sciences. 6(31), 163 - 173.
- (2015). The relationship between culture and organizational commitment among chinese primary school teachers. Mediterranean journal of social sciences. 6(2 S5), 93 - 100.
- (2015). Relationship between principals' transformational leadership style and secondary school teachers' commitment . Asian social science . 11(15), 221 - 228.
- (2015). Organizational culture and organizational commitment of kedah district education officers. International journal of management sciences. 5(5), 410 - 419.
- (2015). Relationship between principals' transformational leadership style and secondary school teachers' commitment. Asian social science . 11(15), 221 - 228.
- (2015). Teachers' attitude toward computer use in classroom practice. Scholars journal of arts, humanities and social sciences. 3(3A), 646 - 659.
- (2015). Usage of edublogs among malaysian secondary school students.. Mediterranean journal of social sciences. 6(5), 500 - 506.
- (2012). Perception, usage and obstacles of using ict in teaching english language among secondary school english teachers. An international journal of education & humanities. 1(1), 1 - 10.
- (2012). Perception of the mathematics teachers towards the usage of ict in teaching mathematics. An international journal of education & humanities. 3(1), 35 - 43.
- (2015). The association between attitude towards the implementation of staff development training and the practice of knowledge sharing among lecturers. International education studies. 8(12), 108 - 116.
- (2015). Skype in the english language classroom. International journal of humanities and social science research . 1(2), 97 - 101.
- (2015). Educational leadership competencies and malaysia education development plan 2013 – 2025 . International journal of innovation, creativity and change. 4(3), 615 - 625.
- (2015). Distributive leadership among leaders in effective schools. Journal of teaching and education. 4(3), 423 - 433.
- (2016). Servant-leadership as a predictor of teacher's trust on headmaster in betong division of sarawak, malaysia . International journal of humanities and social science research . 2(1), 27 - 31.
- (2016). The impact of headmaster's servant-leadership practices towards teachers' commitment in betong, district of sarawak. Scholars journal of arts, humanities and social sciences. 4(1B), 80 - 86.
- (2016). Influence of emotional intelligence on students' academic achievements. International journal of humanities and social science research . 2(3), 41 - 46.

- (2016). The effectiveness of student teams-achievement division (stad) cooperative learning on mathematics achievement among school students in sarikei district, sarawak . International journal of advanced research and development . 1(3), 17 - 21.
- (2016). The role of teacher leadership and extra-curricular activities in the construction of the soft skills of secondary school students in malaysia . International journal of academic research and development. 1(3), 89 - 95.
- (2016). Teams-achievement division (stad) cooperative learning on mathematics attitudes among secondary school students. International journal of advanced research and development. 1(2), 5 - 9.
- (2015). Distributive leadership among leaders in effective schools. Journal of teaching and education. 4(3), 423 - 433.
- (2016). The effectiveness of teacher leadership and the development of the soft skills among secondary school students in malaysia. International journal of innovation, creativity and change. 6(1), 299 - 310.
- (2017). Determining motivators and hygiene factors among excellent teachers in malaysia an experience of confirmatory factor analysis. International journal of educational management. 31(2), 78 - 97.
- (2017). The influence of emotional quotient (eq) towards novice teachers' work stress and organizational commitment . International journal of academic research and development. 2(2), 11 - 17.
- (2017). Exploring the ict literacy competence standard for teachers. International journal of research . 4(3), 292 - 295.
- (2017). Identifying the information literacy competence standards for teachers . International journal of research . 4(3), 303 - 311.
- (2017). Primary school teacher's self-efficacy in handling school bullying: a case study. International journal of english literature and social sciences (ijels) . 2(4), 187 - 202.
- (2017). Relationship between the technology leadership, ict facilitation, competency, commitments with effectiveness of teacher management in school: teachers ict practices as moderating factor. Journal for studies in management and planning. 3(10), 89 - 101.
- (2017). Relationship between technology leadership, ict facility, competency, commitments and teachers practices on implementations with effective teacher's management tasks in schools. Scholedge international journal of management & development. 4(9), 88 - 96.
- (2004). A study on the use of interactive web-based maps in the learning and teaching of geography. . Malaysian online journal of instructional technology . 2(3), 95 - 105.
- (2009). Web-based animated and interactive maps in distance education.. International journal of excellence in e-learning. 2(2), 1 - 10.
- (2011). University management information system (umis) acceptance among university student: applying the extended technology acceptance model (etam). Journal of studies in education. 1(1), 1 - 15.
- (2011). The usage of technology among education students in university utara malaysia: an application of extended technology acceptance model. The international journal of education and development using information and communication technology (ijedict). 7(3), 4 - 17.
- (2009). Potential of using web-based animated and interactive maps in teaching geography . Journal of instructional technology and distance learning,. 6(8), 1 - 10.
- (2018). The drill and practice application in teaching science for lower secondary students. international journal of education, psychology and counseling . 3(7), 100 - 1008.
- (2018). Principals' technology leadership and teachers' technology integration in the 21st century classroom. International journal of civil engineering and technology (ijciet) . 9(2), 177 - 187.

- (2018). Frog vle: teachers' technology acceptance using utaut model. International journal of mechanical engineering and technology. 9(3), 529 - 538.
- (2018). The influence of principals technology leadership and professional development on teachers' technology integration in secondary schools. Malaysian journal of learning and instruction. 15(1), 203 - 228.
- (2018). Relationship between technology leadership, ict facility, competency, commitments towards effectiveness of school mangement tasks in schools. Pedagogia: jurnal pendidikan. 7(1), 4 - 11.
- (2019). A mixed-method study of the epistemological teacher-beliefs towards educational research in classroom teaching practices. International journal of instruction. 12(4), 393 - 406.
- (2019). Flipping the undergraduate classroom: a case study. The journal of social sciences research. 5(1), 134 - 138.
- (2018). The effect of backchannel communication in developing students' critical thinking skills . The journal of social sciences research. Special Issue(6), 69 - 74.
- (2019). The usage of wim to enhance the acquisition of english language. Opcion revista de ciencias humanas y sociales. 19(35), 12 - 45.
- (2019). Principals' technology leadership and its effect on teachers' technology integration in 21st century classrooms . International journal of instruction. 12(4), 423 - 442.
- (2019). Potentials of fog computing in higher education. International journal of emerging technologies in learning. 14(18), 194 - 202.
- (2019). Importance of technology leadership for technology integration: gender and professional development perspective. Symmetry. 9(4), 1 - 13.
- (2020). Trello virtual learningandits effectonstudents' critical thinkingskillsinessay writing. International journal of advanced science and technology. 29(7s), 815 - 824.
- (2020). The influence of instructional leadership,teacher efficacy and school climate on students' academic achievements. Hamdard islamicus. 43(1), 1 - 11.
- (2020). The influence of business studies teachers' competency on students' academic achievement. International journal of psychosocial rehabilitation. 24(6), 7822 - 7835.
- (2020). Effect of instructional leadership, principal efficacy, teacher efficacy and school climate on students' academic achievements. Academic journal of interdisciplinary studies. 9(3), 82 - 92.
- (2020). Factors affecting successful implementation of blended learning at higher education. International journal of instruction, technology, and social sciences. 1(1), 13 - 23.
- (2020). The great challenge of malaysian school leaders' instructional leadership: can it affect teachers' functional competency across 21st century education? . Universal journal of educational research . 8(6), 2436 - 2443.
- (2020). The influence of knowledge and skills on technology integration in jordanian schools' social studies teaching. Talent development and excellence. 12(2), 2338 - 2347.
- (2020). Blended learning via google classroom: english language students experience based on utaut model and flow theory. Hamdard islamicus. 43(1), 172 - 182.
- (2020). Technological sources influencing technology integration in social studies teaching in jordanian school. International journal of advanced science and technology. 29(4), 4613 - 4624.
- (2020). Models of technology leadership: a conceptual approach. Hamdard islamicus. 43(2), 415 - 433.

- (2013). Preservice teachers' acceptance of learning management software: an application of the utaut2 model. *International education studies*. 6(7), 157 - 164.
- (2013). Issues of ict usage among malaysian secondary school english teachers. *English language teaching*. 6(9), 74 - 82.
- (2012). Gender perception of the mathematics teachers towards the usage of media materials in teaching mathematics. . *International journal of instructional technology and distance learning*. 9(11), 3 - 12.
- (2014). Tpack confidence of pre-service teachers in universiti utara malaysia. *Proceedings of the international conference on social sciences*. 2(), 156 - 164.
- (2014). Facebook as a collaborative and communication tool: a study of secondary school students in malaysia. *International conference on communication and media 2014*. 155(), 141 - 146.
- (2014). Exploring native speaker and non-native speaker accents: the english as a lingua franca perspective. *International conference on communication and media 2014*. 155(), 253 - 259.
- (2015). Technology in foreign and second language instruction . *International conference on language, literature, culture and sustainability*. 1(), 13 - 21.
- (2015). Usage of edublogs among malaysian secondary school students. *Proceedings of the international conference on social sciences*. II(), 168 - 176.
- (2015). The relationship between culture and organizational commitment among chinese primary school teachers. *Proceedings of the international conference on social sciences*. 11(), 181 - 191.
- (2015). Pppm 2013 – 2025 : anjakan ke 5, kenapa kepimpinan distributif?. *Seminar kebangsaan majlis dekan-dekan pendidikan universiti awam 2015*. 1(), 58 - 76.
- (2015). Skype in the english language classroom. *Proceeding - kuala lumpur international communication, education, language and social sciences 1 (klicels1)*. 1(1), 20 - 27.
- (2015). Pembinaan model 1sekolah ke arah merelaisasikan konsep 1malaysia: satu pendekatan pendidikan multi budaya. *International conference on entrepreneurship business and social science* . 1(), 00 - 00.
- (2016). Penggunaan aplikasi sistem maklumat pengurusan sumber manusia (hrmis)dalam kalangan kakitangan jabatan pendidikan negeri. *Seminar majlis dekan-dekan pendidikan universiti awam 2016*. 1(), 464 - 472.
- (2017). The effectiveness of drill and training methods in science subject among form one students. *International seminar on islam, culture and heritage: socio-political and economic issues (sustainability of knowledge)* . 1(), 28 - 39.
- (2017). The effectiveness of drill and training methods in science subject among form one students. *International seminar on islam, culture and heritage: socio-political and economic issues, "sustainability of knowledge"*. 1(), 28 - 39.
- (2018). Permenant night shift working abstain among factory workers. *Sidkun 2018*. 3(), 313 - 320.
- (2019). Self-efficacy and gender in undergraduate flipped classroom. *Society for information technology & teacher education international conference*. 1(), 1683 - 1688.
- (2019). The effectiveness of using think-pair-share (tps) strategy in developing students' critical thinking skills. *Proceeding of academicsera* . (), 32 - 36.
- (2015). Tun v.t. sambanthan pembela masyarakat india di malaysia, UNIVERSITI UTARA MALAYSIA, SINTOK:UUM PRESS UNIVERSITI UTARA MALAYSIA

(2013). Kaedah analisis & interpretasi data , Universiti Utara Malaysia:UUM Press

(2011). Instructional technology, NEW DELHI:APH PUBLISHING CORPORATION

(2009). Panduan menganalisis dan menginterpretasi data, UUM Press:UNIVERSITI UTARA MALAYSIA

(2018). Teks efektif stpm penggal 2, SELANGOR:PENERBIT ILMU BAKTI

(2018). Teks efektif stpm pengajian am, SELANGOR, MALAYSIA:ILMU BAKTI

(2019). Redesigning higher education initiatives for industry 4.0, Hershey, PA 17033, USA :IGI Global

(2010). Ict in education, SINTOK, KEDAH:PENERBIT UUM

(2013). Kaedah analisis & interpretasi data, SINTOK, KEDAH:UUM PRESS

(2006). Praktis pra -pmr tingkatan 2 english, Kuala Lumpur:Pelangi Sdn. Bhd

(2005). Encyclopedia of distance learning, : Idea Group Inc

(2009). Distance learning and educational technology in malaysia, Encyclopedia of distance learning (pp. 676 - 689), Hershey, PA:IGI Global

(2019). Heutagogy approach using trello online learning on the critical thinking skills amongst students with different learning styles. , Redesigning higher education initiatives for industry 4.0 (pp. 41 - 55), Hershey: IGI Global

(2019). Blended learning in higher education 4.0: a brief review., Redesigning higher education initiatives for industry 4.0 (pp. 70 - 84), Hershey:IGI Global

RESEARCH

Rfid applicability in education (2020), Leader, ANTARABANGSA

Customer's acceptance of new trading software (uwt) 2/2020 (2020), Leader, ANTARABANGSA

The effect of blended learning on perception, achievement, engagement in higher education: a bibliometric analysis (2019), Leader, PERSENDIRIAN

Kesan pembelajaran maya trello terhadap pemikiran kritis makro pelajar menengah atas (2018), Member, KEMENTERIAN/AGENSI LAIN

Kepimpinan teknologi dan pengintergrasian teknologi sekolah menengah kebangsaan di negeri kedah: pembangunan professional sebagai faktor moderator (2018), Leader, UNIVERSITI

Hubungan kepimpinan teknologi pengetua dengan penggunaan komputer guru (2015), Leader, UNIVERSITI

Pembangunan standard kompetensi literasi ict kebangsaan (nicts) untuk guru-guru: kajian delphi (2015), Leader, UNIVERSITI

Developing a framework of malaysian and asean business communicative and intercultural competence (mabcic) (2015), Member, KPT

Hubungan antara kepimpinan teknologi fasilitif, komitmen dan kompetensi guru dengan keberkesanan tugas pengurusan menggunakan komputer di sekolah (2015), Leader, UNIVERSITI

Pembangunan standard ict kebangsaan (nicts) untuk mengukur kompetensi literasi ict guru-guru dan pegawai kementerian: kajian delphi (2014), Leader, KPT

Kompetensi lisan guru bahasa melayu sekolah kebangsaan tamil dalam pengajaran bahasa melayu sebagai bahasa kedua (2014), Leader, UNIVERSITI

Relationship between affective and cognitive factors, spatial visualization and mathematic achievement among middle school in jordan (2013), Member, UNIVERSITI
International students perceptions of service quality in postgraduate education context: a mixed mode approach (2013), Leader, UNIVERSITI
Peranan pengetua dalam merealisasikan integrasi ict dalam pengajaran dan pembelajaran dalam sekolah menengah (2012), Leader, KPT
Pencapaian matematik berdasarkan simbol, graf dan penyelesaian masalah matematik sekolah menengah (2012), Member, UNIVERSITI
Kompetansi lisan guru sekolah jenis kebangsaan tamil dalam pengajaran bahasa melayu sebagai bahasa kedua (2012), Leader, UNIVERSITI
Ict integration framework in history subject (2011), Leader, UNIVERSITI
Kursus instruksional dan pembangunan andragogi (kipa) (2011), Member, INDUSTRI
An exploratory study of the effectiveness of my access!!@ in improving teachers' writing skills (2011), Member, UNIVERSITI
Designing 1school model: towards realizing the 1malaysia concept and multicultural education in the 21st century (2010), Member, KPT
Persepsi, cabaran dan penggunaan teknologi maklumat dan komunikasi dalam pengajaran literasi (2009), Leader, UNIVERSITI

TEACHING

UNDERGRADUATE TEACHING

NO	COURSE CODE	COURSE NAME
1	SGDM2013	FOUNDATION OF MULTIMEDIA TECHNOLOGY IN EDUCATION
2	GDT2063	EDUCATIONAL TEKNOLOGY
3	GDT3133	ICT IN EDUCATIONAL MANAGEMENT
4	SGDT4013	TECHNOLOGY AND INNOVATION IN EDUCATION
5	SDG1021	THINKING SKILL
6	GDX2018	PRACTICUM / PRACTICAL TEACHING
7	SDG3011	MANAGEMENT ETHICS
8	SGDM3013	GRAPHIC AND ANIMATION DEVELOPMENT FOR EDUCATION
9	SDG2011	PERSONAL FINANCIAL PLANNING
10	EEP1032	PERSONAL DEVELOPMENT AND CHARACTER BUILDING
11	SGDM3023	AUDIO-VIDEO DEVELOPMENT FOR EDUCATION
12	SGDA2133	TEKNOLOGI MAKLUMAT DAN KOMUNIKASI DALAM PENDIDIKAN
13	SGRZ4013	PROJECT PAPER
14	SDG3021	PATRIOTISM AND VOLUNTEERISM

15	SGDK3033	INFORMATION TECHNOLOGY TEACHING METHODS
16	SDG2031	LIVING IN THE MULTI-CULTURAL SOCIETY
17	SGDX2018	PRACTICUM / PRACTICAL TEACHING
18	SGDM3033	MULTIMEDIA COURSEWARE DEVELOPMENT
19	SGDP2013	STATISTICS IN EDUCATION
20	SDG1011	HIGH TOUCH COMMUNICATION
21	EEP2032	LIVING IN THE MULTI-CULTURAL SOCIETY
22	SGRX4014	PRACTICUM
23	SGDM4023	REKA BENTUK AUDIO DAN VIDEO UNTUK PENDIDIKAN
24	SDG1031	PERSONAL DEVELOPMENT AND CHARACTER BUILDING
25	SGRR4013	RESEARCH METHOD ON PRIMARY SCHOOL

POSTGRADUATE TEACHING

NO	COURSE CODE	COURSE NAME
1	SGDT5013	IT IN EDUCATION
2	SGDT5033	INSTRUCTIONAL DESIGN
3	SZRZ6014	RESEARCH METHODOLOGY
4	SGDP5053	STATISTICS IN EDUCATION
5	SGDU5074	STRATEGIC MANAGEMENT IN EDUCATION
6	SGDP6133	Quantitative Data Analysis in Education
7	SGDT6063	RESEARCH IN INSTRUCTIONAL TECHNOLOGY
8	SGDT7024	ADVANCED RESEARCH IN INSTRUCTIONAL TECHNOLOGY

CONSULTATION