CURRICULUM VITAE

Prof. Ts. Dr. Burhanuddin bin Mohd Aboobaider

M.A. BURHANUDDIN BIOGRAPHY

M.A. Burhanuddin is a Professor in the Faculty of Information and Communication Technology (FTMK), Universiti Teknikal Malaysia Melaka (UTeM). Currently, he is a Director of UTeM International Office. He received a Diploma in Computer Science in 1995, Bachelor of Computer Science in 2002, Master of Science in 2004 and Ph.D. in Computer Science in 2009. He is a former Head of Smart Computing and Business Intelligent Cluster in Advanced Manufacturing Centre. He is a former Deputy Dean of Research and postgraduate Studies in FTMK. He is a former Head of Department of Industrial computing, FTMK. He is a former Biomedical and Engineering Research Group Leader in UTeM. M.A. Burhanuddin has been active at all levels of the university development in FTMK, UTeM. He was appointed as one of the team members from Malaysia to set up Faculty of Computing and Information Technology, King Abdulaziz University Rabigh, Kingdom of Saudi Arabia. He has a huge experience in managing research grants and supervises many undergraduate and postgraduate students. He has a working experience with corporate sectors, including Intel Technology Sdn. Bhd., Esso Production Incorporations and Rubber Industrial Development Authorities. His teaching and research interests focus on multiple criteria decision making models, computational modeling, decision support system, optimization techniques, operational research, artificial intelligence, machine learning, soft computing and healthcare informatics areas. He was awarded Bronze Medal in Malaysia Technology Expo 2009 (MTE 2009) with product "Web Based Maintenance Decision Support System for Small and Medium Industries", Silver Medal in UTeM Exhibition Expo 2015 (UTeMEX 2015) with product "My Intelligent Vacation Planner Application" and Bronze Medal in UTeM Exhibition Expo 2017 (UTeMEX 2017) with product "Big Data Analytics: Sentiment Analysis Prototype for Telecommunications Providers in Malaysia".

A. PERSONAL PARTICULARS

Position: Director

UTeM International Centre

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Sex: Male

Nationality: Malaysian

B. INTEREST AND HOBBIES

Research, reading, traveling, teaching, jungle tracking

C. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

YEAR	DEGREE	DISCIPLINE	UNIVERSITY
2009	Doctor of Philosophy	Computer Science	Universiti Teknologi Malaysia (UTM), Johor, Malaysia
2004	Master of Science	Mathematics	Universiti Sains Malaysia (USM), Pulau Pinang, Malaysia
2002	Bachelor of Science	Computer	Universiti Teknologi Malaysia (UTM), Johor, Malaysia
1994	Diploma	Computer Science	Universiti Teknologi MARA (UiTM), Selangor, Malaysia
1987	Malaysian Certificate of Education	Science	Sek. Men. Keb. (A) Al-Irsyad, Kepala Batas, Pulau Pinang, Malaysia
1985	Malaysian Lower Cert. of Education	Science	Sek. Men. Keb. (A) Al-Mashoor, Pulau Pinang, Malaysia

PRIMARY/SECONDARY SCHOOL

1986 – 1987 : Sek. Men. Keb. Al-Irsyad, Seberang Perai

Achievement : Grade 1 in Malaysian Secondary School Examination

1983 – 1986 : Secondary school: Sek. Men. Keb. Al-Mashoor, Pulau Pinang, Malaysia

Achievement : Grade A in Malaysian Lower Certificate Education

1977-1982 : Sek. Keb. Bagan Jermal, Butterworth, Malaysia

D. WORKING EXPERIENCE

a) ACADEMIC SECTOR

2012 – Present	Universiti Teknikal Malaysia Melaka (UTeM)
Position	Associate Professor
2010 – 2012	King Abdul Aziz University, Saudi Arabia
Position	Associate Professor
2004 – 2010	Universiti Teknikal Malaysia Melaka (UTeM)
Position	Senior Lecturer
2004	Open University Malaysia (OUM)
Position	Lecturer
2003 – 2004	Universiti Teknologi MARA (UiTM)
Position	Lecturer
2002 – 2003	Universiti Sains Malaysia (USM)
Position	Tutor

b) INDUSTRIAL SECTOR

1995 - 2000	Intel Technology Sdn. Bhd.
Position	Factory Automation Supervisor
1994 – 1995	ESSO Production Malaysia Inc.
Position	Programmer
1990 – 1992	Rubber Industrial Smallholder Development Authority (RISDA)
Position	Clerk

E. CONSULTANCY AND PROFESSIONAL SERVICES

Consultancy and professional experience:

1) Examiner of the Mathematics paper in Matriculation Centre, Ministry of Education, Government of Malaysia.

2) Information Technology consultant for Licindah Car Care Sdn. Bhd.

3) Secondment in King Abdulaziz Universiti Rabigh, Kingdom of Saudi Arabia. Consultancy work, including advisory, research, curriculum review etc.

4) Reviewer for EDAS Conference and Journal Management.

5) Member of the professional bodies, i.e. The International Association of Computer Science and Information Technology (IACSIT), The Science and Engineering Institute (SCIEI) and The International Association of Engineers (IAENG).

6) Consultancy service on innovative business idea in Arena Success (Rawang) Sdn. Bhd., Rawang, Selangor.

7) Conduct lecture at Politeknik Ungku Omar, Ipoh, Perak (UTeM Holdings program).

8) Master Degree Project's supervision in Politeknik Ungku Omar, Ipoh, Perak (UTeM Holding program).

9) Academic advisor for Kolej Universiti Islam Melaka, Melaka for Management Information System Program.

10) Lecturer in Kolej Poly-Tech MARA, Batu Pahat, Johor (UTeM Holding program).

11) Academic Advisor for Kolej Mighty Skills, Negeri Sembilan.

12) Judge in the 8th Malaysian Technical Universities Conference 2014 (MUCET) held in Hotel Mahkota, Melaka from 10 to 11th Nov. 2014.

13) Judge in the 6th International Conference on Postgraduate education 2014 (ICPE6) held in UTeM Main Hall, Melaka from 17 to 18th Dec. 2014.

14) Judge for Research and Innovation Program MARA.

15) Evaluator of Fundamental Scheme Grants, Department of Higher Education, Malaysia.

16) Editorial Board for Journal Technology Special Issue: Intelligence and Interactivity for Future Computing.

17) Conduct lecture at KTPM, Batu Pahat, Johor (UTeM Holdings consultant).

18) Judge in the Global I-Lead STEM Camp (GISC2018) held in Universiti Putra Malaysia, Serdang, Selangor from 16 to 21st Dec. 2018.

F. TEACHING EXPERIENCE

1) University Teknikal Malaysia Melaka (2004-present): Conduct lectures, labs and tutorials to post-graduate and under-graduate students. The courses include, "Theory of Computation", "Artificial Intelligence", "Evolutionary Computing", "Genetic Algorithms", "Artificial Neural Network", "Network Project Management", "Calculus", "Numerical Analysis", "Linear Algebra" and "Discrete Mathematics".

2) King Abdulaziz University (2010-2012): Conduct lectures, labs and tutorials to under-graduate students. The courses include, "Computer Organizations and Architecture", "System Administration and Maintenance", "Data Mining and Business Intelligence" and "Mathematics for Computing".

3) Open University Malaysia (2004): Conduct lectures, labs and tutorials to under-graduate students. The courses include, "Computer, Data Processing, Analysis and Data Modelling".

4) Universiti Teknologi MARA (2003-2004): Conduct lectures, labs and tutorials to under-graduate students on "Calculus for Mechanical Engineering students".

5) Universiti Sains Malaysia (2002-2003): Conduct lectures, labs and tutorials to post-graduate and under-graduate students on "Statistics".

G. RESEARCH FIELD/INTEREST

Multiple criteria decision making models, computer science, information system, computational modeling, decision support system, optimization techniques, operational research, artificial intelligence, machine learning, big data analytics, soft computing, information technology and healthcare informatics.

H. RESEARCH AND PUBLICATIONS

a) Research Papers

1) **M.A. Burhanuddin**. *Reliability analysis of delay in repair time using hazard models*. Regional Conference on Integrating Technology in the Mathematical Science Conference. Penang, Malaysia. School of Mathematical Sciences, Universiti Sains Malaysia. 14 April 2003.

2) **M.A. Burhanuddin**. *Non-parametric reliability analysis of troubleshooting time performance*. National Conference of Management Science and Operations Research (NCMSOR'03). Economics Faculty, Universiti Kebangsaan Malaysia. Melaka, Malaysia. 25 June 2003.

3) **M.A. Burhanuddin**, A.R. Ahmad, N. Jigeesh and M.I. Desa. *Semi-parametric Reliability Analysis of Repair time data*. Postgraduate Annual Research Seminar (PARS'05). Postgraduate Studies Department, FSKSM, UTM, Johor, Malaysia. 2005.

4) **M.A. Burhanuddin**, A.R. Ahmad and H. Habibollah. *Modeling and Analysis of Repairable System for Quality Corrective Maintenance Management Using Neural Network*. Postgraduate Annual Research Seminar (PARS'06). Postgraduate Studies Department, FSKSM, UTM, Johor, Malaysia. 2006.

5) **M.A. Burhanuddin**, A.R. Ahmad and M.I. Desa. *Collective Approach for Repair time Analysis*. International IEEE Conference on Industrial Informatics (INDIN'06). The Singapore Institute of Manufacturing Technology and IEEE Industrial Electronics Society. Singapore. 2006.

6) **M.A. Burhanuddin**, A.R. Ahmad and M.I. Desa. *An Application of Decision Making Grid to Improve Maintenance Strategies in Small and Medium Industries*. International IEEE Conference on Industrial Electronics and Applications (ICIEA'07). The Harbin Institute of Technology and IEEE Industrial Electronics Society. Harbin, China. 2007.

7) **M.A. Burhanuddin**, A.R. Ahmad and M.I. Desa. *Maintenance Strategies Mapping using Decision Making Criteria Analysis in Small and Medium Industries*. Postgraduate Annual Research Seminar (PARS'07). Postgraduate Studies Department, FSKSM, Johor. Malaysia. 2007.

8) **M.A. Burhanuddin**, A.R. Ahmad and M.I. Desa. *Maintenance Decision Making Model using Multiple Criteria Analysis for Small and Medium Industries*. Journal Information Technology, UTM. Malaysia. 2007.

9) **M.A. Burhanuddin**, A.R. Ahmad, M.I. Desa, M.Y. Zeratul and R. Sazalinsyah. *Computerized Maintenance Management System for Food Processing Industries*. Seminar Pencapaian Penyelidikan Universiti Teknikal Malaysia Melaka. The conference organized by the University Industry Centre, Universiti Teknikal Malaysia Melaka. ISBN 978-983-2948-24-7. Vol. 1, pp. 141-147. Kuala Lumpur, Malaysia. 2008.

10) **M.A Burhanuddin**, A.R. Ahmad, M.I. Desa and M.Y. Zeratul. *Decision Support Approach to Computerized Maintenance Management System: Development and Implementation in Food Processing Industry*. The Malaysian Technical Universities Conference on Engineering and Technology (MUCET'08). The conference organized by the Universiti Malaysia Perlis. Vol. 2, pp. 503-509. Perlis, Malaysia. 2008.

11) **M.A Burhanuddin**, A.R. Ahmad, M.I. Desa and Anton Satria Prabuwono. *An Improved Decision Making Grid Model to Identify Maintenance Strategies*. The International Conference on Plan Equipment and Reliability (ICPER'08). Universiti Teknologi Petronas and Institution of Mechanical Engineers. Petaling Jaya, Malaysia. 2008.

12) **M.A. Burhanuddin**, A.R. Ahmad, M.I. Desa and M.Y. Zeratul. *Computerized Maintenance Management System for Food Processing Small and Medium Industries*. Poster publication Universiti Teknikal Malaysia Melaka Research and Innovation Exhibition. University Industry Centre, Universiti Teknikal Malaysia Melaka. 2008.

13) Zulkifli Tahir, Anton Satria Prabuwono, **M.A. Burhanuddin** and Habibullah Akbar. *A Review of Optimization Models and Techniques for Maintenance Decision Support Systems in Small and Medium Industries*. The International Conference on Electrical Engineering and Informatics (MICEEI'08). The Dept. of Electrical Engineering, Hasanuddin University. ISBN: 978-979-18765-0-6. Vol. 1, pp. 153-158. Makassar, Indonesia. 2008.

14) Zulkifli Tahir, Anton Satria Prabuwono and **M. A. Burhanuddin**. *Maintenance Decision Support System in Small and Medium Industries: An Approach to New Optimization Model*. The International Journal of Computer Science and Network Security, ISBN: 1738-7906. Vol.8, No.11, pp. 155-162. Seoul, Korea. 2008.

15) Anton Satria Prabuwono, **M.A. Burhanuddin** and Samsi Md. Said. *Autonomous Contour Tracking Using Staircase Method for Industrial Robot*. The International IEEE Conference on Control, Automation, Robotics and Vision (ICARCV'08). The Nanyang Technological University and IEEE Computational Intelligence Society. Vol. 1, pp. 2272-2276. Hanoi, Vietnam. 2008.

16) Zulkifli Tahir, Anton Satria Prabuwono, **M.A Burhanuddin** and Habibullah Akbar. *Maintenance Decision Support Fuzzy System in Small and Medium Industries using Decision Making Grid*. The International IEEE Conference on Advanced Computer Theory and Engineering (ICACTE'08). The conference organized by the IEEE Computer Society. ISBN 978-0-7695-3489-3/08, pp. 680-684. Phuket Island, Thailand. 2008.

17) **M.A. Burhanuddin**, A.R. Ahmad, M.I. Desa and M.Y. Zeratul. *Computerized Maintenance Management System for Food Processing Small and Medium Industries*. Poster publication, UTeM Research and Innovation Exhibition. Melaka State government. MITC, Melaka, Malaysia. 2008.

18) **M.A. Burhanuddin** and A.R. Ahmad. *An Improved Decision Making Grid Model for Food Processing Small and Medium Industries*. The Proceedings Towards Excellence in Computer Science Postgraduate Research (PARS'08). Universiti Teknologi Malaysia. Johor, Malaysia. 2008.

19) **M.A. Burhanuddin**, Fahmi Arif, V. Azizah, Anton Satria Prabuwono. *Barriers and Challenges for Technology Transfer in Malaysian Small and Medium Industries*. International Conference on Information Management and Engineering (ICIME'09). IEEE Computer Society and Singapore Institute of Electronics. ISBN: 978-0-7695-3595-1. Vol. 1, No. pp 258-261. Malaysia. 2009.

20) **M.A. Burhanuddin**, A.R. Ahmad, M. A. Islam and Anton Satria Prabuwono. *Reliability Analysis of Repair Time Data Using Semi-Parametric Measures*. The European Journal of Scientific Research. ISSN 1450-216X, Vol.33, No.4, pp.692-702. EuroJournals Publishing, Inc. 2009.

21) Zulkifli Tahir, **M. A. Burhanuddin**, A.R. Ahmad, Sami M. Halawani and Fahmi Arif. *Improvement of Decision Making Grid Model for Maintenance Management in Small and Medium Industries*. The IEEE International Conference on Industrial and Information Systems (ICIIS'09). The Faculty of Engineering, University of Peradeniya, Sri Lanka. Vol. 1, pp. 598-603. ISBN: 978-1-4244-4837-1. Sri Lanka. 2009.

22) Peh P.T.E., Choo, W.H., **M. A. Burhanuddin**. *The Intelligent Vacation Planner System using Ant Colony Optimization*. The Proceedings of The International Conference on Computer and Computational Intelligence (ICCI2010). IEEE. Nanning, China. 2010.

23) Sami M. Halawani, **M.A. Burhanuddin**. *Machine Repositioning for DMG Analysis Based on the Maintenance Cost*. IEEE International Conference on Computational Intelligence, Modelling and Simulation. Vol. 6, pp. 267 -272, ISBN: 978-0-7695-4262-1. Bali, Indonesia. 2010.

24) **M. A. Burhanuddin**, Sami M. Halawani, A.R. Ahmad, Zulkifli Tahir. *Contractor selection for maintenance in Small and Medium Industries using Analytical Hierarchy Process*. IEEE International Conference on Computer Science and Information Technology. Vol. 6, pp. 368-372, ISBN: 978-1-4244-5540-9/10. Chengdu, China. 2010.

25) Zulkifli Tahir, **M. A. Burhanuddin**, Anton Satria Prabuwono. *A Novel of Hybrid Maintenance Management Models for Industrial Applications*. Proceedings of Makassar International Conference on Electrical Engineering and Informatics (MICEEI). Department of Electrical Engineering, Universitas Hasanuddin and IEEE Communication Society Indonesia. ISBN: 978-602-8509-15-2, pp. 311-316. Makassar Golden Hotel Indonesia. 2010.

26) Anton Satria Prabuwono, Samsi Md. Said, **M.A. Burhanuddin**. *Logic Algorithm for contour following task: An evaluation using Adept SCARA Robot*. International Journal of Computer Sciences and Engineering Systems. Vol.4, No. 3, pp. 185-190. ISSN: 0973-4406. 2010.

27) Zulkifli Tahir, **M.A. Burhanuddin**. *An Analytic Hierarchy Process Approach for Maintenance Strategy in Small and Medium Industries*. Makassar International

Conference on Electrical Engineering and Informatics (MICEEI'11). Vol. 3, pp. 311 - 316. ISBN: 978-602-8509-15-2. Makassar, Indonesia. 2011.

28) **M. A. Burhanuddin**, Sami M. Halawani, A.R. Ahmad. *A Costing Analysis For Decision Making Grid Model In Failure-Based Maintenance*. International Journal of Advances in Decision Sciences. Hindawi Publishing Corporation. Article ID 205039. Vol. 1, pp. 1-15. DOI: 10.1155/2011/205039. 2011.

29) **M. A. Burhanuddin**, Sami M. Halawani, A.R. Ahmad and Zulkifli Tahir. *Failure-based Maintenance Decision Support System using Analytical Hierarchical Process*. International Journal of Advanced Computer Science. Vol. 1, no. 1, pp. 1-9. 2011.

30) Perly Peh Thai Ee, Yun-Huoy Choo, **M. A. Burhanuddin**. *The Intelligent Vacation Planner System using Ant Colony Optimization*. International Journal on Procedia Engineering. pp. 1-10, Elsevier. 2011.

31) M. A. Burhanuddin, Sami M. Halawani, A.R. Ahmad. *Maintenance Performance Indicators using Hybrid Models for Food Processing Industries*. International Journal of Advancements Computer Technology. Vol. 4, No. 13, pp. 94-106. 2012.

32) P. Perly Thai Ee, C. Yun-Huoy, **M.A. Burhannudin**. *The Intelligent Vacation Planner System Using Ant Colony Optimization*. International Conference on Computer and Computational Intelligence. 2012.

33) **M. A. Burhanuddin**, Sami M. Halawani, A.R. Ahmad. *Selecting the Most Efficient Maintenance Strategy using Computerized Maintenance Decision Grid* Model. Applied Mathematics and Information Sciences. 2012.

34) Asmala Ahmad, **M. A. Burhanuddin**, Mohd. Khanapi Abdul Ghani, Sazalinsyah Razali, Saari Mohamad Isa, Noorazuan Md. Hashim. *A Localised Cloud Detection and Masking Method Using Spectral Analysis*. Australian Journal of Basic and Applied Sciences. 2013.

35) Nor Syuhada Che Khalid, **M. A. Burhanuddin**, Asmala Ahmad, Ghani M.K.A. *Classification Techniques in Blood Donors Sector – A Review*. Software Engineering Postgraduates Workshop, Universiti Teknikal Malaysia Melaka. 2013.

36) Nurul Iman Saiful Bahari, Asmala Ahmad and **M. A. Burhanuddin**. *Application of support vector machine for classification of multispectral data*. 7th IGRSM International Remote Sensing & GIS Conference and Exhibition. Earth and

Environmental Science 20. 012038 doi:10.1088/1755-1315/20/1/012038. IOP Publishing Ltd. 2013.

37) Peh P.T.E., Choo, W.H., **M. A. Burhanuddin**. *Cloud-Mobi Framework using Hybrid AHP-ACO Method for Social Interaction and Travel Planning*. The International Conference on Intelligent Systems Design and Applications (ISDA2013), Universiti Putra Malaysia. 2013.

38) **M. A. Burhanuddin**, M. K. A. Ghani, Asmala Ahmad, Zuraida Abal Abas and Zerratul Izzah. *Reliability Analysis of the Failure Data in Industrial Repairable Systems due to Equipment Risk Factors*. Applied Mathematical Sciences, Vol. 8, no. 31, pp. 1543 – 1555. 2014.

39) Asmala A, **M. A. Burhanuddin**, Mohamad Isa, M.S. *Temporal Changes in Urban Green Space Based on Normalized Difference Vegetation Index*. Applied Mathematical Sciences. Vol. 8, no. 55, pp. 2743 – 2751. 2014.

40) S. Suhailan, S. Abdul Samad and **M. A. Burhanuddin**. *A Perspective Of Automated Programming Error Feedback Approaches In Problem Solving Exercises*. Journal of Theoretical and Applied Information Technology. Vol. 70, No.1, pp. 121-129. ISSN: 1992-8645. E-ISSN: 1817-3195. 2014.

41) Z. Abal Abas, S. Salleh, S. Ilias, A. F. N. Abdul Rahman, A. S. Shibghatullah, **M.A. Burhanuddin** and S. Sidek. *An Insight into the Science of Unstructured Meshes in Computer Numerical Simulation*. Applied Mathematical Sciences, Vol. 8, no. 171, pp. 8493-8516. 2014.

42) Tahir, Z. Ahmad, A., Nur, I.M., Anugrahyani, **M.A. Burhanuddin** and Kobayashi, S. *Using Genetic Algorithm to bridge Decision Making Grid data gaps in Small and Medium Industries*. Makassar International Conference on Electrical Engineering and Informatics (MICEEI2014), pp. 114-117. ISBN. 978-1-4799-6725-4. 2014.

43) Bahari, N.I.S., Ahmad, A. and **M. A. Burhanuddin**. *Application of support vector machine for classification of multispectral data*. IOP Conference Series: Earth and Environmental Science. Vol. 20, p.1. 2014.

44) Suhailan Safei, Abdul Samad Shibghatullah and **M. A. Burhanuddin**. *Enhanced k-Mean Clustering Algorithm Using Expert Features Weighting For Assisted Programming Feedback*. The 6th International Conference on Postgraduate

Education. Melaka, Malaysia, 17-18 December 2014. Universiti Teknikal Malaysia. Melaka. 2014.

45) S. Suhailan, S. Abdul Samad, **M. A. Burhanuddin** and M.K. Yusof. *Targeted Ranking-Based Clustering Using AHP K-Means*. International Journal Advance Soft Computing Applications. Vol. 7, No.3, pp. 2074-8523. ISSN: 2074-8523. 2015.

46) **M.A. Burhanuddin**, B. Hussin, M.K.A. Ghani, A. Asmala and A.S.H. Basari. *Machine Clustering Analysis for Maintenance Using Decision Making Model*. Middle-East Journal of Scientific Research Vol. 23 No. 10, pp. 2546-2551. ISSN 1990-9233. 2015.

47) Mohamed Maharoof Vaheed, Md. Nor Hayati Tahir and **M.A. Burhanuddin.** *ICT Project Failure in Government Sectors: Factors from Vendors Perspective.* Middle-East Journal of Scientific Research Vol. 23 No. 11, pp. 2706-2712. ISSN 1990-9233. 2015.

48) Omar Mukhtar Hambaran, M.K.A. Ghani, Raja Rina Raja Ikram and **M.A. Burhanuddin**. Implementation Of Hybrid Software Architecture Framework In Clinical Information System: A Case Study of a Malaysian Clinic. ARPN Journal of Engineering and Applied Sciences. VOL. 10, NO. 20, pp. 9891-9895. ISSN 1819-6608. 2015.

49) Nurul Iman Saiful Bahari, Asmala Ahmad, **M.A. Burhanuddin**, Muhammad Fahmi Razali, Hamzah Sakidin and Mohd Saari Mohamad Isa. Restoration Of Hazy Data Based On Spectral And Statistical Methods. ARPN Journal of Engineering and Applied Sciences. Vol. 11, No. 11, pp. 6807-6813. 2016.

50) Ummi Kalsom Mohd Hashim, Asmala Ahmad, **M.A. Burhanuddin**, Hamzah Sakidin, Subatira B. and Mohd Saari Mohamad Isa. Change Detection From Landsat-5 Tm Satellite Data. ARPN Journal of Engineering and Applied Sciences. Vol. 11, No. 17, pp. 10234-10238. 2016.

51) Ronizam Ismail, **M.A. Burhanuddin**, Mokhtar Mohd Yusof and Ab. Yuseni Wahab. The Review on Investigation of Barriers in Knowledge Sharing and Partnership in Information Communication Technology Companies. International Business Management, 10: 4713-4718. 2016.

52) **M.A. Burhanuddin**, Ronizam Ismail, Yuseni Wahab, M.J. Mustafa, A. Muhammed. IOT: Past, Current and Future Direction of Research. International Conference on

Recent Innovations in Engineering and Technology (ICRIEAT2016). Aurora's Scientific, Technological and Research Academy. Hyderabad, India. 2016.

53) **M.A. Burhanuddin**. A State-of-the-art in Manufacturing Optimization: Information and Communication Technology Approach. International Conference on Recent Innovations in Engineering and Technology (ICRIEAT2016). Aurora's Scientific, Technological and Research Academy. Hyderabad, India. 2016.

54) Mohammed Abdulameer Mohammed, **M.A. Burhanuddin**, Huda Ibrahim, Harith Azam Abdullah, Mohammed Hassan Ali, Mustafa Musa Jaber and Aymen Shawkat. Malaysia E-government and its Challenges in Developing Countries: Case Study Iraqi E-government. The Social Sciences Medwell Journals. Vol. 11 No. 17, pp. 4310-4319. 2016 ISSN: 1818-5800. 2016.

55) Nor Syuhada Che Khalid, **M.A. Burhanuddin**, Nuzulha Khilwani Ibrahim, Zahriah Sahri and Mohd. Khanapi Abd. Ghani. Data Mining Variables and Features Selection for Malaysia Blood Donor's Preference Using Correlation Technique. Journal of Engineering and Applied Sciences, Vol. 12, pp. 3638-3643. 2017.

56) Modhi Lafta Mutar, **M.A. Burhanuddin**, Asaad Shakir Hameed. Review Paper in Vehicle Routing Problem and Future Research Trend. International Journal of Applied Engineering Research. Vol. 12, No. 22, pp. 12279-12283. ISSN 0973-4562. 2017.

57) Md Nor Hayati Tahir, **M.A. Burhanuddin**, Mohamed Maharoof Vaheed. Government Information and Communication Technology (ICT) Procurement: Gap Analysis in ICT Tender Process. Journal of Engineering and Applied Sciences, Vol. 12, No. 22, pp. 5867-5874. ISSN: 1816-949X. 2017.

58) Ali A. Abdul Saeed, **M.A. Burhanuddin**, Yousif R. Muhsin al Molla. Development Cloud Computing System for Managing Risks in an e-Learning Environment. International Journal of Applied Science. Vol. 12, No. 5, pp. 7000-7003. ISSN 1816-949X. 2017.

59) **M. A. Burhanuddin**, Ali Abdul-Jabbar Mohammed, Ronizam Ismail, Halizah Basiron. Internet of Things Architecture: Current Challenges and Future Direction of Research. International Journal of Applied Engineering Research. Vol. 12, pp. 11055-11061. 2017.

60) Saif Mohammed Ali, **M. A. Burhanuddin**, Mohd Khanapi Abd Ghani, I. Huda and M.A.Mohammed. Reviews on Electronic Health Readiness Assessment Framework for Iraqi Healthcare Institutions. Journal of Engendering and Applied Sciences, Vol 12, pp.5518-5526. 2017.

61) Saif Mohammed Ali, **M. A. Burhanuddin**, Mohd Khanapi Abd Ghani. E-health Readiness Assessment Framework: A Case of Iraqi Healthcare Institutions, Journal of Advanced Research in Dynamical & Control Systems, Vol. 9. 2017.

62) Nurul Iman Saiful Bahari, Asmala Ahmad, **M.A. Burhanuddin**, Muhammad Fahmi Bin Razali, Hamzah Sakidin, Mohd Sa'ari Mohamad Isa, Gede Pramudya Ananta, Yazid Abu Sari, Nasruddin Abu Sari. Remote Sensing Data Restoration To Compensate For Haze Effect. Journal Of Theoretical And Applied Information Technology, Vol.96. No 1, pp. 118-126. ISSN: 1992-8645, E-ISSN: 1817-3195. 2018.

63) **M. A. Burhanuddin**, Ali Abdul-Jabbar Mohammed, Ronizam Ismail, Mustafa Emad Hameed, Ali Noori Kareem, Halizah Basiron. A Review on Security Challenges and Features in Wireless Sensor Networks: IoT Perspective. Journal of Telecommunication, Electronic and Computer Engineering, Vol. 10 No. 1-7, pp. 17-21. e-ISSN: 2289-8131. 2018.

64) Suhailan, S., Samad, S.A., **M. A. Burhanuddin**, Makhtar, M. A hybrid model of ordinal ranking-based clustering using G+Rank K-Means. International Journal of Engineering and Technology (UAE), Vol. 7 No. 2, pp. 41-44. 2018.

65) M. M. Vaheed, M. N. H. Tahir, **M. A. Burhanuddin**. Information And Communication Technology (ICT) Procurement Process: Knowledge Gaps In The Pre-Tender Process. Journal of Fundamental and Applied Sciences. ISSN 1112-9867, pp. 1125-1141. 2018.

66) Ali Abdul-Jabbar Mohammed, **M. A. Burhanuddin**, Halizah Basiron. Key Enablers of IoT Strategies in The Context of Smart City Innovation. Journal of Adv Research in Dynamical & Control Systems. ISSN 1943-023X. Vol. 10, pp. 582-589. 2018.

67) Hameed, A.S., **M. A. Burhanuddin**, Mutar, M.L., Choon, N.H., Bilal, W.H.. A comparative study between the branch and cut algorithm and ant colony algorithm to solve the electric meter reader problem in rural areas. Opcion. Volume 34, Issue 86. Pp1525-1539. 2018.

68) Asaad Shakir Hameed, **M. A. Burhanuddin**, Ngo Hea Choon, Modhi Lafta Mutar, Wassim Habib Bilal. Review on the Methods to Solve Combinatorial Optimization Problems Particularly: Quadratic Assignment Model. International Journal of Engineering & Technology. Vol. 7 (3.20), pp. 15-20. 2018.

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70) Ihsan Jasim Hussein, **M. A. Burhanuddin**. Internet of Things Integration with Cloud Computing. Journal of Adv Research in Dynamical & Control Systems. ISSN 1943-023X. Vol. 10, 04-Special Issue, pp. 616-625. 2018.

71) **M. A. Burhanuddin**, Ronizam Ismail, Nurul Izzaimah Jamaluddin , Ali Abdul-Jabbar Mohammed, Norzaimah Zainol. Analysis Of Mobile Service Providers Performance Using Naive Bayes Data Mining Technique. International Journal of Electrical and Computer Engineering, Vol 8. 2018.

72) Ali Abdul-Jabbar Mohammed, **M. A. Burhanuddin**, Adel Abdul-Jabbar Alkhazraji, Halizah Basiron. IoT Devices and Sensors Management Framework for Mobile E-health Applications. Jour of Adv Research in Dynamical & Control Systems. ISSN 1943-023X. Vol. 10, 02-Special Issue, pp. 2157-2161. 2018.

73) Md Nor Hayati Tahir, Mohamed Maharoof Vaheed, **M.A. Burhanuddin**. Theoretical Foundation in Analyzing Gaps in Information Communication and Technology Tender Process in Public Sector. Journal of Engineermg and Applied Sciences. ISSN 1816-949X. Vol. 13, No. 6, pp. 1407-1413. 2018.

74) M.M. Vaheed, M.N.H. Tahir, **M.A. Burhanuddin**. ICT Procurement Process: A Pilot Study of The Pre-Tender Process. Journal of Fundamental and Applied Sciences. ISSN 1112-9867. Vol. 10, No. 6S, pp. 2551-2565. 2018.

75) M.M. Vaheed, M.N.H. Tahir, **M.A. Burhanuddin**. ICT Procurement Process: Developing A Model For The Pre-Tender Process. Journal of Fundamental and Applied Sciences. ISSN 1112-9867. Vol. 10, No. 2S, pp. 1151-1167. 2018.

76) Mazin Abed Mohammed, Mohd Khanapi AbdGhani, Arunkumar, Raed Ibraheem Hamed, Salama A. Mostafa, Mohamad Khir Abdullah, **M. A. Burhanuddin**.

Decision support system for nasopharyngeal carcinoma discrimination from endoscopic images using artificial neural network. The Journal of Supercomputing https://doi.org/10.1007/s11227-018-2587-z. SpringerScience + Business Media, pp. 1-19. 2018.

77) Mazin Abed Mohammed, Mohd Khanapi Abd Ghani, N. Arunkumar, Raed Ibraheem Hamed, Mohamad Khir Abdullah, **M.A. Burhanuddin**. A real time computer aided object detection of nasopharyngeal carcinoma using genetic algorithm and artificial neural network based on Haar feature fear. Future Generation Computer Systems. https://doi.org/10.1016/j. ISSN 0167-739X. Elsevier, Pp. 539-547. 2018.

78) Mazin Abed Mohammed, Mohd Khanapi Abd Ghani, N. Arunkumar, Omar Ibrahim Obaid, Salama A. Mostafa, Mustafa Musa Jaberf, **M.A. Burhanuddin**, Bilal Mohammed Matar, Saif khalid abdullatif, Dheyaa Ahmed Ibrahim. Genetic case-based reasoning for improved mobile phone faults diagnosis. Computers and Electrical Engineering. https://doi.org/10.1016/j. Pp. 212–222. 2018.

79) Asaad Shakir Hameed, **M.A. Burhanuddin**, Ngo Hea Choon, Modhi Lafta Mutar. Improved Discrete Differential Evolution Algorithm in Solving Quadratic Assignment Problem for best Solutions. International Journal of Advanced Computer Science and Applications, Vol. 9, No. 12, Pp. 434-439. www.ijacsa.thesai.org. 2018.

80) Ghaith Jaafar Mohammed, **M.A. Burhanuddin**. Factors Affecting The Adoption Of Cloud-Based Enterprise Resource Planning (ERP) Systems In Small And Medium Sized Enterprises (Smes): An Overview. International Journal of Engineering & Technology, Vol. 7, No. 2, Pp. 1-4. 2018.

81) Mohd Hariz Naim, Mohd Khanapi Abd Ghani, Abd. Samad Hasan Basari, **M.A. Burhanuddin**, Lizawati Salahuddin, Wan Norhisyam Abd Rashid, Gan Jun Kai. Synchronization Technique via Raspbery Pi as Middleware for Hospital Information System. Hybrid Intelligent Systems. pp. 262-271. DOI: 10.1007/978-3-319-76351-4_27. 2018.

82) Ghaith Jaafar Mohammed, **M.A. Burhanuddin**. Factors Affecting The Adoption Of Cloud-Based Enterprise Resource Planning (ERP) Systems In Small And Medium Sized Enterprises (Smes): An Overview. International Journal of Engineering & Technology, Vol. 7, No. 2, Pp. 1-4. 2018.

83) Mohd Khanapi Abd Ghani, Mazin Abed Mohammed, N. Arunkumar, Salama A. Mostafa, Dheyaa Ahmed Ibrahim, Mohamad Khir Abdullah, Mustafa Musa Jaber, Enas Abdulhay, Gustavo Ramirez-Gonzalez, **M.A. Burhanuddin**. Decision-level fusion scheme for nasopharyngeal carcinoma identification using machine learning techniques. Neural Computing and Applications, Vol. 1, No. 1, Pp. 1-14. 2018.

84) Ronizam Ismail, **M.A. Burhanuddin**, ASH Basari, Norzaimah Zainol. A Business Model Framework For Internet Of Things. Jurnal Kejuruteraan dan Sains Kesihatan, Vol. 2, No. 1, Pp. 19-30. 2018.

85) Modhi Lafta Mutar, **M.A. Burhanuddin**, Asaad Shakir Hameed, Norzihani Yusof. Enhancing Solutions of Capacity Vehicle Routing Problem based on an Improvement Ant Colony System Algorithm. Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 1, Pp. 1362-1374. 2019.

86) Asaad Shakir Hameed , **M.A. Burhanuddin**, Modhi Lafta Mutar and Ngo Hea Choon. Using improved discrete differential evolution algorithm to solve quadratic assignment model: a hospital case study. Journal of International Pharmaceutical Research, Vol. 1, No. 1, Pp. 440-449. 2019.

87) P. Mohamed Shakeel, Mohamad Ishak Desa, **M.A. Burhanuddin**. Improved watershed histogram thresholding with probabilistic neural networks for lung cancer diagnosis for CBMIR systems. An International Journal of Multimedia Tools and Applications, Springer, Vol. 1, No. 1, Pp. 1-19. 2019.

88) P. Mohamed Shakeel, **M.A. Burhanuddin**, Mohamad Ishak Desa. Lung Cancer Detection From CT Image Using Improved Profuse Clustering and Deep Learning Instantaneously Trained Neural Networks. Measurement, Science Direct, Vol. 1, No. 1, Pp. 1-19. 2019.

89) Asaad Shakir Hameed, **M.A. Burhanuddin**, Modhi Lafta Mutar and Ngo Hea Choon. A new hybrid approach based on discrete differential evolution algorithm to enhancement solutions of quadratic assignment problem. International Journal of Industrial Engineering Computations. Vol. 11, No. 1, Pp. 51-72. 2019.

90) Khaled F. AlAqad and **M.A. Burhanuddin**. Cognitive Radio-based Routing Protocols for Disaster Area Networks; Research challenges and directions. International Journal of Advanced Science and technology. 2019.

91) Khaled F. AlAqad, **M.A. Burhanuddin** and Norharyati Binti Harum. Analysis of Routing Requirements Satisfaction of General Ad Hoc Routing Protocols in disaster Response Networks. RELIGACION Center of Research in Social Sciences and Humanities from Latin America. Vol 4, No. 18. 2019.

92) Ali A. Abdulsaeed, **M.A. Burhanuddin**, Mohammed Muanis Ismael, Mohd Khanapi Abd Ghani, Abdelrafe Elzamly, Mohamed Doheir. Adoption Of Cloud Based Solutions For E-Learning Technologies And Their Relative Perspectives For Higher Education. Abla de contenido AUS, Valdivia. Vol. 26, No. 1, pp. 105-114. 2019.

93) Yasir Hamad, **M.A. Burhanuddin**, Mohd Khanapi Abd Ghani, AbdelrafeElzamly and Mohamed Doheir. Identifying Critical Factors to Adopt E-HRM Based Cloud Computing System for Healthcare Organizations. International Journal of Advanced Science and Technology. Vol. 28, No. 8 (2019), pp. 30-46. 2019.

94) Yasir Hamad, **M.A. Burhanuddin**, Mohd Khanapi Abd Ghani, AbdelrafeElzamly and Mohamed Doheir. Adoption Model of Electronic Human Resource Management(E-HRM) Based Cloud Computing Systemfor Healthcare Organizations. International Journal of Advanced Science and Technology. Vol. 28, No. 8 (2019), pp. 10-29. 2019.

95) Nur Rachman Dzakiyullah, **M.A. Burhanuddin**, Raja Rina Raja Ikram, Khanapi Abdul Ghani, Winny Setyonugroho. Machine Learning Methods for Diabetes Prediction. International Journal of Innovative Technology and Exploring Engineering. ISSN: 2278-3075. Vol. 8, No. 12, pp. 2199-2205. 2019.

96) Asaad Shakir Hameed, **M.A. Burhanuddin**, Modhi Lafta Mutar, and 4Ngo Hea Choon. An Efficient Crossover Operator for Quadratic Assignment Problem Based on Discrete Differential Evolution Algorithm. International Journal of Advanced Science and Technology. Vol. 28. No. 8, pp. 590-601. 2019.

97) Ibrahim T Nather, **M.A. Burhanuddin**, Y.W. Sek, Saif Mohammed Ali. The Adoption Of E-Commerce In Small And Medium Enterprises In Iraq. International Journal of Innovative Technology and Exploring Engineering. Vol. 1, No. 1 pp. 1-14. 2019.

98) Khaled F. AlAqad, **M. A. Burhanuddin**, Norharyati Binti Harum. Artificial Neural Networks-Based Spectrum Sensing Algorithms for Cognitive Radio Based Disaster

Response Networks CR-DRNs. Opcion, Año 35, No. 88 pp. 2899-2921 ISSN 1012-1587/ISSNe: 2477-9385. 2019.

99) Khaled F. AlAqad, **M. A. Burhanuddin**, Norharyati Binti Harum. Performance Analysis of Multipath Routing Protocols for Disaster Response Networks. International Journal of Advanced Science and technology. 2019.

100) S. Baskar, P. Mohamed Shakeel, R. Kumar, **M.A. Burhanuddin**, R. Sampath. A dynamic and interoperable communication framework for controlling the operations of wearable sensors in smart healthcare applications. Computer Communications. Vol. 28, No. 8 pp. 10-29. 2020.

101) P. Mohamed Shakeel, **M.A. Burhanuddin**, Mohammad Ishak Desa. Automatic lung cancer detection from CT image using improved deep neural network and ensemble classifier. Neural Computing and Applications. Vol. 28, No. 8 pp. 10-29. 2020.

102) Modhi Lafta Mutar, **M.A. Burhanuddin**, Asaad Shakir Hameed, Norzihani Yusof and Hussein Jameel Mutashar. An efficient improvement of ant colony system algorithm for handling capacity vehicle routing problem. International Journal of Industrial Engineering Computations. Vol. 11, pp. 1-16. 2020.

103) Mustafa Musa Jaber, Sura Khalil Abd, P.Mohamed Shakeel, **M.A. Burhanuddin**, Mohammed Abdulameer Mohammed, Salman Yussoff. A telemedicine tool framework for lung sounds classification using ensemble classifier algorithms. Measurement. Vol. 162, pp. 1-7. 2020.

104) Asaad Shakir Hameed, **M.A. Burhanuddin**, Modhi Lafta Mutar, Ngo Hea Choon. Quadratic Assignment Problem (Model, Applications, Solutions): Review Paper. International Journal of Advanced Science and Technology. Vol. 29, No. 7, pp. 450-460. 2020.

105) Khaled F. AlAqad, M.A. Burhanuddin, Norharyati Binti Harum. Cognitive Radio Platforms for Disaster Response Networks, Survey. International Journal of Nonlinear Analysis and Application. ISSN: 2008-6822, http://dx.doi.org/10.22075/ijnaa.2020.4577. Vol. 11, pp. 169-182. 2020.

106) Khaled F. AlAqad, M.A. Burhanuddin, Norharyati Binti Harum, Waleed Saeed Mahmoud Ali. Conventional and Cognitive Radio Based Disaster Response Networks, A Comparative Study. International Journal of Nonlinear Analysis and

Application. ISSN: 2008-6822, http://dx.doi.org/10.22075/IJNAA.2020.4602. Vol. 11, pp. 277-284. 2020.

107) M.M. Vaheed, Juhaini Jabar, M.A. Burhanuddin, M. N. T. Tahir. Information and Communication Technology (ICT) Procurement Process: Knowledge Gaps In The Pre-Tender Process. Systematic Reviews in Pharmacy. Vol 11, pp. 1772-1777. 2020.

b) Keynote Speaker

1) Keynote Speaker in the International Conference on Electrical Engineering and Informatics (IWoRMEE 2008): *Framework for Self-maintenance machine*. Organizer: The Dept. of Electrical Engineering, Hasanuddin University. Venue: Makassar, Indonesia. 2008.

2) Keynote speaker in the Information Technology Seminar: *Internet Innovations: Concept and the implementations* (KYM2009). Organizer: The Strategic Training and Event Solutions, Kolej Yayasan Melaka, Malaysia. Venue: Hotel Ancasa MITC, Melaka. 2009.

3) Keynote Speaker in the International IRED Conference On Advances in Computing, Electronics and Electrical Technology (CEET 2015): *Successful Multidisciplinary Research: An Efficiency Perspective*. Venue: Kuala Lumpur, Malaysia. 11-12 April 2015.

4) Keynote Speaker and review committee of the International Conference on Advanced Research in Business and Social Sciences 2015 (ICARBSS): *Successful Multidisciplinary Research: An Efficiency Perspective*. Venue: Kuala Lumpur, Malaysia. 2-3 September 2015.

5) Keynote Speaker and review committee of the International Conference On Computer Science, Engineering And Technology (ICSET) 2016: *Research in Decision Support System and modelling*. Venue: Kuala Lumpur, Malaysia. 23-24 January 2016.

6) Keynote Speaker and review committee of the Computer Science and Telecommunication Engineering International Conference 2016 (CSTE2016). *Information Technology Integration Models for Manufacturing Optimization*. Venue: UPM, Sedang, Kuala Lumpur, Malaysia. 19-20 November, 2016.

7) Keynote Speaker and review committee of the International Conference on Recent Innovations in Engineering and Technology (ICRIEAT2016). *A State-of-the-art in Manufacturing Optimization: Information and Communication Technology Approach*. Venue: Katriya Hotel, Somajiguda, Hyderabad, India. 22-23 December, 2016.

8) Keynote Speaker in the Advanced Technology, Applied Science, and Engineering Conference (ATASEC2019). *Artificial Intelligence in Industrial 4.0 Revolution*. Venue: Amarta Hills Hotel and Resort, Batu, East Java, Indonesia on. 29-30 August, 2019.

9) Keynote Speaker In The Webminar On Role Of Machine Learning & Data Sciences In Artificial Intelligence. *Data Science And Its Applications*. Organizer: Mahatma Gandhi Institute Of Technology, India on 29 Jun 2020.

10) Keynote Speaker In The International Webminar. The Company Strategy In Facing Pandemic Covid-19. Organizer: Fakultas Ekonomi, Yayasan Perguruan Tinggi Slamet Riyadi Surakarta, Indonesia on 5 November 2020.

c) Guest or invited speaker in seminar/workshop

1) Speaker in seminar: *An Important Guide on Thesis Writing and Oral Examination*. Organizer: Fakulti Sains Komputer dan Teknologi Maklumat, Universiti Tun Hussein Onn, Johor. Venue: Batu Pahat, Johor. 15 Februari, 2015.

2) Speaker in workshop: *Effective Thesis Writing and Important Guides for Research*. Organizer: Panoply Consultancy. Venue: Kuala Lumpur, Malaysia. 8 August 2015.

3) Speaker in workshop: *From Quantitative Analysis to Journal Paper Publications*. Organizer: Advance Training Development Center. Venue: Melaka. 20-21 November, 2015.

4) Speaker in workshop: *successful research proposal writing*. Organizer: Fakulti Sains Komputer dan Pusat Penyelidikan Pasca Siswazah dan Khidmat Profesional, Kolej Universiti Agrosains Malaysia (UCAM). Venue: Melaka, Malaysia, 15 December 2015.

5) Speaker in workshop: *An Important Guide on Working with Supervisors in Research Work*. Organizer: Nabu Research Academy. Venue: Seri Kembangan, Selangor, Malaysia, 26 March 2016.

6) Speaker in workshop: *Technical Project for Publishing*. Organizer: Politeknik Kuching, Sarawak. Venue: Politeknik Kuching, Kuching, Sarawak, Malaysia. 17-18 April 2018.

7) Speaker in workshop: *Health Information System*. Organizer: Aisyah Universiti, Yogyakarta, Indonesia. Venue: Aisyah Universiti, Yogyakarta, Indonesia. 5 October 2018.

8) Speaker in workshop: *Publication Writing*. Organizer: Aisyah Universiti, Yogyakarta, Indonesia. Venue: Aisyah Universiti, Yogyakarta, Indonesia. 6 October 2018.

9) Speaker in workshop: *Drone image acquisition, processing and analytics agriculture and urban sector*. Organizer: AMIKOM Universiti, Yogyakarta, Indonesia. Venue: AMIKOM Universiti, Yogyakarta, Indonesia. 29 January 2019.

10) Guest Speaker in the workshop: *Transition to Industry 4.0 from Previous Industrial Revolution*. Organizer: Politechnic of Malang, Indonesia. 30 August, 2019.

11) Guest Speaker in the workshop: *Role of Machine Learning and Data Sciences in AI*. Organizer: Mahatma Gandhi Institute of Technology, New Delhi, India. 29 June, 2020.

d) Books, Modules and Thesis

1) **M.A. Burhanuddin**. *Computerized Air-conditioning Maintenance Management System for Universiti Teknologi Malaysia*. Thesis of Bachelor of Science Degree, Faculty of Computer Science and Information System. Universiti Teknologi Malaysia. 2002.

2) **M.A. Burhanuddin**. *Reliability Analysis of Repair Time Data*. Thesis of Master of Science Degree, School of Mathematical Science. Universiti Sains Malaysia. 2004.

3) **M.A. Burhanuddin**, Zuraida Abal Abas. *Mathematics for Computer Science 1 (Discrete Mathematics)*. FTMK, Universiti Teknikal Malaysia Melaka publication committee. 2006.

4) **M.A. Burhanuddin**, Ahmad Fadzli Nizam Abdul Rahman, Zuraida Abal Abas, Siti Azirah Asmai. *Mathematics for Computer Science 1 (Calculus)*. FTMK, Universiti Teknikal Malaysia Melaka publication committee. 2007.

5) **M.A. Burhanuddin**, Ahmad Fadzli Nizam Abdul Rahman, Zuraida Abal Abas, Abdul Samad Hasan Basari. *Mathematics for Computer Science I (Linear Algebra)*. FTMK, Universiti Teknikal Malaysia Melaka publication committee. 2007.

6) **M.A. Burhanuddin**, Siti Azirah Asmai, Nurazlina Sanusi, Intan Ermahani A. Jalil. *Software Development Using Visual Basic.NET*. FTMK, Universiti Teknikal Malaysia Melaka publication committee. 2008.

7) Ahmad Fadzli Nizam Abdul Rahman, **M.A. Burhanuddin**, Zuraida Abal Abas, Siti Azirah Asmai. *Mathematics for Computer Science II (Calculus)*. FTMK, Universiti Teknikal Malaysia Melaka publication committee. 2008.

8) **M.A. Burhanuddin**, Fahmi Arif. Microsoft Office 2007: *Langkah demi Langkah Pembangunan Web dan Blog bagi ahli perniagaan*. Venton Publishing. Malaysia. 2009.

9) **M.A. Burhanuddin**. *Decision Support Model in Failure-based Computerized Maintenance Management System for Small and Medium Industries*. Thesis of the Doctorate in Philosophy, Faculty of Computer Science and Information System. Universiti Teknologi Malaysia. 2009.

10) **M.A. Burhanuddin**, Anton Satria Prabuwono, Samsi Md. Said, Riza Sulaiman. *Performance Evaluation of Autonomous Contour Following Algorithms for Industrial Robot.* This is the e-book chapter of *Advances in Robot Manipulators*. Chapter 18, Pp.377-398. InTech Open Access, Publisher, Rijeka, Crotia. 2010.

11) **M.A. Burhanuddin**, Fauzi Adi Rafrastara. *Siri Mudah Membangun Aplikasi Mobile: TIP and TRIK FLASH LITE*. Venton Publishing. Malaysia. 2010.

12) Zulkifli Tahir, **M.A. Burhanuddin**. *A Hybrid Management Model in Decision Support System for Small and Medium Food Processing Industries*. Thesis of the Master of Science Degree, Faculty of Information Technology and Communication. Universiti Teknikal Malaysia Melaka. 2010.

13) Raja Roslan Raja Abd. Rahman, **M.A. Burhanuddin**, Azizah Binti Haji Vaheed. *Information and communication technology: competence among academic staff in achieving high job performance at higher learning institutions in Melaka*. ISBN:

9789832948834. Online Public Access Catalogue, National Library Malaysia. http://www.marymartin.com/web?pid=129690. 2010.

14) **M. A. Burhanuddin**, Sami M. Halawani, A.R. Ahmad. *An Efficient Failure-based Maintenance Decision Support System for Small and Medium Industries* for the book under the working title: *Efficient Decision Support Systems: Practice and Challenges From Current to Future*. Chapter 11, Vol. 1. Pp. 195-210. ISBN 978-953-308-65-7. InTech Open Access Publisher, Rijeka, Crotia. 2011.

15) **M.A. Burhanuddin**, Fauzi Adi Rafrastara. *TROUBLESHOOTING & CONFIGURING WINDOWS. Mencakup Windows XP, Vista dan 7*, Venton Publishing. Malaysia. 2011.

16) Zakir Hussain Ibrahim, **M.A. Burhanuddin**. *Projek Tahun Akhir.* Modul Penerbit UTeM. Malaysia. 2019.

I. RESEARCH GRANTS

1) **M.A. Burhanuddin**, M.I. Desa, M.Y. Zeratul Izzah. *Intelligent Decision Support System for Repair Time Estimation in Manufacturing Industries*. The short term grant awarded by Universiti Teknikal Malaysia Melaka, Malaysia. 2007.

2) **M.A. Burhanuddin**, R. Sazalinshah, Anton Satria Prabuwono. *Maintenance Decision Support System for Small and Medium Industries Using Decision Making Models*. The E-Science Fund grant awarded by Ministry of Science, Technology and Innovation Malaysia. 2009.

3) A.R. Ahmad, **M.A. Burhanuddin,** *Investigating the Multi-stage Supply Chain Production and Inventory Coordination for Models with Different Mechanisms and a Benefit Sharing Scheme*. The research grant awarded by King Abdulaziz University, Kingdom of Saudi Arabia. 2011.

4) R. Sazalinshah**, M.A. Burhanuddin**. *An Investigation of Flock Identification using Connected-components Method for Multi-robot Shepherding*. The short term grant awarded by Universiti Teknikal Malaysia Melaka, Malaysia. PJP/2012/FTMK(2B)/S01104. 2012.

5) **M.A. Burhanuddin**. UTeM Penyelidikan Jangka Pendek. Report number: PJP/2013/FTMK(13C)/S01179. The project title: *Advance Methodologies To Efficiently Reduce Downtime In Small And Medium Manufacturing Systems*. 2013.

6) A. Asmala, **M.A. Burhanuddin,** A.F. Nizam, D. Reduan, S.F. Sufahani, M.H. Noorazuan. FRGS. Report number: FRGS/2/2014/ICT02/FTMK/F00245. The project title: *A Novel Object Recognition Technique For Remote Sensing Images Based on Mathematical Morphology and Correlation Methods*. 2014.

7) M. K. A. Ghani, **M.A. Burhanuddin**, A.S.H. Basari, M.N. Noorsuhaily. MARA/UNI 1/33/06/2014(4). Pembangunan Aplikasi Sistem Program Pengayaan MRSM, E-Meps. 2014.

8) **M.A. Burhanuddin**. UTeM Penyelidikan Jangka Pendek. Report number: PJP/2014/FTMK(7B)/S01448. Enhanced Haze Monitoring and Mapping through using of Multi Resolution Satellite Sensors for Better Quantification of Hazardous Pollutants. 2014.

9) **M.A. Burhanuddin**, M. K. A. Ghani, A.S.H. Basari, M.N. Noorsuhaily. MARA/UNI 1/33/06/2015. Pembangunan Aplikasi Sistem Pengayaan MARA On-Line, MRSM On-Line Evaluation System: e-MOES. 2015.

10) M. Hariz, M. K. A. Ghani, **M.A. Burhanuddin**. UTeM Penyelidikan Jangka Pendek. Report number: PJP/2015/FTMK(7B)/S01448. e-Health Data Integration Technique via Raspbery pi as middleware. 2015.

11) Yuseni, A.W., **M.A. Burhanuddin**, Ronizam, I. Kolej Universiti Islam Melaka Short Term Grant. Investigating Factors on on Barriers and Challenges for Small and Medium Information Communication Technology in Malaysia. 2016.

12) Ronizam, **M.A. Burhanuddin**, Zainol, N. Geran Dalaman Kolej Universiti Islam Melaka. The Cloud-Based Decision Support System for Telecommunication Companies in Malaysia. KUIM/GD/F1/17/03. 2017.

13) **M.A. Burhanuddin**, H. Habibollah, S. Lizawati, A.G. Khanapi, R.I, Raja Rina, R. Sarni Suhaila. FRGS. Report number: FRGS/1/2018/ICT02/FTMK/F228697. The project title: *A New Theoretical Integrative Model For Delivering Collaborative Internet of Things Service Platforms In Smart-Healthcare*. 2018.

14) S. Mohd Azli, **M.A. Burhanuddin**. Matching Grant PLUS-UTeM. The project title: *Drone docking station*. 2019.

J. PRODUCTS

1) Copyright: M. K. A. Ghani, **M.A. Burhanuddin**, A.S.H. Basari, M.N. Noorsuhaily (2015). The Computerized System Developed For Young Scientist Competition In Malaysia.

2) Copyright: M. K. A. Ghani, **M.A. Burhanuddin**, A.S.H. Basari, M.N. Noorsuhaily (2015). The Computerized System Developed For Mathematics Carnival In Malaysia.

3) Copyright: Choo Yun Huoy, Perly Peh Thai Ee, Azah Kamilah Muda, **M.A. Burhanuddin** (2015). My Intelligent Vacation Planner App (MyIVPApp) using AHP-ACO Technique for Personalized Itinerary Planning.

4) Hak Cipta: Noorsuhaily bin Ali, **M.A. Burhanuddin**, Khalina binti Abdan, Norihan binti Md Arifin, Suriati binti Paiman (2018). Global I-Lead STEM Camp.

K. AWARDS

1) Bronze Medal in Malaysia Technology Expo 2009 (MTE 2009) with product Web Based Maintenance Decision Support System for Small and Medium Industries. The research exhibition held in the Putra World Trade Centre, Kuala Lumpur, Malaysia.

2) Silver Medal in UTeMEX 2015 with product UTeM : MyIVPApp (My Intelligent Vacation Planner Application). The research exhibition held in Dewan UTeM, Melaka.

3) Silver Medal in UMP TVET Exposition 2017 with product "The Cloud-based Decision System for Mobile Communications Service Providers in Malaysia".

4) Bronze Medal in UTeM Exhibition Expo 2017 (UTeMEX 2017) with product "Big Data Analytics: Sentiment Analysis Prototype for Telecommunications Providers in Malaysia".

5) Silver Medal in Melaka International Intellectual Exposition 2019 (MIIEX 2019) with product "Sentiment Analysis Prototype for Telecommunications Providers".

6) Bronze Medal in Karnival Inovasi UTeMEX 2019 (UTeMEX 2019) with product "Smart Computing Hazard Reporting".

L. POSTGRADUATE SUPERVISION

DOCTOR OF PHILOSOPHY (BY RESEARCH) – GRADUATED
ROLE: MAIN SUPERVISOR

Student Name	Level of study	Year Enrolled	Thesis Title / Project	Graduated Status
1) Saif Mohammed Ali	Ph.D.	2016	Critical Factors In Electronic Health Readiness Assessment Framework For Iraq Health Services	Graduated in 2019
2) Yasir Hamad Ahmed	Ph.D.	2014	The Adoption Model Of Electronic Human Resource Management Based On Cloud Computing For Healthcare Organizations	Graduated in 2020

DOCTOR OF PHILOSOPHY (BY RESEARCH) – GRADUATED
ROLE: CO-SUPERVISOR

Student Name	Level of study	Year Enrolled	Thesis Title / Project	Graduated Status
1) Mazin Abid Mohammed	Ph.D.	2016	An Effective Model For Nasopharyngeal Carcinoma Diagnosis Using Machine Learning Techniques	Graduated in 2019
2) Suhailan Bin Safei	Ph.D.	2014	A New Framework For Programming Assisted Agent System In Social Network Environment	Graduated in 2017

DOCTOR OF PHILOSOPHY (BY RESEARCH) - ON GOING

ROLE: MAIN SUPERVISOR

Student Name	Level of study	Year	Country
1) Ronizam bt Ismail @ Che Wan Mahmud	Ph.D.	2016	Malaysia
2) Ali Abdul Jabbar Mohammed Al-Khazraji	Ph.D.	2016	Iraq
3) Agung Budi Prasetio	Ph.D.	2016	Indonesia
4) Asaad Shakir Hameed	Ph.D.	2017	Iraq
5) Ali A. Abdulsaeed	Ph.D.	2017	Iraq
6) Ghayth Jaafar Mohammed	Ph.D.	2017	Iraq
7) Modhi Lafta Matar	Ph.D.	2017	United Arab Emirates
8) Zakir Hussain Bin Ibrahim	Ph.D.	2017	Malaysia
9) Ibrahem Talaat Nather Khasro	Ph.D.	2017	Iraq
10) Ihsan Jasim Hussein	Ph.D.	2018	Iraq
11) Nur Rachman Dzakiyullah	Ph.D.	2018	Indonesia
12) Khaled Fi Alaqad	Ph.D.	2018	Palestine
13) Pethuraj Mohamed Shakeel	Ph.D.	2018	India

DOCTOR OF PHILOSOPHY (BY RESEARCH) - ON GOING

ROLE: CO-SUPERVISOR

Name	Level of study	Year	Country
1) Ban Salman Syukor	Ph.D.	2017	Iraq
2) Joko Sutopo	Ph.D.	2018	Indonesia
3) Andrianto Mahendra Wijaya	Ph.D.	2019	Indonesia

MASTER DEGREE (BY RESEARCH) - GRADUATED
ROLE: MAIN SUPERVISOR

Name	Level of study	Year Enrolled	Thesis / Project Title	Graduated Status
1) Zulkifli Tahir	M.Sc.	2008	A Hybrid Maintenance Management Model in Decision Support System for Small and Medium Food Processing Industries	Graduated in 2010
2) Nor Shuhada binti Che Khalid	M.Sc.	2015	Data Mining Variables and Features Selection for Malaysia Blood Donor's Preference Using Correlation Technique	Graduated in 2017

MASTER DEGREE (BY RESEARCH) – GRADUATED

ROLE: CO-SUPERVISOR

Name	Level of study	Year Enrolled	Thesis / Project Title	Graduated Status
1) Nurul Iman binti Saiful Bahari	M.Sc.	2014	A Haze Removal Technique For Satellite Remote Sensing Data Based On Spectral And Statistical Methods	Graduated in 2016
2) Perly Peh Thai EE	M.Sc.	2014	An Integration Of AHP-ACO Technique For Social Interaction And Travel Planning	Graduated in 2016

MASTER DEGREE (TAUGHT COURSE) – GRADUATED

ROLE: MAIN SUPERVISOR

Name	Program /Course	Thesis / Project Title	Year Graduated
1) Ramadhan Rakhmat Sani	M.Sc.	Hybrid Neural Network for Response Candidate in Direct Marketing with Imbalanced Dataset	2013
2) Khairul Hasni Binti Adnan	M.Sc.	Transportation For Logistic Using Genetic Algorithm	2015
3) Nur Hafiza Binti Abd Rahman	M.Sc.	E-Undi Fingerprint Identification System Using Neural Network	2015
4) Lew Wan Ling	M.Sc.	Modelling Of Flexible Manufacturing System Using Generalised Stochastic Petri Nets	2015
5) Perly Peh Thai Ee	M.Sc.	Traffic Prediction System	2016
6) Nurul Iman Binti Saiful Bahari	M.Sc.	A Novel Atmospheric Correction Technique For Medium Resolution Satellite Data	2016
7) Mustafa Hasan Kathim Albowarab	M.Sc.	Investigating The Key Factor of Info Tech Investment In Fabricated Metal Product SME To Improve Their Performance In Iraq	2016
8) Haedar Emad Sharef	M.Sc.	Factors affecting the adoption of cloud computing in Iraq government sector	2018
9) Sari Ali Sari	M.Sc.	Academic Motivation & mediating role of study habits and attitude on academi performance of ICT Student	2018

POSTGRADUATE STUDENTS – THESIS AND VIVA-VOCE

ROLE: EXAMINER AND CHAIRMAN

Student Name and Role	Level / Course	Year	Thesis Title / Project
1) Habibullah Akbar (UTeM – Role: Internal examiner)	M.Sc. (Research)	2010	Defect Inspection Algorithm in Intelligent Real-Time Vision System for Small and Medium Industries
2) Hazlina binti Razali (UTeM - Role: Internal examiner)	M.Sc. (Research)	2014	Determining the Optimal Process Mean for Small and Medium Juice Processing Industries using Markovian Model
3) Siti Azirah binti Asmai (UTeM - Role: Internal examiner)	Ph.D. (Research)	2014	Data-Driven Prognostic Model Using Time-Series Prediction Techniques in Assisting Maintenance Decision Making
4) Affandy (UTeM – Viva Voce Role: Chairman)	Ph.D. (Research)	2014	Algorithm-program visualization Model: An Integrated SW Visualization to Support Novices' Programming Comprehension
5) Ahmed Bashir Abugharsa (UTeM - Role: Internal examiner)	Ph.D. (Research)	2014	Multilevel Shifting and Rotation Image Scrambling Techniques Based on Blocks and Pixel Colour
6) Lau Kum Hoe (UTeM – Viva Voce Role: Chairman)	M.Sc. (Research)	2015	Self-Paced Speech Rehabilitation Among Children With Down Syndrome Using Malay Automatic Voice Recognition
7) Nor Amalina Binti Mohd Sabri (UTeM – Viva Voce Role: Chairman)	M.Sc. (Research)	2015	High Rise Building Evacuation Route Model Using Dijkstra's Algorithm

8) Yuseni bin Ab Wahab (UTeM - Role: Internal examiner)	Ph.D. (Research)	2016	Enhanced Snapshot and Intelligent Optimal Replacement Model for Hostel Facilities Maintenance Based on Failure Data
9) Mustafa Musa Jaber (UTeM - Role: Internal examiner)	Ph.D. (Research)	2016	Investigating The Key Factors Effecting The Use of Telemedicine in Iraqi Hospitals
10) Mohamud Sheikh Ibrahim (Universiti Islam Antarabangsa Malaysia - Role: External examiner)	M.Sc. (Research)	2016	Experimenting Cloud-based Learning System for improving students programming skills
11) Noorayisahbee bt Mohd Yaacob (UTeM - Role: Internal examiner)	M.Sc. (Research)	2016	A Design of Framework for Accessing Patient Health Records
12) Nurul Nadirah Binti Mohamed Khairi (UTeM – Viva Voce Role: Chairman)	M.Sc. (Research)	2016	Improved Fuzzy-PID Controller In Following Complicated Path For Lego Mindstorms NXT
13) Andita Suci Pratiwi (UTeM –Viva Voce Role: Chairman)	M.Sc. (Research)	2017	Developing Conceptual Framework On Info Uncertainty In Mobile-Health Participatory Sensing Using Qualitative Study
14) Matin Saad Abdullah (Universiti Islam Antarabangsa Malaysia - Role: External examiner)	Ph.D. (Research)	2017	An Intelligent and Adaptive Quranic Arabic Learning Framework

15) Hesyam Ali Al Sayed Elbendary (Multimedia Universiti, Malaysia - Role: External examiner)	M.Sc. (Research)	2018	Design and evaluation of vehicle telematics system roadside and breakdown assistant system
16) Rossly bin Salleh (Universiti Sains Islam Malaysia - Role: External examiner)	Ph.D. (Research)	2019	Mediators for Knowledge and Usefulness in Influencing the Successful of 1GOVUS System
17) M.H. Adam Bin Seman (UTeM - Role: Internal examiner)	M.Sc. (Research)	2020	Prediction Of Spring Back Deformation Associated With Aeronautical Composite Parts After Curing
18) Mohamed A.S. Doheir (UTeM –Viva Voce Role: Internal Examiner)	Ph.D. (Research)	2020	Quantitative Methods to Mitigate the Cloud Computing Issues in Palestine Healthcare Organizations
19) Leong Pui Huang (UTeM –Viva Voce Role: Internal Examiner)	Ph.D. (Research)	2020	A Novel Conversation Agent Using Retrieval Based Model And Deep Learning
20) Madihah binti Maharof (UTeM – Viva Voce Role: Chairman)	Ph.D. (Research)	2020	A state Observer Based Position Controler for supression of input disturbance in machine tools applications

M. UNDERGRADUATE SUPERVISION

BACHELOR DEGREE: WORKSHOP 1 - ROLE: MAIN SUPERVISOR

Name	Level / Course	Year	Thesis Title / Project
1) Mohd Nazrul bin Mohd Junoh	B.Sc. Workshop1 Project	2006	Pengiklanan Pengangkutan Bas Ekspres Budaya
2) Nurul Naqibah binti Mohd Yasin	B.Sc. Workshop1 Project	2007	Stock Inventory System for Clinic AINI
3) Norsuhaila binti Hasan	B.Sc. Workshop1 Project	2007	Sistem Tempahan Tiket Keretapi
4) Muhammad Firdaus bin Ahmad	B.Sc. Workshop1 Project	2007	Sistem Tempahan Teksi
5) Mohd Hafiz bin Abu Bakar	B.Sc. Workshop1 Project	2007	Feedlot Sales System
6) Siti Zalykha binti Sejeli	B.Sc. Workshop1 Project	2010	De Leka Shoping System
7) Siti Noraina binti Zulkapli	B.Sc. Workshop1 Project	2010	Primary School Evaluation System
8) Siti Maryam binti Abdul Rahman	B.Sc. Workshop1 Project	2010	Bus Ticket Booking System
9) Siti Humyerah binti Rosly	B.Sc. Workshop1 Project	2010	Parking System

10) Rahmat Ilahi	B.Sc. Workshop1 Project	2010	Pizza Ordering System
11) Soh Jia Shan	B.Sc. Workshop1 Project	2013	Inventory Management at Lee Tat Furniture Trading Sdn Bhd
12) Nurul Syazwani Binti Ab Rahman	B.Sc. Workshop1 Project	2013	Ordering System for Restorant Haji Ali's Taman Tasik
13) Nor Fadilah Bt Rahamad	B.Sc. Workshop1 Project	2013	Bakery reservation & delivery at King's Confectionery Sdn. Bhd.
14) Anis Amira Adila Binti Abd Rahim	B.Sc. Workshop1 Project	2013	Payroll System at Petronas Ayer Keroh
15) Nur Hidayah Binti Ab Aziz	B.Sc. Workshop1 Project	2015	System On-Line Of Installation Software And Repaired (For laptop and personal computers)
16) Nur Hidayah Binti Ab Aziz	B.Sc. Workshop1 Project	2015	Futsal Court Booking System
17) Nurliyana Binti Mohd Effendi	B.Sc. Workshop1 Project	2015	On-Line System for Software Installation And Computer Repairing
18) Anthony See Chin Siong	B.Sc. Workshop1 Project	2016	Hospital Pantai Parking System
19) Muhammad Izzuddin bin Zainol Abidin	B.Sc. Workshop1 Project	2016	Tuition Center Computerized System

20) Logeswaran a/l Rajasegaran	B.Sc. Workshop1 Project	2016	Giant Sport Equipment Management System
21) Nurul Hazwani binti Abdollah	B.Sc. Workshop1 Project	2016	Motorcycle Maintenance Management System
22) Hasimah binti Ismail	B.Sc. Workshop1 Project	2016/2017	Student Examination Result System
23) Chong Wen Jie	B.Sc. Workshop1 Project	2016/2017	Parking Management System
24) Muhammad Iqbal Hifzan Bin Amir Tariq	B.Sc. Workshop1 Project	2017/2018	Science Technology Engineering Mathematics Development Program
25) Muhammad Kifly Bin Mohd Zan	B.Sc. Workshop1 Project	2017/2018	Research portal for secondary school student in malaysia
26) Mohammad Nuzmi Hakim Bin Roshidi	B.Sc. Workshop1 Project	2017/2018	Zakat Payment System for Government Servant
27) Siti Nur Amira bt Mohammed	B.Sc. Workshop1 Project	2018/2019	Pharmasy Management System
28) Yeap Zhi Hern	B.Sc. Workshop1 Project	2018/2019	Part Time Employment Registration system
29) Tan Xi Ning	B.Sc. Workshop1 Project	2018/2019	Short Course Registration Management System

Name	Level / Course	Year	Thesis Title / Project
30) Ainin Sofiya Hisham	B.Sc. Workshop1 Project	2018/2019	GISC Conference Management System
31) Tang Li Ho	B.Sc. Workshop1 Project	2019/2020	Research Group Management System in FTMK
32) Mohamad Hafiz bin Abu Osman	B.Sc. Workshop1 Project	2019/2020	International Student's Agent Management System
33) Mohamed Reda Maamoun Elsaid Seyam	B.Sc. Workshop1 Project	2020/2021	Bank Administration System

BACHELOR DEGREE: WORKSHOP 2 - ROLE: MAIN SUPERVISOR

Name	Level / Course	Year	Thesis Title / Project
1) Wadshah Wadhuma	B.Sc. Workshop2 Project	2007	E-Commerce: Software and Hardware Sales and Service System
2) Sharul Azhan Bin Ishak	B.Sc. Workshop2 Project	2007	Biometric Security Puch Card System
3) Ooi Chin Yen	B.Sc. Workshop2 Project	2007	E-Commerce: Software and Hardware Sales and Service System
4) Ng Choon Leong	B.Sc. Workshop2 Project	2007	E-Commerce: Software and Hardware Sales and Service System
5) Mohan Raj a/l Subarmainiam	B.Sc. Workshop2 Project	2007	Biometric Security Puch Card System

6) Md. Yunus Md. Sapi	B.Sc. Workshop2 Project	2007	Biometric Security Puch Card System
7) Idwan Adly bin Alias	B.Sc. Workshop2 Project	2007	Biometric Security Puch Card System
8) Ammar Abu Hassan	B.Sc. Workshop2 Project	2007	E-Commerce: Software and Hardware Sales and Service System
9) Nurfadhilah binti Rusli	B.Sc. Workshop2 Project	2010	Application and development of the Sumo Robot Competition System
10) Nor Syuhada binti Che Khalid	B.Sc. Workshop2 Project	2010	Application and development of the Sumo Robot Competition System
11) Nadia binti Zakaria	B.Sc. Workshop2 Project	2010	Application and development of the Sumo Robot Competition System
12) Nurul Fathiyah binti Shamsudin	B.Sc. Workshop2 Project	2013	Lego Robotic Project on Green City Challenges
13) Nurliyana binti Muty	B.Sc. Workshop2 Project	2013	Lego Robotic Project on Green City Challenges
14) Yim Yi Wem	B.Sc. Workshop2 Project	2016/2017	NXT Robotic Project on Triathon Game using Artificial Intelligence Techniques
15) Mohamad Rozwan b Mohamad Zulkupli	B.Sc. Workshop2 Project	2016/2017	NXT Robotic Project on Triathon Game using Artificial Intelligence Techniques

Name	Level / Course	Year	Thesis Title / Project
16) Teh Hsien Her	B.Sc. Workshop2 Project	2016/2017	NXT Robotic Project on Triathon Game using Artificial Intelligence Techniques
17) Soh Javid	B.Sc. Workshop2 Project	2019/2020	Students Attendance Registration Using Robotics Face Recognition System
18) Nor Haqkiem Bin Hamdan	B.Sc. Workshop2 Project	2019/2020	Students Attendance Registration Using Robotics Face Recognition System
19) Akmalunnisak Binti Darus	B.Sc. Workshop2 Project	2019/2020	Students Attendance Registration Using Robotics Face Recognition System
20) Hani Suraya Binti Ahmad Bukhari	B.Sc. Workshop2 Project	2019/2020	Students Attendance Registration Using Robotics Face Recognition System

INDUSTRIAL TRAINING BACHELOR DEGREE AND DIPLOMA

ROLE: MAIN SUPERVISOR

Name	Level / Course	Year	Thesis Title / Project
1) Abdul Aziz b Jaafar	Diploma Industrial Training	2005	Industrial training at Majlis Perbandaran Melaka Bersejarah
2) Nor Hasliza bt Abdul Hamid	Diploma Industrial Training	2005	Industrial training at Majlis Perbandaran Melaka Bersejarah
3) Leon Wilfred	B.Sc. Industrial Training	2005	Industrial training at Gigaicons, Kuching, Sarawak
4) Dayang Zuraini bt Awang Maliki	B.Sc. Industrial Training	2005	Industrial training at Sarawak Timber Industry Development Corporation, Kuching, Sarawak

5) Nor Hidayah bt Rabion	Diploma Industrial Training	2006	Industrial training at Pej. Bendahari, UTM, Skudai, Johor
6) Vinoshini a/p Sivelinggam	B.Sc. Industrial Training	2006	Industrial training at Intel Technology Sdn Bhd
7) Sivasakti a/p Marimuthu	B.Sc. Industrial Training	2006	Industrial training at Intel Technology Sdn Bhd
8) Nurul Iza bt Ismail	B.Sc. Industrial Training	2006	Industrial training at Intel Technology Sdn Bhd
9) Norazlinawati bt Azmi	B.Sc. Industrial Training	2006	Industrial training at Intel Technology Sdn Bhd
10) Mohd Zaidi b Ponijan	B.Sc. Industrial Training	2006	Industrial training at Puteri Specialist Hospital, Johor
11) Chew Choon Leong	B.Sc. Industrial Training	2006	Industrial training at Intel Technology Sdn Bhd.
12) Juriani @ Nani bt Johor @ Daud	B.Sc. Industrial Training	2007	ICT Service System in Labuan Corporation
13) Muhammad Zainul Arifin bin Ab Aziz	B.Sc. Industrial Training	2013	Network Monitoring System for Symphonet Sdn. Bhd.
14) Muhammad Muslim bin Ab Rahman	B.Sc. Industrial Training	2013	Network Solutions for Symphonet Sdn. Bhd.

15) Manoraj a/l Pannerselum	B.Sc. Industrial Training	2015	Computerized System for PPK Technology Sdn. Bhd.
16) Dayang Nurasma Husna binti Hj. Mahmud	B.Sc. Industrial Training	2015	Kementerian Kewangan Malaysia
17) Muhammad Izzuddin bin Abdul Alim	B.Sc. Industrial Training	2015	Tourism Malaysia
18) Nurul Annisa Alia binti Roslan	B.Sc. Industrial Training	2015	Unit Perancang Ekonomi, Jabatan Perdana Menteri
19) Nur Khairunnisa Nadzirah binti Kamaruddin	B.Sc. Industrial Training	2016	Malaysia Industry Government High Technology
20) Nur Hanis Fatini binti Rosli	Diploma Industrial Training	2016	Computerized System for Akademi Kastam Diraja Malaysia
21) Muhammad Nur Syahmi Bin Anns	Diploma Industrial Training	2017	Tanradio.Com Sdn. Bhd.
22) Shammugam A/L Ramasam	B.Sc. Industrial Training	2017	Rasumi Health Consultancy Sdn Bhd
23) Ardhi Surya Ibrahim	B.Sc. Industrial Training	2017	Rasumi Health Consultancy Sdn Bhd
24) Fatin Farhana Bt Mohd Rosli	B.Sc. Industrial Training	2017	Majlis Perbandaran Port Dickson

25) Nabilah Binti Abdul Kadir	B.Sc. Industrial Training	2017	Unit ICT, Jabatan Kesihatan Negeri Sembilan
26) Asmidar Binti Jumelan	B.Sc. Industrial Training	2017	Jabatan Perhutanan Negeri Sembilan
27) Nur Afiqah Binti Abdul Rahman	B.Sc. Industrial Training	2018	Coway (M) Sdn. Bhd.
28) Nur Rabiatul Adawiah Binti Mohd Khalil	B.Sc. Industrial Training	2018	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
29) Nor Azim Bin Abdullah	B.Sc. Industrial Training	2018	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
30) Adib Syahmi Bin Mat Sharif	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
31) Ashraf Adib Bin Che Wizan @ Mohd Wizan	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
32) Muhamad Hafeez Bin Md Hanapiah	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
33) Muhammad Danial Danish Bin Muhammad Ashek	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
35) Mutaqim Bin Abdul Hamid	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.

Name	Level / Course	Year	Thesis Title / Project
36) Nadia Nadhirah Binti Mahzan	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.
37) Nur Shahirah Binti Abd Rahim	B.Sc. Industrial Training	2019	Innovation Associates Consulting (The IA Group) Sdn. Bhd.

FINAL YEAR PROJECT BACHELOR DEGREE AND DIPLOMA
ROLE: MAIN SUPERVISOR

Name	Level / Course	Year	Thesis Title / Project
1) Muhammad Fadhlan bin Md Fadilah	Diploma Final Year Project	2006	Sistem Penjualan Alat Muzik Secara Online
2) Nurul Huda bt Mohd Zaki	Diploma Final Year Project	2006	Sistem Stok Barangan Runcit
3) Mohd Nazrul b Mat Junoh	Diploma Final Year Project	2007	Online Information Portal of the MotorGP Malaysia
4) Ema Nadziera bt Yusoff	Diploma Final Year Project	2007	Oruru Bookstore Web Portal
5) Mohamad Hairulnizam bin Halim	Diploma Final Year Project	2013	EY Two One Inventory System
6) Mohamad Safwan bin Mohamed Senan	Diploma Final Year Project	2014	Emerald Park Maintainence System
7) Amir Hazim Syah bin Muhamad Paudzi	Diploma Final Year Project	2016	C-ACT Research lab security system
8) Soo Sit Kham	B.Sc. Final Year Project	2006	Integration of Password Encryption, Thumbprint and Face Authentication System

9) Nur 'Afwa bt. Mohd Taufik	B.Sc. Final Year Project	2006	Vehicles Service Maintenance Support System
10) Noor Hafizee Badarudin	B.Sc. Final Year Project	2006	Decision Support System for KUTKM Vehicles
11) Najiha bt Mohd Fuad	B.Sc. Final Year Project	2006	Empolyee Attendance System using Password and Fingerprint Recognition
12) Rohayu bt Ramli	B.Sc. Final Year Project	2007	Drug Ordering and Stock Keeping System for Hospital Tumpat, Johor
13) Norfazilah Mohamad Pon	B.Sc. Final Year Project	2007	Asset Management System for ICT Department in Pustaka Negeri Sarawak
14) Nor Bahyah Abdul Rashid	B.Sc. Final Year Project	2007	E-Leave and Claim System for Stradex Corporation Sdn. Bhd.
15) Mohd Arif Badarudin	B.Sc. Final Year Project	2007	Malacca Tourism Map System
16) Kalaivani a/p Kanabathy	B.Sc. Final Year Project	2007	Licencing Exemption Certification System for Royal Malaysian Customs Johor
17) Juriani @ Nani bt. Johor @ Daud	B.Sc. Final Year Project	2007	ICT Portal for Labuan Corporation
18) Woo Zhi Xuan	B.Sc. Final Year Project	2010	Diabetes Risk Evaluation Expert System Using Mamdani-Type Fuzzy Inference Technique
19) Nabilah binti Abdul Ghaffar	B.Sc. Final Year Project	2010	Alcoholic Liver Disease Expert System Using Multilayer Feedforward Neural Network
20) Loh Wai Hoong	B.Sc. Final Year Project	2010	Intelligent Tool To Select Desired Products Using Analytical Hierarchy Process Model

21) Cledyia binti Atat	B.Sc. Final Year Project	2010	Inteligent Child Health And Immunization Record System
22) Iek Zen Hing	B.Sc. Final Year Project	2010	Decision Support Tools For Service Selections Using Linear Algebra Technique
23) Syaimaa' binti Amri	B.Sc. Final Year Project	2015	Voice Recognition (Noise Removal for Voice Communication)
24) Siti Nadhrah Nini Binti Saaid	B.Sc. Final Year Project	2015	Plate Recognition during Traffic Light using MATLAB
25) Siti Fatihah Binti Mohd Sohaimi	B.Sc. Final Year Project	2015	Intelligent Road Tax Sticker identification system
26) Siti Nur Zarifah Binti Normansor	B.Sc. Final Year Project	2015	Voice Recognition (Noise Removal for Voice Communication)
27) Nabilah Binti Jamaludin	B.Sc. Final Year Project	2015	Human Voice Recognition for Detection System
28) Amir Hazim bin Muhamad Paudzi	Diploma Final Year Project	2015	Mobile robot
29) Aimi Nadirah bt Wahib	B.Sc. Final Year Project	2016	UTeM Clinic Laboratory Information System
30) Nor Fatin Asma binti Farid	B.Sc. Final Year Project	2016	UTeM Clinic Radiology Information System
31) Nur Afiqah Binti Abdul Rahman	B.Sc. Final Year Project	2016/2017	Empirical Study of Barriers and Challenges in Information Communication Technology Companies in Malaysia
32) Arash Daniel Bin Baharudin	Diploma Final Year Project	2017/2018	Online T-Shirt Design System

33) Nurul Izzaimah binti Jamaluddin	B.Sc. Final Year Project	2017/2018	Data analytic models for mobile communication service provider in Malaysia.
34) Fatin Shafiqah binti Rokman	B.Sc. Final Year Project	2017/2018	Data Analytics Tool for Malaysian Mobile Network Operators via Tweets using Support Vector Machine
35) Alimin Adlan bin Ahmad Amildin	B.Sc. Final Year Project	2017/2018	Data analytic models for mobile communication service providers using machine learning techniques
36) Nor Farah Ain binti Mahamed Jafarulla	B.Sc. Final Year Project	2017/2018	Smart Application and System for Patient Healthcare Monitoring using Internet of Things
37) Shastaa a/p V. Ratha	B.Sc. Final Year Project	2017/2018	Private Healthcare for IOT Service Platform in Smart Healthcare Application
38) Soh Javid	B.Sc. Final Year Project	2020/2021	Image Identification and Sorting Using Artificial Intelligence Technique

N. JOURNAL, WORKSHOP, SEMINAR AND CONFERENCE
ROLE: ORGANIZER, PRESENTER

Date	Title	Organizer, Venue	Role
15-18 Aug, 2006	IEEE International Conference on Industrial Informatics (INDIN'06)	IEEE, Corpthorne, Singapore	Presenter
24-25 May, 2006	Postgraduate Annual Research Seminar 2006	FSKSM, UTM	Presenter
19-23 Feb, 2007	PhD Proposal Presentation	D07, SPS UTM	Presenter

22-25 May, 2007	IEEE International Conference on Industrial & Engineering Application	IEEE, Harbin, China	Presenter
13 Jun, 2007	Bengkel Pemurnian Silibus Subjek Matematik dan Statistik	PPAkademik UTeM, City Bayview, Melaka	Presenter
30 Jul, 2007	Give a talk on AI (AI Outreach Program)	FTMK, Sek Men Muzafar Syah (MOZAC)	Presenter
27-28 Nov, 2007	International Conference on Engineering & IT – logistic committee	UTeM, Equotorial Melaka	Organizing Committee
7-9 Oct, 2009	Pertandingan Penyelidikan Pecipta 2009	UTeM and MITC	Organizing Committee
4-7 Dec, 2009	International Conference on Softcomputing and Pattern Recognition (SOCPAR 2009)	MITC, Melaka	Organizing Committee
28-31 Dec, 2009	International Conference on Industrial and Information System 09 in University Peradiniya, Sri Lanka	Faculty Engineering, Perediniya University and IEEE	Presenter
8 July, 2014	Qualitative Analysis with R	City Campus, UTeM	Instructor
14 Nov, 2014	Seminar on Thesis and Scientific Paper Writing	FTMK, UTeM	Instructor
8-11 Dec, 2014	World Congress on Information and Communication Technologies (WICT '14)	Equatorial Hotel, Melaka	Organizing Committee
17-18 Dec, 2014	The International Conference of	Dewan UTeM	Organizing Committee

	Postgraduate Education (ICPE'14)		
11-12 Apr, 2015	International Conference On Advances in Computing, Electronics and Electrical Technology (CEET 2015)	G-Tower, Kuala Lumpur	Invited Speaker
2-3 Sept, 2015	The International Conference on Advanced Research in Business and Social Sciences 2015	KLCC, Kuala Lumpur	Invited Speaker
2019	Journal of Industrial Research	Universitas Islam Indonesia	Editorial Board

REFEREES

i)   Professor Dr. Habibollah Haron

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        Faculty of Art, Computing and Creative Industry,

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        35900 Tanjung Malim, Perak, Malaysia.

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06010 Sintok, Universiti Utara Malaysia.

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