

CURRICULUM VITAE

Assistant Professor Geetha Baskaran, PhD, MSE, MPM, HRDF (TTT), PGCHE, BSc, FHEA

1. CONTACT INFORMATION

Date of birth April 20, 1979
Place of birth Melaka, Malaysia
Nationality Malaysian
Australia Permanent Resident (Visa 190)
Telephone number +6016-233 7555
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Research Gate Link https://www.researchgate.net/profile/Geetha_Baskaran2

2. RESEARCH INTEREST

3. ACADEMIC QUALIFICATION

Ph.D.: Computer Science

The University of Nottingham, 2016

Thesis : "A Domain Transformation Approach Addressing Shift Scheduling Problem"

Supervision: Prof. Andrzej Bargiela (UK)

Master in Software Engineering:

University Malaya, 2005

Dissertation Title: *An Integrated Tool for Information System Project Selection (ITISPS).*

Bachelor Computer Science (Hons) Software Engineering

University Putra Malaysia, 2002

Dissertation Title: *Advanced Information Technology Placement System (AITPS).*

Diploma Computer Science (Software Engineering)

University Putra Malaysia, 2000

3. CERTIFICATION

Post Graduate Certificate in Higher Education (PGCHE)

University of Nottingham, 2010

HRDF-Train the Trainer Certificate

Malaysian Institute of Technology with Human Resources Development Fund (MIT-HRDF), 2015

Mentoring Program Manager

Mentoring University from Boston, MA. (Online Course), 2014

First Aider

St.John Ambulance Malaysia, 2017

4. PROFESSIONAL EMPLOYMENT

Year	Position
12/2006 - present	Assistant Professor , The University of Nottingham Malaysia Campus, Faculty of Science, Jalan Broga, 43500 Semenyih, Selangor, Malaysia
08/2004 - 11/2006	Senior IT Lecturer , PRIME College (SEGI Group of Colleges), Sunway, Selangor, Malaysia
06/2002 - 07/2004	Project Manager , Worldwide Infosystems (M) Sdn. Bhd., Malaysia & Amsterdam
02/1999 - 03/2002	Team Member & Tutor , Maju Ilmu Tuition Center, Serdang Raya, Seri Kembangan, Malaysia
05/2001 - 11/2001	Software Programmer (Team Player & Tutor), University of Istanbul, Turkey
05/1998 - 11/1998	Web Designer , cu3D Technologies Pte. Ltd, Singapore

5. PROFESSIONAL MEMBERSHIP

Fellow of the Higher Education Academic (HEA) UK
 IEEE Malaysia section (Member)
 Auto Scheduling, Optimisation, Planning- UK Nottingham (Member)
 EURO Society (Member)
 The Organization for Women in Science for the Developing World (OWSD-Member)
 OWSD Malaysia National Chapter (Committee Member)

6. AWARDS

International

2017	Excellent Paper Award Emotion Digital Game-based Learning Application: ARCS Motivational MODEL? International Conference on Science, Technology, Engineering and Management (ICSTEM) 2017 at Madrid, Spain organized by ISER
2016	Excellent Paper Award Attendance System Using A Mobile Device: Face Recognition, Gps Or Both? International Conference on Innovative Engineering Technologies (ICIET) 2016 at Prague, Czech Republic organized by IRES
2014	Best Paper Award Seeing the Bigger Picture: Domain Transformation Approach to the Nurse Scheduling Problem at International Conference on Science, Engineering and Technology, Jakarta, Indonesia.
2010	Lord Dearing Award Recognised the outstanding achievements of University of Nottingham staff in enhancing the student learning experience. It is a high prestigious teaching award.
2009	Excellent Presentation Award International Workshop on Advanced Computational Intelligence and Intelligent Informatics, Tokyo, Japan
2004	Outstanding Service Award : from Worldwide Infosystems (M) Sdn. Bhd, Amsterdam

National

- 2017 Gold Medal**
Staff Scheduling Using Ant Colony and Domain Transformation approach; in iCompEx¹⁷ National Innovation & Invention Competition Through Exhibition 2017, Kedah
- 2017 Bronze Medal**
Mobile Game Based Learning for emotion Learning; in iCompEx¹⁷ National Innovation & Invention Competition Through Exhibition 2017, Kedah
- 2016 Silver Medal**
Attendance system Using Mobile Devices; in iCompEx¹⁶ National Innovation & Invention Competition Through Exhibition 2016, Kedah
- 2016 Bronze Medal**
Deterministic approach for solving a new benchmark studies on nurse scheduling; in iCompEx¹⁶ National Innovation & Invention Competition Through Exhibition 2016, Kedah
- 2015 Gold Medal**
Nurse Scheduling Using Mathematical Programming and Domain Transformation approach in iCompEx¹⁵ National Innovation and Invention Competition Through Exhibition 2015, Kedah
- 2005 Silver medal**
EEIC⁰⁵ National Expo Electronic, Innovation and Creativeness, University of Malaya, Kuala Lumpur.

6. INVITED TALKS

Key Note Speaker: Domain Transformation in Nurse Scheduling. International Conference on Artificial Intelligence, Energy and manufacturing Engineering (IIE ICAEME ' 2015) : Jan. 7-8, 2015 Dubai (UAE)

7. PROFESSIONAL ACTIVITIES

Editorial Board Member: Journal of Artificial Intelligence (Scientific Federation), 2017

Program Committee Member

- **Technical Program Committee:** at 2nd International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), Cambridge city, Churchill College. University of Cambridge, United Kingdom. 22-23 March 2017.
- **Session Chair** at School of Computer Science UNMC Research Away Day, Thursday 4th June 2015, Bangi-Putrajaya Hotel
- **Session Chair** at the International Conference on Artificial Intelligence, Energy and manufacturing Engineering (IIE, ICAEME'2015) : Jan. 7-8, 2015 Dubai (UAE)
- **Session Chair** at the 25th European Conference on Operational Research, EURO 2012, Session TC-14, Vilnius, Latvia, July 2012.
- **Local Steering Committee Chair** of European Conference of Modelling Simulation (ECMS), 2010.

Invited Judge for Program

Judge for Images of Research Competition (Poster) 12-13 November 2014, UNMC.

Judge for Kazakhstan Gifted Children Programme Poster 24.8.2015, UNMC.

Judge for National Science Fair for Young Children 2013, 21.7.2013, German Malaysian Institute (GMI), Bangi.

Judge for Engineering Inventions N' Innovations Challenge 2007 (EINIC 2007), 26.2.2007, DewanTunkuCanselor, University of Malaya.

Selected Workshops:

2017 : Research Funding and Powering the Innovation Engine Conference 2017, Lean Kaizen for University Staff, Effective Communication In the New Millennium, Emotional Intelligence at work, Stress Management: Are We Managing Stress Effectively?

2016-2014: Becoming a Personal Tutor & Lecturing for Learning (By Learning & Teaching Committee); Performance Review-Reviewer & reviewee by Martin Cusson; Coaching & Mentoring an Introduction & overview by John Richards; Access the Moodle Innovation for teaching & Learning by Dr. Houghton; FOS Consultation Workshop on Academic Workload Consultation; Research Info Day; Developing research collaboration, locally, nationally and internationally- Academic Development Workshop;

Selected Training: First Aider, HIRARC Training; Echo 360 Personal Capture Training; PGCHE Project Briefing session for Advisors

Reviewed Journals -Reviewer Role 2012-present: Journal of Computer Science-JCR, European Journal of Operational Research.-EJOR, – Information Sciences, CIE-Current Issue in Education, IEEE Transactions on Systems, Man and Cybernetics: Systems -SMC Information Sciences, Elsevier.

8. RESEARCH EXPERIENCE**Research Projects and Grants**

No	Title of Project	Funding	Role	Duration	Amount
7.	Resurrection- Serving the High Risk Youth (focusing on Time Management, Scheduling, Social and Emotional Management)	The Special Unit Program for Socioeconomic Development of Indian Community (SEDIC) – Prime Minister's Department, Malaysia	Project Leader	9months 2017	191575 RM

6.	Study on how VARK learning style could support Moodle from both the lectures and students point of view in enriching the teaching and learning experiences in UNMC	Teaching & Learning Strategic Fund UNMC	Project Leader	6months 2015	11750 RM
5.	Simulation of scheduling and cost effectiveness of nurses using domain transformation method.	Auto Scheduling, Optimisation, Planning- ASAP Travel Funds, UK Nottingham	Project Leader	1 month 2014	1650 pounds
4.	A Study Of Cost Effective Scheduling Of Nurses Based On The Domain Transformation Method	Auto Scheduling, Optimisation, Planning- ASAP Travel Funds, UK Nottingham	Project Leader	1 month 2013	1650 pounds
3.	From Simplified to Detailed Solutions to the Nurse Scheduling Problem	Auto Scheduling, Optimisation, Planning- ASAP Travel Funds, UK Nottingham	Project Leader	1 month 2012	1650 pounds
2.	Hierarchical method for nurse rostering based on granular pre- processing of constraints	Deans Postgraduate Research Scheme (UNMC)	Project Leader	1 month 2009	5000 RM
1.	ITISPS: An Integrated Tool for IS Project Selection	Faculty of Engineering Research Funds (UNMC)	Project Leader	1 month 2008	8000 RM

Research Supervision**As Main Supervision:****On-going PhD Students: (internal)**

[1] Balrama Appanaidu, 2017, Mathematical Modelling, UNMC

On-going Undergraduate Students:**Final Year Project**

Students Name	Year	Topic
Fateen Farhana bt. Mohd Nasri	2017	Digital Storytelling Using Emotion
Tang Suet Lee	2017	Creating a Math Tool that integrates Learner Motivation to Improve Effectiveness

2nd Year Group Project

Students Name	Year	Topic
Law Zhe Ming Lim Way Shearn Omar Mohamed Said Mohamed Hussein Yap Cheng Yee Loh Jin Xian	2017	Target Health Information Platform with Machine Learning

**Graduated Undergraduate Students:
Final Year Project**

Students Name	Year	Topic
Arjun Sharathkumar	2014	Educational Assignment Dashboard
Tan Zi Hao	2015	Development of Automated Nurse Rostering System Based on Domain Transformation
Hazim Mt Roslan	2015	Nurse Scheduling Problem with Mathematical Approach
Loh Wen Jen	2015	Integrated Information System Project
Muhammad Saifullah Syed Ahmad	2015	Selection Software Tool for Paper Company
Ahmad Farhan Aznan	2016	Attendance system Using Mobile Devices
Kong JinWern Justin	2016	Deterministic approach for solving a new benchmark studies on nurse scheduling problem
Mohamed Rishwan	2016	Indian Cultural Dance Mobile Application for the Speaking Impaired
Adam Tea Wei Guan	2016	Website and Android based application on Health and Fitness
Abbas b. Musa	2017	Staff Scheduling Using Mathematical Programming and Domain Transformation approach with Applied Optimization in the bigger domains. (FYP Winner: Runner Best FYP Award)
Muhammad Ihsan Muhammad Rawi	2017	Mobile Game Based Learning for emotion Learning
Low Suet Li	2017	Online Dance Education System
Kathereen Lee Poh Yee	2017	Online Primary School Evaluation Tool
Siew Qing Wang	2017	New Features for Increase Efficiency in an Inventory Management System.

As Main Co-Supervision:

On-going PhD Students: (external)

- [1] Nur Hashimah Bt Hanafi Shiema, 2017, Assessment of Air Quality and Health Impacts Due to Haze Pollution in Johor, University Technology Malaysia, Johor.

**Graduated Undergraduate Students:
Final Year Project**

Students Name	Year	Topic
JayaSreeRavindran	2014	Interactive Multimedia E-Learning Environment

2nd Year Group Project

Students Name	Year	Topic
Omar Mahmoud Sayed Ahmed Mohamed Daniel Kwok Zheng Xian Tham Huei Qi Tong Yew Jun Sharon Pawa Anak Denys	2017	Designing interfaces for children with special needs

Mohamed Said Mohamed Elsayed Mohamed Khadija Isabella Binti Antonio Regala Ovenden Ho Jin Cong Chen Gee Xun Darren Cheng Sum Jun	2017	AI Chat Bot for Appointment Management
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ExaminationInternal Final Year Project Undergraduate examiner (2014-current): **17**Internal PhD examiner: **1**

Students Name	Year	Topic
Sheena Leeza Verghese	2016 & 2017	Machine Learning Environment

Talk's delivered in University of Nottingham Malaysia Campus (UNMC)

- [1] Faculty of Science's research talk Seminar: Introduction to Domain transformation in Nurse Scheduling, 19 Aug 2015, UNMC.
- [2] Faculty of Science's research talk Seminar date : A Study of Cost Effective Scheduling Of Nurses Based On The Domain Transformation Method, 10th July 2013, UNMC.
- [3] Faculty of Science's research talk Seminar date : Greedy Algorithm in Nurse Scheduling, 16th November 2011 , UNMC.
- [4] Postgraduate talk : Simplified to detailed Nurse Scheduling Problem, 27th October 2010, UNMC
- [5] Postgraduate talk : Pre-processing (granulation) of constraints, 23rd June 2010, UNMC.
- [6] Faculty of Science's research talk Seminar date :Hierarchical method for nurse rostering, UNMC.

9. TEACHING EXPERIENCES

Gaining more than 11 years of Teaching in UNMC

Module Taught	Year	Module Convenor	Year
Scientific Computing	2014-on going	Scientific Computing	2014-on going
Fundamental Computing	2015-on going	Study Skills for Science	2011
Study Skills for Science	2010-on going	Digital Media	2006-2014
Digital Media	2006-2014	Communication Technology	2006-2015
Communication Technology	2006-2015	Principles of Programming	2010-2014
Principles of Programming	2010-2014		
Electronic Information	2006-2008		
Information Technology & Design	2006-2012		

Guest Lecturer of degree program :Introduction to Software Engineering-(2010-present),Project Management (2010-present), Human Computer Interaction(2012-present) , Algorithm Design (2010-present)

2001-2006 teaching modules

Discrete Math's, Commercial Application, C++, VB.Net, Data Communication, Software Project Management, Java Programming, Computer Network, Software Analysis and Design, OO Analysis, Algorithm and Design, Project Management and Calculus

10. LEADERSHIP ROLE

Vice Chair Gender Equality UNMC, 2013-current

Highlighted as Woman In Science for the Faculty of Science 2015-present (Inspirational Stories)

Program Chair/Organizer

- [1] **Program Chair Ada Lovelace Day:** Chair in organising conference in celebrating Ada Lovelace Day. Prepared talks, forum and games this involved the UNMC staff and students. The inspiring forum from a panel of 6 PhD students sharing their Journey to PhD. Held on 10.10.2017 at Great Hall, UNMC.
- [2] **Program Chair International Women Day:** Chair in organising conference in order to mark the day and gender Equality activity. Prepared the whole function involving all higher management of UNMC and Journey to Professorship forum. Held on 8.3.2017 at Great Hall, UNMC.
- [3] **Invited Speaker:** Ada Lovelace History For Women in Engineering UNMC 2016.
- [4] **Program Chair Stronger Together:** Chair in organising conference to understand the gender equality. The first half of the program dealing with Panel Speakers. Speakers are from various organization-ministry, local and international universities and industry. The second half is involving 25 higher education staff from various universities (national-international university). Held on 2.3.2016 at KLTC.
- [5] **Invited and presented in On-Location Event :** Presented the WinSET launch for the On-Location Event on 26 September 2014.
- [6] **Conference Chair: Program Launch Chair** of WinSET Program Launch on 9.9.14. Invited internal and external guest- with a successful poster competition, talks, role play and panel discussions.
- [7] **Invited speaker** for the WinSET & Women in Leadership : On engagement week with Centre for Advanced Study (CAS) by Prof Patricia Thomson on 11.3.2014, UNMC

Women Conferences participated

- [1] Women In Science Forum which is held in Taylor's University on 7.9.2017
- [2] Lean In Summit (Asia): 3.12.16. Asia School of Business, KL
- [3] Gender Equality and Leadership: 30.1.16 UNMC
- [4] Oxford Women's Leadership Symposium: 7-9 Dec 2015, Somerville College, Oxford
- [5] Lean In Malaysia: 5.12.15. Berjaya Hotel, KL
- [6] Women in Higher Education Management: Breaking the Glass Ceiling, 12-14 August 2015, University Malaya
- [7] International Corporate Women Summit, KL on 30.8.13
- [8] Exploring the F-Word: Got Consent? By AWAM celebrating International Women's Day, @ The Annexe Gallery, Central Market, 8th March 2013
- [9] 5th International Women's Conference (IWC), titled "Women and Technology" hosted at the Art of Living's International Centre in Bangalore, India, February 3-5, 2012
- [10] Breakfast Talk on Woman in the boardroom, Conference Hall 2, Securities Commission Malaysia, KL, 13.9.2011

University	Faculty	School
Vice Chair Gender Equality Nottingham (GEN)(2013-on going)	Act as Equality & Diversity Chair of the Faculty of Science (2016- on going)	Act as Acting Head of Computer Science Foundation (2009-2010)
GEN Program Champion cum Manager (2013- on going)	Act as Athena SAT Chair leading the Faculty of Science Athena Award submission (2016- on going)	Act as an Administration Tutor for Foundation of Science (2015- on going)
Member of the International GEN Activities Group (2014- on going)	Act as Athena Champion leading the Foundation of Science in Faculty of Science (2013- on going)	Act as a Marketing Officer and Disability Liaison Officer for Foundation of - Science (2010- on going)
Gender Equality Initiative (GEI) as the Key Resource Person (2016- on going)	Professional Development Task Force Leading Member for the Faculty of Science in UNMC (2014)	Personal Academic Record Tutor (2006- on going)
Act as a Learning Set Advisor, Individual and Group Project Accessor and Peer Reviewer (Teaching appraisal) for the Post Graduate Certificate of Higher Education candidates (2010- on going)	Marketing Task Force Leading Member for the Faculty of Science in UNMC 2015	Act as Examination Officer (2007-2009), Web and IT Champion (2008-2009), Timetabling Officer (2009-2010)

11. PUBLICATION

PEER-REVIEWED JOURNAL PUBLICATION:

- [7] **BASKARAN,G**, and AHMAD FARHAN AZNAN, 2016. Attendance System Using A Mobile Device: Face Recognition, Gps Or Both?, International Journal Of Advances In Electronics And Computer Science (IJAECs), 3(8) Aug 2016, Pages 26-32, ISSN: 2393-2835
- [8] **BASKARAN,G**, BARGIELA, A. and R.QU, 2014. Seeing the Bigger Picture: Domain Transformation Approach to the Nurse Scheduling Problem; Australian Journal of Basic and Applied Sciences (AENSI Journal), 8(24) Special 2014, Pages: 308-320; ISSN:1991- 8178
- [9] AMIR A.N, **BASKARAN G.** and FADZILAN A.M, 2013. Nepros- An Innovated Crystal Necklace, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, Vol:7, No:8, 2013, Pages : 1074-1078, World Academy of Science, Engineering and Technology(WASET), International Scholarly and Scientific Research & Innovation. August 2013 Paris In: ICCT 2013 : International Conference on Communication Technology; Paris, France. 1040-1044

PEER-REVIEWED CONFERENCE PUBLICATION:

- [10] Ramakrisnan,K , **Baskaran,G** and Norizan Mohd Yasin, 2017 . “The Role of Internship in Improving student’s competencies in 21st Century Education System” in the Proceeding of IIRAJ International Conference (ICICIRSTM-2017) NUS Singapore 16-17 September. Page : 29-36. ISBN:978-93-5281-535-7.
- [11] **BASKARAN,G**, and MUHAMMAD IHSAN MUHAMMAD RAWI, 2017. Emotion Digital Game-based Learning Application: ARCS Motivational MODEL? in the "Proceedings of The ISER International Conference in Madrid", International Conference on Science, Technology,

- Engineering and Management (ICSTEM) : 23rd-24th June , 2017 at Madrid, Spain. Paper ID: IS-STEMSPAIN-23067- 4473, DOI Online : ISER.16062017.4473. Page : 52-59. ISBN:978-93-86291-88-2
- [12] **BASKARAN,G**, and AHMAD FARHAN AZNAN, 2016. ATTENDANCE SYSTEM USING A MOBILE DEVICE: FACE RECOGNITION, GPS OR BOTH? in the "Proceedings of The IRES International Conference in Prague", International Conference on Innovative Engineering Technologies (ICIET): 23rd-24th June , 2016 at Prague, Czech Republic. Paper ID: IRES-ICIETPRAGUE-23066-2539 , Page : 26-32. ISBN 978-93-86083-40-1.
- [13] **BASKARAN,G**, APPLANAI DU B., NG P.K. AND RAMAKRISHNAN K., 2015. Moodle good learning environment? Survey to Support Lecturers in Identifying VARK Learning Styles and Students Learning Experiences. in the "Proceedings of MAC-ETL 2015 in Prague", Multidisciplinary Academic Conference on Education, Teaching and Learning in Prague, Czech Republic (MAC-ETL 2015): Dec. 4-6, 2015 Prague (Czech), Paper ID: *MAC201512122* Page:1-6 ISBN 978-80-88085-04-1.
- [14] **BASKARAN,G**, BARGIELA, A. and R.QU, 2015. Domain Transformation Using Greedy Algorithm in Nurse Scheduling. In Proceedings of : 2015 International Conference on Artificial Intelligence, Energy and manufacturing Engineering (IIE ICAEME'2015) : Jan. 7-8, 2015 Dubai (UAE), Paper ID: E0115039; ISBN 978-93-84422-05-9
- [15] **BASKARAN,G**, BARGIELA, A. and R.QU, 2014. New Solution for a Benchmark Nurse Scheduling Problem Using Integer Programming. Published in IT Convergence and Security (ICITCS), International Conference on IT Convergence and Security (ICITCS), IEEE, 28-30 Oct 2014: Beijing, China, DOI: 10.1109/ICITCS.2014.7021791
- [16] **BASKARAN,G**, BARGIELA, A. and R.QU, 2014. Integer Programming: Using Branch and Bound to Solve the Nurse Scheduling Problem In: Proceedings of 2014 International Conference on Artificial Intelligence & Manufacturing Engineering (ICAIME 2014) : Dubai, UAE 2014 Paper ID: U1214025 ; ISBN 978-93-84468-11-8
- [17] **BASKARAN,G**, BARGIELA, A. and R.QU, 2014. Simulation of scheduling and cost effectiveness of nurses using domain transformation method. In Proceeding: 28th European Conference for Modeling and Simulation ECMS 2014, Brescia, Italy, 28. ISBN: 978-0-9564944-8-1. doi:10.7148/2014
- [18] **BASKARAN,G**, BARGIELA, A. and R.QU, 2013. A Study Of Cost Effective Scheduling Of Nurses Based On The Domain Transformation Method. In Proceeding : 27th European Conference on Modelling and Simulation, ECMS 2013, Alesund, Norway 27. DOI: 10.7148/2013-0309
- [19] FADZILAN A.M, **BASKARAN ,G**, and AMIR A.N, 2013. Educational Psychology: Innovating Visual Arts. In Proceeding: 7th International Academic Conference: International Institute of Social and Economic Sciences, Prague, the Czech Republic International Institute of Social and Economic Sciences(IISES). 204-214, ISBN 978-80-905241-7-0, ISSN 2336-5617
- [20] MD. ZAINI, S.I and **BASKARAN, G**, 2013. InSixth: An alternative multiple-sense device for the Disable A Concept Device .In Proceeding: 7th International Academic Conference: International Institute of Social and Economic Sciences, Prague, the Czech Republic International Institute of Social and Economic Sciences(IISES). 443-453, ISBN 978-80-905241-7-0, ISSN 2336-5617
- [21] AMIR A.N, **BASKARAN G**. and FADZILAN A.M, 2013. Nepros- An Innovated Crystal Necklace, World Academy of Science, Engineering and Technology(WASET), International Scholarly and Scientific Research & Innovation. August 2013 Paris In: ICCT 2013 : International Conference on Communication Technology; Paris, France. 1040-1044
- [22] **BASKARAN,G**, BARGIELA, A. and R.QU, 2013. Integer Programming: Domain Transformation in Nurse Scheduling Problem: WASET, Melbourne, Australia In: ICCSIE

- 2013 : International Conference on Computer Science and Information Engineering. 1403
- [23] **BASKARAN, G.**, BARGIELA, A. and QU, R., 2012. In: From Simplified to Detailed Solutions to the Nurse Scheduling Problem: Vilnius, Latvia, 25th European Conference on Operational Research (EURO XXV), Session TC-14 p.134-135
- [24] **BASKARAN, G.**, BARGIELA, A. and QU, 2009. Hierarchical method for nurse rostering based on granular pre-processing of constraints. In: Proceeding. 23rd European Conference on Modelling and Simulation, Madrid, Spain 855-861, DOI: 10.7148/2009-0855-0860.
- [25] BARGIELA, A., **BASKARAN, G.**, 2009. Granular Approach to Personnel Scheduling: Inspiration from the Hirota Lab. In: International Workshop on Advanced Computational Intelligence and Intelligent Informatics, Tokyo, Japan
- [26] CHONG, M.F., **BASKARAN, G.**, TANG, Y.H., LIM, C.H., MATTHEWS, R., 2009. In: International Conference on Education & Engineering (ICEE 2009) In: Evaluation of Reflective Thinking among the University of Nottingham Malaysia Campus (UNMC) Teaching staff.
- [27] **BASKARAN,G**, 2008. United Kingdom : : Malaysia Engineering Conference 2008 (University College London-London) In: ITISPS: An Integrated Tool for IS Project Selection.
- [28] **BASKARAN,G**, 2008. PGCHE Teaching and Learning Development Conference 2008 (University of Nottingham Malaysia Campus) In: Investigate Students' Learning Style and Academic Performance for Effective Teaching in Digital Media.
- [29] **BASKARAN,G**, 2005. Malaysia Software Engineering Conference, UTM Johor In: Evaluation of ITISPS: An Integrated Tool for IS Project Selection.
- [30] **BASKARAN,G**, 2004. Informatics 2004 Conference UM In: M-BOOK-The Electronic Book.

PEER-REVIEWED NATIONAL INNOVATION & INVENTION COMPETITION:

- [31] **BASKARAN, G**, and Abbas Musa, Staff Scheduling: Integer Programming(lp) And Ant-Colony, National Innovation & Invention Competition through Exhibition 2016, iCompEx'17, POLIMAS Kedah on 21-23 Mac 2017 **(WON GOLD MEDAL)**.
- [32] **BASKARAN, G**, and Muhammad Ihsan Muhammad Rawi, Game Based Learning? Mobile Based Emotion Game For Children, National Innovation & Invention Competition through Exhibition 2016, iCompEx'17, POLIMAS Kedah on 21-23 Mac 2017 **(WON BRONZE MEDAL)**.
- [33] **BASKARAN, G**, and Kong Jin Wern, Deterministic Approach of Solving New Benchmark Studies On Nurse Scheduling Problem, National Innovation & Invention Competition through Exhibition 2016, iCompEx'16, POLIMAS Kedah on 24-26 Mac 2016 **(WON BRONZE MEDAL)**.
- [34] **BASKARAN, G**, and Ahmad Farhan Aznan, Attendance System using Mobile Devices, National Innovation & Invention Competition through Exhibition 2016, iCompEx'16, POLIMAS Kedah on 24-26 Mac 2016**(WON SILVER MEDAL)**
- [35] **BASKARAN, G.**, BARGIELA, A. and QU, R., (2015) Domain Transformation In Nurse Scheduling Problem Using Integer Programming National Innovation & Invention Competition through Exhibition 2015, iCompEx'15, POLIMAS Kedah on 24-26 Mac 2015**(WON GOLD MEDAL)**
- [36] ABBAS, M and **BASKARAN,G**, 2014. Tele-'X' Scanner-Innovation in Technology and Education: Poster and Abstract presented in National Level In: Conference, Competition Exhibition (CCE) 2014.
- [37] EUNICE,W.J and **BASKARAN,G**, 2014. Tele The Cube-Innovation In Teaching And Learning Through New Technology In Assistive Technology: Poster and Abstract presented National Level In: Conference, Competition & Exhibition (CCE) 2014.

- [38] HANANI, A.I and **BASKARAN,G**, 2014. Tele Smart Edu Ring (Tele-S.E.R): Poster and Abstract presented National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [39] NURUL AFIFAH, A and **BASKARAN,G**, 2014. Tele- Edupsycho Smartboard (Tesk): Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [40] MUHAMMAD IHSAN, M.R and **BASKARAN,G**, 2014. Tele-Braille E-Reader: Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [41] SEOW, L.J and **BASKARAN,G**, 2014. Responsive Intelligent Assistive System (Rias): Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [42] KHAIRUL FAIZ, M. and **BASKARAN,G**, 2014. Presentation Communication Hologram Display (Prezchod): Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [43] LEE, H.Y and **BASKARAN,G**, 2014. Teleinsomauti (Tia): Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [44] ABBAS, M,, MUHD. FAIZ, A.R and **BASKARAN,G**, 2014. Tele-Edu Assistant: Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [45] ANNES FADINA, T, NADIATUL AKMAR A.A, NURSHAHIRAH, S and **BASKARAN,G**, 2014. Tele-Encephalocardio:Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [46] SARA FATINI, A.N, TAN,H.Y, ONG, P.Z and **BASKARAN,G**, 2014. Teleauti@Ednova: Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [47] ADIBAH HANIS, A, ILI IRDINA,R, CHAN, K.S and **BASKARAN,G**, 2014. Music Therapy Technology For Cognitive Studies Of Feelings And Human Behaviour: Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [48] KELVIN ANG, J.C, SEOW, L.J, HANANI, A.I and **BASKARAN,G**, 2014. Interactive Reality Simulation: Poster and Abstract presented in National Level In: Conference, Competition & Exhibition (CCE) 2014.
- [49] **BASKARAN, G.**, BARGIELA, A. and QU, R., (2009) Introduction to Hierarchical Method in Nurse Scheduling In: Research for a Better Tomorrow: Impacts in the 21st Century, University of Nottingham, Malaysia.

12. CITIZENSHIP (2014- current)

- [1] **President** of the Parents Teachers Association for the Sekolah Rendah Kebangsaan Jalan Bukit 2,Kajang (2014-present)
- [2] **Don Quixote, A Man of La Mancha** Choreographer & Artist for the play in UNMC. This is performed in Campus, Seremban Kesenian Theater, and Temple of Fine Arts KL.
- [3] **Fund Raise Event:** Chair in organising a Fund Raise Event, NrityaSaucha Sankalpa, Local and international audience. Prepared the whole dance show with life music performance. Held on 27.8.2016 at Great Hall, UNMC.
- [4] **Volunteered** in the Tri-Campus Open day 2016 (dance performance)
- [5] **Volunteered** for rebuilding the Nepal booth on 2015 at UNMC

[6] **Volunteered** for Life Cycle charity booth on 6.9.14.

REFERENCES

Can contact anytime:

- 1. Professor Christine Ennew OBE,**
Provost
University Executive Office, University House, University Warwick, Kirby Corner Road, Coventry, CV4 8UW
C.Ennew@warwick.ac.uk | t 024 7652 2380 | m 07824 540872 | @ChrisEnnew
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