



## Dr Siti Fatimah Mohd Yassin

### CONTACT INFORMATION

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### ACADEMIC QUALIFICATION

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1. PhD (Universiti Teknologi Malaysia) 2007
2. MScEd in Computer Based Learning (The Queen's University of Belfast) 1998
3. Bachelor in Computer Science (Institut Teknologi Mara – Universiti Kebangsaan Malaysia) 1989

### AREAS OF RESEARCH

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1. Computer Education
2. Educational Technology
3. Online test management
4. Gifted and Talented Education

### TEACHING

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#### UNDERGRADUATE:

1. GE1153/55 Computer in Education
2. GE2113 Curriculum and Pedagogy
3. GE2123 Education Technology and Innovation
4. GE4123 Instructional Planning and Development

## **POSTGRADUATE:**

1. GE6913 Computer Training
2. GE6923 Teaching and Learning Computer Programming
3. GE6933 Thinking Skills in Computer Education
4. GE6943 Computer Education Research
5. GE6953 Computer Education Evaluation

## **RESEARCH GRANTS**

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### **PENYELIDIKAN**

#### **A. Penyelidikan Dana KSTI**

Tajuk, Kod Penyelidikan, Jenis Dana, Tarikh Mula - Tarikh Tamat, Peruntukan, Peranan

- Pemupukan Proses Kreatif dan Penyelidikan Sainifik Dalam Kalangan Pelajar Pintar Cerdas, UKM-DIPM-047-2011, Dana
1. Insentif Penyelidik Muda, 01/02/2011 - 31/01/2012, RM10000.00, Ketua Projek  
Pentaksiran pelajar pintar dan berbakat dalam bidang ICT,
  2. GGPM-2012-055, Geran Galakan Penyelidik Muda, 01/10/2012 - 31/03/2016, RM15000.00, Penyelidik Bersama  
Pembinaan P&P Model berteraskan Jasmani, Emosi, Rohani dan Intelektual (JERI) untuk Pelajar Pintar Cerdas Sekolah
  3. Rendah dan Menengah, UKM-GUP-JKKBG-08-07-026, Geran Universiti Penyelidikan, 01/06/2008 - 31/12/2010, RM142000.00, Ketua Projek  
Development and Evaluation of Mobile Content for The Postgraduate Students, UKM-GUP-JKKBG-08-09-035, Geran
  4. Universiti Penyelidikan, 01/06/2008 - 31/05/2010, RM91200.00, Penyelidik Bersama  
The Development of Enrichment Program for Gifted and
  5. Talented Student in Secondary School, UKM-GUP-TKS-08-09-264, Geran Universiti Penyelidikan, 01/01/2008 - 31/12/2010, RM110000.00, Penyelidik Bersama  
Development Of Malaysian Technological Creativity Theory (Model) and Instrument To Promote T-Creativity Among
  6. Adolescents, UKM-GUP-TKS-08-09-252, Geran Universiti Penyelidikan, 01/01/2008 - 31/12/2010, RM80000.00, Penyelidik Bersama  
Using metacognitive approach to develop "expert learner",
  7. UKM-GUP-TKS-08-09-247, Geran Universiti Penyelidikan, 01/01/2008 - 30/06/2010, RM150000.00, Penyelidik Bersama  
Developing A screening Tool Kit (ST KIT) For At-Risk Preschool and Year One Primary School Children In Malaysia, UKM-
  8. GUP-TKS-08-09-259, Geran Universiti Penyelidikan, 01/01/2008 - 28/02/2010, RM120000.00, Penyelidik Bersama  
Keberkesanan Program Kesenian ke atas Pembentukan Jati Diri Kebangsaan Pelajar Pintar Cerdas, UKM-PERMATA-8-
  9. 2010, Jabatan Perdana Menteri, 01/03/2010 - 28/02/2011, RM1131400.00, Penyelidik Bersama  
Pembinaan Pangkalan Data dan Profil Pelajar Pintar Cerdas
  10. di Malaysia, UKM-PERMATA-2-2010, Jabatan Perdana Menteri, 01/03/2010 - 28/02/2011, RM380000.00, Ketua Projek

11. OUP-2012-024, OUP Kumpulan, 01/01/2012 - 31/12/2012, RM40000.00, Ahli Kumpulan
12. UKM-OUP-CMNB-07-24/2011, OUP Kumpulan, 01/01/2011 - 31/12/2011, RM35000.00, Ahli Kumpulan  
Development Of Online 21st Century Thinking Skills
13. Assessment: Towards Humanising Assessment Of Human Capital, 01-01-02-SF0461, ScienceFund MOSTI, 01/09/2007 - 01/03/2009, RM281400.00, Penyelidik Bersama  
Developing A Web-Based Metacognitive Learning Strategies Courseware For Effective Learning In Hypermedia
14. Environment, 01-01-02-SF0246, ScienceFund MOSTI, 01/12/2006 - 31/10/2008, RM157300.00, Penyelidik Bersama  
Pelaksanaan Strategi untuk Membangunkan Kapasiti Penyelidikan dalam kalangan ahli Pusat Pembudayaan
15. STEM, Fakulti Pendidikan, UKM, GG-2018-014, Tabung Kokurikulum PTJ, 01/10/2018 - 30/09/2019, RM20000.00, Penyelidik Bersama

### C. Penyelidikan Fundamental (RMK9)

1. Knowledge Construction in Mobile Learning Environment , 01-11-2009 , 31-10-2011 Fundamental, UKM-GG-04-FRGS0118-2009 44500.00 , Penyelidik Bersama  
A national study of school dropouts characteristics, risk factors and the development of dropout prevention strategies , 01-11-2006 , 31-07-2009 Fundamental, UKM-GG-05-FRGS0008-2006 80000.00 , Penyelidik Bersama  
Pembinaan Model Program Pendidikan Pintar Cerdas di
3. Malaysia , 15-03-2010 , 14-09-2013 Fundamental, UKM-GG-05-FRGS0061-2010 38000.00 , Penyelidik Bersama

### PUBLICATIONS

1. Siti Fatimah Mohd Yassin, Saemah Rahman, Hamidah Yamat , 2012 , Mercu Kesarjanaan Pengajaran dan Pembelajaran: Penyelidikan Tindakan di Institusi Pengajian Tinggi , 31-46
2. Siti Fatimah Mohd Yassin, Noriah Mohd Ishak, Melor Mohd Yunus, Rosadah Abd Majid , 2012 , Procedia Social and Behavioral Science - International Conference on New Horizons in Education (INTE2012) , The identification of gifted and talented students , 55:585-593 ,
3. Saemah Rahman, Ruhizan M. Yasin, Siti Fatimah Mohd Yassin , 2012 , World Applied Sciences Journal , Project-based Approach at Preschool Setting , 16(1):106-112
4. Saemah Rahman, Siti Fatimah Mohd Yassin & Ruhizan Mohd Yasin , 2012 , Mercu kesarjanaan pengajaran dan pembelajaran penyelidikan tindakan di Institusi Pengajian Tinggi , 31-46
5. Aliza Alias, Saemah Rahman, Rosadah Abd Majid & Siti Fatimah Mohd Yassin , 2013 , Asian Social Science , Dabrowski`s overexcitabilities profile among gifted students , 9 , 16SPL , 120-125

6. Rosadah Abd Majid, Siti Fatimah Mohd Yassin, Noriah Mohd Ishak, Mohd Puaad Othman, Riza Atiq Abdullah O.K. Rahmat, Sity Daud , 2013 , An International Journal of Knowledge, Culture, and Change in Organizations , A study on graduate and undergraduate aspects of leadership characteristics , Vol. 11, Issue 6, 153-166
7. Nor Sakinah Mohamad, Siti Fatimah Mohd Yassin, Mohd Zaem Esrati & 4Mior Muhammad Saiful Nizan Mohd Saali , 2014 , International Conference on Gifted and Talented Education (IC-GATE) / Pusat Permata Pintar Negara , Teaching and learning system of the Permatapintar school holiday program , 266-271
8. Mohd. Ishak, Siti Fatimah Mohd. Yassin, Abu Yazid Abu Bakar, Siti Rahayah Ariffin, Rorlinda Yusof, Nor Sakinah Mohamed & Ong Sy Ing , 2014 , International Conference on Gifted and Talented Education 2014 (ICGATE 2014), UKM , Identifying Gifted Children - The PERMATApintar Practice , 1 , 1 , 78-85
9. Noriah Mohd Ishak, Siti Fatimah Mohd Yassin, Siti Rahayah Ariffin, Rorlinda Yusof, Nor Sakinah Mohamed, Ong Sy Ing , 2014 , International Conference on Gifted and Talented Education (IC-GATE) / Pusat Permata Pintar Negara , Identifying gifted children- The Permatapintar practice ,
10. S.F. Mohd Yassin, N.S. Mohamad, N. Mohd Ishak , 2015 , INTED2015 Proceedings (9th International Technology, Education and Development Conference) , The system of managing online intelligence tests in identifying intellectually gifted students , 1 , 0141-0147
11. Fariza Khalid, Md Yusoff Daud, Mazalah Ahmad, Siti Fatimah Mohd Yassin, Rosseni Din, Aidah Karim , 2015 , The application of ePortfolio as a platform for assessing students learning
12. Azman Jais, Siti Fatimah Binti Mohd Yassin , 2015 , National Research Seminar 2015 " strengthening Scholarships Through Research" , Motivasi guru dalam penerimaan dan penggunaan VLE dalam kalangan guru , 693-704
13. N.S. Mohamad, S.F Mohd Yassin, N. Mohd Ishak, M.Z. Esrati & M.M Mohd Saali , 2015 , INTED2015 Proceedings (9th International Technology, Education and Development Conference) , The online assessment system for permatapintar school holiday program , 1 , 0155-0163
14. Fariza Khalid, Siti Fatimah Mohd Yasin , 2015 , Seminar Kebangsaan Majlis Dekan-dekan IPTA 2015 , Membangun kapasiti pemikiran reflektif melalui kursus komputer dalam pendidikan , 377-384
15. Fariza Khalid, Siti Fatimah Mohd Yassin, Md Yusoff Daud, Aidah Abdul Karim, Mohd Jasmy Abd Rahman , 2016 , Creative Education , Exploring Reflective Capacity among First-Year Students on a Computer in Education Course , 7 , 77-85
16. Noraini Talib, Siti Fatimah Mohd Yassin, Mohd Khalid Mohamad Nasir, Muhammad Abd Hadi Bunyamin , 2016 , Journal of Advanced Research Design , Integrating technological pedagogical and content knowledge in computer programming courses: Issues and challenges , 27 , 1 , 1-13

17. Azman Bin Jais, Siti Fatimah Binti Mohd Yassin, Abdul Haris bin Johari , 2016 , Jurnal Penyelidikan , LMS Schoology dalam pembelajaran bukan bersemuka kursus falsafah pendidikan di Malaysia , 16 , 152-159
18. Noraini Talib, Siti Fatimah Mohd Yassin, Mohd Khalid Mohamad Nasir , 2016 , Journal of Advanced Research in Social and Behavioural Sciences , Mengkaji pentaksiran pengaturcaraan komputer berdasarkan penyelesaian masalah kreatif menggunakan pendekatan grounded theory , 5 , 1 , 25-38
19. Syarifah Nurul Farhana Binti Syed Mohd, Nor Idayu binti Nordin & Siti Fatimah binti Mohd Yassin , 2017 , Proceedings of the East Coast Education Research Symposium 2017 , Tahap kesediaan pensyarah dalam penggunaan teknologi mudah alih di kolej komuniti kuantan , - ,
20. Chooi May Sun & Siti Fatimah Mohd Yassin , 2017 , Membudayakan Amalan Abad ke-21 , Pembinaan dan pelaksanaan modul pengaturcaraan scratch melalui pembelajaran koperatif di sekolah , 2 , 312-321
21. Syarifah Nurul Farhana Binti Syed Mohd, Mohd Sahar Bin Sulaiman, Siti Fatimah Binti Mohd Yassin , 2017 , Graduate Research in Education Seminar: Promoting Research Cultural Excellence in Educaiton and Human Resource Development , Kesediaan pelajar kolej komuniti dalam penggunaan teknologi mudah alih ,
22. Nazifah binti Hayani & Siti Fatimah binti Yassin , 2017 , GREduc 2017 Promoting Research Culture Excellence in Education and Human Resource Developmen , Tahap amalan pembelajaran teknologi maklumat dan komunikasi berdasarkan elemen tpack di srai sg manggis ,
23. Noraini Talib, Siti Fatimah Mohd Yassin, Mohd Khalid Mohd Nasir , 2017 , International Journal of Academic Research in Progressive Education and Development , Teaching and learning computer programming using gamification and observation through action research , 6 , 3 , 1-11
24. Azman Jais, Siti Fatimah Mohd Yassin , 2017 , International Education & Research Journal [IERJ] , Motivational factors that influence teacher`s acceptance of virtual learning environments , 3 , 3 , 61-63
25. Noraini Talib, Siti Fatimah Mohd Yassin & Mohd Khalid Mohd Nasir , 2017 , International Journal of Academic Research in Business and Social Sciences , Needs Analysis Research For Programming Education Program , 7 , 7 , 445-453
26. Nurul Suzaina Joli, Mohd Hasrul Kamarulzaman, Noriah Mohd Ishak , Afifah Mohamad Radzi, Siti Fatimah Mohd. Yassin & Ahmad Khusairi Ahmad Anwar , 2018 , Proceedings International Conference On Special Education In Southeast Asia Region 8th Series (ICSAR 2018) , Ciri ciri sindrom asperger di kalangan pelajar pintar cerdas , CETAKAN PERTAMA 2018 , 319-32

## **SUPERVISIONS**

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### **PhD (Graduated):**

1. P36774 Simranjeet Kaur Judge (2011)
2. P62442 Azman Jais (2018)
3. P80513 Noraini Talib (2019)

### **PhD (In progress):**

1. P90290 LETCHUMANAN A/L SHANMUGAM
2. P94829 MOHD NIZAM BIN MUHAMAD
3. P95224 KUMARAN A/L SEKAR

### **Masters (Graduated):**

1. P87180 SYARIFAH NURUL FARHANA BINTI SYED MOHD (2018)
2. P84594 NAZIFAH BINTI HAYANI (2018)
3. P73758 CHOOI MAY SUN (2018)
4. P64734 FONG LAY MAN (2016)
5. P73755 NORHASHIMAH BINTI MATULIDI (2016)
6. P73757 ANIS FIRDAUS BINTI ASMI (2016)
7. P66419 NOR AZLYN BINTI ABD KADIR (2015)
8. P69100 ONG CHEN NEE (2015)
9. P66428 NORAINI BINTI TALIB (2014)
10. P66454 NUR AZEELA BINTI MOHD ZAKI (2014)
11. P52386 SITI FAIRUZ NURR BINTI SADIKAN (2013)
12. P54095 ROSYIATIMAH BINTI ISMAIL (2013)
13. P54597 RAHIM BIN OMAR (2013)
14. P45665 HASRUL AMENUDDIN BIN MOHD SALLEH (2012)
15. P56563 SITI HAJAR BINTI ALAF DIN (2012)
16. P45650 ASRI BIN MEON (2012)
17. P45671 MOHD.RASYIDI BIN MOHD.DOM (2012)
18. P47528 MUSLIHA BINTI MD MUSRUKIN (2012)

### **Masters (In progress):**

1. P97315 ROSMAWATI BT MANSOR
2. P101391 NOOR AZLIN BINTI AMIHAMZAH

## **AWARDS**

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1. Anugerah Perkhidmatan Cemerlang , 31-10-2008 ,
2. Anugerah Penyelidikan , 07-08-2009 , UKM , UKM.
3. Anugerah Perkhidmatan Cemerlang , 26-04-2012
4. Anugerah Perkhidmatan 20 Tahun , 28-09-2016 ,

## WORKING EXPERIENCE

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1. Research Officer for Joint Venture Project of the Malaysian Institute of Microelectronic Systems (MIMOS) and Ministry of Education
  - a. Computer Integrated Learning project (1998-1993)
  - b. National Education Network (1994-1995)
2. Tutor at Faculty of Education, UKM 1995-1998
3. Lecturer at Faculty of Education, UKM 1998-2007
4. Senior Lecturer at Faculty of Education, UKM (2007- current)

### Administrative post at UKM

1. Webmaster, Faculty of Education, 1996-1997
2. ICT Coordinator, Faculty of Education, 2001
3. ISO Coordinator, Faculty of Education, 2006
4. Diploma of Education Coordinator, Faculty of Education, 2007-2009
5. Talent Search and Management Coordinator, Pusat PERMATApintar Negara 2009-2010
6. Talent Search and Management, Head of Program, 2011-current