



Hazami b. Che Hussain
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**Universiti
Malaysia
PAHANG**
Engineering • Technology • Creativity

Academic Qualification

1. Msc Manufacturing System Engineering, Universiti Putra Malaysia (UPM), 2013
2. B. Eng Mechanical Engineering (Material), Universiti Teknologi Malaysia (UTM), 2001

Brief Profile

Currently, Hazami B Che Hussain is a vocational training officer and co-researcher in Universiti Malaysia Pahang. He graduated from Universiti Teknologi Malaysia with a Bachelor of Mechanical Engineering in 2001. After his first degree in 2001, he works at HPMT Sdn Bhd for 3 years as a Production Engineer, Master Prelude Sdn Bhd for 2 years as a QA/QC Engineer and NVT Technology Sdn Bhd for 7 month as a Production Engineer. He has shown vast interest in sheet metal forming, welding, cutting tool and material research area. At present, he actively involves in manufacturing and material research activities.

Working Experiences / Appointment

1. Sept 2005 – Current Instructor Engineer – Universiti Malaysia Pahang
2. Feb 2005 – Aug 2005 Production Engineer – NVT Technology Sdn Bhd
3. Jun 2003 – Jan 2005 QA/QC Engineer – Master Prelude Sdn Bhd
4. Aug 2001 – Mei 2003 Production Engineer – HPMT Technology Sdn Bhd

Expert Area

1. Cutting Tool
2. Material
3. Metal Forming
4. Welding

Research Interest

1. New Design in cutting tool
2. Welding Application
3. Metal Fabrication

Research Project / Grant

Professional Qualification / Membership / Affiliation / Experience

1. Officer Army in Rej. Askar Wataniah Bn1 Rej 505 Kem Sri Kuantan Taman Gelora Kuantan Pahang
2. Graduate Member IEM (G 43928)
3. Graduate Member Board of Engineer Malaysia (54490R)
4. Accredited Level: LLT4 – Construction Trainer/Lecturer, Construction Industry Development Board, Malaysia Green Card, (CIDB No. C81230320090072), since 2009

Teaching Experience

1. Degree - BMM 1811 - Mechanical Laboratory 1
2. Degree - BMM 1821 - Mechanical Laboratory 2
3. Degree – BMM 2521 – Engineering Mechanics Lab 2
4. Degree – BMM 3553 - Vibrations Lab
5. Degree – BMM 3611 - Manufacturing Processes Lab
6. Diploma - DMM 1912 – Mechanical Technology Lab 1
7. Diploma – DMM 2412 – Metrology
8. Diploma – DMM 2633 – Manufacturing Technology
9. Diploma – DMM 2932 – Mechanical Technology Lab 3
10. Diploma - DMM 3914 – Diploma Final Year Project

Diploma Final Year Supervision

1. Khairul Syahmi Bin Ahmad (MB 06035) "Development o Round Die for Press Brake machine" Session: 2011/2012(I) as a co-supervisor
2. Muhammad Afiq Bin Ahmad Mustaza (MB 06035) "Design And Fabricate Turret Punch Tool Storage Cabinet" Session: 2008/2009(I)
3. Wan Muhammad Azwan Fazley B Wan Ismail (MB 06043) "Design And Fabricate a New Concept Recycle Bin for General Purpose" Session: 2008/2009(I)
4. Abd Rahman Fahmi Bin Mat Hasan (MB 06078) Design And Fabricate Storage Cabinet for Bending Tools" Session: 2008/2009(I)
5. Nabilah Binti Harmain (MB 06015) "Portable & Adjustable Dining Chair for Child" Session: 2008/2009(I)
6. Prabagar A/L Murunevasan (MB 06001) "Design and Fabricate Punch Chuck and Precision Hole Punch Diameter 3.0, 3.5 & 4.0 Turret Punch Machine" Session: 2008/2009(I)

List of Publications

1. "Optimization of Electro Discharge Machining Parameters for Drilling Titanium in Small Holes using Taguchi Method"; Advanced Materials Research; Vol. 903 (2014) pp 129-134; **Hazami Che Hussain** and Ahmad Razlan Yusoff

2. "Analytical Chatter Stability Prediction for Irregular Types of Milling Tools"; Materials Science Forum; Vols. 773-774 (2014) pp 420-426; Ahmad Razlan Yusoff, Muhammad Hatifi Mansor, **Hazami Che Hussain** and Muhammad Azwan Zainol Abidin
3. "Open Source Software Applications in Manufacturing Sector"; M.A Mansor, L.H Shah and **H.Che Hussain**
4. "Maintenance Performance of Malaysia's Automotive Sector: A Case Study"; ICOCSIM; M.A Mansor, L.H.Shah and **H. Che Hussain**
5. "DETERMINING OPTIMUM EDM PARAMETERS IN DRILLING SMALL HOLES BY TAGUCHI METHOD"; International Journal of Manufacturing Technology and Management Issue: Volume 17, Number 4 / 2009 Pages: 345 - 352
6. "INVESTIGATION ON THE DIFFERENT TYPES METHOD OF JOINING FOR AUTOMOTIVE PANEL" N.M.Zuki.N.M., M.M.Noor, K.Kadargama and **H.C.Hussain**
7. "FINITE ELEMENT MODELING TO DETERMINE MECHANICAL PROPERTIES OF HUMAN BONE SYNTHETIC"; International Conference on Science & Technology: Applications in Industry & Education (2008); Zamzuri Hamedon, Parthiban Sothi, Ahmad Sulaiman, **Hazami Hussin**, Thet Thet Mon
8. "Investigation on different types method of joining for automotive panel"; International journal in Sadhana, Springer, ISSN: 0256-2499, (Scopus and ISI Indexing) (Under Review); N.M.Zuki.N.M., M.M.Noor, K.Kadargama, **H.C.Hussain**, S. M. Sapuan

List of Consultancy

1. Tenaga Pengajar Program "IcoE Junior Engineer Programme (IcoE JEP)" Anjuran Pusat Kejuruteraan Automotif (AEC), 2013
2. MERCEDES-BENZ MALAYSIA SDN BHD - Ahli Perunding bagi Projek : "Clinching Joint Test & Analysis" 2012
3. Bredero Shaw (Malaysia) Sdn Bhd - Ahli Perunding bagi Projek;
 - a) "Chemicals Composition Test for Steel Plate" 2012
 - b) "Chemical Composition Test Of Polymer Coatings Of Steel Pipes" 2012
4. Petlin (M) Sdn Bhd - Ahli Perunding bagi Projek;
 - a) "Air Screw Compressor failure Analysis" 2012
 - b) "Breaker Ring Testing" 2012
5. Optimal (M) Sdn Bhd - Ahli Perunding bagi Projek; "Pump Shaft Crack Failure Analysis" 2012
6. Open University Malaysia (OUM) – Demonstrator Makmal latihan Amali Pelajar OUM Makmal Bendalir – September 2009
7. Kolej Kemahiran Tinggi Mara (KKTM) – Perunding (Pengajar) Pelajar Diploma KKTM bagi Latihan Amali Makmal Statik & Dinamik dan Makmal Bahan.
8. Pengkalan Offshore Sdn Bhd – Ahli Perunding bagi Projek;
 - a) "The Effect of Different Quenching Rate on The Steel Microstructure and Strength"
 - b) "Failure Investigation of Pipeline ID 327 Provision of Surface Engineering Specialized Services; Testing and Laboratory Services for Petronas Carigali Sdn Bhd (PCSB)" 2008
 - c) "Failure Investigation On Crack Fuel Gas Manifold On ANGI TG-7500 Allison KB7S Gas Turbine" 2011
 - d) "Failure Investigation On Impeller Damage On Dulang CD 563 Gas Compressor" 2011
 - e) "Failure Investigation Parted GD Hi-T Pig Signaler" 2011
9. Open University Malaysia (OUM) – Demonstrator Makmal latihan Amali Pelajar OUM Kejuruteraan Kursus "Thermodynamics" Semester Januari 2006 dan September 2006

List of Research / Project

1. "Development Of A Data Mart Framework For Maintenance Activities" RDU 120371 as a researcher
2. "Development of Real Time Monitoring Welding Defect Detection System" RDU 1103103 as a researcher
3. "Development of High Productivity Milling Tool for Chatter Suppression" RDU 110305 as a researcher
4. "Finite Element Modeling to Determine Mechanical Properties of Human Bone Synthetic" RDU 080325 as a researcher
5. "Development Of Tribological / Wear Resistance Of Stainless Steel By Plasma Nitriding" RDU 070344 as a researcher
6. "Statistical and artificial intelligent study to determine the effect of milling parameters on cutting force, stress and surface roughness when milling Aluminium and Nickel Super alloy" as

Awards / Research / Achievements

a researcher

1. Pasukan Terbaik (Hoki) Hari Kualiti UMP 2014 ; Pengurus Pasukan
2. Anugerah Cendikia Bitara 2012
3. Anugerah Pekerja Cemerlang 2008
4. Pingat Perak di British Invention Award (BIS) 2012 : RDU 110305
5. Pingat Emas di ITEX 2012: RDU 110305
6. Pingat Perak di CITREX 2012 : RDU 110305
7. Pingat Gangsa SUKUM 2013 (Hoki)
8. Pingat Gangsa SUKUM 2012 (Hoki)

Patents

List of Course / Conference Attended

Tahun 2013

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	CATIA V5 TRAINING	08/07/2013 - 12/07/2013	COMPUTER LAB, FKP, UMP
2	Seminar On Damage And Fracture Mechanics	03/06/2013 - 05/06/2013	FKM, UMP
3	Bengkel Minyak & Gas: "Meeting With Industries"	20/06/2013	SWISS GARDEN, KUANTAN
4	Bengkel Pemantapan Pengajaran, Pembelajaran Dan Pentadbiran Berasaskan Focus Group	31/01/2013 - 02/02/2013	THE LEGEND RESORT, CHERATING

5	Bengkel Halatuju Jurutera Pengajar	02/05/2013	UMP, GAMBANG
6	Mechanical Shearing Machine Training	20/03/2013 - 22/03/2013	MAKMAL FKM, UMP
7	Wilson Hardness Tukon 1202 Vickers Micro-Hardness Tester Training	06/03/2013	MAKMAL FKM, UMP

Tahun: 2012

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	ISO 9001:2008 Internal Auditing	29 - 30 Ogos 2012	FKM
2	Application Training in Henkwell Press Brake Machine	30 - 31 Oktober 2012	FKM
3	TIG Welding Training	03 - 04 Disember 2012	FKM
4	MIG Welding Training	05 - 06 Disember 2012	FKM

Tahun : 2011

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	Bomb Calorimeter Training	11 Januari 2011	FKM
2	Cutting Force Dynomometer Training	12 Januari 2011	FKM
3	Roundness Machine (Mahr) Training	24 - 27 Januari 2011	FKM
4	Autodesk Inventor 2010 Associate Certification Workshop And Examination	04 - 07 April 2011	PRESTARIANG SYSTEMS SDN BHD
5	Cutting Force Dynomometer Training	14 April 2011	FKM
6	Boot Camp Hi-PET	19 - 22 Mei 2011	HR UMP
7	Blue Hill (New Software for UTM Machine - Instron)	2 Jun 2011	FKM
8	NX/UniGraphic Software Training	4 - 7 Julai 2011	Akademi Caddcam/ Politeknik Dungun
9	Video Editing Training	11 - 15 Julai 2011	FKM
10	LS Dyna Training	18 - 20 Julai 2011	FKM
11	Kursus Mentoring & Coaching Siri III (Hi-PET)	26 - 27 Julai 2011	HR UMP
12	Kursus E-Pembelajaran (Untuk Bukan Akademik)	8 Disember 2011	HR UMP

Tahun : 2010

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	KURSUS PENGURUSAN PROJEK	12 - 13 Mei 2010	HR UMP
2	KURSUS 3D PRODUCT DESIGN 2010	31 Mei - 4 Jun 2010	AKADEMI CADD/CAM
3	KURSUS TRAIN FOR TRAINERS	23 - 24 November 2010	HR UMP

Tahun : 2009

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	MOBLIE ROUGHNESS MEASURING DEVICE TRAINING	5 Februari 2009	FKM, UMP
2	DIGITAL MICROVICKERS HARDNESS TESTING MACHINE TRAINING	6 Februari 2009	FKM, UMP
3	GRINDING & POLISHING MACHINE TRAINING	6 Februari 2009	FKM, UMP
4	BENKEL PENAMBAHBAIKAN STRUKTUR ORGANISASI DAN UNIT TANGGUNGJAWAB TEKNIKAL, MAKMAL FAKULTI KEJURUTERAAN MEKANIKAL	6 - 8 Februari 2009	FKM, UMP
5	KURSUS PENGURUSAN DOKUMEN RASMI	24 - 26 Februari 2009	HR UMP
6	VIBRATION APPARATUS TRAINING	3 Mac 2009	FKM UMP
7	NC PROGRAMMING IN MASTERCAM X2 TRAINING	10 - 14 Mac 2009	FKM, UMP
8	KURSUS KAD HIJAU	30 Mac 2009	HR UMP
9	BENKEL KERJA PENSIJILAN MS ISO/IEC 17025/2005	21 - 23 Mei 2009	FKM UMP
10	SINGAPORE 6TH ASEAN FORUM FOR MATERIAL TESTING	24 - 25 Jun 2009	ZWICK ROELL, SINGAPURA

11	FOUNDRY MASTER TRAINING (BENCH TOP SPECTROMETER)	27 Ogos 2009	FKM,UMP
12	OPTICAL COMPARATOR TRAINING	12 - 14 Oktober 2009	FKM,UMP
13	UNIVERSAL TESTING MACHINE (UTM) SHIDMAZU TRAINING	15 - 16 Oktober 2009	FKM,UMP
14	INTENSIVE PIC TRAINING	18 - 19 Oktober 2009	FKM, UMP
15	BENGGEL PEMURNIAN DOKUMEN SISTEM PENGURUSAN KUALITI, FAKULTI KEJURUTERAAN MEKANIKAL	6 - 8 November 2009	FKM, UMP
16	10TH SHORT COURSE ON ADVANCED METALLOGRAPHY & MICROSTRUCTURAL ANALYSIS 2009	10 - 11 November 2009	UTM, SKUDAI JOHOR
17	AUTOCAD 2010 TRAINING	16 - 20 November 2009	AKADEMI CADD/CAM,
18	CNC TECHNOLOGY (CAM APPLICATION) TRAINING	30 November - 4 Disember 2009	KULIM HI TECH PARK, KULIM
19	BENGGEL PENULISAN BERITA & RENCANA	9 - 10 Disember 2009	HR, UMP

Tahun: 2008

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	TRAINING CONVENTIONAL MILLING MACHINE	03 - 09 Januari 2008	FKM,UMP
2	BENGGEL PERANCANGAN LATIHAN	08 - 09 Januari 2008	ASDC,UMP
3	BENGGEL AKADEMIK	12 - 13 Januari 2008	FKM,UMP
4	TRAINING MPA + MPI	14 - 18 Januari 2008	FKM,UMP
5	TRAINING IMPACT TESTER	25 Januari 2008	FKM,UMP
6	TRAINING VDAS SYSTEM	12 - 13 Februari 2008	FKM,UMP
7	TRAINING IMAGE ANALYZER & WORKING MICROSCOPE	21 - 22 Februari /2008	FKM,UMP
8	KURSUS ASAS PEDAGOGI GRED J41	23 Februari 2008	ASDC,UMP
9	BENGGEL OBE	29 Februari - 02 Mac 2008	FKM,UMP
10	TRAINING CONVENTIONAL LATHE MACHINE	03 - 07 Mac 2008	FKM,UMP
11	TRAINING MASTER CAM X	10 - 14 Mac 2008	FKM,UMP
12	TRAINING ALGOR BASIC SOFTWARE	21 - 23 April 2008	FKM,UMP
13	BENGGEL OSHA	15 Mei 2008	HR,UMP
14	KURSUS PENGURUSAN MAKMAL	28 - 29 Mei 2008	HR,UMP
15	COSMOS TRAINING	24 - 28 November 2008	FKM,UMP
16	PEPERIKSAAN PTK 1	22 - 23 Disember 2008	HR,UMP

Tahun : 2007

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	SURFACE GRINDING	26 - 28 Januari 2007	FKM UMP
2	BTN	8 - 12 Mac 2007	BIRO TATANEGARA KEM BUKIT SAGU
3	SEM/EDX ADVANCE	13 - 15 Mac 2007	FKM UMP
4	SOLIDWORK	21 - 25 Mei	FKM UMP
5	PEPERIKSAAN PERKHIDMATAN	9,10,23 & 24 Julai 2007	HR UMP
6	HARDNESS TESTING MACHINE	16 Julai 2007	FKM UMP
7	HOT MOUNTING PRESS MACHINE	16 Ogos 2007	FKM UMP
8	INDUKSI UMUM	18 - 30 Ogos 2007	HR UMP
9	INDUKSI KHUSUS	18 - 19 September 2007	HR UMP
10	ROCKWELL HARDNESS TESTING MACHINE	20 September 2007	FKM UMP
11	MRP TRAINING	10 - 14 Disember 2007	FKM UMP

Tahun : 2006

BIL	NAMA KURSUS	TARIKH	PENGANJUR
1	KURSUS MS ISO/IES 17025	1 - 2 Mac 2006	KUKTEM
2	KURSUS SIMULATOR CNC HASS	6 - 10 Mac 2006	FKM KUKTEM
3	KURSUS SISTEM PENGURUSAN & KESELAMATAN MAKMAL (OHSAS 18001:1999)	23 - 24 Mac 2006	KUKTEM
4	KURSUS SISTEM PENGURUSAN & KESELAMATAN MAKMAL (OHSAS 18001:1999)	27 - 29 Mac 2006	KUKTEM

5	KURSUS 4-AXIS CNC TURNMILL PROGRAMMING (INTERMEDIATE LEVEL)	17 - 21 April 2006	TATI
6	KURSUS LAMAN WEB	12 - 14 April 2006	KUKTEM
7	KURSUS CNC MILLING - ROBODRIL	5 - 7 April 2006	KUKTEM
8	KURSUS UNIVERSAL TESTING MACHINE	14 - 15 Jun 2006	KUKTEM
9	KURSUS SEM-SCANNING ELECTRON MACHINE	8 - 11 Ogos 2006	KUKTEM
10	KURSUS ERP-EMERGENCY RESCUE PROSEDURE	23 - 24 Ogos 2006	KUKTEM
11	CNC PROGRAMMING - SODICK WIRECUT OPERATION & MAINTENANCE	20 - 23 November 2006	KULIM HIGH TECH