



CURRICULUM VITAE

A. MAKLUMAT PERIBADI

Personal Details

1. **Name : NOR FAZLI ADULL MANAN**
(Name)
2. **Tarikh Lahir: 10th August 1981**
(D.O.B)
3. **Telefon :+6019-6580692 (HP), +603 5543 5161 (Pej.), +03 5543 5160 (Fax)**
(Phone Number)
4. **Fakulti: Mechanical Engineering**
(Faculty)
5. **Jabatan : ENGINEERING MECHANICS**
(Department)
6. **Alamat : T1-A18-12A, Komplek Kejuruteraan, Fakulti Kejuruteraan**
(Address) Mekanikal, UiTM Shah Alam, 40450 Shah Alam, Selangor
7. **Jawatan Sekarang: Senior Lecturer**
(Current Position)

B. KELAYAKAN AKADEMIK
(*Academic Qualification*)

Bil	Kelayakan (<i>Qualification</i>)	Tahun (<i>Year</i>)	Institusi (<i>Institution</i>)
1.	Diploma In Mechanical Engineering	2002	Universiti Teknologi MARA
2.	B.Eng (Hons) Mechanical Engineering	2005	University of Manchester United Kingdom
3.	M.Eng. (Mechanical Engineering)	2007	Universiti Kebangsaan Malaysia, Bangi
4.	Ph.D (Mechanical Engineering)	2016	Universiti Teknologi MARA

C. KEAHLIAN PROFESIONAL
(*Professional Memberships*)

Bil	Keahlian (<i>Membership</i>)	Tahun (<i>Year</i>)	Institusi (<i>Institution</i>)
1.	Member	2008	Board of Engineers Malaysia (BEM)
2.	Graduate Member	2010	Institute of Engineer Malaysia

D. JAWATAN TERDAHULU (jika ada)
(*Positions Previously Held*)

Bil	Nama Jawatan (<i>Position</i>)	Tahun (<i>Year</i>)	Organisasi/Majikan (<i>Organization/Employer</i>)
1.	Lecturer	2007	Universiti Teknologi MARA, Shah Alam
2.	Young Lecturer	2007	Universiti Teknologi MARA, Shah Alam
3.	PTFT Lecturer	2006	Universiti Teknologi MARA, P.Pinang
4.	Design Engineer	2005	UBC Commercial Vehical (M) Sdn. Bhd. Kulim

PENGAJARAN
(TEACHING)

A. Tugas Pengajaran Formal (diploma, degree, post degree)
(Formal Teaching Contact)

Pengajaran formal tidak termasuk melalui penyampaian secara fleksibel/ jarakjauh/intensif/cara klinikal (dalam tempoh lima (5) tahun terakhir).
(Formal Teaching Contact excluding contact in flexible delivery/distance/ intensive/clinical mode)

(Isikan jam kerja sebenar yang diperuntukkan)

Year/ semester	Course code & Name	Credit Points/ Units	Total formal classroom contact hours per semester	Size, Hours of contact per week
2007/ JUL '07 - NOV. '07	STATICS	3	56 hrs/semester	Size : 31 students Lecture : 3 hrs/week Tutorial : 1 hr/week
2007/ JUL '07 -NOV. '07	DYNAMICS & VIBRATIONS	3	112 hrs/semester	Size : 73 students Lecture : 3 hrs/week Tutorial : 1 hr/week
2007/ JUL '07 - NOV. '07	DYNAMICS LAB	2	56 hrs/semester	Size :57 students Lab: 2 hrs/week
2008/ DEC'07 - APR '08	DYNAMICS & VIBRATIONS	3	112 hrs/semester	Size : 68 students Lecture : 3 hrs/week Tutorial : 1 hr/week
2008/ DEC'07 - APR '08	MECHANICAL ENGINEERING DESIGN 1	3	70 hrs/semester	Size : 23 students Lecture : 3 hrs/week Lab: 2 hrs/week
2008/ JUL '08 - NOV. '08	DYNAMICS & VIBRATIONS	3	56 hrs/semester	Size : 68 students Lecture : 3 hrs/week Tutorial : 1 hr/week
2008/ JUL '08 - NOV. '08	MECHANICAL ENGINEERING DESIGN 1	3	70 hrs/semester	Size : 23 students Lecture : 3 hrs/week Lab: 2 hrs/week
2009/ DEC'08 - APR '09	MECHANICAL ENGINEERING DESIGN 1	3/4	210 hrs/semester	Size : 105 students Lecture : 3 hrs/week Lab: 2 hrs/week
2009/ JUL '09 - NOV. '09	MECHANICAL ENGINEERING DESIGN 1	4	210 hrs/semester	Size : 111 students Lecture : 3 hrs/week Lab: 2 hrs/week
2010/ DEC'09 - APR '10	MECHANICAL ENGINEERING DESIGN 1	4	140 hrs/semester	Size : 57 students Lecture : 3 hrs/week Lab: 2 hrs/week

Year/ semester	Course code & Name	Credit Points/ Units	Total formal classroom contact hours per semester	Size, Hours of contact per week
2010/ DEC'09 - APR '10	DESIGN FOR MANUFACTURE	3	56 hrs/semester	Size : 1 student Lecture : 3hr/week Tutorial : 1 hrs/week
2010/ JUL'10 - NOV '10	MECHANICAL ENGINEERING DESIGN 1	4	140 hrs/semester	Size : 66students Lecture : 3 hrs/week Lab: 2 hrs/week
2010/ JUL'10 - NOV '10	MECHANICAL ENGINEERING DESIGN 2	4	84 hrs/semester	Size : 30students Tutorial : 1 hr/week Lab: 5 hrs/week
2015/ DEC'15 - FEB '16	MECHANICAL ENGINEERING DESIGN 1	4	140 hrs/semester	Size : 86students Lecture : 3 hrs/week Lab: 2 hrs/week
2016/ MAR'16 - JUL '16	MECHANICAL ENGINEERING DESIGN 2	3	84 hrs/semester	Size : 54 students Tutorial : 1 hr/week Lab: 5 hrs/week
2016/ MAR'16 - JUL '16	STRENGTH LAB	2	56 hrs/semester	Size :30 students Lab: 2 hrs/week

B. Penyeliaan
(Supervision)

Kerja Kursus dan Penyeliaan Penyelidikan (tempoh lima (5) tahun terakhir).
(*Coursework and research supervision*)

1. Peringkat Ijazah Sarjana Muda/Diploma
(Undergraduate/Diploma)

Sarjana Muda/ Diploma (Undergraduate/D iploma)	Tajuk Projek/ Amali/ Tugasan Ilmiah (Title and Student's name)	Tarikh Penyerahan/ Siap Projek/ Amali/ Tugasan Ilmiah (Date of Project submitted/ completed)	Peratus Sumbangan Penyelia/Pembantu Penyelia (Supervisor or Associate supervisor percentage contribution)
RAHIM ABD RAHMAN	FAILURE ANALYSIS ON HEAT TREATED STEEL	MAY 2008	100%
NOR HAIDI HACHIL	FRACTURE TOUGHNESS ANALYSIS IN ALUMINIUM ALLOY 5052, WELDED BY SEMI- AUTO TIG WELDING TECHNIQUE	NOV 2008	100%

Sarjana Muda/ Diploma <i>(Undergraduate/D iploma)</i>	Tajuk Projek/ Amali/ Tugasan Ilmiah <i>(Title and Student's name)</i>	Tarikh Penyerahan/ Siap Projek/ Amali/ Tugasan Ilmiah <i>(Date of Project submitted/ completed)</i>	Peratus Sumbangan Penyelia/Pembantu Penyelia <i>(Supervisor or Associate supervisor percentage contribution)</i>
AMIR FIRDAUS MOHAMAD	ANALYSIS OF ALUMINIUM WITH STEEL CORE	NOV 2008	100%
MOHD SAFUDDIN SA'BAN	DESIGN OF BARNACLE REMOVER FOR JPS WATER GATE	MAY 2008	100%
RAIMI HAZWAN AZMAN	DESIGN AND IMPROVEMNET OF DATABASE FOR INVENTORY AND PERVENTIVE MAINTENANCE SYSTEM	NOV 2009	100%
MOHD FIRDAUS GANI	PRELIMINARY DESIGN CONCEPT AND MODELING OF LIGHT SPORT AIRCRAFT	NOV 2009	100%
MUHAMMAD BASHIR MANSOR	TEMPERATURE AND HUMIDITY CONTROLLER	MAY 2010	100%
ADLI AZEMAN	INVESTIGATION OF SATELLITE STRUCTURE UNDER QUASI-STATIC ACCELERATION LOADNG	MAY 2010	100%
MUHAMMAD ZARIF KAMARUDIN	DEVELOPMENT OF COST EFFICIENT VISION SYSTEM	MAY 2010	100%
MUHAMMAD AIMAN YUSOF	DESIGN AND FABRICATION OF BARNACLES REMOVER MACHINE	MAY 2010	100%
MUHAMMAD SUKRI ABDUL RAHIM	DESIGN AND ANALYSIS OF AIR- CONDITIONING HELMET	MAY 2010	100%
WAN JUNAIDI WAN ARIFFIN	PRELIMINARY DESIGN OF SOLAR POWER OVEN	NOV 2010	100%

Sarjana Muda/ Diploma <i>(Undergraduate/D iploma)</i>	Tajuk Projek/ Amali/ Tugasan Ilmiah <i>(Title and Student's name)</i>	Tarikh Penyerahan/ Siap Projek/ Amali/ Tugasan Ilmiah <i>(Date of Project submitted/ completed)</i>	Peratus Sumbangan Penyelia/Pembantu Penyelia <i>(Supervisor or Associate supervisor percentage contribution)</i>
MOHD FAIRUS KAYAT	IMPROVEMENT DESIGN FOR MECHANICAL CONCRETE SCREED	NOV 2010	100%
MUHAMMAD NAZRIN KHAIRI	ANALYSIS OF BOVINE SKIN PROPERTIES USING BIOMECHANICAL APPROACH	JUL 2013	100%
Nur Ain binti Md Noh	COMPUTATIONAL ANALYSIS OF SHEEP SKIN ON BIOMECHANICAL PROPERTIES	JUL 2013	100%
NURUL NAJWA BINTI MOHD YUSOF	STUDY OF BIOMECHANICAL PROPERTIES OF RABBIT SKIN	JUL 2013	100%
MOHD ASRUL BIN HALIM	INVESTIGATION AND COMPARISON OF SKIN BIO- MECHANICAL PROPERTIES BETWEEN HUMAN AND ANIMAL	JUL 2013	100%
NOOR AZZIRA BT SULAIMAN	EXPERIMENTAL ANALYSIS OF SHEEP SKIN	JUL 2013	100%
MUHAMMAD MUHSIN MOHD MASHOR	DESIGNING AN ALTERNATIVE RABBIT CAGE FOR COMMERCIALIZATION	JUL 2013	100%

PENYELIDIKAN DAN PENERBITAN
(RESEARCH AND PUBLICATION)

A. Penyelidikan
(Research)

- i. EFFECT OF IRON CONTENT ON THE CORROSION BEHAVIOUR OF NANOCRYSTALLINE COBALT-IRON ALLOY COATING**
Grant ref. no: 600-RMI/DANA 5/3/LESTARI (67/2015)
Grant Value – RM20,000.00
Duration: 1 Dec 2015 -30 Nov 2017
In Progress
Leader
- ii. STUDY ON STRESS REDUCTION DUE TO POST IMPACT TENSILE STRENGTH OF KENAF HYBRID COMPOSITE**
Grant ref. no: 600-RMI/DANA 5/3/LESTARI (111/2015)
Grant Value – RM20,000.00
Duration: 1 Dec 2015 -30 Nov 2017
In Progress
Team Member
- iii. SUCTION-STRETCH THEORY IN SYNTESISING COMPOSITE MEMBRANE HYPERELASTICITY**
Grant ref. no: 600-RMI/ERGS 5/3/ (16/2012)
Grant Value – RM80, 000.00
Duration: 1 July 2012 -30 June 2015
Completed
Team member
- iv. NEW PROPERTIES OF KENAF FIBER COMPOSITE USING IMPACT APPROACH**
Grant ref. no: 600-RMI/ST/FRGS 5/3/Fst (167/2010)
Grant Value – RM40, 940.00
Duration: 1 Sept 2010 -31 August 2013
Completed
Leader
- v. NEW APPROACH USING PD-ACTIVE FORCE CONTROL (PDAFC) OF TWIN ROTOR MULTI-INPUT MULTI-OUTPUT SYSTEM (TRMS)**
Grant ref. no: 600-RMI/ST/FRGS5/3/Fst(123/2010)
Grant Value – RM40, 000.00
Duration: 1 Mac 2010 – 29 February 2012
Completed
Team member

- vi. **A COMPARISON STUDY BETWEEN THEORETICAL, FINITE ELEMENT AND TESTING OF AUXETIC COMPOSITE PLATE USING UNIDIRECTIONAL CARBON FIBER UFC358/ POLYESTER RESIN**
 Grant ref. no: 600-IRDC/ST/.5/3/1359
 Grant Value – without grant
 Duration: September 2007 - August 2008
 Completed
 Team member

B. Penerbitan
 (Publication)

ARTICLE AND JOURNAL

- (2015-09-01) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), Aidah Binti Jumahat \(dr\), "Biomechanical Behaviour Of Bovine Skin: An Experiment-theory Integration And Finite Element Simulation", Jurnal Teknologi, Penerbit UTM Press, pageno : 103-111, vol : 76,issues : 10](#)
- (2015-08-01) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), Siti Noor Azizati Mohd Noor, Nurul Nadiah Azmi, "Numerical Investigation Of Ogden And Mooney-rivlin Material Parameters", Arpn Journal Of Engineering And Applied Sciences, Asian Research Publishing Network \(ARPN\), pageno : 6329-6335, vol : 10,issues : 15](#)
- (2015-06-01) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), "The Effect Of Skin Orientation On Biomechanical Properties", Journal Of Mechanical Engineering, Faculty of Mechanical Engineering and UiTM Press, Universiti Teknologi MARA, pageno : 67-81, vol : 12,issues : 1](#)
- (2014-12-12) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), Muhammad Hussain Bin Ismail \(dr.\), "Biomechanical Testing Of Bovine Skin Using Various Sample Specifications", Materials Research Innovations, Maney Publishing, UK, pageno : S6-389-394, vol : 18,issues : 6](#)
- (2013-09-03) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), Muhammad Hussain Bin Ismail \(dr.\), Nur Hanis Arzami, "An Innovative Improvement On Standard Testing Procedure For Biomaterials Under Uniaxial Tension", Applied Mechanics And Materials, Trans Tech Publications, Switzerland, pageno : 130-135, vol : 393,issues : 1](#)
- (2013-03-19) [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), Muhammad Hussain Bin Ismail \(dr.\), "Quantifying The Biomechanical Properties Of Bovine Skin Under Uniaxial Tension", Journal Of Medical And Bioengineering, Engineering and Technology Publishing, pageno : 45-48, vol : 2,issues : 1](#)
- (2012-09-11) [Jamaluddin Bin Mahmud \(dr\), Nor Fazli Bin Adull Manan, Cathy A Holt \(cardiff University\), Sam L Evans \(cardiff University\), Mahmoud Chizari \(brunel University\), "A Parametric Study And Simulations In Quantifying Human Skin Hyperelastic Parameters", Procedia Engineering, Elsevier, pageno : 1580 ? 1586, vol : 41,issues : 1](#)
- (2008-01-01) [Nor Fazli Bin Adull Manan, Dzuraidah Abdul Wahab, "Designing For Comfort And Reliability In An Intelligent Car Seat", American Journal Of Applied Sciences, Science Publications, pageno : 1787-1792, vol : 5,issues : 12](#)

PROCEEDING PAPER

- (2015-07-26). [Nor Fazli Bin Adull Manan, Jamaluddin Bin Mahmud \(dr\), "Experimental Comparison of Hyperelastic Model on Skin", Atlantis Press,Phuket](#)
- (2013-04-07). [Nor Fazli Bin Adull Manan, Muhammad Hussain Bin Ismail \(dr.\), Jamaluddin Bin Mahmud \(dr\),Linasuriani Mahmud \(student\) "Characterisation of Soft Tissues Biomechanical Properties using 3D Numerical Approach", IEEE PELS/IE/IA Malaysia Section,Langkawi, Malaysia](#)
- (2012-06-24). [Nor Fazli Bin Adull Manan, Mohd Hanif Bin Mohd Ramli, Mohd Nor Azmi Bin Ab Patar, Jamaluddin Bin Mahmud \(dr\),Cathy A Holt \(cardiff University, Uk\); Sam L Evans \(cardiff University, Uk\), Mahmoud Chizari \(brunel University, Uk\) "Determining Hyperelastic Parameters of Human Skin Using 2D Finite Element Modelling and Simulation", Universiti Teknologi MARA and IEEE,Kuala Lumpur, Renaissance Hotel](#)
- (2012-06-24). [Mohd Suhairil Bin Meon, Mohd Hanif Bin Mohd Ramli, Nor Fazli Bin Adull Manan,Tengku Luqman Tengku Mohamed "Review and Current Study on New Approach Using PID Active Force Control \(PIDAFC\) of Twin Rotor Multi Input Multi Output System \(TRMS\)", IEEE Malaysia Power Electronics, Industrial Electronics & Industrial Applications Joint Chapter,Kuala Lumpur](#)
- (2011-06-22). [Nor Fazli Bin Adull Manan, Zulkifli Bin Mohamed, Mohd Afzan Bin Mohd Anuar,Mohd Fairus Kayat "Improvement Design for Mechanical Concrete Screed", UiTM,Pulau Pinang, Malaysia](#)
- (2010-11-16). [Nor Fazli Bin Adull Manan, Mohd Afzan Bin Mohd Anuar, Zulkifli Bin Mohamed, "Development of Auto Tuning PID Controller using Graphical User Interface \(GUI\)", IEEE,Chengdu China](#)
- (2010-08-02). [Ya'kub B Md Taib, Zuraidah Bt Salleh \(dr.\), Mohd Suhairil Bin Meon, Nor Fazli Bin Adull Manan, "POST IMPACT TENSILE STRENGTH OF KENAF PP-KEVLAR AND NOTCH STRENGTH OF HYBRID COMPOSITE", UPM,KUCHING SARAWAK](#)
- (2010-08-02). [Nor Fazli Bin Adull Manan, Ya'kub B Md Taib, Zuraidah Bt Salleh \(dr.\), Mohd Suhairil Bin Meon, "FRACTURE TOUGHNESS OF KENAF POWDER EPOXY COMPOSITE", UPM,KUCHING SARAWAK](#)
- (2010-08-02). [Zuraidah Bt Salleh \(dr.\), Ya'kub B Md Taib, Mohd Suhairil Bin Meon, Nor Fazli Bin Adull Manan, "POST IMPACT TENSILE ON KENAF POWDER POLYESTER/ FIBERGLASS LAMINATE", UPM,KUCHING SARAWAK](#)
- (2010-08-02). [Mohd Suhairil Bin Meon, Zuraidah Bt Salleh \(dr.\), Ya'kub B Md Taib, Nor Fazli Bin Adull Manan, "POST IMPACT TENSILE OF KENAF POWDER COMPOSITE METAL LAMINATE", UPM,KUCHING SARAWAK](#)
- (2010-02-26). [Nor Fazli Bin Adull Manan, Mohd Asri Bin Mohd Nor, Muhamad Azhan Bin Anuar, Zulkifli Bin Mohamed, "Internal Model Control PID for MIMO System", IACSIT, IEEE,Singapore](#)
- (2009-06-24). [Mohamed Dahalan Mohamed Ramli \(dato' Prof. Dr. Ir\), Zamri Bin Abdul Rahman, Nor Fazli Bin Adull Manan, Mohd Afzan Bin Mohd Anuar, Mohd Khalid Bin Hassan, "Mechanical Engineering Design-the FKM-UiTM Experience", FKM UiTM,Shah Alam Malaysia](#)
- (2009-06-24). [Nor Fazli Bin Adull Manan, Zuraidah Bt Salleh \(dr.\), Ya'kub B Md Taib,Nor Haidi Hachil "Fracture Toughness Analysis In Aluminum Alloy 5052, Welded By Semi-Automatic Tig Welding Technique With 45° Of Grooves Angle And V-Butt Of Joint", FKM UiTM ,Shah Alam, Malaysia](#)

KHIDMAT UNIVERSITI/ MASYARAKAT
(SERVICE TO THE UNIVERSITY/COMMUNITY)

A. Perkhidmatan Di peringkat Jabatan/Fakulti Dan Universiti
(Service within Department/Faculty and the University (most recent first))

Tarikh <i>(Date(s))</i>	Jawatan <i>(Position)</i>	Jabatan/Fakulti/Jawatankuasa/ Badan/Institusi <i>(Department/Faculty/Committee/ Bodies/Institution)</i>
2016	Resource Person: MEC532 (Mechanical Eng. Design 2)	Faculty of Mechanical Engineering
2016	Co-Chairman- Academic Mission Committee	Faculty of Mechanical Engineering
2016	Main Committee- FKM Staff welfare Committee	Faculty of Mechanical Engineering
2010	Chairman- Academic Mission Committee	Faculty of Mechanical Engineering
2010	Committee- Time Table Committee	Faculty of Mechanical Engineering
2008- recent	Manager- Design Lab	Faculty of Mechanical Engineering
2009- recent	Coordinator- MEC531	Faculty of Mechanical Engineering
2009- Sekarang	Coordinator- Student Peer Tutoring Prog FKM	Faculty of Mechanical Engineering
2009	Chairman- Student Affair committee	Faculty of Mechanical Engineering
2009	Committee-ISO	Faculty of Mechanical Engineering
2009	Coordinator- Finishing School Prog.FKM	Faculty of Mechanical Engineering
2008	Committee- Student Affair committee	Faculty of Mechanical Engineering
2007	Committee - Academic Mission Committee	Faculty of Mechanical Engineering
2007	Committee – Industrial Affair Committee	Faculty of Mechanical Engineering