

AHMAD TAJUDDIN BIN MOHAMAD

CURRICULUM VITAE

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WORK EXPERIENCE

April 2010-February 2012

Universiti Teknologi Malaysia (UTM)

Research Assistant (RA)

Project involvement:

Computationally Optimised Fuel-Efficient Concept Car (COFEC) TechnoFund project.

- Damage and Fracture Mechanic-Based Design Methodology.
 - Develop on damage mechanics-based model for spot-welded joint failure process under impact loading.

ADDITIONAL SKILLS

- Soft skills : Strong analytical, team working & leadership, interpersonal skills.
- Technical skills : Competency on disassembly and assembly a go-cart engine parts, handling on tensile, milling, lathe and drill machine during processing works.
- Languages : Malay, English and Japanese.
- Computer : Microsoft office, Borland C++, LATEX, HTML
- Engineering Software : MATLAB, JWW CAD, Abaqus/CAE, Hyperwork/Hypermesh, LS-Dyna, Deform-3D CAD/CAM, CATIA.

EDUCATION AND PERSONAL QUALIFICATION

- 2012** **Universiti Teknologi Malaysia** – on going
M. Eng (Mechanical)
- 2010** **Tokai University, Japan**
B. Eng (Hons) Mechanical, 2nd class upper
- 2004** **Sekolah Dato Abdul Razak**
SPM 8A

ACADEMIC COURSES

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|--------------------------------|------------------------------|-------------------------|
| • Electromagnetism | • Thermal Engineering | • Tribology |
| • Strength of Materials | • Computer Aided Engineering | • Engineering Materials |
| • Computer Programing | • Applied Energy Conversion | • Engineering Drawing |
| • Static & Dynamics of Machine | • Fluid Mechanics | • Numerical Analysis |
| • Information Processing | • Machine Design | • Strength of Materials |

EXTRA CURRICULAR ACTIVITIES

Year	Activities
2012	Computationally Optimised Fuel-Efficient Concept Car (COFEC) TechnoFund Project Completion Report Workshop.
2011	Regional Conference on Automotive Research (ReCAR).
2011	Fiqh in Science & Technology 2 nd Conference.
2011	Short Course to LATEX software.
2011	Integration Workshop Technofund Project.
2011	Journal Writing Workshop Transportation Research Alliance.
2011	The Applied Mechanics Research and Consultancy (AMRCG) Seminar.
2011	Seminar & Training on LS-DYNA software.
2010	Seminar & Training on HYPERMESH software.
2010	Seminar & Training on Computer Aided Three-dimensional Interactive Application (CATIA) CAD/CAM/CAE Software.
2010	Seminar & Training on Deform-3D software.
2010	Seminar & Training on Introduction to ABAQUS/CAE software.
2009	3 rd place on Bowling Tournament, Malaysian Student Association Japan.
2006	1 st place on JAD Robot Contest (ROBOCON)

REFERENCES

- 1) **Assoc. Prof. Ainullotfi Bin Abdul Latif**,
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- 2) **Professor Dr. Mohd Nasir Bin Tamin**,
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- 3) **Assoc. Prof. Hiroo OKANAGA**,
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