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## Academic Qualification

1. Dip. Mech. Eng, UTM, 1997
2. Cert. Mech. Eng. (Power Plant), POLIMAS, 1994

## Brief Profile

## Working Experiences / Appointment

1. July 2008 ~ to date Assistant Instructor Engineer, Universiti Malaysia Pahang (UMP).
2. Oct 2008 ~ Oct 2009 Technical Support for AGV Project, Universiti Malaysia Pahang (UMP).
2. Nov 1997 ~ Jun 2008 Intel Technology (M) Sdn Bhd. (Pulau Pinang).
3. Jan 1997 ~ Oct 1997 Research Assistant, Solar Car Project Universiti Teknologi Malaysia (UTM).

## Expert Area

## Research Interest

## Research Project / Grant

## Professional Qualification / Membership / Affiliation / Experience

## Teaching Experience

1. Thermodynamics Engineering Lab
2. Fluid Mechanics Engineering Lab
3. Manufacturing Process (Lathe & Foundry) Lab
4. Thermodynamics for Diploma
5. Static and Dynamics Lab
6. Electric & Electronics Lab
7. Mechanism Design Lab

## Post Graduate Supervision

## Degree / Final Year Supervision

## List of Publications

## List of Books

## List of Consultancy

1. Lab Demonstrator of statics and dynamics subject for KKTM Kuantan
2. Lab Demonstrator of thermo fluids subject for KKTM Kuantan
3. Lab Demonstrator of thermo fluids subject for OUM
4. Testing of green oil from Azed Bina Sdn Bhd by using Bomb Calorimeter

## List of Research / Project

1. AGV Project 2009
2. ICMER 2011-025 Design and Development of Portable Concentrated Solar Thermal (CST) Cooker
3. Perodua Eco-Challenge

## Awards / Research / Achievements

## Patents

## List of Course / Conference Attended

1. Matlab 7.0
2. Asas Loji Kuasa
3. Commercial Refrigerator
4. Cosmos/Solid work
5. Air Ventilation Equipment
6. Kursus Kenegaraan SSM PTK1
7. Kursus Induksi Modul Umum UMP
8. Kursus Induksi Modul Khusus UMP
9. MS ISO/IEC 17025:2005
10. Air Condition System (Air Cooled)
11. Power Plant Basic Operational Training
12. Dewesoft Basic Operational Training
13. Foundry Operational Training