# MOHD HAFEZ BIN ABDULLAH

## MECHATRONIC ENGINEERING GRADUATE

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Hands-on experience in mechatronic projects involving control system and mechanical aspects of the engineering field. Superior knowledge in computer system, design and analytical projects. A mature graduate achieving high leadership honors while maintaining part-time employment and a dedicated volunteer member.

## EXPERIENCE

**BUSINESS CONSULTANT**: SME- IIUM Internship Consultancy Program (Selangor), Feb 2014 – August 2014

- Initiated statistical analysis project that resulted in sound recommendations adopted by entire team.
- Designed space plans to account for ongoing company growth
- Assessed and re-design facility plans based on sale requirements and revised business model.

**HALL MANAGER** : Defense Service Asia (DSA 2014) (Kuala Lumpur), April 2014

- Handled program complained, maintaining a positive experience for all exhibitors and visitor.
- Acted as communications liaisons between exhibitors and VVIP delegations.
- Established and maintained cooperative relationships of exhibitors and visitors interest groups.

**TRAINEE ENGINEER**: Jurutera Perunding Valdun Sdn. Bhd (Selangor), Jun 2013 – Sept 2013

- Assisted senior engineer with the design of HVAC parts and system components.
- Performed heat load estimating and HVAC system sizing using Hourly Analysis Program (HAP).
- Calculated hot water demand and storage sizing, determined type of hot water system, such as electrical, solar or hybrid water heater system (VRF), which functions most efficiently and economically.

## EDUCATION

### BACHELOR OF ENGINEERING (HONS) MECHATRONIC

International Islamic University Malaysia (Selangor), January 2015

### FOUNDATION OF ENGINEERING

Centre for Foundation Studies IIUM (Selangor), 2010

### PURE SCIENCE

Sultan Abdul Hamid College

## PROJECTS

### SELF DIAGNOSTIC SYSTEM FOR AUTONOMOUS ROBOT

- Developed an efficient mechanical and electrical circuit design process.
- Completed Temperature/Direction/Velocity algorithm for self-diagnostic system using Arduino software.
- Determined most effective sensors and subsystems for error detection to be implemented on autonomous robot.

## SKILLS

**SOFTWARE:** Visual Basic, C++, Arduino, MATLAB, AutoCAD, Carrier Hourly Analysis Program (e-20), Microsoft Office, SCADA, CNC G-code.

**TECHNICAL:** Welding, Foundry, Mills, PLC

**LANGUAGE:** English, Bahasa Malaysia

## LEADERSHIP ACHIEVEMENT

### PRESIDENT

Sekretariat Rukun Negara IIUM, 2012 -2013
- Founded SRN club in International Islamic University Malaysia
- Collaborated with various university clubs for launching a big scale project 1-Malaysia "Jejak Anak Bangsa".
- Strengthen the club with numerous program and seminars.

### MEMBER OF YOUTH PARLIAMENT

Malaysian Youth Parliament, 2012
- A platform made by the government for the Malaysian youth representing each of their parliamentary constituent
- Channeled ideas, criticisms as well as discussion of youth policies made by the government for the benefit of various groups
- Simultaneously involved in the platform's policy construction. The initiative impacts the nation's youth development.

### UNIVERSITY AMBASSADOR

Official Launching of Rural Transformation Program, 2012
- Launched our university student's ambassador program in RTC Perak
- The program was about educating rural citizens about financial knowledge
- Joint-venture with "Perpustakaan Bergerak" to bring books and computers to encourage their children to read