



# Siti Fatirah Binti Ramli

Registered with BEM: G1195679A

017 303 1735 /Kelantan (Willing to relocate)

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Linkedin : Siti Fatirah Ramli

Single

Passionate with work that driven the result. Self-driven and able to perform given task with limited guidance. Had great interest in production focusing on machining operation as well as research based and application engineering but no rigidity to work in any branch of engineering field. Believing in strong enthusiasm led to victory. Previous background in sales and application engineering. Academic background in mechanical engineering (aerospace-degree) and manufacturing engineering (CNC machining - master).

## Educational Background

### International Islamic University Malaysia, IIUM

Gombak

Master of Science in Engineering  
2019 - 2022

Hands on work with CNC Machine (milling). Research on machinability of composite for application in aircraft industry. Perform optimization data using statistical analysis and mathematical modelling for machining parameters.

### International Islamic Malaysia University, IIUM

Bachelor of Engineering

(Aerospace) ( Honors) 2016

Final year project on modelling and control of UAV (Quadrotor) using Matlab

## Skills & Proficiencies

- ♦ Project Management Skills
- ♦ Problem Solving Skills
- ♦ Data Collection and
- ♦ Analyzing Skills
- ♦ Fluent in Malay and conversational in English

## Work Experience

### Graduate Research Assistant

Department of Manufacturing and Materials Engineering, IIUM  
*October 2019 to Present*

- ♦ Carry out experimental work using CNC Machine (milling CFRP) and research on machinability of composite for aircraft industry.
- ♦ Perform Design of Experiment (DOE) for machining parameters and optimization using statistical analysis (ANOVA)

### Inside Sales

Mettler Toledo (M) Sdn Bhd  
(Instrumentation engineering)

*September 2018 to September 2019*

- ♦ Prospecting of selected customers via cold call and emails and keep track using SAP system.
- ♦ Maximise the effectiveness of direct field sales force by producing a high-quality value add and working as a team towards agreed targets
- ♦ Familiar with food standard HACCP, GMP, ISO 22000, etc

### Senior Sales and Application Engineer

Inviretech Systems Sdn Bhd (HVAC engineering)

*March 2018 to August 2018*

- ♦ Lead sales division by ensuring the sales target achieved and forecast the sales target every month within coming Purchase Order (PO)
- ♦ Responsible with international and OEM sales
- ♦ Coordinate the sales orders and work order to ensure delivery on time
- ♦ Familiar with ASHRAE Standard

## Software

- ♦ Microsoft 365  
Intermediate
- ♦ Matlab  
Intermediate
- ♦ SAP System  
Intermediate
- ♦ Design Expert (DX6)  
Intermediate
- ♦ SPC (Honda Spare  
Part Software)  
Intermediate

## Publication

- ♦ Optimization of Machining Parameters during Milling of Carbon Fibre Reinforced Plastics (CFRP) ,2021  
Published in book series of Springer Lecture Notes in Mechanical Engineering for Proceedings of the 3rd Malaysian International Tribology Conference
- ♦ Optimization of Machining Parameters during Milling of Carbon Fibre Reinforced Plastics (CFRP) using RSM ,2021  
Published in Jurnal Tribologi

## Conference

- ♦ ICAMME 2022  
International Conference of Advanced Manufacturing and Materials Engineering
- ♦ ITRS 2021  
2<sup>nd</sup> Virtual International Tribology Research Symposium
- ♦ MITC2020ne  
Malaysia International Tribology Conference

## Sales and Application Engineer

Invirotech Systems Sdn Bhd

May 2017 to February 2018

- ♦ Perform design selection following the technical specification which suit client needs.
- ♦ Check compliance, BOM, mechanical drawing (GA and CAD Drawing) and tender for each technical specification
- ♦ Prepare RFQ through Ariba Sourcing for tender interview.
- ♦ Validate the Engineering Change Notice and Engineering Change Order

## Service Consultant

Honda Global Amity Sdn Bhd  
(Automotive engineering)

August 2016 to May 2017

- ♦ 10 months contract basis under Graduate Employability Management Scheme (GEM 2016)
- ♦ Served and advised customer with preventive maintenance service schedule.
- ♦ Deal with customers to determine car's problem and provide technicians with accurate repair descriptions.

## Intern Trainee

Space Science Center, UKM Bangi  
(Aerospace Engineering)

Jun 2015 to August 2015

- ♦ Carried out research on the lightning activity in Antartica to compared with Malaysian climate.
- ♦ Processed data from satellite in Matlab to analyze the lightning pattern in Antarctica.

## References

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