

PMG RESEARCH GROUP

Name	Expert Area (Max 3)	Master Thesis Title	Phd Thesis Title
Nur Aidawaty Rafan	Control Systems, Industrial Automation, System Modelling	A Study On Performance Analysis Of XY Table For Laser Spot Welding	Stick Slip Friction Models Control Design Approach For Friction Compensation In Machine Tools Drive System
Mohd Shahir Kasim	High Speed Machining, Proses Optimization, Plant Maintenance	Development Of Shaft Alignment System Using Excel	Cutting Performance Of Physical Vapour Deposition (PVD) Coated With High Speed End Milling Of Aged Inconel 718 Under Minimum Quantity Lubrication (MQL) Condition
Lokman Abdullah	Control Systems, Analytical Hierarchy Process (Ahp), Manufacturing Systems	Automated Color Sorting Robot For Recycling Application	A New Control Strategy For Cutting Force Disturbance Compensation For Xy Table Ball Screw Driven System
Nur Izan Syahriah Hussein	Welding, Casting, Manufacturing Proseses	Study Of Mechanical Properties And Weld Metal Porosity In Robotic Metal Inert Gas (MIG) Aluminum Alloy 5754 Weldments	Direct Metal Deposition (DMD) Of Waspaloy Wire Using High Power Diode Laser (HPDL) Or Gas Tungsten Arc Weld (GTAW) Method
Zamberi Jamaludin	Control System, Mechatronics, Automation And Robotics	Optimum Parameters For Injection Moulding Process Using Moldflow	Disturbance Compensation For Machine Tools With Linear Motor Drive
Syahrul Azwan Sundi @ Suandi	Precision Machining, CAD/CAM	Simultaneous Five-Axis Machining Evaluation On Curved Shape Profile	
Muhammad Syafik Jumali	CNC Machining, Cutting Tool Technology	The Influence Of Tool Geometry Towards Cutting Performance In Machining Aluminium 7075	
Hassan Attan	Design, RP And CAD/CAM	Development Of Anthropometric Data In Ballistic Panel Design	
Raja Izamshah Raja Abdullah	Precision Machining, Optimisation	Machinability Of Gamma Titanium Aluminide	Hybrid Deflection Prediction For Machining Thin Wall Aerospace Monolithic Component
Mohd Yuhazri Yaakob	Composite; Engineering Mechanics; Product Development	High Impact Hybrid Composite Material For Ballistic Resistance	Mechanical & Ballistic Properties Of Laminated Hybrid Glass Fibre/ Metal Wire Mesh Reinforced Unsaturated Polyester Composite Of Hard Panel Product
Norfariza Ab Wahab	Machining/Manufacturing Process, CAD/CAE, Green Technology		

Mohd Hairizal Osman	Moulding, Precision Machining And Joining	Design And Fabrication Of Bracket Engine Mountion For Perodua	
Mohd Sanusi Abdul Aziz	Layered Manufacturing, High Speed Machining	Study On Residual Stress Reduction Of Consolidated Structure Obtained By Layered Manufacturing Process	Studies On Reduction Of Residual Stress And Deformation In Consolidated Structure Fabricated By Milling-Combined Laser Consolidation System
Mohd Amran Md Ali	Polymer Processing, Machining, Mould And Die Design	Polymer Flow Simulation	Polymer Rheology
Prof Dato Dr Abu Abdullah	1. Machining Technology 2. Machine Tools Technology 3. Manufacturing Technology Management	NC Machining	Machining Of Metal Matrix Composite
Mohd Hadzley Abu Bakar	Machining, Cutting Tool, Surface Integrity	Fabrication And Machining Performance Of Alumina Zirconia Based Cutting Tool	Machining And Simulation Of Titanium With High Pressure Coolant
Mohd Hairizal Osman	Precision Machining, Tool And Die, Plastics Injection Moulding	Design And Fabrication Of Engine Bracket Car Mounting	
Mohamad Nizam Ayof	Laser, Cavitation, Welding	Kajian Kesan Kerosakan Tompokan Oleh Mikrojet	
Mohd Shahir Kasim	Proses Optimization, High Speed Machining, Precision Machining	Development Of Shaft Alignment System Using Excel	Cutting Performance Of Physical Vapour Deposition (PVD) Coated With High Speed End Milling Of Aged Inconel 718 Under Minimum Quantity Lubrication (MQL) Condition