

Lists of Research Projects for Faculty of Manufacturing Engineering (2012)

No	Research Title	Main Researcher	Start Year	End Year	Amount (RM)	Sponsorship Agency
1	Potential of Integrated Chatter Avoidance and Minimum Quantity Lubrication Condition in Machining Process	Dr. Ahmad Razlan Yusoff	2012	2014	56,000.00	KPT (FRGS)
2	Process Damping In Milling : An Alternative Technique For A Low Speed Titanium Machining	Mr. Ahmad Rosli Abdul Manaf	2012	2014	34,100.00	UMP (Research Grant)
3	Process Optimization For Intelligent Manufacturing and Product Development & Innovation	Dr. Ahmad Razlan Yusoff	2012	2014	61,200.00	COE (MTUN)
4	Bio-Inspired Intelligent Sensor Network	Prof. Ir. Dr. Ahmad Faizal Mohd Zain	2012	2014	108,000.00	COE (MTUN)
5	Development of Wireless-Controlled Industrial Robot	Mr. Nafrizuan Mat Yahya	2012	2013	36,000.00	UMP (Research Grant)
6	Development of Prototype Switchable Intelligent Tuneable Antenna Matching unit for the HF Band	Prof. Ir. Dr. Ahmad Faizal Mohd Zain	2012	2014	70,000.00	KPT (FRGS)
7	Industrial Testing of a 3-Axis CNC Machine using the Predefined Closest-Distance Volume Interpolator for Tailor Welded Blanks (TWBs) Application	Prof. Madya Dr. Wan Azhar Wan Yusoff	2012	2014	200,000.00	KPT (FRGS)
8	Multi-Objective Genetic Algorithm for Flowshop Scheduling Problem	Dr. Noraini Mohd Razali	2012	2014	16,800.00	UMP (Research Grant)
9	Experimental Assessment of Cooling Efficiencies in a Non-Isothermal Sheet Metal Forming Technology	Prof. Madya Dr. Abdul Aziz Jaafar	2012	2014	35,000.00	UMP (Research Grant)

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10	The Impact of Lean Kitting Supply System on Reducing Non Value Added Activates in the Motorcycle Engine Assembly Process	Mr Mohd Paudzi Abdullah	2012	2014	17,920.00	UMP (Research Grant)
11	Characteristics of a Mobile Platform in an Indoor Structure Environment	Prof. Madya Dr. Abdul Aziz Jaafar	2012	2014	35,400.00	UMP (Research Grant)
12	Linear & nonlinear thermoelastic snslsysis of F.G.M Ayysmeretic Rotating Disk	Prof. Ir. Dr. Shah Nor Basri	2012	2013	32,500.00	UMP (Research Grant)
13	Parametric Study of Coupled Vibration Based Energy Harvesting Systems for Wireless Sensor Networks in Automotive Kinetics Tests	Mr. Wan Hasbullah Mohd Esa	2012	2014	55,000.00	KPT (RAGS)
14	Deposition of Solid Aerosol in a Glass Tube using the Method of Thermopheretic Prcipitation	Mr. Shaiful Hakim Mohamed Noor	2012	2014	20,000.00	UMP (Research Grant)