

Personal Details	PRATAP NAIR A/L MARIMUTHU
Academic Qualifications	Degree in Electrical & Electronics Engineering (University Tenaga Nasional) Master in Engineering Management (University Tenaga Nasional) On-Going Doctorate in Business Management (DBA)
Administrative Duties	Energy Manager for AIMST University Marketing Coordinator ( Poly/ Private Colleges) Lab Coordinator Faculty Safety Manager Exam Vetting Team Faculty Task Force
Publications (last 5 years)	<p>Design of Smart Pulse Oximeter using ATMEGA 328 Microcontroller, International Journal on Emerging Technologies, 2020</p> <p>Enhanced R package-based cluster analysis fault identification models for three phase power system network, Inderscience, 2019</p> <p>Design and development of variable frequency ultrasonic pest repeller published in Journal of Advanced Research in Dynamical, 2017.</p> <p>Android based Smart House Control via Wireless Communication, published in International Journal of Scientific Engineering and Technology, 2016</p> <p>Cosine similarity cluster analysis model based effective power systems fault identification, International Journal of Advanced and Applied Sciences, 2017</p> <p>Cluster analysis based fault identification data mining models for 3 phase power systems, Journal of Innovation, 2016.</p> <p>An Effective Cable Sizing Procedure Model for Industries and Commercial Buildings published in International Journal of Electrical and Computer Engineering (IJECE) in 2016.</p> <p>Feasibility Analysis Model for Mini Hydropower Plant in Tioman Island, Malaysia published in Distributed Generation and Alternative Energy Journal in 2016.</p> <p>Application of Cluster Analysis and Association Analysis Model Based Power System Fault Identification” published in European Journal of Scientific Research in 2016.</p> <p>Energy Saving Hybrid Solar Lighting System Model for Small Houses published in World Applied Sciences Journal in 2015.</p> <p>A Review on Photo Voltaic MPPT Algorithms published in International Journal of Electrical and Computer Engineering (IJECE) in 2015.</p> <p>Local Outlier Factor based Data Mining Model for Three Phase Transmission Lines Faults Identification published in International Journal of Computer</p>

	<p>Applications in 2015.</p> <p>Voltage Stability Analysis and Stability Improvement of Power System published in International Journal of Electrical and Computer Engineering (IJECE) in 2015.</p>
On-going Research	Factors that affecting the teaching effectiveness of Private University lecturer in Malaysia
Completed Research	Data Mining in Power System
Research Grants	Fundamental Research Grant Scheme (FRGS) on “ Outlier and Association Analysis Based Data Mining Model for Power System Fault Detection (2014)- Approved fund RM63,000 and will be completed by end of 2016.
Consultancy	Energy Manager
Awards	Best performance in Faculty of Engineering 2016 Q1
Professional Membership	<p>A registered member with Board of Engineers, Malaysia as a Professional Engineer. (Registration No: 67569)</p> <p>A registered Corporate Member with Institution of Engineers, Malaysia as a Member. (Registration No: 46759)</p> <p>A registered Chartered Engineer with The institution of Engineering and Technology (IET-UK)- (Registration No: 1100401595)</p> <p>A registered Electrical Energy Manager (Registration No: PTE-0108-2015)</p> <p>SIRIM Certified Business Continuity Management System Practitioner.</p>
Supervision	Post graduates students
Teaching	<p>Power System Analysis (Degree)</p> <p>High Voltage Engineering (Degree)</p> <p>Design of Electrical Machines (Degree)</p> <p>Engineering Science(Diploma)</p>
Areas of Expertise	Electrical/Power
Contact Details	pratap_n@aimst.edu.my & extension number:8362