



STATISTICS OF FEASIBILITY STUDIES BY COURSE

**ERIS SECTION
Library Department**

FEASIBILITY STUDIES

ME

ACC. NUMBER	AUTHOR	TITLE	YEAR
5841	Catipon, Michael	The Applicability of Poly-vinyl Alcohol (PVA) as Quenchant for 4140 and 1045 Steels	2006
5756	Dujunco, Karlo Antonio D.	Design and Construction of a Fuel Efficient Drive Train System of a Prototype Vehicle for the Shell Ecomarathon 2011	2011
5757	Palpallatoc, Argel P.	Design and Fabrication of the Transmission, Control and Protection systems for the completion of a 300W Darrieus Wind Turbine	2012
5758	Alcarde, Alfred S.	Design, Fabrication and Installation of an Open- Loop Geothermal Cooling System for a Residential House Application	2012
5759	Belgica, Porfirio Manuel III G.	Development of an Aerodynamic Carbon Fiber Vehicle Body for Shell Eco-Marathon 2012 Prototype Category	2012
5760	Junio, John Michael B.	Development of Refrigerator Prototype Utilizing an Inverter Compressor	2012
5761	Moraleja, Gilbert B.	Fabrication and Testing of a Mechanical Ice-shaver	2012
5762	Albano, Stephen L.	Assessment and Improvement of Indoor Air Quality of a Silk Screen Printing Factory in Marikina City	2013
5763	Ana, Dayzzel Marie	Design, Fabrication, and Testing of a Detachable Power Propulsion Assist System for Manual Wheelchairs	2013
5764	Capuno, Charles Brian C.	Design, Fabrication and Installation of Pico-Hydro Power in Barangay San Andres, Tanay Rizal	2013
5765	Isorena, Karlo Angelo I.	Development of a 2-Seater Solar Powered Boat for Short-Distance Tourist Recreation Using 2HP Electric Outboard Motor and 40W Solar Panel	2013
5766	De Jesus, Jessel P.	Development of a Compressed Air Tesla Turbine for the Propulsion of Electric Car	2013
5767	Bartolome, Paulo Enrique V.	Development of a Five Axes, Nine Degrees of Freedom Robotic Arm System as a Low-Cost Alternative for the Lab Volt Robotic Arm	2013
5768	Estole, Jorel	Development of a Flat Plate Solar Collector Demonstration and Training Unit	2013

5769	Atienza, Jerick L.	Development of the Mapúa Shell Prototype Concept Eco Car Chassis using Bambusa Arundinacea (Bamboo) as the Primary Material	2013
5770	Arajo, Karl Kenneth S.	Fabrication of a Sailwing Blade and Design of Nacelle Assembly for a 2-3 kW Horizontal Wind Turbine for Residential Lighting in Sitio Bayucan, Barangay Sampaloc, Tanay, Rizal	2013
5771	Apetrior, Jerick C.	Improvement of the Design of the Bosch Siklab Go-Kart for the Bosch Power Tools Asia Cordless Race 2011	2013
5772	Asis, Jay Marvin H.	Solar Vacuum Fruit Dryer; Design, Fabrication, Evaluation and Comparison between Traditional Sun Drying Method and Solar Vacuum Fruit Dryer	2013
5773	Adriano, Eugene Paulo S.	A Method for Bolt Failure Analysis in Philippine Navy Ships Using a Complex Based Algorithm in Visual C#	2013
5774	Camering, John Michael J.	Assessment and Improvement of the Indoor Air Quality of LCD Computer Shops	201
5775	Alem, Jem Sarit Martin V.	Assessment of IAQ-Related Parameters in an ETS-Contaminated, Controlled Environment with CFD Analysis of Selected Parameters for Predicting both Short Term Room Conditions and Effectiveness of Increased Exhaust Air Flowrate	2014
5776	Atienza, Francis Kevin C.	Assessment of the Indoor Air Quality of a Tarpaulin Printing Shop in Las Piñas City	2014
5777	Antonio, Eric James	Characterization of Mechanically Enhanced Bamboo Fiber Composite for a Proposed Monocoque Design of Shell Eco Marathon Vehicle	2014
5778	Almazan, Kaye L.	Design and Analysis of the Aerodynamic Performance of a Conceptual Multi-Bladed Vertical-Axis Wind Turbine	2014
5779	Concepcion, Aldrine B.	Design and Fabrication of a New Prototype Adapting the Innovations of the 2012 Amphibious Motorized Tricycle	2014
5780	Da Silva, Elisario M.	Design and Simulate an Aerodynamic Urban Concept car Body for the Shell Eco-Marathon with Less Coefficient of Drag	2014
5781	Conde, Paul Christian T.	Design, Fabrication and Installation of a 2-3kW Horizontal-axis Sailwing Wind Turbine in Sitio Bayucan, Tanay, Rizal	2014
5782	Evangelista, Patrick Kevin L.	Design, Fabrication and Installation of Slip Ring Mechanism and Basic Charging System for the Wind Turbine Project in Sitio Bayucan, Barangay Sampaloc, Tanay, Rizal	2014
5783	Aimola, Richard O.	Design, Fabrication, and Testing of Flywheel Kinetic Energy Storage and Regenerative Braking System on a Bicycle	2014
5784	Apolto, Krister S.	Development of a 5-Seater	2014

5785	Bansil Jr, Alex	Development of a Darrieus-type, Straight-blade Vertical Axis Wind Turbine Prototype with Self-starting Capability	2014
5786		Development of a Low-Cost 3-Axis Numerical Control Vertical Milling Machine Prototype CABUNGCAL, Khristlyn Joy B.	2014
5787	De Castro, Kevin Roy E.	Integration of Beta Stirling Engine to EM-529 Generator: Source of Electricity during Power Shutdown	2014
5788	Aquino, Marlon B S.	Mathematical Modelling of NH ₃ H ₂ O Vapor Absorption Refrigeration System to Maximize the Coefficient of Performance by Optimizing Generator Temperature Using Engineering Equation Solver	2014
5789	Candaroma, John Peter D.	Performance Comparative Analysis of Ducted and Plenum Underfloor Air Distribution (UFAD) System using ANSYS CFD	2014
5790	Bolo, Mark Anthony B.	Prototype development of a One-man Vehicle Using Tesla Turbine as Its Prime Mover	2014
5791	Bernardo, Mark Oliver D.	Developing a Functional Stairway Utilizing Human Kinetic Energy to Produce 5W of Power	2015
5792	Ambrocio, John Ray M.	Development of a Control System for the Heat Exchanger in the Environmental Quality Measurement Laboratory to Maintain ASHRAE Recommended CO ₂ Concentration Level	2015
5793	Chen, Shizhao	Development of Efficient and Cleaner Charcoal Stoves for Cooking Applications in a Rural Residential Dwelling	2015
5858		HB White LED manufacturing plant	2013
7597	Ambrocio, John Ray	DEVELOPMENT OF A CONTROL SYSTEM FOR THE HEAT EXCHANGER IN THE INDOOR ENVIRONMENTAL QUALITY MEASUREMENT LABORATORY TO MAINTAIN ASHRAE RECOMMENDED CO ₂ CONCENTRATION LEVEL	2015
7598	Conde, Paul Christian	Design, Fabrication and Installation of a 2-3kW Horizontal-axis Sailwing Wind Turbine in Sitio Bayucan, Tanay, Rizal	2015
7599	Doll, Jatinder	Determining the Effects of Relative Humidity and Temperature to the Academic Performance of College Students Using Quantitative Electroencephalography	2016
7600	Harvey, Joshua Julius	Development of a Human Powered Vehicle adapting the synthesis of Engineering Concept and the Spanish colonial architecture to serve Intramuros, Manila	2015
e7625	Angeles, John Heider G	Design, Fabrication, and Installation of a Low Head Crossflow Turbine for a 1 kW Pico-	2015

e7626	Arambulo, Karl Christian B.	Design and Fabrication of Robot for Visual Inspection of the Air Duct System of the Research	2015
e7627	Buenaventura, Darryl V	A CFD Analysis of an Ejector Refrigeration System Driven by Low-grade Thermal Energy	2015
e7628	Castro, Fidel Jun M	Development of a Recumbent Stationary Bike for Exercise Application with CAability to Charge a	2015
e7629	Eustaquio, Aaron Jayverin F.	Design and Assembly of a Portable and Lightweight Electric Scooter	2015
7906	Acevedo, Dean Wesley R	Assessment for LEED Certification Readiness of the Mapua Institute of Technology North Building Part 1: Energy and IEQ	2016
7907	Adato, Mon Paulo V	Development of an Improved Detachable Power Propulsion Assist System for Manual Wheelchairs Based on an Earlier 2013 Prototype	2016
7908	Areta, Neil Allyson C.	Indoor Air Quality Baseline Study of Classrooms in Mapúa Institute of Technology – Intramuros, Manila	2016
7909	Asuncion, Al Theophilus G	DESIGN, FABRICATION AND INSTALLATION OF 1KW PICO-HYDRO POWER IN TANAY, RIZAL TO PROVIDE ALTERNATIVE SOURCE OF ELECTRICITY	2016
7910	Ayento, Francis Jason C.	Design and Fabrication Of Moving Parabolic Trough with Sun-Tracking Photo-resistor for a Water Distiller Powered by Solar Energy	2016
7911	Basilio, Juan Paolo M.	Design, Fabrication, and Assembly of a Multi-Effect, Multi-Wick Solar Desalinator Producing 25 Liters of Potable Water per Day	2016
7912	Batutay, Jedvic Neil Gonzaga	Design, Simulation and Testing of a Wind Accelerator Chamber and Air Flow Rate Multiplier Wind Turbine	2016
7913	Borinaga, Bern Carlo C.	Assessment of Coconut Biodiesel Blends on Diesel Engine Performance and Exhaust Emissions	2016
7914	BRUCAL, Renn Veric D	INDOOR AIR QUALITY BASELINE STUDY OF OFFICES AT MAPÚA INSTITUTE OF TECHNOLOGY INTRAMUROS MANILA PHILIPPINES	2016
7915	Calpe, Emil L.	A Comparative Analysis of Selected Parameters of Mango Briquettes and Ordinary Charcoal for Household Cooking	2016
7916	Cagalpin, Jan Karlo A.	Design and Fabrication of a 3D Printed Remote Controlled Pipe Inspection Robot Prototype for 10-12 Inch Nominal Size Pipes	2016
7917	Giroth, Ezra Johan	Comparison and Evaluation of Savonius, Darrieus, and Hybrid Savonius-Darrieus Vertical Axis Wind Turbine of its Aerodynamic Performance using Numerical Methods	2015
7918	Go, Kevin Michael I.	Design of Economical Equipment For Extraction of Ginger Juice via Cold Press Method	2016

e7906	Acevedo, Dean Wesley R	Assessment for LEED Certification Readiness of the Mapua Institute of Technology North Building Part 1: Energy and IEQ	2016
e7907	Adato, Mon Paulo V	Development of an Improved Detachable Power Propulsion Assist System for Manual Wheelchairs Based on an Earlier 2013 Prototype	2016
e7908	Areta, Neile Allyson C.	Indoor Air Quality Baseline Study of Classrooms in Mapúa Institute of Technology – Intramuros, Manila	2016
e7909	Asuncion, Al Theophilus G	Jdesign, fabrication and installation of 1kw pico-hydro power in tanay, rizal to provide alternative source of electricity	2016
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e7918	Go, Kevin Michael I.	Design of Economical Equipment For Extraction of Ginger Juice via Cold Press Method	2016
e8158	Alarilla, Joshua Aleck	Production of Biodiesel B2 and B5 through Extraction and Blending of Calophyllum Blancoi	2016
e8159	Alcuran, Aaron Paul	Development of a Rickshaw based Human-powered Vehicle Utilizing Mechanical Engineering	2016
e8160	Alfonso, Shane Axl	Design fabrication and testing of a manually driven rice transplanting	2016
e8161	Almadrones, Jemina Grace	Assessment of LEED v4 Certification Readiness of the Mapua Institute of Technology North Building	2016
e8162	Adrian, John Ray	Development of an Air Filtration System which utilizes built-in Ionizer High-Efficiency Particulate	2016

e8163	Antigo, Kelvin John	Photogrammetry and Image Processing for Underwater Visual Inspection using Paired Lasers	2016
e8164	Arabes, Sam Amiel	Development of Graphical User Interface Based Robot for Enhanced Visual Inspection of Air Duct	2016
e8165	Benavidez, Christopher	Design Fabrication and Testing of a Magnetic Wheeled Wall Climbing Robot for Visual Inspection	2016
e8166	Buquiz, Bernard Lon R.	Design Fabrication and Testing of a Fluidized Bed Paddy Dryer that Uses a Rice Hull Fueled Furnace	2016
e8167	Cantas, Patrick Jordan	Design and simulation of urbanconcept car chassis for shell eco-marathon asia	2016
e8168	Castor, Chrystelle	Design fabrication and testing of a double slope single basin distiller	2016
e8169	De guzman, Jaioes	Fabrication of a Prototype Six Blade Vertical-Axis Wind Turbine	2016
e8170	Derige, Jett Rashyhiro	Design Fabrication and Testing of a Road Speed Breakers with Piezoelectric Energy Harvester and	2016
e8171	De la Fuente, Mark Jose	Assessing the factors affecting the acceptance of electric vehicle in sociodemographic landscape of	2016
e8172	Guerrero, Calom Briont	Modification of existing conventional water dispenser of mapua institute of	2016
e8173	Laurena, Daniel Von Anton	Fabrication and Testing of a 45 degress 3-Bladed Vertical Axis Wind Turbine for Lamp Posts at	2016
e8174	Ramos, Mike Q.	Energy Cost Analysis between a Window Split Type and a Chilled Water A/C System for the Mapua	2016
e8296	Aguilan, Leonard Paul C.	Indoor Air Quality Baseline Study of Selected Offices in North Building of Mapúa University Intramuros, Manila	2017
8784	Azarcon, Aldrich Paul A.	Indoor Air Quality Baseline Study of Selected Offices in North Building of Mapua University Intramuros Manila	2015
8785	Alcantara, John Vincent S.	Improvement of the Indoor Environmental Quality Measurement Laboratory in Mapúa Institute of Technology	2017
8786	Arca, John Emmanuel B.	Converting Rotational Motion of Bicycle Pedal and Bicycle Wheel into Electrical Energy to Charge 2.4 V Nickel Cadmium Battery Modules	2017
8788	Arnaldo, Raymart L.	Comparison and Performance Evaluation of a Kerosene Fueled Cylindrical Paddy Dryer with Horizontal Single Helical Ribbon Type Impeller to the Locally Fabricated Flat Bed Dryers	2017
8789	Avancea, Giordan Cedric G.	Development of a Robot for Surface Water Quality Measurement for Aquaculture Applications	2017
8790	Azarcon, Aldrich Paul A.	Area Estimation of Rust and Defects Using Image Processing Techniques	2017

8791	Balay, Desmond D.	Thermal Comfort Baseline Study of Administration Building and Research Building Offices at Mapua University Intramuros Manila	2017
8792	Baraquiell, Karl Anthony S.	Development of a Laboratory Set Up of a Horizontal Slinky Loop Geothermal Air conditioning System in Antipolo, Rizal	2017
8793	Bautista, Eldin E.	Indoor Air Quality Baseline Study of Selected Rooms in Research Building Mapua University in Manila	2017
8794	Cabanez, Jhan Rhennell F.	Indoor Air Quality Baseline Study of Classrooms in South and West Building of Mapua University Intramuros Manila	2017
8795	Castillo, Christian C.	Design and Testing of a Solar Absorption Refrigerator for Vaccine Storage using Ammonia Water Solution Suitable for Parabolic Trough	2017
8796	Castro, Rafael Luis L.	Assessment and Improvement of the Indoor Air Quality of a Residential House Which Utilizes Charcoal as Fuel for Cooking	2015
8797	Daniel, Dexter Jaed S.	Development of an Automated Air conditioning Unit System in an Indoor Environmental Quality Measurement Laboratory at Mapua University	2017
8798	Manlangit, Ryan Cesar G.	Design and Fabrication of Intake Manifold and Exhaust System to be used in an Electronic Fuel Injection System for the Prototype Vehicle Aguila for the Shell Eco Marathon	2017
8799	Lopez, John Eric Jayner Fulgencio.	Comparative Analysis of the Aerodynamic Characteristics of a Typical Philippine Jeepney and a Conceptual Jeepney Design using ANSYS 16.0 FLUENT	2017
8800	Mendoza, Diane Carina	Fabrication, Performance Testing and IAP Exposure Assessment of an Improved Charcoal Fired Cookstove	2017

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