



Romblon State University
COLLEGE OF ENGINEERING AND TECHNOLOGY
Odiongan, Romblon
Tel.no. (042) 567-5588

COMPILATION OF UNDEGRDUATE THESES
(As of January 2021)

Control No.	CIVIL ENGINEERING Title	Date Submitted
RSU-CE-090	Design of Drainage System of Poblacion San Andres, Romblon	January 2021
RSU-CE-089	Profiling of Poctoy and Dapawan river in determining flood prone areas	January 2021
RSU-CE-088	Development and Testing of a modified vertical helophyte system for the Romblon State University- College of Engineering and Technology Building	January 2021
RSU-CE-087	Use of Peanut Shell Ash as additive to cement bonded composites with waste chicken feathers as reinforcement	January 2021
RSU-CE-086	PrOposed Road Network for Romblon State University in Agpudlos, San Andres	January 2021
RSU-CE-085	Assessment of National and Provincial road condition in the Municipality of Odiongan	December 2020
RSU-CE-084	Design Study for a Village Coconut processing plant located at Sta. Maria, Romblon	December 2020
RSU-CE-083	Banana Leaf Ash as partial replacement for cement in concrete	November 2020
RSU-CE-082	Treated Pulverized Seashells as Strength Accelerating Admixture for Concrete Pavement	November 2020
RSU-CE-081	Proposed Design of Water System for Barangay Pangulo, Municipality of Calatrava	October 2020
RSU-CE-080	Physical and Mechanical Properties of Drywall made from Paper Waste using Cassava Starch as binder	October 2020
RSU-CE-079	Development of Bamboo Laminated Plyboard for Students Desks	October 2020
RSU-CE-078	Juice Drink Doypack as an Alternative Slope Protection	September 2020
RSU-CE-077	Study of waste glass powder and marble dust mixture as partial replacement of cement on concrete	September 2020



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RSU-CE-076	Design study of Flood Control System of the Romblon State University- Main Campus	July 2019
RSU-CE-075	Proposed Design of a Water Supply System in Barangay Balogo, Calatrava Romblon	May 2019
RSU-CE-074	Initial Environmental Examination of the Road Network in Romblon State University – Agpudlos Development Project	March 2019
RSU-CE-073	Compressive Strength of concrete using fine aggregates from selected quarry sites in Odiongan, Romblon	March 2019
RSU-CE-072	Effect of Marble Nanoparticles as Additive on the Physical and Mechanical properties of Concrete Mixes	March 2019
RSU-CE-071	Determination of Mechanical and Physical properties of Marbles in the Province of Romblon	March 2019
RSU-CE-070	Design study for Proposed Access Road, Main gate and Academic Oval of Romblon State University	March 2019
RSU-CE-069	Shear and Tensile Properties of Kawayan Tinik (<i>Bambusa blumeana</i> , Schult. and Schult.f.) and Patong (<i>Dendrocalamus latiflorus</i> , Munro)	March 2019
RSU-CE-068	Assessment And Evaluation Of Existing Drainage System Of The Town Proper Of Municipality Of Odiongan, Romblon	April 2018
RSU-CE-067	The Effects Of Particle Size Coarse Aggregates On The Compressive Strength Of Concrete From Selected Quarry Sites In Tablas Island, Romblon	April 2018
RSU-CE-066	Design Of Rainwater Harvesting System Of The 2-Storey Academic Building For The College Of Engineering And Technology, Romblon State University (Main Campus)	April 2018
RSU-CE-065	Improvement Of The Existing Water System In Bagsik, Alcantara, Romblon	May 2017
RSU-CE-064	Proposed RSU Sports Arena	May 2017
RSU-CE-063	Proposed Improvement Of Budiong-Bangon Road, Odiongan, Romblon	April 2017
RSU-CE-062	Proposed 3-Storey College Of Engineering And Technology Building Romblon State University Main Campus	April 2017
RSU-CE-061	Design And Analysis Of Water Supply System Of RSU- Agpudlos Campus, San Andres, Romblon	April 2017



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RSU-CE-060	Thermal And Acoustic Properties Of Tiger Grass Pollen Insulation Material With Arrowroot Starch As Binder	February 2017
RSU-CE-059	Comprehensive Land Use Plan Of Romblon State University Main Campus	August 2016
RSU-CE-058	Profiling Of Bangon River System In The Municipality Of Odiongan	August 2016
RSU-CE-057	Development Of Timber Truss Analysis Software Application	August 2016
RSU-CE-056	Cost Estimate Project Management And Structural Design Analysis Of The Proposed Facilities For Romblon State University Agpudlos Campus, San Andres, Romblon	June 2016
RSU-CE-055	Compressive Strength Of Concrete Reinforced With Banana Fibers	January 2015
RSU-CE-054	Styrofoam Dissolved In Gasoline As An Adhesive For Particle Board	January 2015
RSU-CE-053	Assessment Of Indoor Air Quality In Romblon State University Main Campus Building	January 2015
RSU-CE-052	Proposed Improvement Of Romblon State University Irrigation Water Distribution System	January 2015
RSU-CE-051	Proposed RSU Eco-Park	March 2015
RSU-CE-050	Sound Absorption Characteristic Of Coconut Husk Acoustic Panel Using Different Types Of Binders	March 2015
RSU-CE-049	Compressive Strength Of Concrete Using Tiger Grass As Fiber Reinforcement	March 2015
RSU-CE-048	Factors Affecting The Compressive Strength Of Concrete Using Aggregates From Selected Quarry Sites In Odiongan, Romblon	March 2015
RSU-CE-047	Proposed Solid Waste Management Plan Of Romblon State University, Main Campus	March 2015
RSU-CE-046	Evaluation And Improvement Plan Of Existing Water System Of Cawayan-Long Beach, San Agustin, Romblon	March 2014
RSU-CE-045	Modified Interlocking Precast Concrete Blocks For Fence Wall: Prototype	March 2014
RSU-CE-044	Compressive Strength Of Concrete Using Aggregates From Different Quarry Sites In Odiongan, Romblon	March 2014



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RSU-CE- 043	Comparative Analysis Of Concrete's Compressive Strengh Using Ilang-Ilang (<i>Cananga Odorata</i>), Paper Tree (<i>Gmelina Haenanensis</i>) And Coconut (<i>Cocus Nucifera</i>) Sawdust As A Full Replacement For Sand	March 2014
RSU-CE-042	Plastic Waste Material As Partial Substitute For Sand In Concrete Bricks	March 2014
RSU- CE-041	Design And Development Of Portable Concrete Mixer	March 2013
RSU-CE-040	Designed Household Waste Water Treatment Facility Model : Modified	March 2013
RSU-CE-039	Design And Fabrication Of Mechanical Sieve Machine	March 2013
RSU-CE-038	Design And Development Of Mechanical Brick Molding Machine	March 2013
RSU-CE-037	Design Of Wastewater Treatment Facilities In Odiongan Public Market, Odiongan, Romblon	April 2012
RSU-CE-036	NSCP 2001 And NSCP 2010: A Comparative Analysis	June 2012
RSU-CE-035	Household Wastewater Treatment Facility: A Proposed Model	April 2012
RSU-CE-034	Safety First: An Assessment Of Health And Safety Culture Among Construction Workers In The Province Of Romblon	April 2012
RSU-CE-033	Proposed Development Of Existing Drainage System Of Selected Flooded Areas In Barangay Poctoy And Barangay Dapawan, Odiongan Romblon	April 2012
RSU-CE-032	Design And Fabrication Of Mechanical Sieve Shaker	February 2012

Control No.	MECHANICAL ENGINEERING Title	Date Submitted
RSU-ME-035	Development and Evaluation of an Automated Fish Smokehouse Machine	March 2019
RSU-ME-034	Evaluation of the Effectiveness of different absorbents in Dehumidified Air Dryer	March 2019
RSU-ME-033	Design, Development And Testing Of Turnstile Energy Harvester	April 2018



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RSU-ME-032	Design, Fabrication And Performance Test Of A Prototype Jackfruit Peeling And Slicing Machine	April 2018
RSU-ME-031	Design, Development And Testing Of Multi Root Crop Washing Machine	April 2018
RSU-ME-030	Design Fabrication And Performance Evaluation Of Coin Slotted Automatic Shoe Polishing Machine	April 2017
RSU-ME-029	Development And Modification Of A Mechanical Mango Picker	April 2017
RSU-ME-028	Design And Fabrication Of A Prototype Steamed Rice Dehumidifier	April 2017
RSU-ME-027	Design, Development And Evaluation Of A Solar Powered Agricultural Sprayer	April 2017
RSU-ME-026	Design And Development Of Rice Straw Twining Machine	May 2016
RSU-ME-025	Development Of An Air-Conditioning Trainer Unit For Instructional Purposes	May 2016
RSU-ME-024	Development Of Refrigerator Trainer Unit For Instructional Purposes	May 2016
RSU-ME-023	Design, Fabrication And Performance Evaluation Of A Modified Manually Operated Rice Seeder	April 2015
RSU-ME-022	Design, And Fabrication Of Polyethylene Terephthalate (Pet) Bottle Shredder	May 2015
RSU-ME-021	Design And Development Of Prototype Charcoal Fired Bibingka Oven	March 2014
RSU-ME-020	Development And Test Of A Mechanical Whiteboard Eraser	March 2014
RSU-ME-019	Design And Fabrication Of Pelleting Machine	March 2014
RSU-ME-018	Design And Development Of A Water Pump Powered By Flowing Water	March 2014
RSU-ME-017	Design And Fabrication Of Combined Cassava Peeler And Cleaner Machine	April 2013
RSU-ME-016	Design And Development Of A Small Capacity Mungbean Shelling Machine	April 2013
RSU-ME-015	Design And Development Of A Peanut Roaster Machine	April 2013



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RSU-ME-014	Design And Construction Of Snail Remover	March 2012
RSU-ME-013	Cassava Chipper And Grater: A Dual- Purpose Machine	March 2012
RSU-ME-012	Ricehull-Fed Dryer: Design, Construction And Initial Testing Of Cassava Chips Dryer	March 2012
RSU-ME-011	Modification And Performance Testing Of Tiger Grass Pollen Remover	March 2012
RSU-ME-010	Design And Fabrication Of Screw Conveyor	March 2012
RSU-ME-009	Portable Rice Dryer: Design And Construction Of A Flat Bed Dryer	April 2011
RSU-ME-008	Tiger Grass Pollen Remover: Design And Construction	April 2011
RSU-ME-007	Design And Construction Of Biomass Briquetting Machine	March 2010
RSU-ME-006	Design And Construction Of Cassava Grating Machine	March 2010
RSU-ME-005	Test Performance Of The Modified Rice Hull Gasifier Stove Developed At The Romblon State University- College Of Engineering And Technology	March 2010
RSU-ME-004	Design And Construction Of Briquetting Machine	March 2010
RSU-ME-003	Design And Construction Of An Air-conditioning System Using Water As Refrigerant	May 2009
RSU-ME-002	Design And Construction Of Aggregate Sieve Machine	April 2008
RSU-ME-001	Design And Construction Of Reel Mower Machine	March 2007



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Control No.	ELECTRICAL ENGINEERING Title	Date Submitted
RSU-EE-048	Design and Development of a microcontroller based Solar Photovoltaic (PV) pump controller	July 2020
RSU-EE-047	Design and Development of an Automatic Power factor correction device for IIT at the Romblon State University- Main Campus	July 2020
RSU-EE-046	Maximization of Solar Photovoltaic Energy capture using combined passive cooling and solar tracking	July 2020
RSU-EE-045	Development of Synthetic Graphite/Polyurethane (sg/pu)- coated copper cathodes for seawater batteries	July 2020
RSU-EE-044	Development and Evaluation of an Automated Solar-powered Auger-type fish feeder for Aquaponic System Application	April 2019
RSU-EE-043	Development and Testing of Secondary Electrical Marble Spool Insulator	March 2019
RSU-EE-042	Design and Development of wire temperature and overload monitoring device in residential electrical panel	March 2019
RSU-EE-041	Design and Development of waste heat recovery electric generator	March 2019
RSU-EE-040	Design, Development and testing of live wire tracing and ammeter device	March 2019
RSU-EE-039	Design, Development of safety monitoring and warning system device for Electrical System of the College of Engineering and Technology Building	March 2019
RSU-EE-038	Performance Evaluation of Romblon State University Agpudlos Campus Solar-powered water pump	March 2019
RSU-EE-037	Design Of Manually Operated Synchronizing Device For Diesel Power Plant	April 2018
RSU-EE-036	Design Of Underground Low Voltage Secondary Distribution System In Romblon State University (Main Campus)	April 2018
RSU-EE-035	Design Of Grid-Tied Solar Photovoltaic Roofing Of Romblon State University Quadrangle (Main Campus)	April 2018
RSU-EE-034	Design, Development And Evaluation Of An Automated Kilowatt-Hour Meter With Pilferage Protection System	April 2018



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RSU-EE-033	Proposed Master Plan For Romblon State University, Main Campus Electrical System	April 2017
RSU-EE-032	Design, Development And Performance Evaluation Of A Solar Powered Arduino Based Heat Index Monitoring And Alarm Device (AHIMAD)	March 2017
RSU-EE-031	Design And Development Of An Arduino Based Solar Powered Bird Pest Deterrent Device For Agricultural Farm And Garden	March 2017
RSU-EE-030	Design, Development And Testing Of Solar Powered Automatic Sprinkler Irrigation System (SPASIS)	March 2017
RSU-EE-029	Development Of A Portable RF-Based Remote Controlled Switching Device (RCSD) For Common Household Electrical Appliances	March 2017
RSU-EE-028	Design And Development Of Arduino Based Transfer Switch System	March 2017
RSU-EE-027	Development Of A Prototype SMS Operated Switch For Lighting	March 2017
RSU-EE-026	Design And Development Of A Solar Charging Station For Laptop And Cell Phone	April 2016
RSU-EE-025	Design And Development Of Illumination Software For Interior Electric Lighting Calculation	April 2016
RSU-EE-024	Bluetooth Application For Water Supply Control System	April 2016
RSU-EE-023	Design And Development Of An Automated Micro-Irrigation Control System	April 2016
RSU-EE-022	Design And Development Of SMS- Based Fire Alarm Signaling System For Commercial And Residential Buildings	March 2016
RSU-EE-021	Development Of Graphite-Based Super Capacitor For Energy Storage	February 2015
RSU-EE-020	Development Of A Prototype Flood Level Monitoring System	February 2015
RSU-EE-019	Design And Development Of A 5200mah Solar Power Bank For Smart Phones And Tablet Charging	March 2015



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RSU-EE-018	Design Of Service Lateral Line In The Romblon State University (Main Campus)	March 2014
RSU-EE-017	Design And Development Of Solar Powered Automatic Greenhouse Watering System At Romblon State University, Main Campus Climatic Condition	March 2014
RSU-EE-016	Design And Development Of Solar-Powered Programmable Automatic Chicken Feeder	March 2014
RSU-EE-015	Design And Development Of Prototype Automated Control And Monitoring System For Dams	April 2013
RSU-EE-014	Design And Development Of A Solar Powered Automated Fish Feeder	April 2012
RSU-EE-013	Feasibility Study For A Windmill As An Alternative Source Of Electricity At Punta, Looc, Romblon	March 2012
RSU-EE-012	Proposed Electrical System Design Of Romblon State University Biomass Gasifier Building	March 2012
RSU-EE-011	Database On Alternative Feedstock For Biomass Gasifier In Tablas, Province Of Romblon	October 2012
RSU-EE-010	Power Audit On Romblon State University Information Technology Development Center	August 2011
RSU-EE-009	The Use Of Light Emitting Diode As An Effective Lighting System In Homes And Industries	April 2011
RSU-EE-008	Assessment Of Electrical Wiring Installation Of The Odiongan Commercial Center In Odiongan, Romblon	April 2011
RSU-EE-007	The Evaluation Of Voltage Drop Of Electrical System Of Romblon State University, Main Campus Buildings And Premises In Compliance To PEC Requirements	April 2011
RSU-EE-006	A Tracer Study Of The Bachelor Of Science In Electrical Engineering Graduates Of Romblon State University Main Campus Odiongan, Romblon	April 2010



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RSU-EE-005	The Effectiveness Of Windmill Blades In Voltage Generation In Agpudlos, San Andres, Romblon: A Comparative Study	March 2010
RSU-EE-004	Photovoltaic: Source Of Power In Romblon State University Agpudlos, San Andres, Romblon	March 2010
RSU-EE-003	Street Lighting Of Romblon State University Main Campus Using Photovoltaic As Source Of Power (Feasibility Study)	March 2010
RSU-EE-002	Awareness And Audit Of The Electrical Energy Consumption And Expenditures Of The Romblon State University Main Campus	March 2010
RSU-EE-001	The Effectiveness Of Smart Isolated Cell Sites In Tablas Island In The Province Of Romblon	March 2010



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Control No.	AGRICULTURAL ENGINEERING Title	Date Submitted
RSU-AE-017	Design and Development of Mobile-based Agricultural and Biosystems Engineering Reviewer	April 2019
RSU-AE-016	Survey of existing Small Scale Irrigation System(SSIS) and identification of potential sites for Irrigation Development in three selected barangays of Odiongan Province of Romblon	April 2019
RSU-AE-015	Development and Evaluation of an A-frame seaweeds dryer constructed using bamboo and bamboo connectors	April 2019
RSU-AE-014	Development And Test Of A Solar-Powered Automated Misting Chamber For A Clonal Nursery For Beema Bamboo (" <i>Bambusa Balcoa</i> ")	April 2018
RSU-AE-013	Effects Of Different Particle Size Of Rice Straw On The Physical And Mechanical Properties Of Particle Board	April 2018
RSU-AE-012	Production Of Tilapia, Shrimp, Lettuce And Pechay In Solar Powered Pyramidal Recirculating Aquaponics System (Sopras)	April 2018
RSU-AE-011	Effects Of Different Levels Of Marble Dust As Cement Replacement In The Physical And Mechanical Properties Of Concrete Hollow Blocks (CHB)	April 2018
RSU-AE-010	Survey Of Agricultural Mechanization In Selected Municipalities Of Tablas Island, Province Of Romblon	April 2017
RSU-AE-009	Survey Of Copra Drying Practices Of Farmers In Selected Municipalities Of Tablas Island, Province Of Romblon	April 2017
RSU-AE-008	Development And Testing Of A Solar-Powered Pyramidal Recirculating Aquaponics System	March 2017
RSU-AE-007	Optimizing Rice Hull, Saw Dust, Wood And Level Of Binders For Fuel Briquettes	March 2016
RSU-AE-006	Development And Comparison Of Hydraulic Jack And Screw Type Operated Coconut Milk Extractors	March 2016
RSU-AE-005	Design, Fabrication And Performance Evaluation Of Fruits And Vegetables Scrap Shredder	March 2016
RSU-AE-004	Design And Construction Of Manually Operated Corn Seeder Machine	April 2013



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RSU-AE-003	Performance Evaluation of RSU Designed and Constructed of Agricultural Waste Shredder	April 2012
RSU-AE-002	Organic Fertilizer from Waste: Design and Construction of an Organic Waste Shredder	July 2012
RSU-AE-001	A Survey On the Availability and The Extent of Use of Farm Machineries in Tablas Island, Province of Romblon	March 2009

Compiled by:

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