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

LIST OF UNDERGRADUATE RESEARCH PROPOSALS 2015-2016

These research proposals listed below were submitted and presented during the completion of Research Project 1 under Engr. Reynaldo P. Ramos, PhD during the second semester, 2015-2016.

CIVIL ENGINEERING	
Title	**Student Researchers**
1. Determining the right proportion of concrete mixture using aggregates from different quarry sites in the Municipality of Odiongan, Province of Romblon	1. Casidsid, Jona Val 2. Fesarillo, Charmaine F. 3. Fornea, Donna F. 4. Gaado, Koen Kate S. 5. Gonzales, Mary Joy R. 6. Pastor, Sahra Mae F.
2. Proposed 3-storey College of Engineering and Technology – Romblon State University Main Campus	1. Fadriquela, Ken James 2. Famadulan, Abegail 3. Fortunato, Margie 4. Tado, Jocelyn 5. Tianga, Noel Jr 6. Tolentino, April Kieth 7. Vicente, Clyde Love
3. Proposed Model Green Building of College of Engineering and Technology	1. Abello, Meriam F. 2. Bolon, Arlyn Joy G. 3. Garcia, Jhon Meynard Q. 4. Gregorio, John Fred V. 5. Mijares, Kenneth Christopher 6. Moral, Abegail G.
4. Water Distribution System Assessment Using EPANET (East Palo Alto Network) version 2.00.12: A Case Study of Poblacion, Odiongan	1. Bernales, Michael Jorge A. 2. Faz, Ephraim Joseph 3. Manlolo, Pearl Joy F. 4. Mores, Paul John F. 5. Motin, Yessa Marie M. 6. Raymundo, Dexter F.
5. Proposed 2-storey Library for the improvement of the existing library in Romblon State University, Main Campus	1. Abenir, Rosano Jr G 2. Delen, Conrado Jr O 3. Ferrancullo, John Dave A. 4. Flores, John Emmanuel V. 5. Fronda, John Paul L. 6. Mesajon, Ronvie G.
6. Compressive strength of concrete using pulverized abaca as additives in concrete mixture	1. Ferranco, Daphne S. 2. Forcado, Keirleen Joy F. 3. Gacu, Joshua M. 4. Lachica, Mary Jan E. 5. Magallanes, Moyses C. 6. Santiago, Merry T. 7. Vicente, Charity Joy S.

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MECHANICAL ENGINEERING	
Title	**Student Researchers**
1. Design and fabrication of mechanical portable charcoal-fired dryer	1. Casiple, Francis 2. Soledad, April Joy 3. Magsisi, Joshua 4. Caya, Joy Ann
2. Design and fabrication of seaweeds drying machine	1. Alcos, Jude Michael 2. Fos, Renel Jan M. 3. Galario, Sarah Joy F. 4. Manzo, Reyna M.
3. Design and fabrication of malunggay leaves dryer	1. Candelaria, Ernesto R 2. Fornal, Ezekiel James 3. Musa, John Mar M. 4. Sarito, Michael M.
4. Design of a piezoelectric pathway as an alternative source of electricity	1. Macabenta, Bryan 2. Dela Vega, Zyre 3. Solis, J-Mari 4. Rey, Justine Paul
5. Design and fabrication of a 2-stage organic and agricultural waste shredder	1. Espiritu, Kenneth 2. Fabro, Nick 3. Fadri, Norbert Steve 4. Galisanao, Nico
6. Design and fabrication of a roller-type coconut dehusking machine	1. Balco, Nikko G. 2. Cahilig, Alexis M. 3. Galos, Lester 4. Ignacio, James Kenneth
7. Design and development of a water fuel generator by electrolysis	1. Galanao, Joel A. 2. Galicia, Joriel C. 3. Malupa, Jude M. 4. Reyes, Mar Christian G.
8. A design of an automatic onion and garlic slicer with coconut grater	1. Vicente, Elvin M. 2. Berja, Paul Albert 3. Golpeo, Nikko 4. Fiedacan, Karen
9. Design and fabrication of manually operated paper recycling machine using disposable paper cups as the raw material	1. Maestro, John Philip 2. Manito, Rexie 3. Gaa, Erben Menard

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ELECTRICAL ENGINEERING	
Title	**Student Researchers**
1. Design and construction of solar powered automatic drip type irrigation system (SPADTIS) for greenhouses with SMS controlled triggering system	1. Cangson, Allana Alain M. 2. Ferriol, Karren Anne F. 3. Gabute, Avegaile F. 4. Gabay, Fernand
2. Automated home burglar system for thief using SMS device using arduino software	1. Alcoa, Jude Michael 2. Fos, Renel Jan M. 3. Galario, Sarah Joy F. 4. Manzo, Reyna M.
3. Ultra-fast acting electronic circuit breaker	1. Amar, Aiza 2. Concepcion, Allen Mark 3. Espedido, Mark Jayson 4. Victoriano, Arnel
4. Water level detection system warning device through radio communication	1. De Castro, Kim George 2. Falsia, Christian 3. Fetalver, Dale 4. Fernando, Leo
5. Automatic transfer switch (ATS) for generator using Arduino System	1. Faderogaya, John Lee 2. FEtalver, Cristian Chel 3. Frojo, Michael 4. Gutan, Japhee 5. Tiburania, Ryan Ceasar F.
6. Design and fabrication of mechanical portable charcoal-fired dryer	1. Falogme, Jonas 2. Ayate, Mark Anthony 3. Caro, Nikko Paul 4. Alfaro, Jovi
7. Low cost automatic water level control for domestic applications	1. Bastillador, Aison 2. Soliven, John Vincent 3. Monsales, Rene Boy 4. Gelito, Evan 5. Monsanto, Christine
8. Design and development of an Arduino based heat index monitoring device	1. Anda, Irwin 2. Leocadio, Lawrence B. 3. Manlolo, Arvi Joy 4. Salvador, Jerome
9. Wireless video surveillance robot using Arduino	1. Camposano, Nasario 2. Selodio, Dexter John 3. Lorcha, Marvin Joshua 4. Zuela, John Davin 5. Dela Cruz, Arman
10. Footstep generated power system: converting force energy into electrical energy	1. Motin, Jade 2. Fadriquel, Kelvin 3. Solabo, Raymark 4. Tolentino, Ariel Luis
11. A small portable (PV) system for camping and emergency	1. Feudo, Jestoni 2. Ortiz, Ma. Joenella 3. Riano, Mark John 4. Minerales, Tommy

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12. The effectiveness of smart isolated cell sites in Tablas Island in the Province of Romblon	1. Reyes, Samuel 2. Tagalog, Joel 3. Gamul, Jayro 4. Tolentino, Steve 5. Fetalsana, Ralphee