# List of Final Project of Civil Engineering I

## CIVIL ENGINEERING

| | last name and names of the student | Title of the project | Description | Surnames and names of the adviser |
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| 1 | Andrades Bernuy, Sun Alexandra | Design of a bioclimatic house to increase thermal comfort in high Andean areas, through the use of insulating materials. | Designs of a bioclimatic house in the region to increase thermal comfort in high Andean areas, through the use of insulating materials. | Valencia Gutierrez, Andrew |
| 2 | Ramos Reyes, adriane diana Calderon Rock, Gilson George | Design of the Chuspicocha dam to reduce disaster risks in Huancayo. | I design the Chuspicocha dam to avoid disaster risks in the city of Huancayo, in order to protect the population from water, through the use of computer tools. | Valencia Gutierrez, Andrew |
| 3 | Garcia Palaces, allan | Concrete design with natural fibers of organic origin to improve compressive strength | Concrete design with natural fibers of organic origin in order to improve the resistance to compression through laboratory tests. | Valencia Gutierrez, Andrew |
| 4 | Estelo Gamarra, Rony Verastegui Lopez, Jorge | Concrete with brick dust plus calcium silicate as an alternative to conventional concrete. | Manufacture of concrete with brick dust plus silicate in order to replace cement in conventional concrete through laboratory tests. | Valencia Gutierrez, Andrew |
| 5 | Meza Zamalloa, diego leonardo Puicon Tueros, kevin joel | Design of reinforcement structures for the María Auxiliadora hospital in order to improve its structural pathology. | Design of structural reinforcements for the María Auxiliadora Hospital in order to improve its Structural Pathology, using computer tools. | Valencia Gutierrez, Andrew |
| 6 | Carrozo Chavarria, edward michel Bahamonde Romero, Ivan | improvement of physical-mechanical properties of lightweight concrete, adding wood shavings into your design. | Addition of wood chips to the concrete design in order to improve the physicomechanical properties of lightweight concrete through laboratory tests. | Valencia Gutierrez, Andrew |
| 7 | Torres Madrid, Stefani Leila Saldana Arellana, Jorge | Reduction of the risk of land displacement, to avoid human and material losses of the Los Rosales - Puente Piedra housing association. | Reduction of the risk of landslides on the hill of the Los Rosales housing association, Puente Piedra in order to avoid human and material losses through gabion walls. | Valencia Gutierrez, Andrew |
| 8 | Olivares Huaman, Aliss | Effectiveness of a sheet pile wall design in preventing erosion coastal areas in critical areas of the Costa Verde. | Determination of the effectiveness of a sheet pile wall design in avoiding coastal erosion in areas of the Costa Verde. | Valencia Gutierrez, Andrew |
| 9 | Huaman Hinostroza, Carmen mendoza padilla Esteban | Comparative analysis of the behavior of the concrete using IP-Yura pozzolonic cement and white cement, adding rice husk ash. | Carrying out the comparative analysis of the IP-Yura Pozzolon cement concrete and white cement to determine their properties through laboratory tests with the purpose of evaluating their performance and opting for the best suitable element for a given work. | Valencia Gutierrez, Andrew |

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| 10 | Landeo Sanabio, Christian Giovanni | Influence of pineapple leaf fiber on the concrete properties. | Determine the degree of influence of the pineapple leaf fibers in the 210° concrete. | Oblitas Santa Maria, Juan Manuel |
| eleven | Sandoval Quispe, Jennifer Kari | Proposal and implementation of water filters | Development of soil mechanics laboratory tests for the sand characterization for drinking water filters in the Gloria, Trapiche and Cieneguilla quarries. | Oblitas Santa Maria, Juan Manuel |
| 12 | Urrutia Durand, Rodrigo Angelo | Influence of the addition of coconut fiber on the resistance of concrete | The Influence of the addition of coconut fiber on the compressive strength of concrete of 210 Kg/cm2. | Oblitas Santa Maria, Juan Manuel |
| 13 | Flores Montoya, Jean-Ferrari Leon Acosta, Fernando Jesus | Optimization of mechanical properties of concrete F'C=210 kg/Cm2 adding SBR rubber. | The influence of SBR rubber on the mechanical properties of concrete F'C=210 Kg/cm2 in order to optimize them. | Oblitas Santa Maria, Juan Manuel |
| 14 | Jimenez Lopez, Ivan Gora Espinoza, Dayvi Brayan | The influence of polyester macro fibers on the properties of concrete at F'C=210 kg/Cm2 for rigid pavements. | The influence of macrofiber on the properties of concrete F'C=210 Kg/ cm2, through laboratory tests. | Oblitas Santa Maria, Juan Manuel |
| fifteen | Villanueva Cave, Edwin Jesus | Comparative analysis of the structural behavior between the MDL system and confined masonry to optimize the design of a six-story multi-family dwelling in the Rimac district. | Analysis of which of the structural systems offers a better structural behavior to optimize the structural design of a six-story house. | Oblitas Santa Maria, Juan Manuel |
| 16 | Tito Pizarro, Arom miranda Vilcapoma, Marla | Comparative study between gallery systems of filtration and deep wells in the water collection stage to optimize the irrigation system in the town of San José de los Molinos. | Comparison of which of the two water collection systems is optimal for the irrigation system in the town of San José de los Molinos. | Oblitas Santa Maria, Juan Manuel |
| 17 | walls rivers, rolando | Feasibility study to determine the viability of the real estate project "Las Gemelas" in Santa Anita | Feasibility study to know the viability of the real estate project "Las Gemelas" in Santa Anita. | Oblitas Santa Maria, Juan Manuel |
| 18 | Laura Palomino, yone christina Medina Becerra, Stefany Dallana | Incidence of the cationic emulsion on the Physical-Mechanical properties of the Asphalt pavement recovered (RAP). | Cationic emulation in the Physical-Mechanical properties of reclaimed asphalt pavement (RAP). | Oblitas Santa Maria, Juan Manuel |
| 19 | Vera Novoa, Rodrigo | Evaluation of the state of conservation of the pavement with the method*Pavement condition index*(PCI) of the Javier Prado avenue section between La Molina avenue and Flora Tristán avenue. | Determination of the state of conservation of the pavement of the section Av. Javier Prado between Av. La Molina and av. Flora Tristán using the PCI method. | Oblitas Santa Maria, Juan Manuel |

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| twenty | Medina Cabrera, Kevin Amberley die gomez wilmer david | improvement of mechanical properties of concrete for rigid pavements using fibers in Lima. | Determination of the relationship between steel fibers and the mechanical properties of concrete designed for rigid pavements in Lima. | Oblitas Santa Maria, Juan Manuel |
| twenty-or | Larota Espinoza, Carlos Enrique Ramirez Villavicencio, John Josue | Influence of cast iron shavings on the mechanical properties of concrete F'C=210 Kg/cm2. | Determination of the influence of the cast iron shavings if we use the percentages of 8% and 15% in the mechanical properties of the concrete F'C=210 Kg/cm2. | Oblitas Santa Maria, Juan Manuel |
| 22 | Rocha Arriola, Fabrizio Alexander | Comparative analysis of the Terramesh and ErdoX systems for slope stabilization in the Ayancocha-Huaylla sector, km 213, located in the district and province of Ambo. | Comparative analysis to help determine the best option for Slope stabilization between the Terramesh and ErdoX Systems, which will help determine the best option for Slope stabilization in the Ayancocha-Huaylla sector, Km. 213. | Oblitas Santa Maria, Juan Manuel |