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|  USMP <small>FACULTAD DE INGENIERÍA Y ARQUITECTURA</small> | SCHOOL OF ENGINEERING AND ARCHITECTURE | Year: 2018 |
| | PROFESSIONAL SCHOOL OF CIVIL ENGINEERING | Semester: 2018-I |

List of Final Project of Civil Engineering I

CIVIL ENGINEERING

| | last name and names of the student | Title of the project | Description | last name and names of the adviser |
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| 1 | Alvarado Romero, Jose Daniel Mitma Huaraca, Saul Alfredo | Implementation of a system of management of job security in a company of facilities sanitary in households multifamily. | Design an occupational health and safety management system, under the requirements of the OHSAS 18001 standard in the process of sanitary facilities for the company ICAGMA SAC in such a way that it is built with the well-being of workers, helps minimize risk factors to those that are exposed day by day by their employees, and collaborators with the improvement of productivity. | Oblitas Santa Maria, Juan Manuel |
| 2 | Anasco Quiro, John whuilar Tenorio Bautista, Miguel Angel | Proposals for the solution of the traffic congestion on Próceres de la Independencia avenue in San Juan de Lurigancho | Identify the Causes of the vehicular congestion and propose solutions to what was mentioned above on Avenida Próceres de la Independencia in order to provide good user comfort. | Oblitas Santa Maria, Juan Manuel |
| 3 | Mayhua Benavides, Christian Joel Llerena Villacrez, Derian | Gray and rainwater collection system in urbanization with an area for its respective treatment in the district of Pimentel – Chiclayo – Lambayeque | Proposal to optimize the reduction of water service expenses, in such a way to raise awareness among the population to give a reuse to the gray water evacuated in their sanitary conduits. | Oblitas Santa Maria, Juan Manuel |
| 4 | Roque Ballarta, Bryan Tovar Zevallos, Jorge | Develop a high-strength concrete using graphene as additive nanotechnology to improve the mechanical properties of concrete | Proposal to determine the influence of graphene on concrete mechanical properties. | Oblitas Santa Maria, Juan Manuel |
| 5 | Rodriguez Gonzales, Elmer Erick Saul Bellido Luna, Frank | Comparative study for the replacement of type V portland cement by type HS pozzolanic cement in the sanitation work Víctor Raúl Haya de la Torre scheme. | Determine the physicochemical properties of a Type HS Portland cement, in order to determine if supplementing if supplanting Type V is viable. | Oblitas Santa Maria, Juan Manuel |
| 6 | Green Huaman, Joseph Kevin | Structural and Economic Comparison of a building with 05 floors and a semi-basement under the framed, DUAL and MDL systems in SMP. | Implement safety management system according to the OHSAS 18001:2007 standard for the construction company Johesa Constructores SRL. | Oblitas Santa Maria, Juan Manuel |
| 7 | Ñahui Rojas, pamela | Proposal for a health and safety manual for informal building works | Make a proposal for a health and safety manual for informal building works that guarantees the physical integrity and health of its workers are these hired | Oblitas Santa Maria, Juan Manuel |

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| Elaboration: Ing. Jhony Marín Vásquez August 2018 | Revision: Ing. Rubén Cuadros Ricra September 2018 | Approval: Ing. Rubén Cuadros Ricra September 2018 |
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| | | | directly or subcontracted, and any person who has access to the work, as well as the conservation of the Environment. | |
| 8 | Rea Mallqui, christian Yacavilca | Structural study of the study pavilion FIA guidelines for the installation of a green roof | Determine the structural feasibility of the General Studies pavilion of the Faculty of Engineering for the installation of a green roof. | Oblitas Santa Maria, Juan Manuel |
| 9 | Jacay Astubillo, Keren Angie | Design of dikes for active streams: Pedregal active: Pedregal - Chosica | Propose the design of dikes in the ravine so as to prevent disasters in the areas surrounding the Pedregal - Chosica ravine. | Oblitas Santa Maria, Juan Manuel |
| 10 | Frank Pacheco, Gustavo Ferdinand | Study of road geometry by the DG-2018 standard to reduce travel times on the Sunday Orué - Lima road axis (2018) | Verify if the geometric redesign of the Sunday Orué road axis will decrease travel times. For this, a redesign of the road geometry must be proposed using the DG-2018 standard of the Ministry of Transport and Communications. | Oblitas Santa Maria, Juan Manuel |
| eleven | Gonzales Rojas, Santa Maria Mejia Carrillo, Iron Steven | Water supply design project drinking water and sewerage design of the town of Condormarca | Carry out the drinking water supply project and the design of sewerage of the town of Condormarca - La Libertad. | Oblitas Santa Maria, Juan Manuel |
| 12 | Mamani Panduro, christian jonathan | reduction of Vulnerability due to the rise of the Chillón river in the La Rinconada Urbanization located in the district of Carabayllo. | Determine the vulnerability in the urbanization "La Rinconada" - Carabayllo District due to the rise of the Chillón River. | Oblitas Santa Maria, Juan Manuel |
| 13 | Llanos Ramirez, Jordy Jesus | Proposal for a safety management system under the OHSAS18001 standard for the company JOHESA srl builders | Implement a safety management system according to the OHSAS 18001:2017 standard for the construction company Josa Constructores SRL. | Oblitas Santa Maria, Juan Manuel |
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| 14 | Washed Lopez, Carmen Julia Betzabe | Ecolodge in the central jungle and man-nature interaction | Design an eco-friendly lodging center in the jungle box to seek the interaction of man with nature. | Andres Avelino Valencia Gutierrez |
| fifteen | Yangali Painted, Linda Steffi | Design of concrete blocks with polyterephthalate (PET) aggregate and the improvement of its physical and mechanical properties | Design concrete blocks for bearing walls of a residential building in order to improve their physical and mechanical properties by adding polyterephthalate aggregates. | Andres Avelino Valencia Gutierrez |
| 16 | Apolaya Rodriguez, Victor Oswaldo | Water treatment served on the southern beaches of Lima with Self-cleaning Biodigester | Expand wastewater treatment in the south where there are no water treatments and progressive reduction of pollution caused by the effect of wastewater discharges in the beach areas of southern Lima. | Andres Avelino Valencia Gutierrez |
| 17 | Salazar Salazar, Jimena | Structural reinforcement for houses self-constructed applying the E-030 standard San Juan de Miraflores district | Structurally reinforce the self-built houses in the San Juan de Miraflores district, in order to improve their seismic performance, through the E-030 technical standard | Andres Avelino Valencia Gutierrez |

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| Elaboration: Ing. Jhony Marín Vásquez August 2018 | Revision: Ing. Rubén Cuadros Ricra September 2018 | Approval: Ing. Rubén Cuadros Ricra September 2018 |
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| August 2018 | September 2018 | September 2018 |