
 USMP <small>UNIVERSIDAD DE SAN MARTÍN DE PORRES</small> <small>FACULTAD DE INGENIERÍA Y ARQUITECTURA</small>	SCHOOL OF ENGINEERING AND ARCHITECTURE	Year: 2020
	PROFESSIONAL SCHOOL OF CIVIL ENGINEERING	Semester: 2020-II

Civil Engineering II Final Project List

CIVIL ENGINEERING


	last name and names of the student	Title of the project	Description	Surnames and names of the adviser
1	Barboza Lozano, Godfrey lion lawns, Karlo Andres	Implementation of the BIM methodology for the optimization of material resources in the items of structures for the work: "The Classic", San Isidro - Lima.	Implement the BIM methodology within The Classic work, thus allowing an optimization of material resources in the structural part of The Classic work, San Isidro-Lima.	Oblitas Santa Maria, Juan Manuel
2	Caceres Chillasco, andres avelino	Seismic vulnerability of the housing association FDICSS - Cusco 2020 using the Italian method	Analyze the seismic vulnerability of the housing association FDICSS - Cusco 2020, using the Italian method	Oblitas Santa Maria, Juan Manuel
3	Arauco Castle, Josselyn Mary Brenis, Aylin Paola	Hydrological and hydraulic modeling for the determination of the vulnerability of highway bridges, case: Llican bridge, Cacachaqui sector, Matucanalima.	The great need that is occurring in various rural areas due to the riverbed forces the generation of digital modeling, in order to avoid that when the maximum levels of river flow occur, there is scour in the pillars-abutments of the bridges that are above them. It is important what we must ask ourselves, to what extent will hydrological and hydraulic modeling influence the determination of the vulnerability of highway bridges, Case: Llican bridge located in the sector of Cacachaqui, Matucana-Limto	Oblitas Santa Maria, Juan Manuel
4	Castle Huapaya, Javier Joe cardenas Cordova Francy Jampol	Design of a cycle path that unites the districts of the province of Concepción to improve the transitability and safety of cyclists from Concepción - Junín	Design a bicycle path that interconnects the surrounding districts to improve the transitivity and safety of the inhabitants of Concepción-Junín.	Oblitas Santa Maria, Juan Manuel
5	Cross Crossed, Maria Alejandra Torres Perez, hesmayler	YOImplementation of the balance sheet tool in the improvement of the labor productivity in the execution of the work "Ermelinda Carrera", district of San Miguel, province of Lima, department of Lima.	Implement the CARTA BALANCE tool to improve the productivity of the execution of the work "ERMELINDA CARRERA".	Oblitas Santa Maria, Juan Manuel
6	davila Fields of Miracles from Carmen	Construction waste management plan for the environmental conservation atmosphere in the district of Pucala	Determine the construction waste management plan for environmental conservation in the district of Pucala.	Oblitas Santa Maria, Juan Manuel
7	Flores Diaz, Maria	Design proposal	Propose a geometric design for the	Oblitas Santa Maria,

Elaboration: Ing. Jhony Marín Vásquez January 2021	Revision: Mr. Arnaldo Falcón Soto February 2021	Approval: Mr. Arnaldo Falcón Soto February 2021
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 USMP FACULTAD DE INGENIERÍA Y ARQUITECTURA <small>UNIVERSIDAD DE SAN MARCOS</small>	SCHOOL OF ENGINEERING AND ARCHITECTURE	Year: 2020
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	Claudia Quiroz Custodio, Sarai Phaedra	geometric for him improvement of traffic at the roundabout of the north pan-american highway and José María Escrivá de Balaguer avenue	improvement of traffic at the roundabout at the intersection of the Panamericana Norte highway and Av. José María Escrivá de Balaguer	Juan Manuel
8	Huamani Flores, Vanessa Light Toast Revollar, Miracles Arlett	Study of a 6-story multi-family building with a green roof in Surquillo at the level of construction costs and structural design	Determine the influence of structural analysis complying with standards E-060-2010, E-030-2018, ACI 440.2R-08 and cost analysis in the structural design of a 6-story Multifamily Building with a green roof - Surquillo.	Oblitas Santa Maria, Juan Manuel
9	Huapaya Squire, Charles Xavier Vigo Vargas, Sixto jean franco	Proposal for a systematized homologation valuation method to estimate the commercial value of single-family homes located in the northern area of the La Molina district	Propose a systematized homologation valuation method to estimate the commercial value of single-family homes located in the northern area of the La Molina district, in order to obtain a fairer and more appropriate market price.	Oblitas Santa Maria, Juan Manuel
10	Fill Parties, Luis Italo	Design of tracks and sidewalks in the urbanization "el pescador" district of San José - province of Lambayeque - Lambayeque department - period	When carrying out a comparative study of the three types of pavements, it could be determined that the type of rigid pavement would be the best alternative according to the best response to the aggressive type of terrain in the URBANIZATION "EL PESCADOR" DISTRICT OF SAN JOSE - PROVINCE OF LAMBAYEQUE - DEPARTMENT DE LAMBAYEQUE - PERIOD OF 2020", which presents salinity, proposing adequate conditions for vehicular and pedestrian traffic.	Oblitas Santa Maria, Juan Manuel
eleven	Oblitas Lumps, john whitman	Structural design of a cultural center in the city of Cutervo, using post-tensioned slabs	Apply the design of post-tensioned slabs in the formulation of the cultural center project in order to achieve large light environments and improve execution costs with an adequate construction process, avoiding during its execution that it brings consequences such as additional ones or the extension of the term, said project its point of application is the province of Cutervo.	Oblitas Santa Maria, Juan Manuel
12	Ollica Umasi girl, Moses	The influence of water temperature on the resistance of concrete $f'c=210\text{kg/cm}^2$ during its manufacturing process in the district of Cerro Colorado, Arequipa-2021	Analyze to what extent water temperature influences the resistance of concrete $f'c=210\text{kg/cm}^2$ during its manufacturing process in the district of Cerro Colorado, Arequipa-2021	Oblitas Santa Maria, Juan Manuel
13	Ontaneda apple orchards, oscar	evaluation of structural behavior of a 3-story building using the seismic performance methodology	Analyze the structural behavior of a 3-story building, located in the city of Lima, using the seismic performance methodology; in order to establish a basis for future research.	Oblitas Santa Maria, Juan Manuel
14	spider bridge, oscar	Design of a 25 meter span industrial building with H beams for	Design a 25m span industrial warehouse with H beams for the park project	Oblitas Santa Maria, Juan Manuel

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	Fernandez Tapia, Jesus	he project of park industrial Ancon	industrial plant in Ancón that meets the technical requirements in Peru.	
fifteen	Quiro Carrasco Tony Anderson	Calculation of the state of the flexible pavement by the "Pavement Condition Index" method in the army avenue, province of Arequipa	Determine the state of the flexible pavement of the army avenue obtained by the surface evaluation with the PCI method.	Oblitas Santa Maria, Juan Manuel
16	Sanchez Agurto, Cesar Mauricio	Panel partition design proposal prefabricated with polyurethane applied in the Peruvian jungle	Design and manufacture a prefabricated sandwich panel for partition walls that serves as a viable constructive alternative compared to traditional partition walls.	Oblitas Santa Maria, Juan Manuel
17	Sanchez Melo, Gustavo Adolfo	The international roughness index (IRI) for the determination of the pavement serviceability in university avenue, Lima, Peru, 2020	Determine the Serviceability Index through the International Roughness Index on Avenida Universitaria in Lima, Peru-2020.	Oblitas Santa Maria, Juan Manuel
18	Tacora Espinoza, hilda victoria Benancio Rods, Luis Antonio	Hydrological modeling to improve the management of the operation of the Gallito Ciego dam on a daily basis	Prepare hydrological modeling to improve the management of the operation of the Gallito Ciego dam on a daily basis	Oblitas Santa Maria, Juan Manuel
19	Aryan towers, Giancarlos Valentin Cahuana, Luis Alberto	Evaluation of the seismic vulnerability of the buildings located on block 2 of Jr. Amazonas in the Cercado district of Lima, using the method index of vulnerability	Evaluate the seismic vulnerability of the warehouses located on block 2 of Jr. Amazonas in the district of Cercado de Lima using the FEMA Method 154.	Oblitas Santa Maria, Juan Manuel
twenty	Valdarrago Arias, lindsay emily Vasquez Cachay, Daniel Alex	Biosafety and health plan at work in the stage of earthworks and preparation of the land (excavation) in the construction site of the villa gardens of the San José construction company in the framework of the health emergency due to covid-19, 2020	Describe the Biosafety and Occupational Health Plan in the soil movement and land preparation (excavation) stage of the Los Jardines de Villa construction site of the San José construction company, within the framework of the health emergency caused by COVID-19. 19, 2020	Oblitas Santa Maria, Juan Manuel
twenty-or	Velasquez mount, Bradmir Edison	Geometric design of the overpass at the intersection of the avoidance road and the aviation avenue to improve vehicular traffic in the Cerro Colorado-Arequipa 2020 district.	Determine how the geometric design of the overpass at the intersection of Evitamiento road and Aviation Avenue will influence to improve vehicular traffic in the Cerro Colorado-Arequipa district.	Oblitas Santa Maria, Juan Manuel
22	shoe Castaneda, Valeria Alexandra	Level crossing proposal to optimize the trafficability of: Pomalca highway, av. Jorge Chavez, Mesones Muro, Mariscal Nieto and Av. Fitzcarrald	Make a level crossing proposal for: Pomalca highway, Av. Jorge Chávez, Mesones Muro, Mariscal Nieto and Av. Fitzcarrald to improve the walkability	Oblitas Santa Maria, Juan Manuel

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