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

# 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
1	Aguayo Farfan, Sushyl Leidy fernando ocsa gonzales	Drainage design proposal for runoff in the Zevallos - Cristo Blanco passage, Miraflores, Arequipa 2020	The drainage design for the runoff in the Cristo Blanco passage, Miraflores-Arequipa will be proposed.	Oblitas Santa Maria Juan Manuel
2	Apaza Ramos.Luis Francisco Momani Luque, Luis Francisco	consequences of covid-19 pandemic in the construction sector and its effects on the future	Determine how the construction sector has been affected by the covid-19 pandemic and what alternatives we can take to prevent it from happening again.	Oblitas Santa Maria Juan Manuel
3	Apaza Coaquira, Jose Javier	AND assessment of the structural resistance of a house to determine its seismic vulnerability in the district of Cerro Colorado - Arequipa.	Evaluate the seismic resistance of a multifamily house located in the district of Cerro Colorado Arequipa-Arequipa.	Oblitas Santa Maria Juan Manuel
4	Ayon Luna, John Roger  Roncal Sanchez, louis gianfranco	Application of the lean construction methodology for optimize the earthmoving process in Besco's "la Alameda Rimac" project.	Demonstrate that the application of Lean Construction will optimize the Earth Movement process for the Alameda - Rímac work.	Oblitas Santa Maria Juan Manuel
5	Balladares Pizarro, michael santiago José	Design of a sanitary landfill to improve the final disposal of solid waste in the district of Yorongos, province of Rioja, Department of Saint Martin	Carry out an adequate design of a sanitary landfill that allows improving the final disposal of solid waste in the district of Yorongos, Province of Rioja, Department of San Martin.	Oblitas Santa Maria Juan Manuel
6	Guzman Agurto, Giancarlo Octavio  Bustillos Cave, mario santiago	Design of water supply network drinking water for the town of Jesús María, La Arena-Piura district.	Design a drinking water supply network to meet the demand needs of the population of Jesús María, district of La Arena Piura.	Oblitas Santa Maria Juan Manuel
7	Bustos Espinoza Ferdinand Jose	Benedetti-Petrini method to know the seismic vulnerability within the Av quadrant. Tacna extension with Jr. Cajamarca - Rímac	Prepare the evaluation by the Benedetti-Petrini method to determine the seismic vulnerability in the quadrant Av. Prolongación Tacna with Jr. Cajamarca in the Rimac District.	Oblitas Santa Maria Juan Manuel
8	Cabellos García, Julio André  Tello Slee,Greece Jasmine	Application of the lean construction philosophy to the planning and execution of the project: "improvement of the educational services of the IEI No. 480 of the AH 9 de Octubre, district of Huarmey,	Determine how the Lean Construction philosophy influences the planning and execution of the project.	Oblitas Santa Maria Juan Manuel

<b>Elaboration:</b> Ing. Jhony Marín Vásquez January 2021	<b>Revision:</b> Mr. Arnaldo Falcón Soto February 2021	<b>Approval:</b> Mr. Arnaldo Falcón Soto February 2021
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		province of Huarmey – Ancash (II stage)"		
9	Calcina Huanque, Katherine  Young Flowers, oswaldo	Influence of the percentage of absorption of the aggregate thickness in the compressive strength of a concrete $f'c = 210\text{KG}/\text{CM}^2$ subjected to accelerated curing by the autogenous method.	Know the possible variations that the absorption percentage of the coarse aggregate in the concrete briquettes may cause when subjected to the compression test if they have been cured by the autogenous method and allow its implementation to NTP 339.213.	Oblitas Santa Maria Juan Manuel
10	Carcausto Vega, Edson Bruner  Mamani of the Rios, Susan	Influence of the addition of eucalyptus leaf ash on the resistance of a concrete $f'c = 210\text{kg}/\text{cm}^2$ . Arequipa 2020	Determine the influence that the addition of eucalyptus leaf ashes has on the resistance of concrete $f'c = 210\text{kg}/\text{cm}^2$ . Arequipa.	Oblitas Santa Maria Juan Manuel
eleven	carhuavilca Rivera sources, Piero  hernandez Rodriguez, Brian	Measurement of the state of the pavement by means of roughness using mobile application	Demonstrate the poor condition of the Javier Prado pavement from Av. Aviación to the road Avoidance.	Oblitas Santa Maria Juan Manuel
12	Cari Cahua, Yimmy Aldair  Yujra Mamani, Ronald Freddy	improvement of bearing capacity of the soil through the use of recycled polymers on the unpaved road of "the curve" of the district of Mejía-Islay- Arequipa 2020	Improve the subgrade of low bearing capacity through the use of recycled polymers in "the curve" of the District of Mejía-Islay- Arequipa 2020.	Oblitas Santa Maria Juan Manuel
13	Castro Mamani marghot	Seismic risk assessment of educational buildings in Majes	Determine the structural behavior and contribute to the mitigation of disasters in secondary school premises in the presence of a seismic event.	Oblitas Santa Maria Juan Manuel
14	Chavez Guerrero, Daniel Enrique  Mendoza Corcuera, Jhadir Alexander	Affection of covid-19 on the yields and progress of the project work "Improvement of the urban environment of Av. Bauzate and Meza section: Av. Paseo de la Republica and Av. Mexico, La Victoria district, Lima – Lima" CU n°2279365."	Determine the influence of the new protocols and the new directives imposed by the government for the works in labor performance.	Oblitas Santa Maria Juan Manuel
fifteen	Cordova Nunez, Paulette Hillary.  Llanos Ayala, Max Alonso.	Comparison of analysis of seismic vulnerability in a building, between conventional design and design using energy dissipators for a severe earthquake in the city of Chiclayo.	Analyze the seismic vulnerability of a building through the comparison between the conventional design and the design using energy dissipators.	Oblitas Santa Maria Juan Manuel
16	Cortez Cespedes, Sebastian  Mendoza Cabrera, Sergio Luis	Comparative analysis between the traditional design of pavements with the design with geogrids	Study the effectiveness of pavement design when applying the use of geogrids.	Oblitas Santa Maria Juan Manuel

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17	Delgado Cotrina, ethel francesca  Sanchez Bravo, john carlos	Influence of the BIM methodology on the parameter (ROI) in IE 10940 "San Isidro Labrador" Morrope - Lambayeque.	Determine the influence generated by the BIM methodology in the economic parameter ROI of the IE 10940 "SAN ISIDRO LABRADOR	Oblitas Santa Maria Juan Manuel
18	Flores Farfán, Lulai Naoto	Informative thesis on the function, importance and type of use of seismic isolators	The general objective of this thesis is "Carry out research on the function, importance and type of use of seismic isolators.", from this point to promote its use in future buildings.	Oblitas Santa Maria Juan Manuel
19	Gallegos Condori, Jorge Ronaldo	Influence of the implementation of BIM in the design and construction processes of the company J&D Arequipa	Implement the BIM system (Revit) in the J&D company and improve the design and construction processes.	Oblitas Santa Maria Juan Manuel
twenty	Gamarra Caradena, Kelvins  Meza Orue, Yoe	Analysis of water vulnerability to extraordinary rain events to determine risk levels in the Vilcanota river basin, Sicuani-San Pedro-Cusco section.	Determine the level of risk based on water vulnerability and soil erodibility in the face of extreme rainfall events in the Vilcanota river basin, Sicuani-San Pedro section, Cusco.	Oblitas Santa Maria Juan Manuel
twenty-or	Grandez Escalante, Leonardo Mattias	reinforcement in the flexible paving in critical areas with PET sheets at the intersection of av. the mill with av. Javier Prado East	To determine if a PET sheet would improve the load distribution and the mechanical properties of the flexible pavement so that it supports the schedules with the greatest traffic congestion.	Oblitas Santa Maria Juan Manuel
22	Lizarbe Taípe, Jordy Angelo  Tacas Garcia, grace	Use of synthetic rubber as an additive to improve the durability and mechanical properties of rigid pavements of f'c 280 kg/cm <sup>2</sup> in Lima.	Determine the influence of synthetic rubber on the durability and mechanical properties of rigid pavements of f'c 280 Kg/cm <sup>2</sup> in the city of Lima.	Oblitas Santa Maria Juan Manuel
23	Luna Thomas, John Manuel	Influence of grade 75 steel on the design amounts in reinforced concrete structures in metropolitan Lima	Demonstrate the influence that sustains the use of grade 75 steel rods in the design amounts in reinforced concrete structures.	Oblitas Santa Maria Juan Manuel
24	Porto Romero, Jean Pierre  Ttito Amezcuita, Nicholas	Road safety plan in the black spots of the city of Arequipa	Determine to what extent a road safety plan favors the black spots in the city of Arequipa.	Oblitas Santa Maria Juan Manuel
25	Ponce Falcon, edinson	cement application portland type i and lime in clayey soils to improve their stabilization on the roads of the province of Leoncio Prado	Determine the influence of cementitious materials, such as Type I Portland cement and lime, in the stabilization of a clay soil on roads in the province of Leoncio Prado.	Oblitas Santa Maria Juan Manuel
26	humanchumo Leiva, Aberto Frank	Risk assessment before the occurrence of alluvium due to the activation of the Diablo ravine in the city of Tacna, Peru.	Determine the level of risk before the occurrence of alluvium due to the activation of the Quebrada del Diablo in the city of Tacna, Peru.	Arrieta Freyre, Javier Eduardo
27	medina porroa, Einer Joshua	Construction and demolition waste (RCD), a	Present the panorama for the adequate management of the RCD of one of the	Arrieta Freyre, Javier Eduardo

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		perspective of use for the city of Cusco from its management model	most important cities in Peru, Cusco	
28	Ruiz Chavez, David Ferdinand  Ruiz De La Cruz, David Alfredo	Pdesign proposal for an overpass at the intersection of Aangamos Avenue with Republic of Panama Avenue to improve the fluidity of vehicular traffic	Prepare an optimal design proposal for the overpass to improve the fluidity of vehicular traffic, at the intersection of Avenida Angamos and Avenida República de Panamá.	Arrieta Freyre, Javier Eduardo

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