

 <b>USMP</b> <small>UNIVERSIDAD DE SAN MARTÍN DE PORRES</small> <small>FACULTAD DE INGENIERÍA Y ARQUITECTURA</small>	SCHOOL OF ENGINEERING AND ARCHITECTURE	Year: 2019
	PROFESSIONAL SCHOOL OF CIVIL ENGINEERING	Semester: 2019-I

# 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	Sandoval Cadillo, Hayro Ramos inheritance, Ricardo Martin	Design of a treatment and reuse system for gray water in comas.	Design of a system to collect and treat gray water produced in homes. In such a way that the system can be implemented in the following years.	Arrieta Freyre, Javier Eduardo
2	Gomez farmhouse, Anthony Alonso	Analysis of productivity in the assembly of metal beams applying the Lean Construction philosophy.	Benefits of applying the concepts and tools of the Lean Construction and Work Study philosophies for construction.	Arrieta Freyre, Javier Eduardo
3	Egoavil Cotrina, Joshua Moses Vega Ramirez, Nila Yobana	Mechanical improvement of concrete by including ashes from the combustion of sugar cane.	Design of a concrete adding sugarcane bagasse ashes to determine its influence on the mechanical properties of concrete f'c of 210 kg/cm <sup>2</sup> through tests in the USMP-FIA laboratory.	Arrieta Freyre, Javier Eduardo
4	Ticona Huanca, yesica Poma Gamarra danty	modeling hydrological for the design of channeling walls of the Rímac river, section of the ñaña bridge to the Huachipa bridge.	Estimation of the hydrological and hydraulic conditions for the design of channeling walls of the Rímac river, section of Puente Ñaña to Puente Huachipa.	Arrieta Freyre, Javier Eduardo
5	Ortiz Quispe, Dane Perez Aquisé, stephanie	Compartment of the properties of concrete Made with a local renewable Cabuya resource.	Properties of concrete with the addition of Cabuya fiber to reduce the costs related to the preparation of said concrete and improve them self-constructed houses.	Arrieta Freyre, Javier Eduardo
6	Green Huaman, joseph kevin Reyes Road, Sofia Solange	Structural and economic comparison under the framed and confined masonry systems of a 5-story SMP building.	The design and analysis of two structural systems: framed and confined masonry to know which has a better seismic behavior and to know which is the most economical in order to establish as a construction alternative in North Lima.	Arrieta Freyre, Javier Eduardo
7	Baca Ingar, Diego Andrew Fonseca Zapata, Katherine	Calculation of the vulnerability of the housing system informal in Cieneguilla for reinforcement purposes.	seismic vulnerability. Applying the Benedetti-Petrini method in informal housing in Cieneguilla.	Arrieta Freyre, Javier Eduardo
8	Washed Lopez, Carmen Julia Betzabe	Design of an Eco-Lodge in the district of Río Negro- province of Satipo.	Comparison of the costs in the items of structures between the two proposed projects	Arrieta Freyre, Javier Eduardo
9	Ramos Salazar, Jean Pierre	Comparison of costs of structures between two houses one three levels and another three floors designed for six.	Analysis and designs of an Ecolodge lodging in the district of Rio Negro - Province of Satipo	Arrieta Freyre, Javier Eduardo

<b>Elaboration:</b> Ing. Jhony Marín Vásquez	<b>Revision:</b> Mr. Arnaldo Falcón Soto	<b>Approval:</b> Mr. Arnaldo Falcón Soto
August 2019	September 2019	September 2019