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Undergraduate Research Program

Project Name	Smart Campus
Campus & Location in Mexico	Estado de México
Faculty	Architecture, Art, and Design
Research Area	Urbanism, Sustainability, Smart Cities
Research Responsible	Marisol Ugalde Monzalvo
Description of the Project	New sustainable smart cities require spaces that can cover their citizens' needs. These spaces must give affordable housing, well-connected systems (health, transport, security, privacy, work, among others), other infrastructure systems (sewage and drainage water, potable water, stormwater, fire detection, lighting, waste disposal, public spaces). A smart city is a concept that offers an opportunity to solve health, social, economic, and environmental crisis caused by the new and unknown challenges as the case of COVID-19 virus, that may affect the livability, competitiveness, jobs and quality of life of the citizens; however, it is a lack of a methodology that considers the human, technological and urban processes towards Smart Cities that can support this concept.
Training Provided	Architect, Urbanism, GIS, Civil Engineering

Offered during:

SUMMER

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WINTER

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SEMESTER

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Student

Tasks/Responsibilities	Maps, literature review, citation, data analysis
Required Language Proficiency	oral and written English, oral Spanish
Required Skills and Abilities	data analysis, maps, urban, surveys, IoT, programming
Other Documents	<ol style="list-style-type: none"> 1) Being at least in your 2nd year of bachelor 2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program