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Undergraduate Research Program

Project Name	Innovative therapeutic strategies to prevent severe visual impairment and blindness: nanomedicine and cell therapy approach to limit the ocular tissue damage in common eye disorders.
Campus & Location in Mexico	Monterrey
Faculty	Robotics
Research Area	Robotics
Research Responsible	José Luis Gordillo, Herman Castañeda-Cuevas
Description of the Project	Design and development of Micro Autonomous Vehicles: an Autonomous Micro Air Vehicle
Training Provided	The project requires basis on programming and control, since advanced training oriented to solve the task will be provided.

Offered during:

SUMMER

☐

WINTER

☐

SEMESTER

☒

Student

Tasks/Responsibilities	A Micro Air Vehicle prototype has been built and main microcontroller could be programed to perform a task. The actual goal is to provide it with the ability to fly. a) Program different tasks including several micro drones. c) Review options to include a small camera into the micro drone
Required Language Proficiency	Technical English.
Required Skills and Abilities	Engineering formation.
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