Web Page:	https://studyinmexico.tec.mx/
Contact Information:	studyinmexico@itesm.mx

Undergraduate Research Program

Project Name	Laser Cladding: Research, Modelling and Development
Campus & Location in Mexico	Estado de México
Faculty	Engineering and Sciences
Research Area	Additive Manufacturing
Research Responsible	Dr. Carlos Eduardo Canto Escamilla
Description of the Project	In the project, the students will be involved in the study of the Laser Cladding phenomenon, its modelling using Finite Element Analysis and the development of clads in a novel laboratory, using the latest technology available and getting experience with the industrial metal 3D printing.
Training Provided	Yes, training will be provided.

Offered during:

SUMMER		**WINTER**		**SEMESTER**	X

Student

Tasks/Responsibilities	The students will study and apply physical and engineering principles to model the melt pool formed during the laser cladding phenomenon. The students will get involved directly in the manufacturing of metal pieces using laser beam radiation and metal powders.
Required Language Proficiency	Spanish proficiency is not required and an English medium proficiency is enough.
Required Skills and Abilities	Knowledge of Thermodynamics and Fluids Mechanics.
Other Documents	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