

## IEEE-TESCo STUDENT BRANCH VISITS THE UNIVERSITY OF NEW MEXICO

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The Tecnológico de Estudios Superiores de Coacalco (TESCo) in partnership with the University of New Mexico (UNM), brought a group of 12 students and 4 teachers of this university to attend a course of academic development for three weeks on site UNM.

The process of selection of students was extensive; aspects such as average percentage of loans covered the race and they were active members of the IEEE branch of TESCo were taken into account.

The professors M. in C. Foyo Sergio Valdés, M. in C. Francisco Barbosa Santillan, M. in C. Luis Omar Moreno, Professor of English and Students Fabian Medina Meléndez Vázquez Fidel Martinez Lara Moses Amador Victor Hugo Miranda, Eduardo Tovar Fernando Flores, Hidalgo Ali Joel Madrigal, Espejel Jhosedt Diaz, Ricardo Ramos Ferrara, Alicia Jiménez Brenda Bermudez, Guillermo Linares Urban, Erick Ramirez Damian Gonzalez Quiroz Zaira Sanchez and Rodrigo Guadarrama were chosen by TESCo to take this course.

The authorities of the University of New Mexico and Technological agreed that during the first week of classes FPGA's are addressed, the second week English course and the third week would know the university and would briefings scholarships and opportunities to study UNM.

On 7 February this year, the group departed from the International Airport of Mexico City to the city of Albuquerque, New Mexico, USA, the welcome was very warm by the managers and staff of the UNM.

The first day we met at the University facilities and receive the credential "LOBO" that recognizes us as students of the program and which could make use of the transmission line cost the city without further received a lecture on program activities, review the itinerary 3 weeks and had a welcome lunch with the authorities of the UNM.



FPGA's classes began with a presentation by Dr. Victor Murray, professor at UNM and also researcher's FPGA technology; he was responsible for imparting this course. It began with the description of this technology, its applications and we were provided tutorials and practices that would develop during the week.

The exercises were about the development and programming of inputs and outputs of these devices, counters, and use routines Card Displays. The final project of the course was to obtain and produce images with an FPGA and display them on a monitor, which is developed successfully.



The second weeks was dedicated to the English course, two-hour sessions daily and were taken by two teachers. The first hour grammar, vocabulary and practice exercises are performed, the second hour of audio exercises, readings, discussions were held and the final project ideas

raised by teams. Especially this week helped us practice our English, as being in contact with native speakers of the place we opened our outlook about expressions and idioms of the language, besides practicing with students at UNM.

As part of the outings organized by UNM for the group, the first weekend in the mountains met "Sandia Peak", a famous mountain in Albuquerque extension for having the world's longest cable car and ski areas, bike and snowboard.

The walk was to the top of the mountain aboard this cable car, we mention that we traveled in winter season and the top was completely covered with snow. For the entire group the experience was unique and that being in contact with the snow and to see the view from the top was amazing.



The second trip was to Santa Fe, New Mexico in other province. This place is characterized by the presence of the Indian tribes of the Navajos and their architecture which combines the modern and the contemporary era. In Santa Fe met the house and the oldest church in the United States, we walked the same streets were covered with snow and we visited the gardens and the Cathedral of St. Francis of Assisi.



From the experience at the University we can highlight that the facilities are first class, in the gym, "Johnson Center" had access to the Olympic pool, the tennis courts, racquetball, basketball, and the use of the devices.

Most schools have their own library and the biggest of all is the "Zimmerman" Library are 3 floors and a basement where you can do a literature survey. The Faculties of Arts and Design have their own libraries and video libraries and classrooms practices for design and architecture.

Within the university is the "Popejoy Hall" a great forum shows, there big Broadway productions and cultural events and concerts on offer in Albuquerque are presented. Those in charge of special effects and theater workshop gave us a tour around the forum and met the sound and lighting

technology that occupy for all shows. Be missing lines to describe everything that UNM offers, but we are confident we visited most of their facilities and could be part of the New Mexico Lobos for three weeks.



The last week of our stay we met the scholarship schemes offered by the university as well as options to study a Master degree. Similarly, we contacted the IEEE branch of UNM, we had the opportunity to meet the president of the branch, talked to him about the activities and projects that develop and we were invited by the Branch to an "Open House". This event showed us the



laboratories where they develop for Xbox video games, electronics laboratories, projection and special effects, everyone in the building of Electronics and Computer Engineering at UNM. We thank the members of the Branch inviting us to this expo, for us it was great learning to observe the projects, installations and also get ideas for our institution.



The program ended with the closing ceremony in which team we did a presentation in English of the experiences on our stay as part of the final project of the course. In each presentation each team spoke of their personal experiences and their impressions. Note that these authorities and guests congratulated us for the presentations and the high level that we had purchased. The return was the 27th of February this year, the group departed from the City of Albuquerque to Mexico City right.

For the entire group to have been part of this journey gives us a unique experience, having shared experiences with a foreign university students as well as being part of the customs and daily life from a different country we broadened our outlook both way professional and personal.



We thank the authorities of TESCO, our director Dr. Francisco Olvera Plata and all those who made possible the realization of this trip the support and hope that future generations will be part of this kind of programs that enrich the academic and cultural preparation students.

We encourage students to join IEEE-TESCo SB and likewise to make a good academic record and so they can be part of experiences like this.

We thank the University of New Mexico, Dr. Juan de Dios Pineda, Dr. Eliseo Torres, Alexandra Pelayo and all people at the University who made this unique and unforgettable experience for us.

