



Report on International Experience Program (IEP-2022) at Laurentian University (LU), Canada



International Experience Program is the program where students visit a foreign university in the initial duration of 7th semester and study various subjects of their respective courses. Computer science and Pharmacy students had participated in the International Experience Program 2022 at Laurentian university to be held between 17th of July to 29th of August.

Students traveled in 2 groups on 17th July and 18th July 2022. Our arrival was at Montreal Airport, which was in Quebec province. We noticed that in Montreal people often prefer Speaking French over English. It took nearly 7-8 hours by bus to reach Laurentian University in Sudbury. At the west residence, Allen (Head of West Residence staff) and Mihir (Senior Volunteer) were there for our welcome. Our accommodation was arranged at West Residence, where both girls and boys were given separate apartments in groups of 4 or 6. The apartments had single and twin beds and were facilitated with a kitchen and prerequisites such as AC, study table, dining table, stove, oven, refrigerator, and microwave. We received many facilities in residence such as Wi-Fi, Movie Theater, Laundry, Games room, Study Rooms, Gym. There were vending machines all over campus buildings for quick snacks and refreshment drinks. Majority of students had opted for Lunch only. So for lunch we received delicious Indian Food, Sometimes Italian, Mexican, and Chinese. We prepared dinner on our own. By paying nominal charges for an ID card we get many benefits like access to residence after 11:00 PM. The staff at residence was very polite and attentive.

Orientation was completed in 2 groups, on 18th July and 19th July respectively. In the orientation we were introduced to the Laurentian Security team who were there 24/7 for our help at any place any time on the campus. Moreover there were porters available in residence to help us out with one thing or another. They were a great company for GTU students. They warned us that there are many bears out there in the forest, and we were instructed what to do in these kinds of situations. Even we had a fire drill for quick escape from the building in case of fire. It was a great experience that we had over there in the residence. Across campus there is a private beach which is known as Beach Laurentian. We often used to go swimming and to play volleyball. Our academics started 18th July onwards.

Academics at Laurentian:

Computer Engineering/ IT:

About Machine Learning:

Dr. Kalpdrum Passi taught us Machine Learning in brief by using the presentation and verbal explanations. We worked on an actual project for machine learning. Dr. Passi also gave references on Research Papers. We all gave presentations on research papers, prepared for projects. Dr. Passi always responds to each and every student for doubts, queries, and problems through mail. Among us some students were preparing a Project for our summer internship under Dr. Passi. Examination taken was a subjective, paper based examination, it was based on memories of attending lectures. Dr. Passi ensured students were attending the academics regularly. He made sure all the trips would take place in a joyous, guarded way.

About Mobile Computing & Wireless Communication:

Dr. Ratvindar Grewal taught us Mobile Computing and Wireless Communication (MCWC). Also taught us about UI/UX and Lab was conducted on Android Studio. Here also we worked on an actual project. We made an app for android from scratch. We had Project proposal presentation and final presentation, these sessions were highly interactive where students would ask questions, give suggestions to each other's team. Some students also prepared their summer internship under Dr. Grewal. The mid-term and final both exams were Multiple Choice Questions taken on Scantron Sheets. Dr. Grewal was not only kind and inspiring, he also encouraged students to enhance their creativity and critical thinking.

Pharmacy:

About NDDS (NOVEL DRUG DELIVERY SYSTEM):

Dr. Abdelwahab Omri taught us the subject NDDS (NOVEL DRUG DELIVERY SYSTEM). He is very open minded and super supportive. He has a deep understanding in this subject and

have a great experience in this field. So while teaching he used his practical approach so we can understand the concepts deeply. In class, he often mentioned his works done in this field so that we can learn something new from his works. Talking about his nature, he was so friendly that everyone could freely ask him queries, questions and doubts. Students can contact him via mail for their queries, questions, doubts or any help.

About CADD (COMPUTER AIDED DRUG DESIGN):

Dr. Sujeenthar (Suji) Tharmalingam taught us the subject CADD (COMPUTER AIDED DRUG DESIGN). He has a very deep understanding of the subject and efficiently serves the concepts. His practical methodology was very attractive and the technique of lecture tests in every next lecture so the theories could be easy to understand. Also students can contact him via mail for their queries, questions, doubts and other difficulties. The way he has been supportive and kind during the whole program, it made it easier for students to get through difficult things.

Dr. Christopher McTiernan took us to the practical lab of CADD. He is also a very friendly and cooperative teacher and helped us to understand practical concepts very easily. We got all the instructions by mail every day for the practical section. His knowledge for the drug molecules to play in the software was like a super techy thing and we were very much benefited by his experience in this field. We also gave a presentation of a new drug molecule synthesized by us with the idea of how it will work and have made us develop in different fields like "Confidence to speak in public", "Getting new molecule discovery", "Understanding the molecules more closely", etc.

Activities inside Campus:

On 21st July the Gala Reception was arranged in presence of Dr. Kulpdrum Passi, Dr. Ratvinder Grewal, Dr. Abdul Omri, Dr. Serge Demers, Dr. Vikas Raval, Ms. Jigna Vadalia and other Laurentian University staff.



On 10th August Dr. Subramanian gave us a tour at the Cliff Field Building which was newly constructed. We visited advanced laboratories, State of art technology used in the building.



On 15th August, All the students as well as mentors, professors and other senior students at LU celebrated the 75 years of our independence at Parker Hub in Laurentian University



On 20th August, Garba night was arranged for all the students in the presence of many Indians who were there in sudbury. Refreshments and Drinks were also arranged for everyone.



Photo of Garba Evening

Activities outside Campus:

In Sudbury: Trekking to Moonlight Beach: It was a 10 km trail going through the forest. We visited Conversation lake. It was a great experience we had on the trail.



Bell Park: This Park is located on the western shore of Ramsey Lake. There are many Water Rides where people are equipped with a life jacket and leave them on the lake and everyone can swim, ride waterslides, float on the water, and jump from the trampoline. It was a wonderful experience.



Big Nickel (Dynamic Earth Museum): Big Nickel - The Big Nickel is a nine-metre (30 ft) replica of a 1951 Canadian nickel, located at the grounds of the Dynamic Earth science museum in Greater Sudbury, Ontario, Canada, and is the world's largest depiction of a coin. There is also a museum in which different items of nickel metal is available for purchase and many items related to mining can also be purchased. In that museum also, there are so many things which give us knowledge of mining history of Sudbury.



Group visited at Big Nickel

In Toronto:

- The trip to Toronto was awesome, the trip was held on 13th August. Our trip started from the west residence in the early morning. Around 10 AM we arrived at Wonderland, the Fun we had over there was a lifelong memory.
- The wonderland has one of the world's fastest roller coaster rides named as Leviathan with the speed of 92 Miles per hour (148 kmph).
- The water show at wonderland was a whole different experience we had. Our accommodation was near to wonderland.

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- On the second day we arrived in downtown Toronto, we visited Riley's Aquarium, CN Tower, Streets of downtown, views of skyscraper buildings, Nathan Phillips Square, Center Island. We enjoyed a lot in Toronto.



In Niagara Falls:

- In the morning our trip started from the west residence, it took around 6 hours to reach Niagara Falls. The moment we stepped out of the bus the wind with the water from the fall was a heart touching feeling.
- Many activities we did over there such as Journey behind the falls, White water walk, Niagara's Fury, The power station, Ferry ride till the falls. The view of the falls was awesome in the night due to the light show and fireworks show at the falls.
- Some of us had a great experience to see the falls from up above the sky as they booked the ticket for a plane ride. We also visited the casino and Niagara Outlet. We also Celebrated our Independence at Niagara Falls.



Photos at Niagra Falls



On the last day just after our exams we had a group photo and certificate distribution for every student. It was unbelievable that this awesome trip was about to finish. It was already the last day. Many of us were crying as the friends we made over there are going to be separated. The 44 Days of time we spent over there will never be forgotten as it is saved in our memories forever.

Last but not the least, we would like to thank GTU, Laurentian University, Mentors who were there with us, and other senior students at LU for making this trip wonderful and memorable.

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