

IEP 2013 in association with Laurentian University, Canada

Program Process

Year 2013 is a second successful year where 96 students of Computer Science and Pharmacy has successfully visited and have the International experience at Canada for the duration of 6 weeks.

Program announcement for both the universities has mad live on GTU's website in the last week of January 2013.

For both the program all colleges whose students are eligible for the program have been communicated via email and phone.

LU: Passport requirement is must for the program; there were some students who need assistance for getting their passport. They have been guided by GTU offer how to get the passport done.

Simultaneously, talk carried out the counterpart and partner university official about the boarding, lodging and travelling requirements.

For summer 2013, online applications have been invited by the students. In the month of February official of LU has visited GTU. The university has arranged interactive session with Ms. Rachel, Manager Deans' office. This session clears out many queries of the IEP students who have shown interest in the program.

Like 2012 in the economic interest of GTU students LU and GTU has jointly decided to have bus journey from Toronto to Sudbury (LU Campus). Dr. K Passi has suggested further to reduce to group to two so that further savings can be done on the travel cost on the bus.

To give more information about Canada in General and for students motivation, GTU has arrange another interactive meeting with Canada's deputy high commissioner in the month of March which was very highly successful.

Series of meeting held with the IEP Canada students and parents. They have been guided for the documentation requirements and visa process.

All the 96 students' visa is applied in four different groups and they have been granted the visas.

Once visa was granted, the students have been assisted by GTU for the boarding and lodging fees to wire at LU and handing over the passport. They have been asked to create groups for housing and airline. Students have been to Canada in two large groups.

ONCE STUDENTS REACH AT LU, CANADA

“The only source of knowledge is experience.” Albert Einstein

The Program at LU was for the duration of 6 weeks which includes study of two final year subjects and cultural and visit to the places in Canada.

The program has started from 17th June 2013 with students arrived in two groups. One group of 51 students and second group of 45 students. Laurentian has arranged a bus service from Toronto Airport to the University Campus which is 350 KM from the airport.

Students have been welcomed by Dr. K Passi Coordinator and associate professor from LU for the IEP program.

Students have been given orientation about the residence staff in the West Residence about the facilities available. Both the branch Computer Science and Pharmacy classes has started on the decided dates.

On 20th July 2013, Dr. Vasu Appanna dean, Pharmacy and team of LU has organized an introductory reception for GTU students to welcome all and share their views. GTU students have addressed by Dr. Appanna and encouraged to work hard for their studies as well as get the best experience while they are in Sudbury by participating in various cultural activities organized for the students.

Dr. Sheila Cote-Meek, Vice-President Academic and Provost was also present amount the dignitaries.



*From 2nd left in
clock wise direction
Dr. Omri, Dr.
Ulibarri & Dr. Vasu
Appanna (Dean
Pharmacy)*



*Students in the
Pharmacy Class
with Dr. Omri
Pharmacology-III*



*Students in class
with Dr. Ulibarri
in pharmacy class.*

*Pharmaceutical
Chemistry -x*

ACADEMIC ACTIVITIES AT LU

Students have performed practical in Pharmaceutical Chemistry-x. Students have observed that the instruments and apparatus used are much advanced and automated rather than they use in their colleges in India. As a part of their Laboratory work and term project they were introduced to in-silico experiments which we carried out using few software such as discovery studio, accerelys draw and scifinder.

These software helped students of Pharmacy to study an existing molecule and its interactions at its active sites along with bond length and bond angles. Not only that but they could be able to modify the existing molecule and enter or substitute new groups to increase potency of the rug molecule. They worked with this software to synthesize a new drug molecule by carrying out modifications in a given molecule which as assigned us in a group of three.

This was totally new and unique experience for the Pharmacy students.

Students were given their hand notes one day before the class and they were expected to read them and come to the class. That was totally different way of learning for Indian students. Pharmacy teacher have created questions and students have to answer them and submit them. In addition, unlike India students have observed that more emphasis is given on the interaction rather than one way communication. They have also learnt that only text book reading was not sufficient. They need to go through different reference books, pharmacy journals and other data bases.



Christopher Auger lab guide at LU

Academic Activities at LU, Canada

In Computer science Classes, students have found difference way of teaching by Lu faculties Dr. Passi and Dr. Khaled Mahmud. First difference students have observed that classes start on time. (09.30 am). Students have observed that one of Dr. Khalid has a unique approach. When class starts he wrote down all the topics and then start discussing one by one from his first lecture. His teaching method was based on the subject applicability. The students are encourage to read local news papers and given practical exams of their subjects during the class. Students felt there was no spoon feeding and students were encouraged to learn and develop their critical thinking. The teachers were ready to help them but they expect students to initiate first. This experience change the way students think and solve their subjects.

Dr. Khalid has conducted two quizzes. It was MCQ time of quiz and labeling of diagram. It was time quiz and was given only 8 minters. At first, students seem to be taking things easy but they find the quizzes very challenging. Adding to that there were two different papers so adjacent students do not have same questions. In addition, Dr. Khalid was very strict on the copying and gave zero marks to the students who try to cheat in these quizzes. Students have been encouraged to re apply do their quizzes again.

The evaluation was based on assignment and report and project. Students have to go through IEE research papers and different mode of research and internet so solve and prepare their projects. They were encouraged to expand their thinking and check other resources.

Students were continuously given quiz in the middle of their classes to keep up with the study and keep their momentum. Some of the continuous evaluation exams were MCQ type. Students said they have to understand the topic first and then answer the twisted questions of the subject.

Dr. Passi has given the project to the students. The project was about preparing mobile application which will have market potential. Not only technical details need to be work on the given projects but students have been asked to describe the project from Business idea, business development, and developer's point of view in addition to the technicality of the project. Interestingly, students have to complete and find out about the business potential of that application and availability of similar application or product in the market. This approach not only help student in development and technical approach of

the application but also give them and help them develop thinking of any application commercially.

For Mobile Computing, Dr. Passi has placed a case study with theory question in final university exam. Students have to write queries which encouraged writing the program queries and what that query does when they are run in to the database. Students have found the question paper very balanced but at the same time they didn't find it easy.



*Computer Science
Class room at LU*



*Dr. Passi in the WDM
Class IEP 2013 at LU,
Canada*

Extra Activities at LU, Canada

CITY TOUR

Ms. Rachel Trudeau, Business Officer Dean's Office has organized a city tour of Sudbury for the GTU students. Students have visited Dynamic Earth, downtown, and New Sudbury Center.



*Big Nickel at Sci
North during
Sudbury tour*

The picture shown above is the big nickel is part of Sci North where research of earth science and mining is done. It is 9 Meter (30 ft) replica. It is called “The Big Nickel”. The Big Nickel is the world's largest coin and is a giant reproduction of a 1951 Canadian nickel.

Students attended the Doran Planetarium located in Fraser building of LU campus. This show is conducted by Dr. Paul-Émile Legault, explained about the Black Hole. The Doran Planetarium is the largest planetarium in northern Ontario.

Students are given lecture from Dr. Jeroge Virchezto about the History and Geography of Canada. Being world's second largest country in terms of area constituting 41% of the continent's area. Canada spans a vast, diverse territory between the North Pacific Ocean to the west and the North Atlantic Ocean to the east and the Arctic Ocean. It was nice experience for the GTU students to gain geographical knowledge about Canada, province of Ontario and Sudbury's history and culture.

LU has also arranged the trip to Niagara Falls, Toronto and Ottawa on the Canada day. Students get a chance to understand the values and culture of the Canada. They have enjoyed the day parade with the late night fireworks. It was great experience and fun during the celebration.



Students at Niagara Falls with Dr. Passi and his Family



Students preparing tent at Camp site

There were classes for three to five hours per day and students need to finish assignments. At the same time students were encouraged to participate in meeting of local Canadian people and understand the culture of Canada through this experience. University campus has swimming, gym, badminton, basketball and mountain climbing activities. All the students have encouraged using them. Few students came across Canadian locals Jean and Dave and came to know that there are activities like: Hiking, Canoeing and Camp night. Students get a chance to go to the camp with the LU authorities' permission.



Camp fire at night



Onaping falls

