KOMPUTIKA

NEWSLETTER

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Advanced training program: Summer Institute 2025, Russia!

OUTSIDE

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Summer Institute participants @ Saint Petersburg Electrotechnical University.

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Summer Institute 2025 @ Saint Petersburg Electrotechnical University, Russia.

– By Bryan Raj

An International Training Experience in Electronics and Culture

From June 23 till July 7, I had the privilege of representing our university at the prestigious Summer Institute hosted by Saint Petersburg Electrotechnical University "LETI", Russia. This international academic program brought together researchers, academics, and students from around the world to explore the cutting edge of electronics, microprocessor systems, and printed circuit board (PCB) design.

The program featured a dynamic blend of lectures, laboratory sessions, and hands-on workshops. We were guided by experienced faculty and technical experts who provided deep insights into microcontroller applications, signal processing, and circuit board prototyping. One of the key takeaways was the opportunity to develop, simulate, and assemble functional PCBs—an invaluable experience that greatly enhanced both my theoretical and practical skills.

What made this training truly unique was its diverse and international setting. The program welcomed participants from countries including South Africa, Indonesia, China, Vietnam, Armenia, Uzbekistan, Rwanda, and Bosnia, all bringing their own research backgrounds and perspectives—many from the fields of nuclear science and electronics. This global collaboration fostered a rich exchange of ideas, laying the groundwork for future academic and research partnerships.

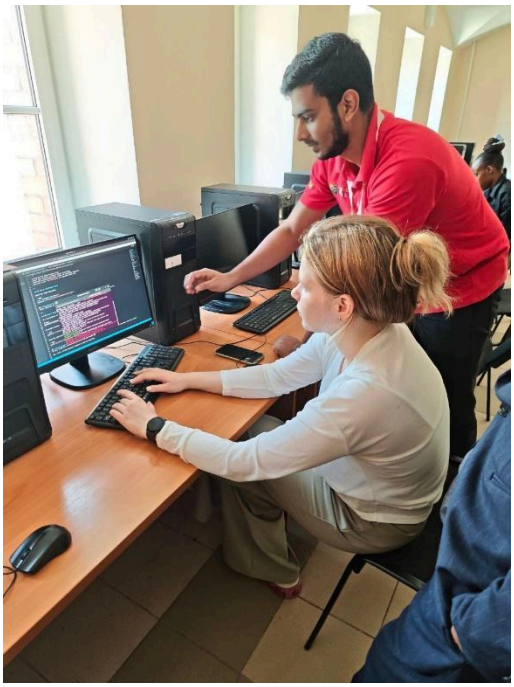
Beyond the technical learning, the Summer Institute offered a strong cultural component. We were immersed in the history and heritage of Saint Petersburg, with curated visits to some of Russia's most iconic sites. A highlight was our tour of the State Hermitage Museum, home to over three million works of art and historical artifacts, housed in the magnificent Winter Palace.

We also had the rare opportunity to visit Russia's first nuclear power plant, a fascinating experience that provided insight into the country's early advances in energy research and engineering. These excursions reinforced the interconnectedness of science, history, and culture, and added a profound layer of meaning to our academic learning.

(a)

(b)

(a) First Atomic Bomb Replica & (b) Dr. Bryan infront of State Hermitage Museum



Dr. Bryan teaching ETU LETI academic staff to solve errors in a IoT program.

The hospitality extended by our Russian hosts was exceptional. The university's staff and local coordinators ensured that every participant felt welcome and supported throughout the program. Cultural evenings, traditional Russian meals, and informal networking events provided further opportunities to connect and collaborate in a relaxed setting.

Participating in the Summer Institute was a rewarding and transformative experience. It not only deepened my technical knowledge and research capabilities but also broadened my international outlook. I return with renewed enthusiasm for my field of study and a network of peers and professionals from across the globe.

I am grateful to our university for supporting this opportunity, and I hope that more students and researchers will be encouraged to take part in such global academic initiatives in the future. Programs like these underscore the importance of international collaboration in advancing both knowledge and innovation.

For additional information you can read articles such as https://etu.ru/ru/mezhdunarodnaya-deyatelnost/novosti/nauka-i-praktika-na-ploshhadke-leti-startovali-obrazovatelnye-treki-letnej-shkoly-2025, or contact the author at bryanraj15@um.edu.my from the Department of Computer System and Technology at Universiti Malaya.