



India-Bhutan Foundation
sponsored
Student and Faculty Exchange Program
between

**Jigme Namgyel Engineering College (JNEC),
Royal University of Bhutan (RUB)**

and

**Sarvajanic College of Engineering and Technology (SCET),
Sarvajanic University (SU)**

Title of Exchange Programme: AI and Cybersecurity Capacity Building and Cross-Cultural Collaboration through Student Exchange

Phase II – 16 to 20 June 2026

Venue: Seminar Hall, Jigme Namgyel Engineering College, Bhutan.

Participants: Dr. Mayuri Mehta (Faculty)

Mangalya Desai, Rishi Ginoya, Harsh Pasiyawala, and Abhishek Boricha (Students)



ACKNOWLEDGEMENTS

We express our sincere gratitude to the India–Bhutan Foundation for supporting this Student and Faculty Exchange Program and providing an invaluable opportunity for academic enrichment, cultural exchange, and international collaboration.

We are grateful to the administration of **Jigme Namgyel Engineering College (JNEC)**, **Royal University of Bhutan**, and **Sarvajanik College of Engineering and Technology (SCET)**, **Sarvajanik University**, for facilitating this exchange initiative and encouraging meaningful interaction among students and faculty members.

We would like to express our heartfelt appreciation to **Prof. Chenga Dorji**, **Ms. Tashi Yangchen**, **Prof. Tenzin**, and entire team from JNEC for their constant guidance, warm hospitality, and meticulous planning throughout the visit. Their support played a significant role in making the exchange program both productive and memorable.

We sincerely extend our deep gratitude to **Dr. Hiren Patel, Principal, SCET** for his encouragement, guidance, and continuous support in strengthening academic collaboration and cultural ties between the two institutions.

We also acknowledge the efforts of all student volunteers, administrative staff, and participants whose dedication and enthusiasm contributed significantly to the success of this exchange program.

A special word of appreciation is extended to the student participants from SCET (**Mangalya Desai, Rishi Ginoya, Harsh Pasiyawala, and Abhishek Boricha**) for representing the institution with professionalism, enthusiasm, and active participation throughout the academic sessions, cultural interactions, institutional visits, and educational tours.

Finally, we thank all students and faculty members from both institutions who contributed to making this exchange a truly enriching experience, fostering lasting friendships, cross-cultural understanding, and meaningful academic collaboration between India and Bhutan.

OBJECTIVES OF THE STUDENT EXCHANGE PROGRAM

The prime objectives of organizing the cross-cultural student exchange program titled “*AI and Cybersecurity Capacity Building and Cross-Cultural Collaboration through Student Exchange*” were:

- To **enhance academic knowledge** through expert lectures, technical presentations, research discussions, and knowledge-sharing sessions on emerging technologies.
- To **strengthen practical understanding of modern technological applications** and innovative problem-solving approaches through interactive learning experiences.
- To **promote meaningful academic collaboration and cross-cultural exchange** between students and faculty members of SCET, India and JNEC, Bhutan.
- To provide participants with an opportunity to **experience and appreciate Bhutanese culture, heritage, traditions, and values** through educational visits and cultural interactions.
- To develop awareness of **Bhutan’s commitment to environmental conservation, sustainability, and harmonious coexistence with nature.**
- To foster **communication, teamwork, leadership, adaptability, and intercultural understanding** through collaborative academic and cultural activities.
- To **encourage experiential learning through educational visits and institutional interactions**, enabling participants to gain first-hand exposure to Bhutan’s academic environment, historical landmarks, and community life.
- To **broaden global perspectives and promote responsible citizenship** by encouraging participants to learn from diverse cultures, embrace inclusivity, and develop a deeper understanding of international cooperation and mutual respect.
- To provide exposure to **different educational systems, institutional practices, and learning environments.**
- To strengthen **long-term academic, cultural, and institutional partnerships** between SCET and JNEC while encouraging future collaborations and exchange opportunities.
- To build **lasting friendships and people-to-people connections** between the youth of India and Bhutan.

Day-wise Summary of the Student Exchange Program (16th – 20th June 2026).

Day 1: 16th June 2026

The first day of the academic program commenced with a **Meet and Greet Session**, providing an opportunity for participants from SCET, India, and the host institution to interact, establish initial connections, and gain an overview of the exchange program. The delegation was warmly welcomed by faculty members and students, creating a positive and collaborative atmosphere for the days ahead.

During the session, **Dr. Mayuri Mehta** expressed her sincere gratitude to the organizers and participants for the warm hospitality extended to the SCET delegation. She also highlighted the significance of international academic collaborations and appreciated Bhutan's rich natural beauty, environmental consciousness, and commitment to sustainable living.

This was followed by an insightful technical session conducted by **Dr. N. Ganesh** on **“Recent Generative AI Tools for Effective Research Writing.”** The session introduced participants to various AI-powered tools and techniques that can support academic writing, literature review, research documentation, and scholarly communication, while also discussing their practical applications in higher education and research. After lunch, participants attended a presentation by **Hariharan G.** on **“AI for Sustainable Development and Explainable Machine Learning.”** The session highlighted the role of Artificial Intelligence in addressing real-world challenges and emphasized the importance of transparency, interpretability, and responsible AI practices in modern technological solutions.

The day concluded with a **Campus Tour**, during which participants explored the institution's academic facilities, laboratories, research infrastructure, and learning environment. The visit provided valuable exposure to different educational practices while encouraging informal interaction, cultural exchange, and the strengthening of academic ties among participants.



Day 2: 17th June 2026

The second day of academic activities focused on emerging trends and applications of Artificial Intelligence. The day began with a session by **Dr. Mayuri Mehta, SCET** on “**Understanding Agentic AI: Fundamentals, Significance, and Applications,**” where participants learned about autonomous AI systems and their growing role in solving real-world problems. This was followed by another engaging session by **Dr. Mayuri Mehta** on “**AI-Driven Next-Generation Healthcare: Emerging Trends, Use Cases and Future Opportunities.**” The session highlighted how AI is transforming healthcare through intelligent diagnostics, patient monitoring, and predictive analytics.

After lunch, students showcased innovative AI-based projects. **Mangalya Desai (SCET)** presented “**Detecting Dyslexia from Handwriting Using a Hybrid CNN-LSTM Architecture: An IoMT-Enabled AI Screening Framework,**” while **Abhishek Boricha (SCET)** presented “**Edge AI for Healthcare: Real-Time ECG Multiclass Arrhythmia Classification Using Linear SVM on FPGA.**” Participants also attended a session on **Quantum Computing** by **M. Muralikrishna (VIT)**, which introduced the fundamentals and future potential of quantum technologies.

In the evening, the delegation visited **Choki Gyatsho Institute (CGI), Dewathang, under Samdrup Jongkhar Dzongkhag**. The visit provided an opportunity to experience Bhutan’s spiritual and cultural heritage, learn about Buddhist values and traditions, and appreciate the serene environment of the institute. The visit significantly enriched the cultural learning experience of the exchange program.



Day 3: 18th June 2026

The third day of the exchange program was dedicated to exploring the cultural and historical heritage of eastern Bhutan. Accompanied by **Ms. Tashi Yangchen**, the delegation travelled from JNEC to **Wamrong**, enjoying the scenic landscapes and natural beauty of the region along the way.

The day began with a visit to **Wamrong Gonpa**, where participants attended a tea session and gained insights into Bhutanese spiritual traditions and local customs. The delegation then proceeded to the **Tragopan Café Viewpoint**, which offered breathtaking views of the surrounding mountains and valleys, highlighting Bhutan's commitment to environmental conservation and sustainable living.

Following lunch at **Restro 56, Sherubtse**, the group visited **Tashigang Dzong**, one of the most significant historical and administrative landmarks in eastern Bhutan. Participants explored its unique architecture and learned about its cultural and historical importance. The delegation also visited the **local market in Tashigang**, where participants interacted with local vendors and experienced the vibrant atmosphere of everyday Bhutanese life.

The day concluded with a visit to **Sherubtse College**, Bhutan's first college, where participants toured the campus and interacted with students and faculty members. The visit provided valuable exposure to Bhutan's higher education system and further strengthened the academic and cultural connections among the participants.



Day 4: 19th June 2026

The fourth day of the exchange program continued with an enriching cultural and educational excursion across eastern Bhutan. The delegation departed from **Sherubtse College** in the morning and travelled to **Barshong Lhakhang**, an important Buddhist monastery known for its historical and spiritual significance. Participants explored the monastery and gained a deeper understanding of Bhutanese religious traditions and cultural heritage.

The group then proceeded to **Khaling**, where they visited the **National Handloom Development Project**. The visit provided valuable insights into Bhutan's traditional weaving industry and the efforts undertaken to preserve and promote indigenous craftsmanship. Participants observed the weaving process and learned about the cultural importance of Bhutanese textiles.

A special highlight of the visit was the opportunity to experience Bhutan's traditional attire. The participants dressed in the **Gho**, the traditional dress worn by Bhutanese men, and the **Kira**, the traditional attire worn by Bhutanese women. This unique cultural experience allowed the delegation to gain a deeper appreciation of Bhutanese customs, identity, and heritage while creating memorable moments with their Bhutanese counterparts.

Following lunch at **Wamrong Café**, the delegation explored **Wamrong Town**, interacting with local residents and experiencing the unique lifestyle and culture of the region. These interactions offered participants a deeper appreciation of Bhutanese values, community life, and hospitality.

The day concluded with the return journey to **Jigme Namgyel Engineering College (JNEC)**. The excursion served as a memorable blend of cultural learning, community interaction, and experiential education, further strengthening the bonds among participants and enriching their understanding of Bhutanese society.



Day 5: 20th June 2026

The final day of the exchange program was marked by a Valedictory Session, bringing together students, faculty members, and coordinators from both institutions to celebrate the successful completion of the program. The session provided an opportunity for participants to reflect on their experiences, learning outcomes, and memorable moments from the week-long exchange.

Faculty members, including Ms. Tashi Yangchen, appreciated the enthusiasm, discipline, and active participation demonstrated by the students throughout the program. Participants shared their experiences from the academic sessions, institutional visits, and cultural excursions, highlighting how the exchange had broadened their perspectives and strengthened their understanding of Bhutanese culture and educational practices.

Students from both institutions, including **Mangalya Desai, Rishi Ginoya, Harsh Pasiyawala**, and **Abhishek Boricha** from SCET and **Ugyen, Gayser, Sonam**, and **Tshering** from JNEC, shared their reflections on the friendships formed, knowledge gained, and memorable experiences throughout the program. They expressed their appreciation for the opportunity to engage in meaningful academic discussions and cultural interactions.

Dr. Mayuri Mehta also conveyed our heartfelt gratitude to the faculty members, coordinators, and students of JNEC for their warm hospitality and continuous support. Special appreciation was extended to the organizers for creating an enriching platform that successfully combined academic learning with cultural immersion and international collaboration.

The session concluded with the exchange of souvenirs, group photographs, and farewell messages. The valedictory ceremony marked the successful culmination of the exchange program and reaffirmed the strong academic and cultural ties between Sarvajanik College of Engineering and Technology (SCET), India, and Jigme Namgyel Engineering College (JNEC), Bhutan.



Summary of the Student Exchange Program

The **Student and Faculty Exchange Program** conducted from **16 June to 20 June 2026** under the sponsorship of the **India–Bhutan Foundation** served as a valuable platform for academic learning, cultural immersion, and international collaboration between **Sarvajanik College of Engineering and Technology (SCET), Sarvajanik University, India**, and **Jigme Namgyel Engineering College (JNEC), Royal University of Bhutan**.

Throughout the program, participants engaged in a variety of academic activities, including expert lectures, technical presentations, research discussions, and interactions on emerging technologies such as Artificial Intelligence, Generative AI, Agentic AI, Healthcare AI, and Quantum Computing. Students were also provided with opportunities to present their research work, exchange ideas, and learn from faculty members and fellow participants, thereby enhancing their technical knowledge, research exposure, and global outlook.

A major highlight of the program was the extensive exposure to **Bhutanese culture, heritage, traditions, and values**. Visits to **Choki Gyatsho Institute (CGI), Wamrong Gonpa, Tashigang Dzong, Barshong Lhakhang, Sherubtse College, the National Handloom Development Project, and local markets** enabled participants to gain a deeper understanding of Bhutan's rich cultural identity and sustainable way of life. The breathtaking natural landscapes and Bhutan's strong commitment to environmental conservation left a lasting impression on all participants.

The exchange program also provided numerous opportunities for informal interaction, cultural exchange, and friendship-building among students. Participants shared experiences, traditions, and perspectives, fostering mutual respect, intercultural understanding, and lasting connections. The warm hospitality and support extended by **Prof. Chenga Dorji, Ms. Tashi Yangchen and Prof. Tenzin**, and the students of JNEC played a significant role in making the exchange both meaningful and memorable.

Overall, the exchange program successfully achieved its objectives by combining academic excellence with cultural learning and experiential education. Under the guidance and support of **Dr. Hiren Patel** and **Dr. Mayuri Mehta** from SCET, and with the cooperation of the faculty members and students of JNEC, the program strengthened the partnership between the two institutions, promoted people-to-people connections between India and Bhutan, and left all participants with valuable knowledge, cherished memories, and lasting friendships. The academic sessions, cultural experiences, institutional visits, and meaningful interactions throughout the program contributed significantly to the personal and professional growth of all participants and laid a strong foundation for future collaborations between SCET and JNEC.