



An Undertaking of Bhaktapur Municipality

Khwopa Engineering College

Affiliated to Purbanchal University

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NEWSLETTER

Khwopa Engineering College Hosts Curriculum Development Workshop on ME Earthquake Engineering



Mr. Sunil Prajapati, Mayor of Bhaktapur Municipality; Prof. Debi Prasad Bhattarai, the Dean of the Faculty of Engineering, Purbanchal University, and other respected persons at workshop

29th Chaitra

Faculty of Engineering, Purbanchal University recently organized a curriculum development workshop focusing on ME

together esteemed guests, experts, professionals, faculty members, and alumni to discuss the vital importance of earthquake engineering education in Nepal.



Earthquake Engineering. The event, held at Khwopa Engineering College, brought

The inauguration ceremony was graced by the presence of Mr. Sunil Prajapati, Mayor of Bhaktapur Municipality, who lit the traditional Panas, symbolizing the commencement of the workshop. The chief guest in his speech emphasized a need for aligning education with productive labor, stressing the importance of motivating students to contribute to the welfare of society and the nation. He commended Purbanchal University for its foresight in offering the ME Earthquake Engineering

program since in 2005. He acknowledged the significant role played by faculties, alumni, and students in the reconstruction and rehabilitation efforts following the devastating Gorkha Earthquake of 2015.

Mayor Prajapati highlighted the collaborative efforts between Khwopa Engineering College, Khwopa College of Engineering, and Bhaktapur Municipality in restoring and reconstructing heritage structures damaged by the earthquake. He also announced the upcoming 4th International Conference on Earthquake Engineering and Post-Disaster Reconstruction Planning, scheduled for January 2026, which aims to further advance knowledge and practices in the field.

Leading the inaugural ceremony Prof. Debi Prasad Bhattarai, Dean of the Faculty of Engineering, Purbanchal University, emphasized the importance of continuous curriculum development to meet national needs and international standards. He expressed the university's commitment to introducing compulsory internships for engineering students and advocated for closer collaboration between university colleges and affiliated institutions, particularly public colleges.

Er. Hemant Goit, Deputy Dean of the Faculty of Engineering, elaborated on the objectives of the workshop, expressing gratitude to all experts involved in developing the syllabi. Prof. Dr. Bhola

Nath Sharma Ghimire, Chairman of the Subject Committee for Civil and Geomatics Engineering, praised the contributions of Bhaktapur Municipality's engineering colleges and their commitment to developing curriculum that attracts Nepali



students.

Er. Sujan Maka, Principal of Khwopa Engineering College, welcomed the distinguished guests and experts, presenting statistics on earthquake engineering students over the past two decades, highlighting the growing interest and importance of the field.

The workshop provided a platform for stakeholders to exchange ideas, collaborate on curriculum development, and reaffirm their commitment to advancing earthquake engineering education in Nepal, ensuring the country is better prepared to mitigate the impact of future seismic events.

Students Explore Vyas Municipality's Potential: Field Visit

1st Chaitra

Students from the Post Graduate Department of Urban Design and Conservation embarked on a transformative journey into Vyas Municipality, Tanahun District, from 30th Falgun 2080 to 1st Chaitra 2080. This expedition aimed to uncover the municipality's rich cultural heritage, historical significance, and developmental strides along the scenic banks of the Madi and Seti rivers.

Vyas Municipality, named in honor of Maharshi Vedvyas, offers a harmonious blend of cultural diversity and natural beauty, providing ample opportunities for the development of tourism. Strategically located approximately 150 km west of Kathmandu and 50 km east of Pokhara along the Prithvi Highway, Vyas Municipality serves as a vital hub in the Gandaki Province, fostering strong trade relations with major cities like Kathmandu, Pokhara, and Bharatpur.

Covering 248.00 square km and

divided into 14 wards, each with its unique characteristics ranging from urban to rural, the municipality boasts robust developmental infrastructure. Notable features include a road network comprising 93.37 km of black-topped, 166.60 km of gravel, and 473.33 km of other roads, enhancing connectivity and accessibility.

During the field visit, students engaged in original surveys and research to grasp urban design and conservation issues. They honed their analytical skills by analyzing quantitative and qualitative data, gaining insights into contemporary and historical urban development challenges.

Furthermore, the expedition provided a platform for students to identify field study problems, discuss methodologies, and outline survey questions. Through hands-on experience in data collection, survey work, and analysis, students gained invaluable insights into urban planning and conservation complexities.



Participation in SPACE CON 2024

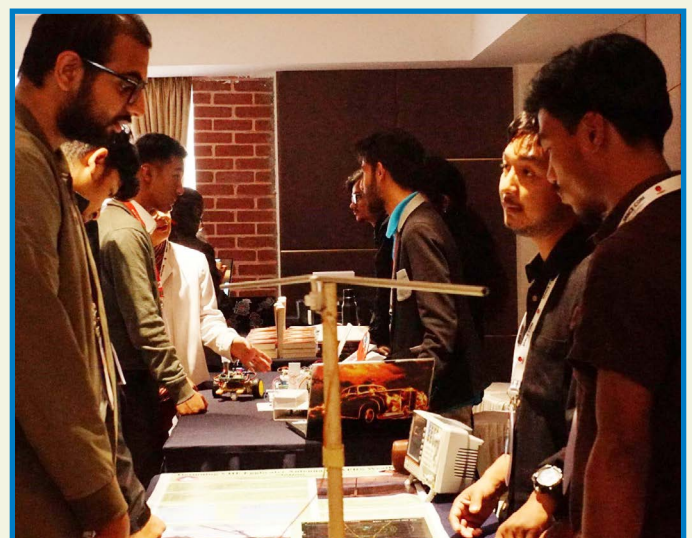
12th Chaitra

Khwopa Engineering College participated in the event SPACE CON 2024 as exhibitors and guest faculty representatives. Sunil Dangol and Susan Hyongoju from 8th Semester of Electronics and Communication Engineering presented a poster exhibited about “Designing VHF eggbeater antenna for APRS weather station”. Dr. Sarbagya Budhhacharya and Er. Yogesh Bajracharya also participated as invited guest faculties.

Space Con is Antarikchya Pratisthan Nepal’s annual flagship event which aims to bring together professionals, researchers, and students from the fields of space science, technology, and engineering to exchange knowledge, network, and showcase their research and projects. This Year, Space Con 2024 was organized on 12th April, 2024 at Square Hotel, Pulchowk. The event featured keynote speeches from

eminent personalities and presentations about MUNAL Satellite and Satellite Data Analytics Project. The event also had a MUNAL Press release which included a sub-event of awarding the Junior Team of MUNAL and Participating High Schools. Along with these, the event had also invited different institutions for poster presentations and exhibitions.

It was a wonderful opportunity to not only share about college projects but also interact and network with other fellow participants. Khwopa Engineering College and Antarikchya Pratisthan Nepal have a great relationship given the Memorandum of Understanding. Former students, Er. Sajan Duwal, Er. Prem Bahadur Rana and Er. Anjali Dhami who are currently working at Antarikchya Pratisthan Nepal as Satellite Research Fellows in the upcoming Slippers 2 Sat Project.



Exploring Collaborative Opportunities: Curtin University Meets Khwopa Engineering College

13th Chaitra

Representatives from Curtin University, Australia, engaged in a fruitful meeting with Khwopa Engineering College on the 13th of Chaitra 2080. Er. Sujan Maka, Principal, and Dr. Subeg Man Bijukchhen, Vice-Principal of Khwopa Engineering College, provided insights into the college's ongoing academic and research activities.

The college welcomed Kavitha Ganesan, Senior Manager Global Recruitment, Global Curtin, Curtin University, and Bijay Kumar Thapa, IN Country Recruitment Manager (Nepal), who shared their perspectives on potential collaboration opportunities between the two institutions.

Discussions primarily centered around streamlining avenues for

collaboration, aiming to enhance academic and research endeavors mutually beneficial for both entities.

The meeting was characterized by constructive dialogue and enthusiasm towards fostering collaborative ties. Heads of departments also contributed their viewpoints, enriching the exchange of ideas. The liaison by Mr. Ananta Poudel, an alumna of an Australian University, further underscored the deep-rooted connections between the institutions, emphasizing the potential for meaningful collaboration.

The meeting marks a significant step towards potential partnerships between Khwopa Engineering College and Curtin University, setting the stage for future collaborative ventures that promise mutual growth and advancement.



Khwopa Engineering College Students at Cognizance'24, IIT Roorkee

18th Chaitra

Subarna Paudel and Sujan Gyapak, representing the 8th semester, alongside Sushil Dhakal and Suraj Shah from the 4th semester of the Electronics and Communication Department, formed a team to partake in the thrilling Robowars event Cognizance'24, hosted by Indian Institute of Technology (IIT) Roorkee .

On the 12th of March 2024, the journey began with an 18-hour bus ride to Patna, India, followed by another 18-hour train ride to reach IIT Roorkee on the 14th of March 2024.

March 15th marked the commencement of the event, with thousands of participants assembling from different states of India. The Robowars event alone boasted more than 30 teams competing in various weight categories. Undeterred by the competition, Team Khwopa entered the fray, participating

in both the 15 kg and 30 kg categories, showcasing their prowess in robotic combat.

On the first day of battles, they dominated their opponents, triumphing in four matches for the 15 kg category and two for the 30 kg category. However, the following day brought both victory and defeat. Despite winning several matches in the 30 kg category, a setback occurred as their 15 kg robot faced a defeat due to technical issues.

March 17th provided a reprieve from the battlefield as they immersed themselves in plethora of workshops and events organized by IIT Roorkee. From Artificial Intelligence to Entrepreneurship, the offerings were as diverse as they were enriching.

On the final day, March 18th, Team Khwopa visited into the labs of the



Mechanical and Electronics departments, expanding their horizons and gaining invaluable insights. Before bidding farewell, they seized the opportunity to procure new electronics, ensuring they remain at the forefront of emerging technologies for future endeavors.

Team Khwopa returned home with cherished memories, invaluable experiences, and a renewed determination

to continue the legacy of Khwopa Robotics. Their journey to Cognizance'24 was not just about winning titles but about embracing the spirit of innovation and camaraderie that transcends borders and institutions. As they tread the path of technological excellence, their journey serves as a beacon of inspiration for aspiring engineers and innovators alike.



Khwopa Engineering College Organizes Educational Tour: A Journey of Exploration and Learning

26th Chaitra

In a bid to foster holistic learning experiences, the Department of Computer Engineering at Khwopa Engineering College recently orchestrated a six-day educational tour for fourth-year students, spanning diverse destinations across Nepal. From the 21st to the 26th of Chaitra 2080 BS, under the guidance of faculty members Dr. Phanindra Bhandari, Mr. Keshav Paudel, Ms. Sarala Shakya, and Ms. Ijana Kumpakha, 40 students embarked on a transformative journey.

This immersive expedition wasn't merely a sightseeing endeavor but a profound exploration of Nepal's cultural, technological, and economic landscapes. Students were exposed to the rustic charm of rural communication facilities across various districts of western Nepal, gaining invaluable insights into the country's technological infrastructure.

The tour unfolded as a tapestry of experiences, weaving together spiritual

encounters, cultural immersions, and thrilling adventures. From traversing the Himalayan vistas of Jomsom to indulging in the culinary delights of Thakali cuisine in Ghandruk, every moment was imbued with learning opportunities.

As the journey culminated with farewells exchanged in Pokhara, students carried back not just cherished memories but a deeper understanding of Nepal's diverse tapestry. The trip not only broadened their horizons but also fostered a profound appreciation for the interplay between technology, culture, and economy in shaping societies.



Educational Tour of Electronics and Communication Students (8th Semester): A Journey of Learning and Adventure

27th Chaitra

From 4th to 9th April students from the Electronics and Communication Engineering eighth semester completed an educational tour accompanied by two faculty members, Er. Ram Nakarmi and Er. Nitish Shakya. The tour's destinations included, Muktinath, Kusma and Pokhara, offering a diverse array of experiences.

Students immersed themselves in local culture in Kagbeni before proceeding to Muktinath, a revered religious site for both Hindus and Buddhists. After receiving blessings and refreshing themselves, the group rested at Kusma Village. Students get insight about the rural communication facilities at that site.

On April 7th they visited the Kusma Bridge, the world's second-highest bungee jumping spot. Students engaged with local communities, discussing tourism, economy, and advancements in the telecommunication sector.

Later that day, the group visited a Nepal Telecommunication Office in Pokhara, learning about GSM room, network operations, subscriber handling, and the infrastructure of communication systems. They also observed Base Transceiver Stations (BTS) and antennas used in telecommunications.

On April 8th, the students toured a Rara Noodle factory, witnessing the noodle production and distribution process, and visited Himalayan Plastic Pvt. Ltd to learn about plastic recycling.

The tour concluded on April 9th the trip not only provided valuable learning experiences but also relaxation, fostering a deeper understanding of technological, cultural and economic aspects.



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